



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Church Hill Apartments

1117 June Lane
Florence, South Carolina 29506

Report Date

June 27, 2025

Date of Revisions

November 11, 0001

Site Inspection Date

June 18, 2025

Partner Project No.

24-458664.3

Prepared for:

The Paces Foundation, Inc.
2730 Cumberland SE
Smryna, Georgia 30080



Building
Science



Environmental
Consulting



Construction &
Development



Energy &
Sustainability



June 27, 2025

Renee Sandell
The Paces Foundation, Inc.
2730 Cumberland SE
Smryna, Georgia 30080

Subject: **Phase I Environmental Site Assessment**
Church Hill Apartments
1117 June Lane
Florence, South Carolina 29506
Partner Project No. 24-458664.3

Dear Renee Sandell,

Partner Engineering and Science, Inc. (Partner) is pleased to provide this Phase I Environmental Site Assessment (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and Client Agreement.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate your trust in Partner and the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (818) 337-1203.

Sincerely,

Misty Ponce
Principal

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Practice E1527-21, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by The Paces Foundation, Inc. for the property located at 1117 June Lane in Florence, Florence County, South Carolina (the "subject property"). The Phase I Environmental Site Assessment is designed to provide The Paces Foundation, Inc. with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the northeast of the intersection of S. Church Street and June Lane and to the south of the intersection of State Road S-21-612 and June Lane within a/an residential, commercial, and industrial area of Florence County, South Carolina. Please refer to the table below for a further description of the subject property:

SUBJECT PROPERTY DATA

Address(es):	1117 June Lane, Florence, South Carolina
Additional Current Address(es):	Multiple residential addresses identified (900 through 1200 block of June Lane and 400 block of Prout Drive) No other commercial or retail addresses identified.
Historical Address(es):	None Identified
Property Use:	Multi-family residential
Land Acreage (Ac):	29.81 Ac
Number of Buildings:	45
Number of Floors:	leasing office/housing authority: one; all residential structures: two
Gross Building Area (SF):	300,000 SF
Net Rentable Area (SF):	290,000 SF
Date of Construction:	Circa 1975
Parcel Number:	00149-01-006 and 007
Type of Construction:	Brick masonry/concrete slab-on-grade
Current Tenants:	Church Hill Apartments consisting of 166 residential units and the Housing Authority of Florence for multi-family and recreation use
Site Assessment Performed By:	Amanda Hynes of Partner
Site Assessment Conducted On:	June 18, 2025
Regulatory Radius Report Date:	June 12, 2025
Lien Search Date:	N/A

Report Date:	June 27, 2025
FOIAs Date:	June 2025
Groundwater Flow Direction (Inferred):	South
Estimated Depth to Groundwater (Feet bgs):	5 to 10

The subject property is currently occupied by Church Hill Apartments consisting of 166 residential units and the Housing Authority of Florence for multi-family and recreation use. Onsite operations consist of residential and property maintenance activities. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas, associated landscaping, drainage features, playground, and perimeter fencing.

According to available historical sources, the subject property was formerly undeveloped with on rural residential structure as early as 1940; developed and developed with the current multi-family development in 1975. Tenants on the subject property have included various residential tenants since 1975-Present. The Housing Authority of Florence has operated the multi-family development and the Florence Police multi-family building 1975-Present.

The adjoining properties are tabulated below:

ADJOINING PROPERTIES

Direction	Land Use/Occupant
North:	State Road S-21-612 followed by residences and yard areas
Northeast:	State Road S-21-612 followed by residences and yard areas
East:	Wooded land and residences
Southeast:	Wooded land
South:	Wooded land
Southwest :	South Church Street followed by wooded land
West:	Vacant Industrial (1100 South Church Street); Vacant Commercial (1092 and 1094 South Church Street); Vacant Industrial (906 South Church Street); Commercial (904 South Church Street); Vacant wooded land
Northwest:	State Road S-21-612 followed by residences and yard areas

Findings and Opinions

Recognized Environmental Condition

A recognized environmental condition (REC) refers to the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- According to the regulatory database and State regulatory reports, the west adjoining properties Rental Uniform Service site at 906 South Church Street and Land-o-Sun Dairies, LLC at 1100 South Church Street entered into a Voluntary Cleanup Program (VCP) on June 30, 2016 and October 15, 2020, respectively. The status is on-going due to identified volatile organic compounds (VOCs) present above regulatory criteria. Partner reviewed a current groundwater monitoring report dated April 26, 2024 prepared by GEL Engineering, LLC. The report was issued on behalf of RUSF, LLC and included monitoring for the Rental Uniform Service site at 906 South Church Street, the Land-o-Sun Dairies site at 1100 South Church Street and Housing Authority of Florence (Church Hill Apartments) subject property Parcel A (00149-01-006). Four groundwater monitoring wells are present on the south side of the subject property identified as HA-MW-1 through HA-MW-04.

The report stated that upon Underground Injection Control (UIC) remediation activities and comprehensive groundwater analysis, Tetrachloroethene (PCE) concentrations remaining steady or slightly increased in groundwater monitoring wells HA-MW-01, 02 and 03 located on the southern subject property parcel 00149-01-006. Cis-1,2-DCE has increased in wells HA-MW-01 and 03 since the previous 2022 monitoring event. Sampling and remediation activities are on-going for the source properties. The last monitoring event for the subject property wells is dated November 2023, which identified PCE at a maximum concentration of 6,030 micrograms per liter (ug/L), which exceeds regulatory criteria for groundwater and may present a vapor intrusion condition. The documented VOC impacts found in on-site wells is considered a recognized environmental concern (REC).

Controlled Recognized Environmental Condition

A controlled recognized environmental condition (CREC) refers to a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify CRECs during the course of this assessment.

Historical Recognized Environmental Condition

A historical recognized environmental condition (HREC) refers to a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify HRECs during the course of this assessment.

Business Environmental Risk

A Business Environmental Risk (BER) is a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Partner previously prepared Operations & Maintenance (O&M) Plans for ACM and LBP dated August 15, 2024 for The Paces Foundation, Inc., for the subject property buildings. Should the suspect materials be replaced, the identified materials would need to be sampled to confirm the presence or absence of asbestos or LBP prior to renovation or demolition activities to prevent potential exposure to workers and/or building occupants. Partner has no further recommendations for ACM or LBP at this time.

Significant Data Gaps

No significant data gaps affecting the ability of the Environmental Professional to identify a REC were encountered during this assessment.

Conclusions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of 1117 June Lane in Florence, Florence County, South Carolina (the “subject property”). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of an REC in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- A limited subsurface investigation should be conducted in order to determine the presence or absence and extent of soil, soil vapor, and/or groundwater contamination due to environmental impacts identified in on-site groundwater monitoring wells originating from an upgradient source.

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- Appendix A:** Site Photographs
Appendix B: Historical/Regulatory Documentation
Appendix C: Regulatory Database Report
Appendix D: Qualifications

ACRONYM LIST

Ac	Acre
AAI	All Appropriate Inquiries
AMSD	Approximate Minimum Search Distance
AOC	Area of Concern
ACM	Asbestos Containing Material
APN	Assessor Parcel Number
AST	Aboveground Storage Tank
AUL	Activity and Use Limitation
AIRS	Aerometric Information Retrieval System
AFS	Air Facility System
ALT FUELS	Alternate Fueling Stations
ASTM	American Society for Testing and Materials
BGS	Below Ground Surface
BER	Business Environmental Risk
BRS	EPA Biennial Reporting System
COC	Chemical of Concern
CREC	Controlled Recognized Environmental Condition
CDL	Clandestine Drug Lab
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESQG	Conditionally Exempt Small Quantity Generator
CORRACTS	RCRA Corrective Action Sites
ERIS	Environmental Risk Information Services
ERNS	Emergency Response Notification System
ECHO	Enforcement and Compliance History Online
FRP	Fiberglass Reinforced Plastic
FIM	Fire Insurance Map
FOIA	Freedom of Information Action
FINDS	Facility Index Database System
FRS	Facility Registry Service
FRP	Facility Response Plan
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FUDS	Formally Used Defense Site
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	Inspection Case Listing
FUSRAP	Formerly Utilized Sites Remedial Action Program
FEMA	Federal Emergency Management Agency
HUD	U.S. Department of Housing and Urban Development
HSWA	Hazardous and Solid Waste Amendments
HVAC	Heating, Ventilation and Air Conditioning
HREC	Historical Recognized Environmental Condition
IODI	Open Dumps on Indian Lands
IHW	Industrial Hazardous Waste
IC/EC or INST/ENG	Institutional Control/Engineering Control
ICIS	Integrated Compliance Information System
LUCIS	Land Use Control Information System U.S. Department of the Navy
LQG	Large Quantity Generator
LPST	Leaking Petroleum Storage Tank
LST	Leaking Storage Tank
LUST	Leaking Underground Storage Tank

LBP	Lead-Based Paint
MSL	Mean Sea Level
MMMP	Mold, Moisture, and Mitigation Plan
MGP	Manufactured Gas Plant
MINES	Mines Master Index File
MLTS	Material Licensing Tracking System
HMIRS	Hazardous Materials Information Reporting System
MRDS	Mineral Resource Data System
NPL	National Priorities List
NCDL	National Clandestine Drug Labs
NPDES	National Pollutant Discharge Elimination System
NFRAP	No Further Remedial Action Planned
NonGen	Non Generator
NonGen/NLR	Non Generator/No Longer Regulated
ND	None Detected
NESHAP	National Emission Standards for Hazardous Air Pollutants
NWI	National Wetlands Inventory
NFA	No Further Action
N/A	Not Applicable
NOV	Notice of Violation
NTC	Notice To Comply
NRC	Nuclear Regulatory Commission
ODI	Inventory of Open Dumps
OWS	Oil-Water Separator
OSHA	Occupational Safety and Health Administration
O&M	Operations and Maintenance
PTO	Permit to Operate
Phase I ESA	Phase I Environmental Site Assessment
pCi/L	picoCuries per Liter
PHMSA	Pipeline and Hazardous Materials Safety Administration
PCB	Polychlorinated Biphenyl
PACM	Presumed Asbestos Containing Material
PFAS	Perfluoroalkyl and Polyfluoroalkyl Substances
PFOA	perfluorooctanoic acid
PFOS	Perfluorooctane sulfonic acid
REFN	Petroleum Refineries
PRP	Potentially Responsible Party
PST	Petroleum Storage Tank
ROD	Record of Decision
RGA	Recovered Government Archive
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation Recovery Information System
REC	Recognized Environmental Condition
SF	Square Foot/Feet
SSA	Superfund Alternative Agreement
SSTS	Section Seven Tracking System
SQG	Small Quantity Generator
SMCRA	Office of Surface Mining Reclamation and Enforcement
SWF/LF	Solid Waste Facility/Landfill
SWRCY	Solid Waste Recycling Facility
SCRD	State Coalition for the Remediation of Drycleaners
SHWS	State Hazardous Waste Sites

SEMS	Superfund Enterprise Management Site
TANKS	Aboveground and Unregulated Tanks
TRIS	Toxic Chemicals Release Inventory System
TSCA	Toxic Substances Control Act
TSDF	Transfer, Storage and Disposal Facility
USDOE	United States Department of Energy
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
UIC	Underground Injection Control
VEC	Vapor Encroachment Condition
VSQG	Very Small Quantity Generator
VCP	Voluntary Cleanup Program

1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527-21 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 1117 June Lane in Florence, Florence County, South Carolina (the “subject property”). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-21) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the “landowner liability protections,” or “LLPs”). ASTM Standard E1527-21 constitutes “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with and to the extent necessary to achieve the goal of the requirements set forth in the ASTM Standard E1527-21. This assessment included: 1) a property and adjoining site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments to obtain readily ascertainable information to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched readily available information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-21, AULs include both legal (that is, institutional) and physical (that is, engineering) controls that may include legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, or surface water on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater, and/or surface water on a property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the compliance and safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

The Paces Foundation, Inc. (herein referred to as Client) engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Client. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at <http://www.partneresi.com/terms-and-conditions.php>.

1.5 Limiting Conditions

The findings and conclusions contain all the limitations inherent in these methodologies that are referred to in ASTM Practice E1527-21.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources, this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of the AAI User Questionnaire from the Report User. This information was not provided at the time of the assessment. This data gap is not expected to alter the findings of this assessment.
- Partner observed approximately 10% of all interior units and all common areas. Based on the size and nature of use of the unobserved units (residential), this limited method of observation is not expected to alter the overall findings of this assessment.
- Partner submitted Freedom of Information Act (FOIA) requests to the City of Florence building department, City of Florence fire department, and South Carolina Department of Environmental Services (SCDES) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property and/or adjoining properties. As of this writing, these agencies have not responded to Partner's request. Based on information obtained from other historical resources, this limitation is not expected to alter the overall findings of this assessment. OR These records should be obtained and reviewed in order to rule out potential environmental concern to the subject property.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 1117 June Lane in Florence, South Carolina is located on the northeast of the intersection of S. Church Street and June Lane and to the south of the intersection of State Road S-21-612 and June Lane. According to the Florence County Assessor (FCA), the subject property is legally described as Off Church Street (00149-01-006) and Church Hill (00149-01-007). According to FCA, ownership is currently vested in Housing Authority of Florence since 1975.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by Church Hill Apartments consisting of 166 residential units and the Housing Authority of Florence for multi-family and recreation use . Onsite operations consist of residential and property maintenance activities. The subject property consists of 166 residential units and the Housing Authority of Florence leasing office and city of Florence recreational building. located centrally on the property. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas, associated landscaping, drainage features, playground, and perimeter fencing.

The subject property is designated NC-6.3 "neighborhood conservation" development by the City of Florence.

2.3 Current Use of Adjoining Properties

The subject property is located within a/an residential, commercial, and industrial area of Florence County, South Carolina. During the vicinity reconnaissance, Partner observed the land uses on adjoining properties as defined in ASTM Practice E1527-21 as any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them. The adjoining properties are tabulated below:

ADJOINING PROPERTIES

Direction	Land Use/Occupant
North:	State Road S-21-612 followed by residences and yard areas
Northeast:	State Road S-21-612 followed by residences and yard areas
East:	Wooded land and residences
Southeast:	Wooded land
South:	Wooded land
Southwest :	South Church Street followed by wooded land
West:	Vacant Industrial (1100 South Church Street); Vacant Commercial (1092 and 1094 South Church Street); Vacant Industrial (906 South Church Street); Commercial (904 South Church Street); Vacant wooded land
Northwest:	State Road S-21-612 followed by residences and yard areas

2.4 Physical Setting Sources

2.4.1 Topography

TOPOGRAPHIC DATA SUMMARY

Quadrangle Year:	2020
Quadrangle Name:	Florence West, South Carolina
Source:	USGS 7.5 Minute Topographic Map
Elevation (Feet):	107
Slope Direction:	South
Slope Degree:	Gentle

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

While under natural and undisturbed conditions shallow groundwater flow most frequently follows the topography of the land surface, natural or man-made features can affect flow direction, and the presumed flow may not match the actual flow directions at the subject property and vicinity.

HYDROLOGY DATA SUMMARY

Groundwater Flow Direction:	South
Groundwater Flow Source:	A previous subsurface investigation conducted on the subject property and a previous subsurface investigation conducted on a nearby property
Estimated Depth to Groundwater (Feet bgs):	5 to 10
Estimated Depth Source:	A previous subsurface investigation conducted on the subject property
Closest Body of Surface Water Name:	Jefferies Creek
Closest Body of Surface Water Distance (Miles):	10 feet
Closest Body of Surface Water Direction:	South
Water System Operator:	City of Florence
Shallow Groundwater Use:	Not used for domestic purposes
Source of Drinking Water:	Groundwater from Crouch Branch Aquifer

2.4.3 Geology/Soils

GEOLOGY AND SOIL DATA SUMMARY

Physiographic Province:	The subject property is situated within the Bear Bluff Formation. The subject property consists of fluvial sand deposits.
Geologic Unit Description:	<p>The Bear Bluff Formation underlying soils at the subject property is of the Pliocene Age and is one of the older coastal terrace sequences in the Carolinas.</p> <p>The primary rock type is composed of fluvial sand deposits with secondary rock type consisting of limestone.</p>
Geologic Data Source:	United States Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Survey
Soil Series Name:	Norfolk loamy sand, 0 to 2 percent slopes and 2 to 6 percent slopes; Osier loamy sand; Wagram sand; and Wehadkee and Johnston soils.
Soil Series Description:	<p>The Norfolk series consists of very shallow sandy clay loam fluvial deposits, well-drained and highly permeable soils that formed on marine terraces during the Pliocene age. Slopes range from 0 to 2 percent and from 2 to 4 percent. The Osier series is a poorly drained soil with negligible runoff class that formed on drainageways, flood plains and depressions within a parent material of sandy fluviomarine deposits. The Wagram series is a well-drained soil with slopes of 0 to 6 percent within a parent material of loamy marine deposits. The Wehadkee and Johnston series is a poorly drained soil with negligible runoff class that formed on floodplains within a parent material of loamy alluvium.</p>

2.4.4 Flood Zone Information

FLOOD ZONE DATA SUMMARY

Source:	Federal Emergency Management Agency
Community Panel No.	45041C0142E
FIRM Date:	December 16, 2014
Zone Designation:	Zone X (unshaded); defined as minimal risk areas outside the 1-percent and 0.2-percent-annual-chance floodplains. The wooded undeveloped southern portion of the subject property is presumed wetland

FLOOD ZONE DATA SUMMARY

and falls within Special Flood Hazard Areas and regulatory floodway.

A copy of the reviewed flood map is included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

HISTORICAL USE INFORMATION

Years	Resource	Description/Use
1940	Topographic Maps	Unimproved Land with on rural residential structure
1941 - 1970	Topographic Maps, Aerial Photographs, Interviews	Unimproved Land with on rural residential structure
1975 - Present	Topographic Maps, Aerial Photographs, City Directories, Previous Reports, Interviews, Onsite Observations	Commercial Multi-family residential development

Tenants on the subject property have included various residential tenants since 1975-Present. The Housing Authority of Florence has operated the multi-family development and the Florence Police multi-family building 1975-Present.

No potential environmental concerns were identified in association with the current or former use of the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Risk Information Services (ERIS) on June 16, 2025. The inferred uses of the subject property and adjoining properties as interpreted from the aerial photographs in Appendix B are tabulated below:

Date:	1941, 1949, 1957	Scale:	1"=500'
Subject Property:	Appears to be agricultural land with rural residential structure on the north 75% the subject property and undeveloped woodland on the south 25% of the subject property		
North:	Appears to be developed with residential structures associated with school campus		
Northeast:	Appears to be developed with residential structures associated with school campus		
East:	Appears to be agricultural land and developed with rural residential structures		
Southeast:	Appears to be undeveloped woodland		
South:	Appears to be undeveloped woodland		
Southwest:	Appears to be undeveloped woodland along with railroad tracks		
West:	Appears to be agricultural land		
Northwest:	Appears to be developed with residential structures associated with school campus		

Date:	1964	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	No significant changes visible		
Northeast:	No significant changes visible		
East:	Appears to be developed with additional residential structures		
Southeast:	No significant changes visible		
South:	No significant changes visible		
Southwest:	No significant changes visible		
West:	Appears to be a grassed field on the northern portion of the west adjoining property and developed with the initial industrial plant at 1100 Church Street on the southern portion of the west adjoining property		
Northwest:	No significant changes visible		
Date:	1969	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	No significant changes visible		
Northeast:	No significant changes visible		
East:	No significant changes visible		
Southeast:	No significant changes visible		
South:	No significant changes visible		
Southwest:	No significant changes visible		
West:	Appears to be developed with the industrial plant at 1100 Church Street and additional structures at 906 Church Street		
Northwest:	No significant changes visible		
Date:	1977, 1983	Scale:	1"=500'
Subject Property:	Appears to be developed with multi-family structures as found at the time of the site visit, expanding into the wooded area on the south boundary		
North:	No significant changes visible		
Northeast:	No significant changes visible		
East:	No significant changes visible		
Southeast:	No significant changes visible		
South:	No significant changes visible		

Southwest:	No significant changes visible		
West:	Appears to be developed with the industrial plant at 1100 Church Street and expanded structures at 906 Church Street		
Northwest:	No significant changes visible		
Date:	1989, 1994	Scale:	1”=500’
Subject Property:	No significant changes visible		
North:	No significant changes visible		
Northeast:	No significant changes visible		
East:	No significant changes visible		
Southeast:	No significant changes visible		
South:	No significant changes visible		
Southwest:	No significant changes visible		
West:	Appears to be developed with the industrial plant at 1100 Church Street with additional expansion to structures at 906 Church Street		
Northwest:	No significant changes visible		
Date:	2003, 2005, 2006, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023	Scale:	1”=500’
Subject Property:	No significant changes visible		
North:	No significant changes visible		
Northeast:	No significant changes visible		
East:	No significant changes visible		
Southeast:	No significant changes visible		
South:	No significant changes visible		
Southwest:	No significant changes visible		
West:	Appears to be developed with rearrangement of the structures at 1100 Church Street and reduction to structures at 906 Church Street		
Northwest:	No significant changes visible		

Industrial plant observed on west adjoining property at 906 S. Church Street and 1100 S. Church Street. Operations are unclear from the aerial photographs.

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of fire insurance maps (FIMs) from ERIS on June 12, 2025. The following inferred uses of the subject property and adjoining properties interpreted from the FIMs in Appendix B are tabulated below:

Date: 1912, 1918	
Subject Property:	Not identified on the Fire Insurance Maps
North:	Not identified on the Fire Insurance Maps
Northeast:	Not identified on the Fire Insurance Maps
East:	Not identified on the Fire Insurance Maps
Southeast:	Not identified on the Fire Insurance Maps
South:	Not identified on the Fire Insurance Maps
Southwest:	Developed with Atlantic Coast Line Railroad Pumping Station
West:	Not identified on the Fire Insurance Maps
Northwest:	Not identified on the Fire Insurance Maps
Date: 1924, 1947, 1952, 1961	
Subject Property:	Not identified on the Fire Insurance Maps
North:	Developed with residential dwellings and school campus
Northeast:	Developed with residential dwellings and school campus
East:	Not identified on the Fire Insurance Maps
Southeast:	Not identified on the Fire Insurance Maps
South:	Not identified on the Fire Insurance Maps
Southwest:	Developed with Atlantic Coast Line Railroad Pumping Station
West:	Not identified on the Fire Insurance Maps
Northwest:	Developed with residential dwellings and school campus

A railroad pumping station identified on Fire Insurance Maps from 1912 through 1961 located on the southwest adjoining property on the north bank of Jefferies Creek. Aerial photographs show a small structure in the 1941 and 1949 photographs, but no significant structures in the vicinity of the southwest corner of the subject property from 1957 through 2023. Based on the closure of the pumping station circa 1950, Partner does not consider this pumping station to represent a significant environmental concern to the subject property.

Copies of reviewed FIMs are included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from ERIS on June 17, 2025 for past names and businesses that were listed for the subject property and adjoining properties. The findings are tabulated below:

SUBJECT PROPERTY SUMMARY

City Directory Search for 904 June Ln (Subject Property)	
Year(s)	Occupant Listed
1993	Cannon Shaen
1994 95	Cannon Sean, Daniels Phyllis Y
2000	Sean Cannon, Everlena Wright, Phyllis Y Daniels
2003	Sean Cannon, Everlena Wright, Phyllis Y Daniels
2008	Mack Bruce, Everlena Wright
2024	Julia Murray
City Directory Search for 906 June Ln (Subject Property)	
Year(s)	Occupant Listed
1993	Gilchrist James
2008	L Leak, Yolanda Leak, April Pipkins
City Directory Search for 908 June Ln (Subject Property)	
Year(s)	Occupant Listed
2008	Melissa a Brown
City Directory Search for 910 June Ln (Subject Property)	
Year(s)	Occupant Listed
1994 95	Keith Betty, Thomas Juanita, Thomas Teresa
2000	Betty Keith
2003	Betty Keith
2008	Angela R Taylor, Sharhonda Taylor
2024	Sharhonda Taylor

City Directory Search for 912 June Ln (Subject Property)

Year(s)	Occupant Listed
2000	Beverly Wilson
2003	Beverly Wilson
2008	Tonya Burgess
2016	Anthony Hickson
2020	Anthony Hickson
2023	Anthony Hickson
2024	Narcissa Gause, Twaisha Hickson

City Directory Search for 914 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Ham Avery R
1994 95	Cooper Shekelia A
2008	Aaliyah Myers, Fannie a Scott

City Directory Search for 916 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Henry Tonya
2008	R Scott
2016	Eartha Carter, Malarie Cooper
2020	Malarie Cooper
2023	Crystal Brooks, Malarie Cooper
2024	Eartha Carter, Michelle Alston

City Directory Search for 918 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Cheryl Jackson
2023	Reshema Muldrow

City Directory Search for 920 June Ln (Subject Property)

Year(s)	Occupant Listed
1994	Davis S

95	
2008	Libby Pearce, Randolph Sanders
2016	Julia Rose, Fernando Mann, Virginia Hilton
2020	Julia Rose, Fernando Mann, Virginia Hilton
2023	Julia Rose, Fernando Mann, Virginia Hilton
2024	Virginia Hilton

City Directory Search for 922 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	James Alomie
2024	Crystal Austin, Shawanda Dixon

City Directory Search for 924 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Hines Vernie G
2008	Tamekia Williams
2020	Alvin James
2023	Alvin James
2024	Alvin James

City Directory Search for 926 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	King G A
2008	Allen Cooper, Tamara L Johnson

City Directory Search for 928 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Tyhesha M Thomas, Rezenia Mcallister
2023	Thomassenia Washington
2024	Thomas Washington

City Directory Search for 930 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Donna Burgess, Shirley Stuckey
2016	Angel Barr, Latoya Sims, Johnny Robinson
2020	Angel Barr, Latoya Sims, Johnny Robinson
2023	Angel Barr, Latoya Sims, Johnny Robinson
2024	Angel Barr, Latoya Sims

City Directory Search for 1000 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Gregg Mariet
2008	Rebecca M Jackson
2024	Shannon Wilson

City Directory Search for 1002 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Burgess Willa
2000	Willa Burgess
2003	Willa Burgess
2008	Karen Davis
2016	Leola Erwin
2020	Leola Erwin
2023	Leola Erwin

City Directory Search for 1004 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Marlene Olds, Martha Gibson
2016	Dana White
2020	Dana White
2023	Dana White
2024	Dana White, Whitney Merritts

City Directory Search for 1006 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Pack Danita
2000	Danita Pack, Tamesha Kennedy
2003	Danita Pack, Tamesha Kennedy
2008	D Peoples, Gwen Barr, Kervin James
2020	Sarah James
2023	Sarah James
2024	Sarah James

City Directory Search for 1008 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Brunson Kejo, Harrison Maxine, Carraway Samuel
2000	Theresa Sparks, Maxine Harrison, Samuel Carraway
2003	Theresa Sparks, Maxine Harrison, Samuel Carraway
2008	Leslie Cannon, Willie Parnell, Kimberly a Coward
2024	Joanne Byrd, Dawn Seabrooks

City Directory Search for 1010 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Wanda Braxton, Theresa Sparks
2016	Regina Murray
2020	Regina Murray
2023	Regina Murray

City Directory Search for 1012 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Tamela Gordon
2016	Sharon Evans, Elisha Covington
2020	Sharon Evans, Elisha Covington
2023	Sharon Evans, Elisha Covington
2024	Elisha Covington

City Directory Search for 1014 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Monroe Debbie E
2008	Homer Moore, Gloria a Mcelneen
2016	Linda Backus
2020	Jessica Backus
2023	Jessica Backus
2024	Alaise Ellis

City Directory Search for 1016 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Myers Jame, Myers Steven
1994 95	Myers Steven
2008	Cabarius James, Marlene D Robinson
2020	Kimberly Smith
2023	Kimberly Smith

City Directory Search for 1018 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Cooks Wendy, Spears Jada
2000	R Lane
2003	R Lane
2008	Larry Hawkins
2024	Sherman James

City Directory Search for 1020 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Kimberly Mack, Kathryn Nelson

City Directory Search for 1022 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Fanta N Williams
2016	Teresa Ellison
2020	Teresa Ellison
2023	Teresa Ellison
2024	Anita Taylor

City Directory Search for 1024 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Anne Peterson
2020	Alice Morant
2023	Alice Morant
2024	Alice Morant

City Directory Search for 1026 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Brayboy Shirley A
2000	Shirley a Brayboy
2003	Shirley a Brayboy
2008	Maria Graham, Shirley a Brayboy
2023	Shirley Brayboy

City Directory Search for 1028 June Ln (Subject Property)

Year(s)	Occupant Listed
2000	Barbara Williamson, Charles & Barbara Davis
2003	Barbara Williamson, Charles & Barbara Davis
2008	Lotus Watts, Barbara Davis

City Directory Search for 1030 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Kevin Wingate, Tiffany Jones, Julie a Cantey

City Directory Search for 1032 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Deborah a Cantey

City Directory Search for 1100 June Ln (Subject Property)

Year(s)	Occupant Listed
2000	Harriett James
2003	Harriett James
2008	Lakeisha Brown

City Directory Search for 1102 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Cameron Gertie(a) R
1994 95	Williams Hattie M, Campbell Gurley Lee
2016	Natasha Brown
2020	Natasha Brown
2023	Natasha Brown
2024	Natasha Brown

City Directory Search for 1104 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Shields Ovida R
1994 95	Shields Owida
2008	Angela James, Cynthia Miles

City Directory Search for 1106 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Nancy Mcleod, Teresa Burgess

City Directory Search for 1108 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Multi Tenant Residential
1994	Williamson Dan, Mccullough Eugene, Goodman Dione D

95	
2000	Dan Williamson, Eugene Mccullough
2003	Dan Williamson, Eugene Mccullough
2008	Emma Warr

City Directory Search for 1110 June Ln (Subject Property)

Year(s)	Occupant Listed
2000	Sharon Brockington
2003	Sharon Brockington
2008	Barbra Johnson, Barbara Johnson
2012	Rosetta Fortune
2016	Rebecca Bartell
2020	Keijah Bartell
2023	Keijah Bartell
2024	Keijah Bartell

City Directory Search for 1112 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Davis Tyrone R
2008	Shaimek Sauls, Minnie Mcallister

City Directory Search for 1114 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	White Hanna, White Larry
2000	Brandi Bruce
2003	Brandi Bruce
2008	Vondell Shuler

City Directory Search for 1116 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	C Johnson
2016	Patricia Campbell
2020	Patricia Campbell
2023	Patricia Campbell

2024	Patricia Campbell
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City Directory Search for 1117 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Project Office, Resident Opportunity Center, Housing Authority of Florence, Florence Police & Neighborhood
1994 95	Florence Police, Housing Authority of Florence (Project Office), Neighborhood Resource Center, Resident Opportunity Center
2000	Resident Opportunity Ctr, Florence Police Neighborhood, Housing Authority Project Ofc
2003	Resident Opportunity Ctr, Housing Authority Project Ofc
2008	Resident Opportunity Ctr, Housing Authority Project Ofc
2012	Resident Opportunity Ctr, Florence Police Neighborhood, Housing Authority Project Ofc
2016	Florence Police Neighborhood, Housing Authority of Florence
2020	Housing Authority of Florence
2023	Housing Authority of Florence
2024	Florence Police Neighborhood, Housing Authority of Florence, Housing Authority Project Ofc

City Directory Search for 1118 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Wanda Gore
2020	Denesha Perry
2023	Denesha Perry
2024	Denesha Perry

City Directory Search for 1120 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Williams Rulea, Redoen Anastatic
2000	Brenda Jackson
2003	Brenda Jackson
2008	Debra Hickson, Priscilla Ford

City Directory Search for 1122 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Gina D Graham

City Directory Search for 1124 June Ln (Subject Property)

Year(s)	Occupant Listed
2000	P Wells
2003	P Wells
2008	Bemadette S Robinson
2020	Sagrick Roberts
2023	Sagrick Roberts
2024	Whitney Mcfadden

City Directory Search for 1126 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Rhodes Veronica
2000	Ernest Abraham
2003	Ernest Abraham
2008	Corristine Brown, Geraldine Benjamin
2024	Geaneshiah Frost, Paris Singletary

City Directory Search for 1128 June Ln (Subject Property)

Year(s)	Occupant Listed
2000	Nicole Murrell, Shelby Murrell
2003	Nicole Murrell, Shelby Murrell
2008	Lynn Ross, Shushelia Davis
2016	Kenyetta Smith, Shushelia Davis
2020	Kenyetta Smith, Shushelia Davis
2023	Kenyetta Smith, Shushelia Davis

City Directory Search for 1129 June Ln (Subject Property)

Year(s)	Occupant Listed
1994	Hicks Gloria M, Cooper Christina & Teresah

95	
2000	Gloria M Hicks, Christina & Teresah Cooper
2003	Gloria M Hicks, Christina & Teresah Cooper
2008	Gloria M Hicks, Sharon D Simmons
2016	Shannon Williams
2020	Shannon Williams
2023	Shannon Williams
2024	Shannon Williams

City Directory Search for 1130 June Ln (Subject Property)

Year(s)	Occupant Listed
2000	Dionne D Goodman
2003	Dionne D Goodman
2008	K Pipkins, Tony Dickerson
2024	Andresa Vanderhall

City Directory Search for 1132 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Davis Emma, Davis Vonni, Davis Shawanda
1994	Davis Emma
95	
2000	Emma Davis
2003	Emma Davis
2008	Keith B Corbin

City Directory Search for 1133 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Samantha Y Muldrow
2023	Acacia Fulmore

City Directory Search for 1134 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Barbara Scott, Theola Williams
2023	Jhiquita Paul

City Directory Search for 1200 June Ln (Subject Property)**Year(s) Occupant Listed**

1993	Darby Laura
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2008	John W Wilder, Tori Williams
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City Directory Search for 1201 June Ln (Subject Property)**Year(s) Occupant Listed**

2008	Gloria a Britt, Rebecca G Bartell
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City Directory Search for 1202 June Ln (Subject Property)**Year(s) Occupant Listed**

1994 95	Brooks Ann
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2008	Ann Gibson
------	------------

2016	Ann Gibson, Shirley Gibson
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2020	Ann Gibson
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2023	Ann Gibson
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City Directory Search for 1203 June Ln (Subject Property)**Year(s) Occupant Listed**

1993	Johnson Claudia
------	-----------------

2020	Karen Davis
------	-------------

2023	Karen Davis
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City Directory Search for 1204 June Ln (Subject Property)**Year(s) Occupant Listed**

1993	Mitchell Patricia R, Mitchell Treniyayne R
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1994 95	Ross Eddie Lee, Mitchell Patricia
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2000	Eddie Lee Ross
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2003	Eddie Lee Ross
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2008	Willie M Wright
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City Directory Search for 1205 June Ln (Subject Property)

Year(s)	Occupant Listed
2000	Tonya Keith, Latasha Fleming
2003	Tonya Keith, Latasha Fleming
2016	Wendy Nixon
2020	Wendy Nixon
2023	Wendy Nixon
2024	Wendy Nixon

City Directory Search for 1206 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Lakesha Thomas, Walter Douglas
2016	Keith Taylor
2020	Keith Taylor
2023	Keith Taylor
2024	Keith Taylor

City Directory Search for 1207 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Mack Dequil
2000	Dequil Mack
2003	Dequil Mack
2008	Ola Gregg, Lakeisha C Blue

City Directory Search for 1208 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Law Debra A
2000	Renea Jackson
2003	Renea Jackson
2024	Shekara Broady

City Directory Search for 1220 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Erwin Leola
2000	Leola Erwin
2003	Leola Erwin
2008	Leola Erwin, Marvin Self, Tomeka Austin, Michelle Lewis
2024	Rosella Jordan

City Directory Search for 1222 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Tion King, Kelvin Greene
2016	Carthinia Pernell
2020	Carthinia Pernell
2023	Carthinia Pernell
2024	Tanya Alford, Carthina Pernell, Carthinia Pernell

City Directory Search for 1224 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Wright Ruby, Cannon Joseph
2000	Ruby Wright, Mesheco Waiters
2003	Ruby Wright, Mesheco Waiters
2024	Mary Brown

City Directory Search for 1226 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	White Brenda R
1994 95	While Brenda
2000	Brenda White
2003	Brenda White
2008	Tasha Dione, Denise Rainey, Rhonda Pickens, Derrick Jr Wright

City Directory Search for 1228 June Ln (Subject Property)

Year(s)	Occupant Listed
2008	Maxine Harrison, Jeanette Sellers
2016	Kimbery Coward
2020	Kimbery Coward, Maxine Harrison
2023	Kimbery Coward, Maxine Harrison
2024	Kimbery Coward

City Directory Search for 1230 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Abramson C, Mcwhite Lachell
2000	C Abramson, Lachell Mcwhite
2003	C Abramson, Lachell Mcwhite
2008	Denise Watson, Vangii K Williams, Caprice T Abramson
2016	Willis Mcfadden
2020	Willis Mcfadden
2023	Willis Mcfadden

City Directory Search for 1232 June Ln (Subject Property)

Year(s)	Occupant Listed
1994 95	Mack a V
2000	A v Mack
2003	A v Mack
2008	Gloria a Gibson, Lasheryl Cooper

City Directory Search for 1234 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Rainge M R
1994 95	Peoples Elaine
2000	Timothy Johnson
2003	Timothy Johnson

2008	Yolanda Moreno
2016	Tiesha Green, Bryan Maxwell, Ophadele Green
2020	Bryan Maxwell, Ophadele Green
2023	Tiesha Green, Bryan Maxwell, Ophadele Green
2024	Tiesha Green, Bryan Maxwell, Melanie Williams

City Directory Search for 1236 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Hilton John R
1994 95	Hilton John Sr, James Harriett
2000	Sarah James, John Sr Hilton
2003	Sarah James, John Sr Hilton
2008	John Sr Hilton

City Directory Search for 1238 June Ln (Subject Property)

Year(s)	Occupant Listed
2016	Angela Lowery, Cheryl Godwin, Farrell Godwin
2020	Angela Lowery
2023	Angela Lowery
2024	Angela Lowery

City Directory Search for 3608 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Davis Joyce R

City Directory Search for 9125 June Ln (Subject Property)

Year(s)	Occupant Listed
1993	Sellers Sarah R

Based on the city directory review, no environmentally sensitive listings were identified for the subject property address(es).

ADJOINING PROPERTY SUMMARY

City Directory Search for 904 S Church St (Adjoining Property)

Year(s)	Occupant Listed
1993	Meco Incorporated of Florence
1994 95	Meco Inc of Florence
2000	Meco Inc of Florence
2003	Meco Inc of Florence
2008	Meco Inc of Florence
2020	Meco Inc of Florence
2023	Meco Inc of Florence
2024	Meco Inc of Florence

City Directory Search for 906 S Church St (Adjoining Property)

Year(s)	Occupant Listed
1993	Rental Uniform Service
2000	Rental Uniform Svc
2003	Rental Uniform Svc
2008	Rental Uniform Svc

City Directory Search for 935 S Church St (Adjoining Property)

Year(s)	Occupant Listed
2003	Florence Parks Dept

City Directory Search for 1090 S Church St (Adjoining Property)

Year(s)	Occupant Listed
1993	Parts Warehouse Inc, Parts Mart Auto Parts
1994 95	Parts Warehouse Inc, Parts Mart Auto Parts

City Directory Search for 1100 S Church St (Adjoining Property)

Year(s)	Occupant Listed
1993	Flav O Rich Inc
1994	Flav O Rich Inc

2000	Flav O Rich Inc, Rollins Truck Rental Leasing
2003	Flav O Rich Inc, Rollins Truck Rental/leasing
2008	Pet Dairy, Penske Truck Leasing
2016	Dean Foods Co
2020	Dean Foods Co

According to the city directory review, the adjoining properties have been occupied by Rental Uniform Services on 906 S. Church Street (1993- 2008) and Land-o-Sun Dairies, LLC on 1100 S. Church Street including FLav-o-Rich, Inc. (1993-2003); Rollins Truck Rental Leasing (2000-2003); Pet Dairy (2008); Penske Truck Leasing (2008) and Dean Foods Co (2016-2020). Please refer to Section 4.2 for further discussion.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from ERIS on June 12, 2025. The following inferred uses of the subject property and adjoining properties interpreted from topographic maps in Appendix B and are tabulated below:

Date: 1940, 1945	
Subject Property:	Depicted as undeveloped with one small structure on the west subject property boundary
North:	Depicted as developed with small structures
Northeast:	Depicted as developed with small structures
East:	Depicted as developed with a few small structures
Southeast:	Depicted as undeveloped land associated with Jefferies Creek
South:	Depicted as undeveloped land associated with Jefferies Creek
Southwest:	Depicted as undeveloped land associated with Jefferies Creek
West:	No structural development depicted
Northwest:	Depicted as developed with small structures
Date: 1986	
Subject Property:	Depicted as developed with several structures similar to the multi-family development identified at the time of the site visit
North:	Depicted as developed with structures similar to the development identified at the time of the site visit
Northeast:	Depicted as developed with structures similar to the development identified at the time of the site visit

East:	Depicted as developed with structures similar to the residential development identified at the time of the site visit
Southeast:	No structural development depicted
South:	No structural development depicted
Southwest:	No structural development depicted
West:	Depicted as developed with structures similar to the industrial development identified at the time of the site visit
Northwest:	Depicted as developed with structures similar to the development identified at the time of the site visit

Date: **2014, 2017, 2020**

Subject Property:	No site-specific features are depicted
North:	Only roadways and/or water bodies are shown and no site-specific features are depicted
Northeast:	Only roadways and/or water bodies are shown and no site-specific features are depicted
East:	Only roadways and/or water bodies are shown and no site-specific features are depicted
Southeast:	Only roadways and/or water bodies are shown and no site-specific features are depicted
South:	Only roadways and/or water bodies are shown and no site-specific features are depicted
Southwest:	Only roadways and/or water bodies are shown and no site-specific features are depicted
West:	Only roadways and/or water bodies are shown and no site-specific features are depicted
Northwest:	Only roadways and/or water bodies are shown and no site-specific features are depicted

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

State Department

REGULATORY AGENCY DATA

Name of Agency:	South Carolina Department of Environmental Services (SCDES)
Point of Contact:	https://tinyurl.com/3md5unna
Agency Address:	2600 Bull Street, Columbia, South Carolina 29201
Agency Phone Number:	(803) 898-3432
Date of Contact:	June 13, 2025
Method of Communication:	Online Request Form

Summary of Communication:

As of the date of this report, Partner has not received a response from the SCDES FOIA requests submitted for the subject property at 1117 June Lane, the west adjoining property at 906 S. Church Street and the west adjoining property at 1100 S. Church Street for inclusion in this report.

Fire Department

REGULATORY AGENCY DATA

Name of Agency:	City of Florence Fire Department (FFD)
Point of Contact:	https://tinyurl.com/3prxusvn
Agency Address:	324 W. Evans Street, Room 301, Florence, South Carolina 29501
Agency Phone Number:	(843) 665-3231
Date of Contact:	June 17, 2025
Method of Communication:	Online Request Form

Summary of Communication:

As of the date of this report, Partner has not received a response from the FFD for inclusion in this report.

Building Department

REGULATORY AGENCY DATA

Name of Agency:	City of Florence Building Department (FBD)
Point of Contact:	https://tinyurl.com/3prxusvn
Agency Address:	324 W. Evans Street, Florence, South Carolina 29501
Agency Phone Number:	(843) 665-3151

Date of Contact:	June 17, 2025
Method of Communication:	Online Research
Summary of Communication:	
As of the date of this report, Partner has not received a response from the FBD for inclusion in this report.	

Planning Department

REGULATORY AGENCY DATA

Name of Agency:	City of Florence Planning Department (FPD)
Point of Contact:	https://www.cityofflorence.com/gis-maps
Agency Address:	324 W. Evans Street, Florence, South Carolina 29501
Agency Phone Number:	(843) 665-2047
Date of Contact:	June 17, 2025
Method of Communication:	Online Research
Summary of Communication:	
According to reviewed online documents, the subject property is zoned NC-6.3 for residential development by the City of Florence, South Carolina.	

Assessor's Office

REGULATORY AGENCY DATA

Name of Agency:	Florence County Assessor (FCA)
Point of Contact:	https://experience.arcgis.com/experience/310ee59e368946cfb111ca6ffc928dbe
Agency Address:	180 N. Irby Street, Florence, South Carolina 29501
Agency Phone Number:	(843) 665-3056
Date of Contact:	June 17, 2025
Method of Communication:	Online Research
Summary of Communication:	
According to records reviewed, the subject property is identified by Assessor Parcel Numbers (APNs) 00149-01-006 and 007 and is currently owned by Housing Authority of Florence since 1975. The current buildings were constructed in 1975 and totals on two lots totaling 29.81-acres.	

Copies of pertinent documents are included in Appendix B of this report.

4.2 Mapped Database Records Search

The regulatory database report provided by ERIS documents the listing of sites identified on federal, state, county, city, and tribal (when applicable) standard source environmental databases within the approximate minimum search distance (AMSD) specified by ASTM Practice E1527-21. The data from

these sources are updated as these data are released and integrated into one database. The information contained in this report was compiled from publicly available sources.

The environmental database information is used to identify environmental concerns in connection with the subject property. The listings also serve to identify the known indications of the storage, use, generation, disposal, or release of hazardous substance at the subject property and the potential for contaminants to migrate onto the subject property from off-site sources in groundwater or soil in the form of liquids or vapor.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

The following table lists the sites as categorized by the regulatory database within the prescribed AMSD. The locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

DATABASE REPORT DATA				
Database	AMSD Radius (mile)	Listings Identified		
		Subject Property	Adjoining Properties	Surrounding Area Sites of Concern
Federal NPL	1.00	N	N	N
Delisted NPL Site	0.50	N	N	N
Federal SEMS Site	0.50	N	N	N
Federal SEMS-ARCHIVE	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, VSQG, CESQG)	Subject and Adjoining	N	Y	N
Federal IC/EC Registries	Subject Property	N	N	N
Federal ERNS Site	Subject Property	N	N	N
Federal PFAS Facility	0.50	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N

State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site (LUST/LPST)	0.50	N	Y	N
State/Tribal Registered Storage Tank Sites (UST/AST)	Subject and Adjoining	N	Y	N
State/Tribal IC/EC Registries	Subject and Adjoining	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	Y	Y
State/Tribal Spills	0.25	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	Y	Y
State PFAS Facility	0.50	N	N	N

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjoining Property Listings

One or more adjoining properties were identified in the regulatory database as discussed below:

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Flavorich, Inc. Garage and Pensky Truck Leasing
Address:	1100 South Church Street
Direction:	West
Hydrological Gradient:	Up-Gradient
Database Listing:	RCRA NonGen, RCRA VSQG, FINDS/FRS
Substance Involved:	Lead, Tetrachloroethylene
Years of Operation:	Unknown
Status:	Facility is closed
Discussion :	The west adjoining property at 1100 S. Church Street was listed as a RCRA NonGen, RCRA VSQG and FINDS/FRS site operating under EPA ID numbers SCR000002808 and SCD982107799 according to the ERIS environmental database report. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined

by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Non-Generators do not presently generate hazardous waste. No violations have been reported. Based on the low reportable quantities and the lack of violations, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment. However, this site was registered with the SCDES Voluntary Cleanup Program in 2020 and is discussed below.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Pet Dairy
Address:	11 S. Church Street
Direction:	West
Hydrological Gradient:	Up-Gradient
Database Listing:	AFS, TRIS, FINDS/FRS
Substance Involved:	Sulfur dioxide, Particulate Matter
Years of Operation:	1987 - 2010
Status:	Facility is closed

Discussion :

The west adjoining property at 1100 S. Church Street was listed as a AFS, TRIS and FINDS/FRS site operating under TRI FD #29504FLVRC1100S and plant ID #1000582 according to the ERIS environmental database report. The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. The EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. According to the ERIS environmental database, chemicals used on the site included phosphoric acid, sodium hydroxide and nitric acid. The listing under AFS for potential uncontrolled air emissions <100 tons per year included sulfur dioxide and particulate matter. No continuing potential for release of these chemicals appear to be apparent since the facility has been shut down since 2010. Based on the low reportable quantities and the lack of violations, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment. However, this site was registered with the SCDES Voluntary Cleanup Program in 2020 and is discussed below.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Pet Dairy
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Address:	1100 S. Church Street
Direction:	West
Hydrological Gradient:	Up-Gradient
Database Listing:	UST, LUST, Delisted LST
Date of Release:	April 9,1993
Substance Released:	diesel fuel, gasoline, waste oil
Media Impacted:	unknown
Date of Closure:	November 18, 1993
Responsible Party:	Midamerica Dairymen, Inc.
Substance Involved:	diesel fuel, gasoline, waste oil
Years of Operation:	1987-2010
Status:	Closed

Discussion

:

The west adjoining property at 1100 S. Church Street was listed as an UST, LUST and Delisted LST site operating under SCDES UST #03371 according to the SCDES database and ERIS environmental database report. The Delisted LST database is a list of sites that once appeared on – and have since been removed from – the list of Leaking Aboveground Storage Tanks and/or the list of Leaking Underground Storage Tanks made available by the South Carolina Department of Environmental Services (SCDES) previously known as the South Carolina Department of Health and Environmental Control (DHEC). During tank excavation activities on April 8, 1993, a release was observed and reported on April 9, 1993. Five steel tanks were removed from the ground including three 10,000-gallon diesel fuel tanks, one 8,000-gallon gasoline tank and one 500-gallon waste oil tank. The responsible party was identified as Midamerica Dairymen, Inc. and a No Further Action (NFA) letter was issued on November 18, 1993. The Delisted LST site was registered under #18238 and was presumably an aboveground tank. One petroleum release was reported on February 21, 2012 and issued an NFA on January 7, 2015. Based on the NFA and agency oversight, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment. However, this site was registered with the SCDES Voluntary Cleanup Program in 2020 and is discussed below.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Land-O-Sun Dairies, LLC
Address:	1100 S. Church Street
Direction:	West
Hydrological Gradient:	Up-Gradient

Database Listing:	SASPL, Brownfields and VCP
Substance Involved:	Volatile Organic Compounds (VOCs)
Years of Operation:	Unknown
Status:	Active

Discussion : The west adjoining property at 1100 S. Church Street was listed as an SASPL, Brownfields and VCP site according to the ERIS environmental database report. The Site Assessment Section Project List (SASPL) is maintained by the SCDES and includes sites that have had or have ongoing assessment and/or remediation. The Brownfields component of the Voluntary Cleanup Program (VCP) allows a non-responsible party to acquire a contaminated property with State Superfund liability protection for existing contamination by agreeing to perform an environmental assessment and/or remediation.

According to the ERIS environmental database, the west adjoining property entered into the VCP contract on October 15, 2020. The project has not yet been completed and land restrictions have not been recorded. Partner obtained the most recent groundwater monitoring report for the VCP site dated April 26, 2025 and conducted by GEL Engineering, LLC. The report was issued on behalf of RUSF, LLC and encompassed the Rental Uniform Service site at 906 S. Church Street, the Land-o-Sun Dairies site at 1100 S. Church Street and Housing Authority of Florence (Church Hill Apartments) subject property Parcel A (00149-01-006).

The report stated that "Interim Action" was conducted in September 2020 in accordance with the Underground Injection Control Permit #SCHE03020585 issued on March 31, 2020. The Interim Action included a combination of in-situ chemical reduction (ISCR) and enhanced biodegradation to reduce CVOC mass within the highest soil and groundwater concentrations under the southern portion of the Rental Uniform Services site. Injections of emulsified colloidal zero valent iron (EZVI) at three temporary injection locations introduced soluble biodegradation amendment materials along with colloidal zero valent iron (ZVI) to treat dissolved-phase CVOCs. The current groundwater report detailed the comprehensive groundwater monitoring event conducted on November 6 - 9, 2023. A total of 57 monitoring wells on-site and off-site were evaluated.

Four groundwater monitoring wells are currently operational on the Church Hill Apartments subject property (HA-MW-01, HA-MW-02, HA-MW-03, and HA-MW-04 (in wooded area). The 2024 groundwater monitoring report compared the analytical results to the previous comprehensive monitoring event conducted in July 2022. PCE concentrations have remained steady or slightly increased in HA-MW-01, 02 and 03. Cis-1,2-DCE has increased in wells HA-MW-01 and 03 since the 2022 monitoring event. Sampling and remediation

activities on these three properties are ongoing. Based on the documented chemicals of concentration found in wells located on the subject property, this VCP site including documented contamination from the up-gradient west adjoining property is considered a recognized environmental concern (REC).

ADJOINING PROPERTY DATABASE LISTING

Property Name:	RUSF, LLC
Address:	906 S. Church Street
Direction:	West
Hydrological Gradient:	Up-Gradient
Database Listing:	RCRA SQG, FINDS/FRS
Substance Involved:	Tetrachloroethylene
Years of Operation:	Unknown
Status:	Facility is closed
Discussion :	The west adjoining property at 906 S. Church Street was listed as a FINDS/FRS and RCRA SQG site operating under EPA ID numbers SCR000781724 according to the ERIS environmental database report. No violations have been reported at this address. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. The facility notified that the generated hazardous waste includes tetrachloroethylene. Based on the low reportable quantities and the lack of violations, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment. However, this site was registered with the SCDES Voluntary Cleanup Program in 2016 and is discussed below.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Rental Uniform Service
Address:	906 S. Church Street
Direction:	West
Hydrological Gradient:	Up-Gradient
Database Listing:	UST, LUST, Delisted LST
Date of Release:	December 31, 1991
Substance Released:	diesel fuel, gasoline, waste oil
Media Impacted:	unknown

Date of Closure:	October 25, 1993
Responsible Party:	Rental Uniform Service
Substance Involved:	diesel fuel, gasoline, waste oil
Years of Operation:	Unknown
Status:	Closed
Discussion :	<p>The west adjoining property at 906 S. Church Street was listed as an UST, LUST and Delisted LST site operating under SCDES UST #1412 according to the SCDES database and ERIS environmental database report. The Delisted LST database is a list of sites that once appeared on – and have since been removed from – the list of Leaking Aboveground Storage Tanks and/or the list of Leaking Underground Storage Tanks made available by the South Carolina Department of Environmental Services (SCDES) previously known as the South Carolina Department of Health and Environmental Control (DHEC). During tank excavation activities on December 13, 1991, a release was observed and reported on December 31, 1991. Four steel tanks were removed from the ground including one 12,000-gallon diesel fuel tank, one 20,000-gallon diesel fuel tank, one 20,000-gallon gasoline tank and one 500-gallon waste oil tank. The responsible party was identified as Rental Uniform Service and a No Further Action (NFA) letter was issued on October 25, 1993. The Delisted LST site was registered under site id #631 and was presumably an aboveground tank. One petroleum release was reported on March 30, 1995 and issued an NFA on April 7, 1995. Based on the NFA and agency oversight, this listing is not expected to represent a significant environmental concern, and it is unlikely that a regulatory file review for this site would alter the findings of this assessment. However, this site was registered with the SCDES Voluntary Cleanup Program in 2016 and is discussed below.</p>

ADJOINING PROPERTY DATABASE LISTING

Property Name:	RUSF, LLC
Address:	906 S. Church Street
Direction:	West
Hydrological Gradient:	Up-Gradient
Database Listing:	ICIS and AFS
Substance Involved:	Unknown
Years of Operation:	Unknown
Status:	Closed
Discussion :	<p>The west adjoining property at 906 S. Church Street was listed as a AFS and ICIS site operating under plant ID #1006070 according to the ERIS environmental database report. The EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary</p>

sources of air pollution. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air. Based on the low reportable quantities and the lack of violations, this listing is not expected to represent a significant environmental concern and it is unlikely that a regulatory file review for this site would alter the findings of this assessment. However, this site was registered with the SCDES Voluntary Cleanup Program in 2016 and is discussed below.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Rental Uniform Service
Address:	906 S. Church Street
Direction:	West
Hydrological Gradient:	Up-Gradient
Database Listing:	SASPL, Remediation, UIC and VCP
Substance Involved:	Volatile Organic Compounds (VOCs)
Years of Operation:	Unknown
Status:	Active

Discussion : The west adjoining property at 906 S. Church Street was listed as an SASPL, Remediation, UIC and VCP site according to the ERIS environmental database report. The Site Assessment Section Project List (SASPL) is maintained by the SCDES and includes sites that have had or have ongoing assessment and/or remediation. The Voluntary Cleanup Program (VCP) allows a non-responsible party to acquire a contaminated property with State Superfund liability protection for existing contamination by agreeing to perform an environmental assessment and/or remediation. The list of Underground Injection Control (UIC) Class V Wells is provided by the SCDES. The majority of Class V Wells are aquifer remediation injection wells, and the remaining are Aquifer Storage and Recovery Wells (storage of potable water in the subsurface).

According to the ERIS environmental database, the west adjoining property entered into the VCP contract on June 30, 2016. The project has not yet been completed and land restrictions have not been recorded. Partner obtained the most recent groundwater monitoring report for the VCP site dated April 26, 2025 and conducted by GEL Engineering, LLC. The report was issued on behalf of RUSF, LLC and encompassed the Rental Uniform Service site at 906 S. Church Street, the Land-o-Sun Dairies site at 1100 S. Church Street and Housing Authority of Florence (Church Hill Apartments) subject property Parcel A (00149-01-006).

The report stated that "Interim Action" was conducted in September 2020 in

accordance with the Underground Injection Control Permit #SCHE03020585 issued on March 31, 2020. The Interim Action included a combination of in-situ chemical reduction (ISCR) and enhanced biodegradation to reduce CVOC mass within the highest soil and groundwater concentrations under the southern portion of the Rental Uniform Services site. Injections of emulsified colloidal zero valent iron (EZVI) at three temporary injection locations introduced soluble biodegradation amendment materials along with colloidal zero valent iron (ZVI) to treat dissolved-phase CVOCs. The current groundwater report detailed the comprehensive groundwater monitoring event conducted on November 6 - 9, 2023. A total of 57 monitoring wells on-site and off-site were evaluated.

Four groundwater monitoring wells are currently operational on the Church Hill Apartments subject property (HA-MW-01, HA-MW-02, HA-MW-03, and HA-MW-04 (in wooded area)). The 2024 groundwater monitoring report compared the analytical results to the previous comprehensive monitoring event conducted in July 2022. PCE concentrations have remained steady or slightly increased in HA-MW-01, 02 and 03. Cis-1,2-DCE has increased in wells HA-MW-01 and 03 since the 2022 monitoring event. Sampling and remediation activities on these three properties are ongoing. Based on the documented chemicals of concentration found in wells located on the subject property, this VCP site including documented contamination from the up-gradient west adjoining property is considered a recognized environmental concern (REC).

Based on the findings, vapor migration is considered an environmental concern at this time.

4.2.4 Surrounding Area Listings of Sites of Concern

No sites of concern are identified in the regulatory database report.

Based on the findings, vapor migration is not considered an environmental concern at this time.

4.2.5 Unplottable Listings

No unplottable listings are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM Practice E1527-21, Partner requested the following site information from the User of this report.

USER RESPONSIBILITIES

Item	Provided By User
AAI User Questionnaire	No
Title Records, Environmental Liens, and AULs	No
Specialized Knowledge	No
Actual Knowledge	No
Valuation Reduction for Environmental Issues	No
Identification of Key Site Manager	Yes
Reason for Performing Phase I ESA	Yes
Prior Environmental Reports	Yes

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property, identified as Housing Authority of Florence, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

The Paces Foundation, Inc., report user, did not provide information pertaining to any known pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous

substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

5.1.3 Interview with Key Site Manager

Ms. Angela Smith and Jennifer Manning, key site manager, indicated that they had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The key site manager further stated that there are no USTs, ASTs, clarifiers, oil/water separators, groundwater monitoring wells, or hazardous substance use/storage/generation on the subject property to the best of their knowledge.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators, and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or reasonably ascertainable within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Site Assessment, Church Hill Apartments, 1117 June Lane, Florence, South Carolina 29506, prepared by Partner Engineering and Science, Inc., dated August 19, 2024

Partner prepared this report on behalf of The Paces Foundation, Inc. The assessment was reportedly performed in accordance with ASTM Standard E1527-21. The assessment consisted of a site reconnaissance, interviews with knowledgeable personnel, review of historical information, a review of federal, state, and local regulatory databases, limited asbestos survey, and limited lead paint survey. Pertinent information contained in this report is summarized below:

- At the time of the 2024 assessment, the subject property was occupied by a multi-family development
- According to the Partner report, the subject property was formerly occupied by undeveloped land.
- No current or former ASTs or USTs were identified on the subject property.
- As part of the 2024 assessment, Partner conducted a limited survey for the presence of asbestos-containing material (ACM) and Lead-Based Paint (LBP) at the subject property. As a result of this limited survey and the year of construction (1975), Partner identified suspect ACMs and LBP on the subject property. Partner prepared O&M Plans for the subject property for both ACM and LBP.
- According to the regulatory database, two up-gradient to cross-gradient sites were identified as registered with the Voluntary Cleanup Program with no confirmation of the media impacted, remediation activities conducted or agency closure. West adjoining properties on 906 S. Church Street and 1100 S. Church Street were entered into the VCP on June 30, 2016 (Rental Uniform Service) and October 15, 2020 (Land-o-Sun Dairies, LLC) respectively. No responses to FOIA inquiries requesting additional information were received at the time of the report. Based on the documented release, these sites were considered to be a recognized environmental condition (REC) to the subject property. Partner recommended that a limited subsurface investigation be conducted in order to determine the presence or absence of soil, soil vapor and/or groundwater contamination on the subject property.
- Partner also recommended O&M Programs be implemented for suspect ACMs and LBP, which were subsequently issued. An O&M Program was also recommended to safely manage areas of active and inactive moisture damage and suspect organic microbial growth identified at the property at that time.

Copies of pertinent pages reviewed are included in Appendix B of this report.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

SITE ASSESSMENT DATA

Site Assessment Performed By:	Amanda Hynes
Site Assessment Conducted On:	June 18, 2025

The table below provides the subject property personnel interviewed during the field reconnaissance:

SITE VISIT PERSONNEL FOR 1117 JUNE LANE (SUBJECT PROPERTY)

Name	Title/Role	Contact Number	Site Walk*
Bernard McCall	Maintenance Supervisor	n/a	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

Environmental concerns were identified during the onsite reconnaissance related to the presence of four groundwater monitoring wells associated with on-going environmental assessment associated with an adjoining property, as further discussed in Sections 6.1 and 6.2.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located throughout the subject property. An independent solid waste disposal contractor, City of Florence, removes solid waste from the subject property. Solid waste generated at the subject property includes household-type waste. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of Florence services the subject property vicinity. No wastewater treatment facilities were observed or reported on the subject property. No septic systems were observed or reported on the subject property.

6.1.3 Stormwater and Surface Water Drainage

Stormwater is removed from the subject property primarily by sheet flow action across the paved surfaces towards stormwater drains located in the public right of way or through ground infiltration. On-site stormwater drains discharge to municipal owned and maintained storm sewer system. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating and cooling systems as well as domestic hot water equipment are fueled by electricity and natural gas provided by Duke Energy and Dominion Energy. The mechanical system is comprised of split system with a central unit and interior air handlers and exterior condensers. Hot water is provided by individual electric water heaters.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial processes are currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

Groundwater monitoring wells associated with remediation activities on the west adjoining property were observed on the subject property.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No evidence of the use of reportable quantities of hazardous substances was observed on the subject property.

Small quantities of general maintenance supplies were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. The storage and use of maintenance supplies does not appear to pose a significant threat to the environmental integrity of the subject property at this time.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains, or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the US EPA. PCBs in electrical equipment are controlled by US EPA regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – “Non-PCB;” 2) 50 ppm-500 ppm – “PCB-Contaminated;” and, 3) Greater than 500 ppm – “PCB-Containing.” The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after July 2, 1979.

TRANSFORMERS AND HYDRAULIC EQUIPMENT

Type of Equipment	Location	Number	PCB Containing	Concern
Pole-Mounted Transformers	throughout the property	multiple	not likely	No

The on-site reconnaissance addressed indoor and outdoor transformers that may contain PCBs. multiple pole-mounted transformers were observed on the subject property. The transformers are not labeled indicating PCB content. No staining or leakage was observed in the vicinity of the transformers. Partner contacted a customer service representative of Duke Energy (INCLUDE Name and Phone Number), who confirmed that they maintain ownership and operational responsibility for the transformers and that the units do not contain PCBs. Based on the good condition of the equipment, the transformers are not considered an environmental concern.

No other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 *Strong, Pungent or Noxious Odors*

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 *Pools of Liquid*

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 *Drains, Sumps and Clarifiers*

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 *Pits, Ponds and Lagoons*

No pits, ponds, or lagoons were observed on the subject property.

6.2.9 *Stressed Vegetation*

No stressed vegetation was observed on the subject property.

6.2.10 *Additional Potential Environmental Hazards and Emerging Contaminants*

Partner evaluated the current subject property use during the site reconnaissance for potential environmental hazards, including Per- and Polyfluoroalkyl Substances (PFAS) impacts to the subject property. Based on the site observations, likely PFAS impacts to the subject property based on current use were not identified. Based on this information, PFAS are not considered an environmental concern at this time.

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 *Non-ASTM Services*

6.3.1 *Asbestos-Containing Materials (ACMs)*

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building that have not been appropriately tested are "presumed asbestos-containing material" (PACM).

A limited, visual survey of areas accessible from ground level for the presence of suspect ACM at the subject property was conducted. The objective of this visual survey was to note the presence and condition of suspect ACM listed by EPA, OSHA, and other regulatory and recognized sources as suspect ACM and/or considered friable or non-friable.

Prior to disturbance, Partner recommends a comprehensive asbestos survey of the property be completed to determine the presence, condition, friability and likely future condition of suspect or confirmed ACM. All suspect materials must be handled as ACM according to local, state and federal regulations until the results of sampling and analysis indicate the material is a non-ACM. According to the US EPA, ACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition.

Partner previously prepared an Asbestos O&M Plan for the subject property dated August 15, 2024, issued under separate cover. A copy of the Asbestos O&M Plan is included in the Appendix.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm² (or 5,000 µg/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X," to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Based on the age of the subject property buildings (pre-1978), there is a potential that LBP is present. Interior and exterior painted surfaces were observed in good condition and therefore not expected to represent a "hazard," although the condition of the paint should be monitored and maintained to ensure it does not become deteriorated.

Actual material samples would need to be collected in order to determine if LBP is present. Partner previously prepared a Lead-Based Paint O&M Plan dated August 15, 2024 for the subject property, that was issued under separate cover. A copy of the LBP O&M Plan is included in the Appendix.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA RADON ZONES

EPA Zones	Average Predicted Radon Levels	Potential
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered an environmental concern.

6.3.4 Lead in Drinking Water

LEAD IN DRINKING WATER SUMMARY

Water System Operator:	City of Florence
Source of Drinking Water:	Groundwater from Crouch Branch Aquifer
Year of Annual Water Quality Report:	2024
Compliance Status:	Water supplied is in compliance with all State and Federal regulations pertaining to drinking water standards for lead.

Water sampling was not conducted to verify water quality.

6.3.5 Microbial Growth

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas of the subject property buildings for significant evidence of microbial growth with the exceptions detailed in Section 1.5 of this report; however, this assessment should not be used as a microbial survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential microbial growth that may be affected by microbial growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) microbial growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

No obvious indications of water damage or microbial growth were observed during Partner's visual assessment. *Note:* Partner previously noted several areas of the subject property with either mildew, water staining, moisture damage, or evidence of mold. Property management is aware of the moisture problems, and it is expected that steps are being taken to control the moisture impacts.

6.3.6 Wetlands

A portion of the subject property appears to be a designated wetland area based on information obtained from the United States Fish and Wildlife Service's Online Wetlands Mapper; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property.

Based on a review of the United States Fish and Wildlife (USFW), National Wetland Inventory (NWI) online wetland map, the southern undeveloped portion of the subject property consists of a portion of a 236.70-acre Freshwater Forested/Shrub Wetland and is classified as PFO1/2F. This classification code means that the land is a Palustrine System (P), which includes all nontidal wetlands dominated by trees, shrubs, persistent emergent, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. The land is forested (FO), meaning it is characterized by woody vegetation that is six meters or taller. The wetland is Broad-Leaved Deciduous wetland (1), which contains woody angiosperms (trees or shrubs) with relatively wide, flat leaves that are shed during the cold or dry season, and Needle-Leaved Deciduous (2) wetland, which consists of wetlands where trees or shrubs are predominately deciduous and needle-leaved and is represented by young or stunted trees. The water regime for this wetland is Semi permanently Flooded (F), meaning that

surface water is persistent throughout the growing season in most years. When surface water is absent, the water table is usually at or very near the land surface.

Should this area of the property be developed in the future, additional assessment may be required at that time. Additional investigation is not recommended at this time. *Note:* Partner prepared a Desktop Wetland Assessment report for the subject property dated August 21, 2024, which was issued under separate cover. A copy of the report is included in the Appendix.

6.4 Adjoining Property Reconnaissance

The adjoining property reconnaissance consisted of observing the adjoining properties from the subject property premises.

6.4.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.2 ASTs/USTs for Hazardous Substances or Petroleum Products

No ASTs or USTs for hazardous substances/petroleum products were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.3 Evidence of Releases

No evidence of a release was observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.4 PCBs

No PCB containing materials were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.5 Strong, Pungent, or Noxious Odors

No strong, pungent, or noxious odors were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.6 Pools of Liquid

No pools of liquid were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.7 Drains, Sumps, and Clarifiers

No drains, sumps, or clarifiers were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.8 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.9 Stressed Vegetation

No stressed vegetation was observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.10 Additional Potential Environmental Hazards and Emerging Contaminants

Partner evaluated the current adjoining property uses during the site reconnaissance for potential environmental hazards, including PFAS impacts to the subject property. Based on observations made from the subject property borders, likely emerging contaminants including PFAS impacts to the subject property from current adjoining property uses were not identified. Based on this information, PFAS are not considered an environmental concern.

No additional environmental hazards were observed on adjoining properties during the limited adjoining property reconnaissance.

7.0 VAPOR ENCROACHMENT CONDITIONS

Partner conducted a limited non-intrusive vapor screening on the subject property to identify, to the extent feasible, the potential for vapor encroachment conditions (VECs) in connection with the subject property. This included consideration of chemicals of concern (COC) that may migrate as vapors into the subsurface of the subject property as a result of contaminated soil and groundwater on or near the property.

This screening utilized readily available data sources previously discussed in this Phase I ESA that includes:

- the physical setting of the subject property (Section 2.4),
- standard historical sources for the subject property, adjoining, and surrounding area (Section 3.0),
- known or potentially contaminated sites as identified from information from regulatory agencies and sites on Federal, State, tribal and local databases (Section 4.0), and
- information from the site reconnaissance (Section 6.0) of the subject property and observations of the surrounding properties.

The results of our data collection, reconnaissance, and analysis are tabulated below:

POTENTIAL FOR VAPOR ENCROACHMENT TO IMPACT THE SUBJECT PROPERTY

Area of Concern	Likely or Known VEC to Subject Property
Subject Property Existing Operations or Conditions (Sections 2.0 and 6.0)	None identified that impact the subject property.
Historical Uses of the Subject Property (Section 3.0)	None identified that impact the subject property.
Adjoining Property Operations or Existing Conditions (Sections 2.3 and 6.4)	The existing contamination and ongoing remediation activities on the west adjoining properties represent a potential or known VEC.
Historical Uses of Adjoining Properties or Nearby Properties (Section 3.0)	None identified that impact the subject property.
Regulatory Review of sites identified on Federal, State, tribal and Local Environmental Databases which were located in the AMSD (Section 4.0)	None identified that impact the subject property.

Based on the findings of the limited non-intrusive vapor screening, a vapor intrusion condition cannot be ruled out at this time. As such, additional assessment is warranted.

8.0 FINDINGS AND CONCLUSIONS

Findings and Opinions

Recognized Environmental Condition

A recognized environmental condition (REC) refers to the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- According to the regulatory database and State regulatory reports, the west adjoining properties Rental Uniform Service site at 906 South Church Street and Land-o-Sun Dairies, LLC at 1100 South Church Street entered into a Voluntary Cleanup Program (VCP) on June 30, 2016 and October 15, 2020, respectively. The status is on-going due to identified volatile organic compounds (VOCs) present above regulatory criteria. Partner reviewed a current groundwater monitoring report dated April 26, 2024 prepared by GEL Engineering, LLC. The report was issued on behalf of RUSF, LLC and included monitoring for the Rental Uniform Service site at 906 South Church Street, the Land-o-Sun Dairies site at 1100 South Church Street and Housing Authority of Florence (Church Hill Apartments) subject property Parcel A (00149-01-006). Four groundwater monitoring wells are present on the south side of the subject property identified as HA-MW-1 through HA-MW-04.

The report stated that upon Underground Injection Control (UIC) remediation activities and comprehensive groundwater analysis, Tetrachloroethene (PCE) concentrations remaining steady or slightly increased in groundwater monitoring wells HA-MW-01, 02 and 03 located on the southern subject property parcel 00149-01-006. Cis-1,2-DCE has increased in wells HA-MW-01 and 03 since the previous 2022 monitoring event. Sampling and remediation activities are on-going for the source properties. The last monitoring event for the subject property wells is dated November 2023, which identified PCE at a maximum concentration of 6,030 micrograms per liter (ug/L), which exceeds regulatory criteria for groundwater and may present a vapor intrusion condition. The documented VOC impacts found in on-site wells is considered a recognized environmental concern (REC).

Controlled Recognized Environmental Condition

A controlled recognized environmental condition (CREC) refers to a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify CRECs during the course of this assessment.

Historical Recognized Environmental Condition

A historical recognized environmental condition (HREC) refers to a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify HRECs during the course of this assessment.

Business Environmental Risk

A Business Environmental Risk (BER) is a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. The following was identified during the course of this assessment:

- Due to the age of the subject property buildings, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Partner previously prepared Operations & Maintenance (O&M) Plans for ACM and LBP dated August 15, 2024 for The Paces Foundation, Inc., for the subject property buildings. Should the suspect materials be replaced, the identified materials would need to be sampled to confirm the presence or absence of asbestos or LBP prior to renovation or demolition activities to prevent potential exposure to workers and/or building occupants. Partner has no further recommendations for ACM or LBP at this time.

Significant Data Gaps

No significant data gaps affecting the ability of the Environmental Professional to identify a REC were encountered during this assessment.

Conclusions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of 1117 June Lane in Florence, Florence County, South Carolina (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed evidence of an REC in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- A limited subsurface investigation should be conducted in order to determine the presence or absence and extent of soil, soil vapor, and/or groundwater contamination due to environmental impacts identified in on-site groundwater monitoring wells originating from an upgradient source.

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 1117 June Lane in Florence, Florence County, South Carolina in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Reviewed By:



Margaret Thomas
Environmental Professional

10.0 REFERENCES

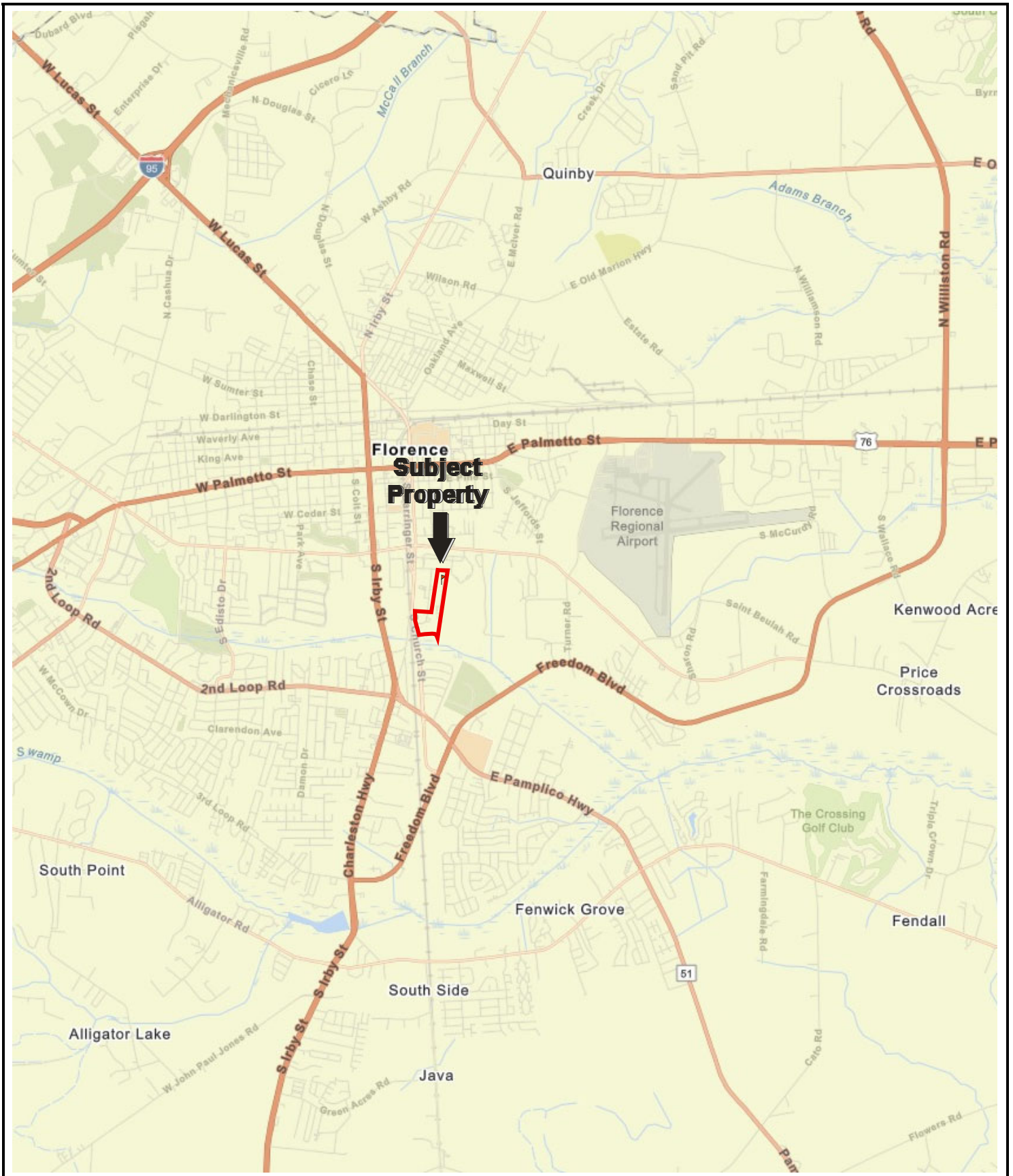
- American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-21
- Environmental Risk Information Services (ERIS), City Directory, Fire Insurance Maps, Historic Aerials, Physical Setting Report, Radius Report, Topographic Maps, June 2025
- Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via the internet, June 2025
- United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, June 2025
- United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, June 2025
- United States Fish and Wildlife Service, National Wetlands Inventory, accessed via the internet, June 2025
- United States Geological Survey, accessed via the internet, June 2025
- United States Geological Survey Topographic Map 2020, 7.5-minute series, accessed via the internet, June 2025
- Phase I Environmental Site Assessment, Partner Engineering and Science, Inc. (August 19, 2024)
- 2023 Groundwater Monitoring Report, GEL Engineering, LLC (April 26, 2024)

FIGURES

1: Site Location Map

2: Site Plan

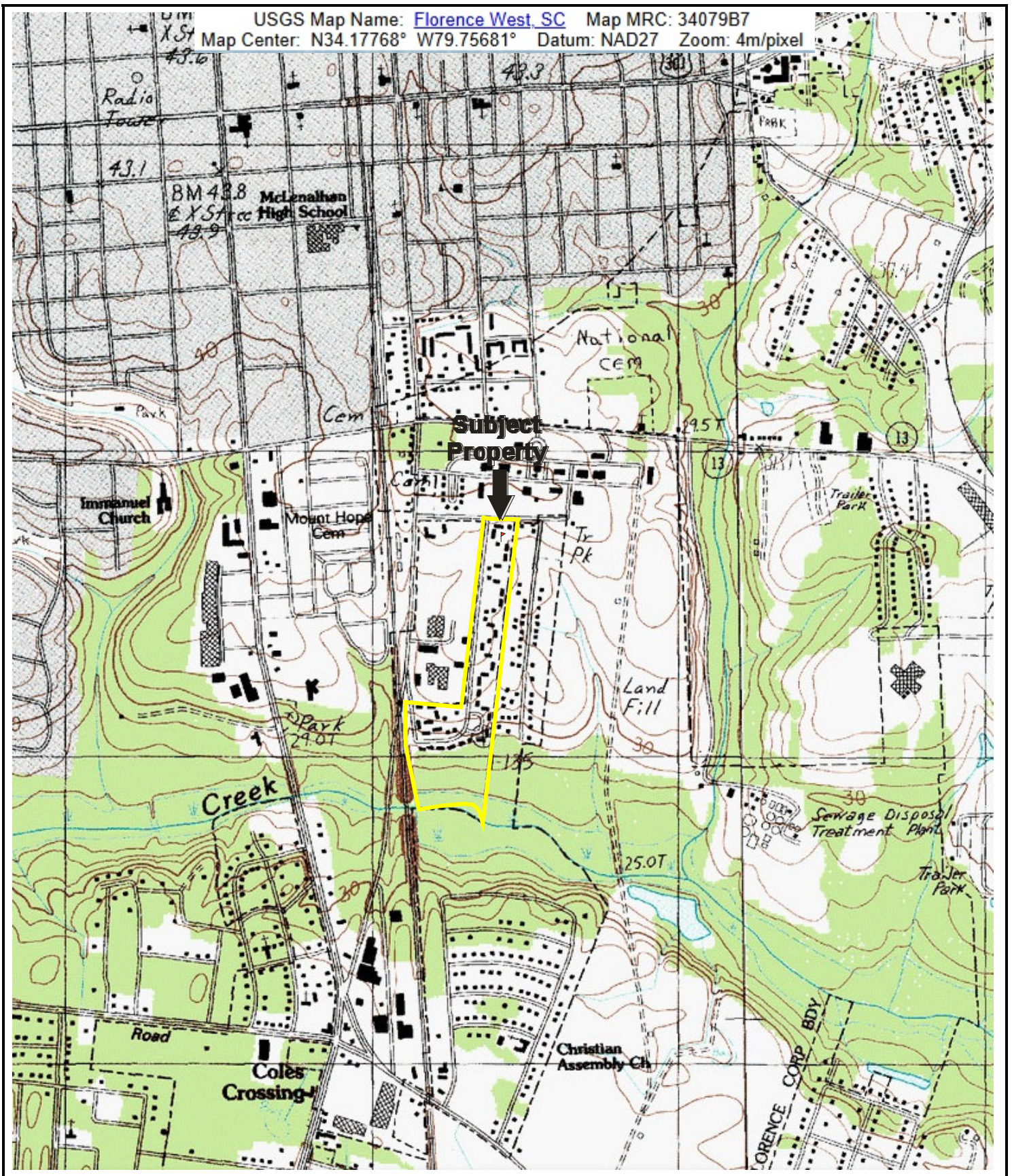
3: Topographic Map



Drawing Not To Scale

KEY:
Subject Property 

FIGURE 1: SITE LOCATION MAP
Project No. 25-458664.3



USGS 7.5 Minute Florence West, South Carolina Quadrangle

KEY:
 Subject Property

FIGURE 3: TOPOGRAPHIC MAP

Project No. 25-458664.3

PARTNER

APPENDIX A: SITE PHOTOGRAPHS



1. Exterior of subject property facing west towards west adjoining property

2. Typical exterior of multi-family building



3. View of wetland area of subject property Parcel 00149-01-007

4. Typical exterior of multi-family building



5. Typical exterior of multi-family building

6. Typical exterior of multi-family building



7. Typical exterior of multi-family building



8. Parcel 00149-01-006 - typical multi-family development facing east toward June Lane (groundwater monitoring well)



9. Exterior view of Parcel 00149-01-006 - typical multi-family development



10. Community multi-purpose building facing west from June Lane



11. Exterior view of Parcel 00149-01-006 - typical multi-family development (typical pole-mounted transformer)



12. Leasing office facing east towards June Lane



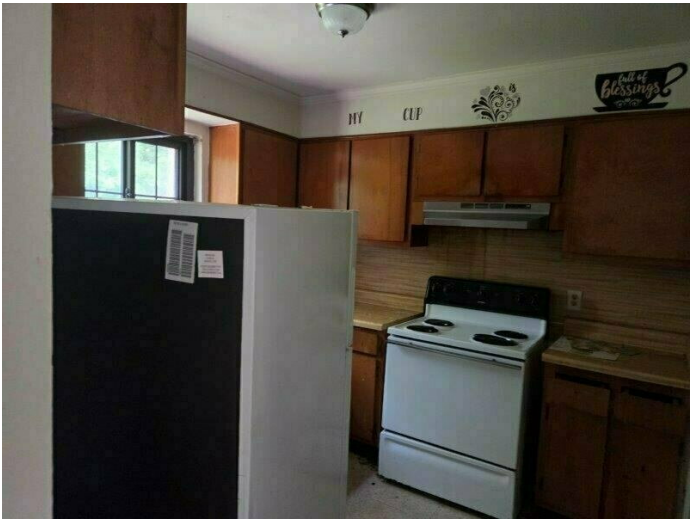
13. Leasing office facing west from June Lane



14. Typical interior of multi-family building



15. Typical multi-family interior



16. Typical multi-family interior



17. Typical multi-family interior



18. Typical multi-family interior



19. Typical multi-family interior



20. Typical multi-family interior



21. Typical interior of community multi-purpose building storage



22. Typical interior of community multi-purpose building



23. Water heater inside community multi-purpose building



24. Typical interior of community multi-purpose building



25. Water connection in multi-family building



26. Interior of maintenance shed



27. Interior of maintenance shed



28. Leaking refrigerator in multi-family building



29. Damaged interior of multi-family building



30. Damaged interior of multi-family building



31. Typical water heater system of multi-family building

32. Typical water heater system of multi-family building



33. Typical multi-family interior

34. Typical multi-family interior with microbial growth



35. Playground on north boundary of subject property

36. Typical commercial solid waste dumpster



37. Groundwater monitoring well on Parcel 00149-01-006



38. Typical stormwater drain



39. South side of community multi-purpose building facing west (typical pole-mounted transformer)



40. HVAC equipment of leasing office



41. Dominion Energy gas line at leasing office



42. Commercial solid waste dumpster behind leasing office



43. Maintenance shed and commercial solid waste dumpster



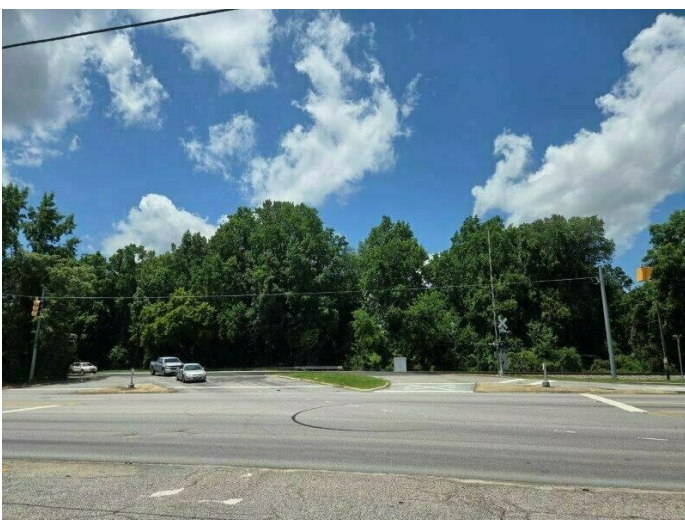
44. North adjoining property entrance (SC Department of Disabilities & Special Needs - 714 E. National Cemetery)



45. West adjoining property facing east from S. Church Street



46. Grassed area of west adjoining property facing south from Prout Drive



47. Southwest adjoining property facing southwest across railroad tracks



48. View of north adjoining property facing north from Prout Drive (714 E. National Cemetery Road)



49. West adjoining property facing east from S. Church Street

50. North subject property boundary facing west along Prout Drive



51. Facing northwest from Prout Drive towards north adjoining property (714 E. National Cemetery Road)

52. West property boundary facing west



53. West property boundary facing north

54. West property boundary facing south



55. West adjoining property (1100 S. Church Street) facing north from Parcel 00149-01-006

56. North boundary of Parcel 00149-01-006 facing west



57. West adjoining property facing north from Parcel 00149-01-006

58. North boundary of Parcel 00149-01-006 facing west

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION



HISTORICAL AERIALS

Project Property: Churchill Apartments
1117 June Lane
FLORENCE SC 29506

Project No: 24-458664.3

Requested By: Partner Engineering and Science, Inc.

Order No: 25061100519

Date Completed: June 16, 2025

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services

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1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
1941	Agricultural Stabilization & Conserv. Service	1" = 500'	
1949	Agricultural Stabilization & Conserv. Service	1" = 500'	
1957	United States Geological Survey	1" = 500'	
1964	United States Air Force	1" = 500'	
1969	Agricultural Stabilization & Conserv. Service	1" = 500'	
1977	United States Geological Survey	1" = 500'	
1983	United States Geological Survey	1" = 500'	
1989	United States Geological Survey	1" = 500'	Best Copy Available
1994	United States Geological Survey	1" = 500'	
2003	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2011	United States Department of Agriculture	1" = 500'	
2013	United States Department of Agriculture	1" = 500'	
2015	United States Department of Agriculture	1" = 500'	
2017	United States Department of Agriculture	1" = 500'	
2019	United States Department of Agriculture	1" = 500'	
2021	United States Department of Agriculture	1" = 500'	
2023	United States Department of Agriculture	1" = 500'	

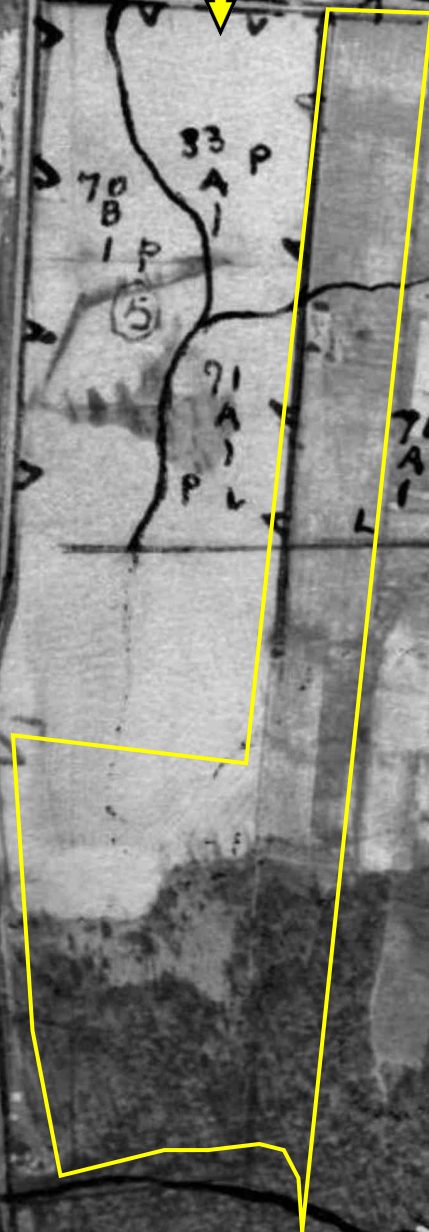
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500
Feet

**Subject
Property**

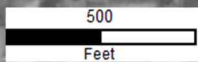


Year: 1941
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER



**Subject
Property**



Year: 1949
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**



Year: 1957
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**



Year: 1964
Source: USAF
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**



Year: 1969
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**



Year: 1977
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**



Year: 1983
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**



Year: 1989
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER



Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**

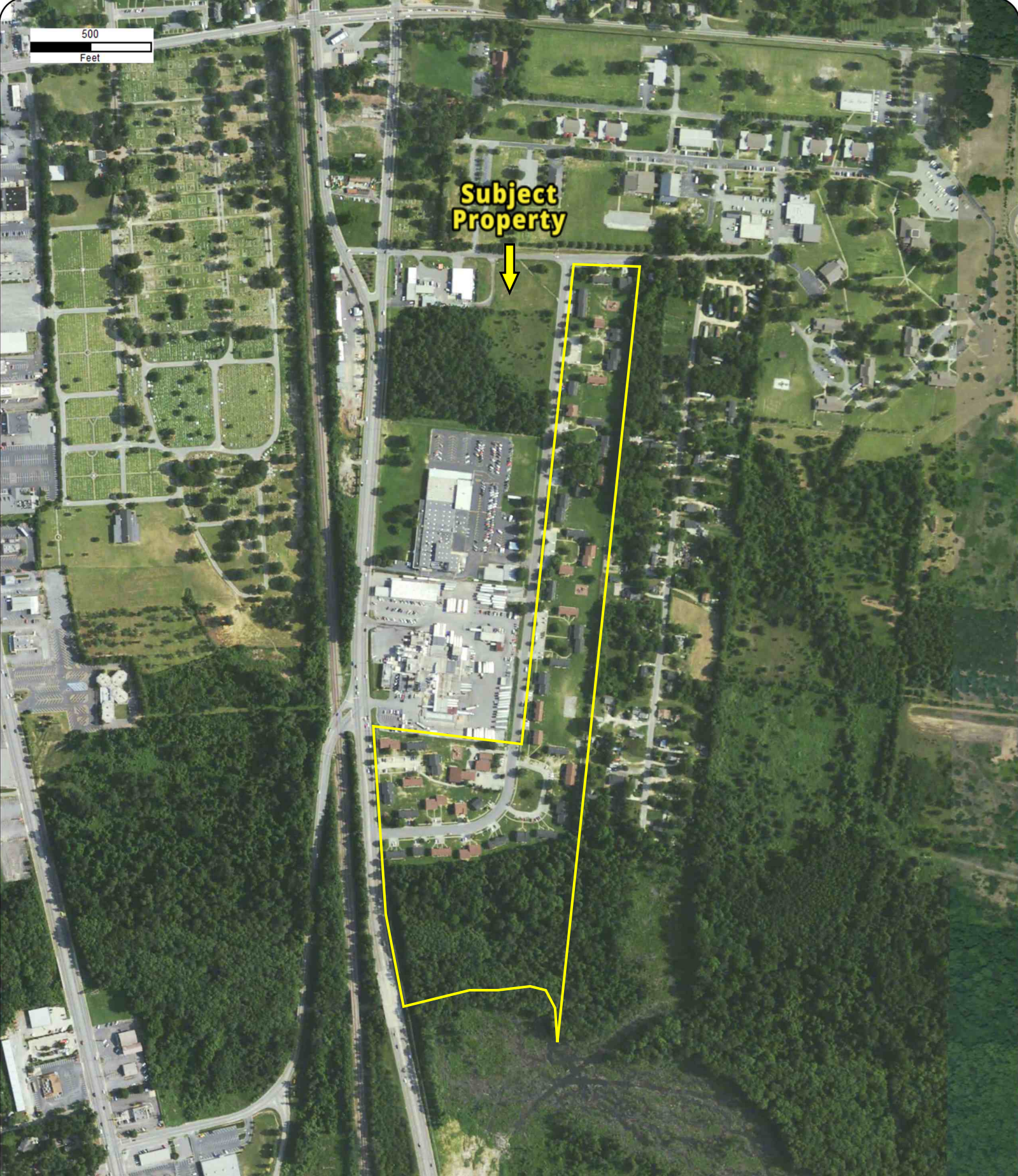


Year: 2003
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER



Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**



Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

500
Feet

**Subject
Property**

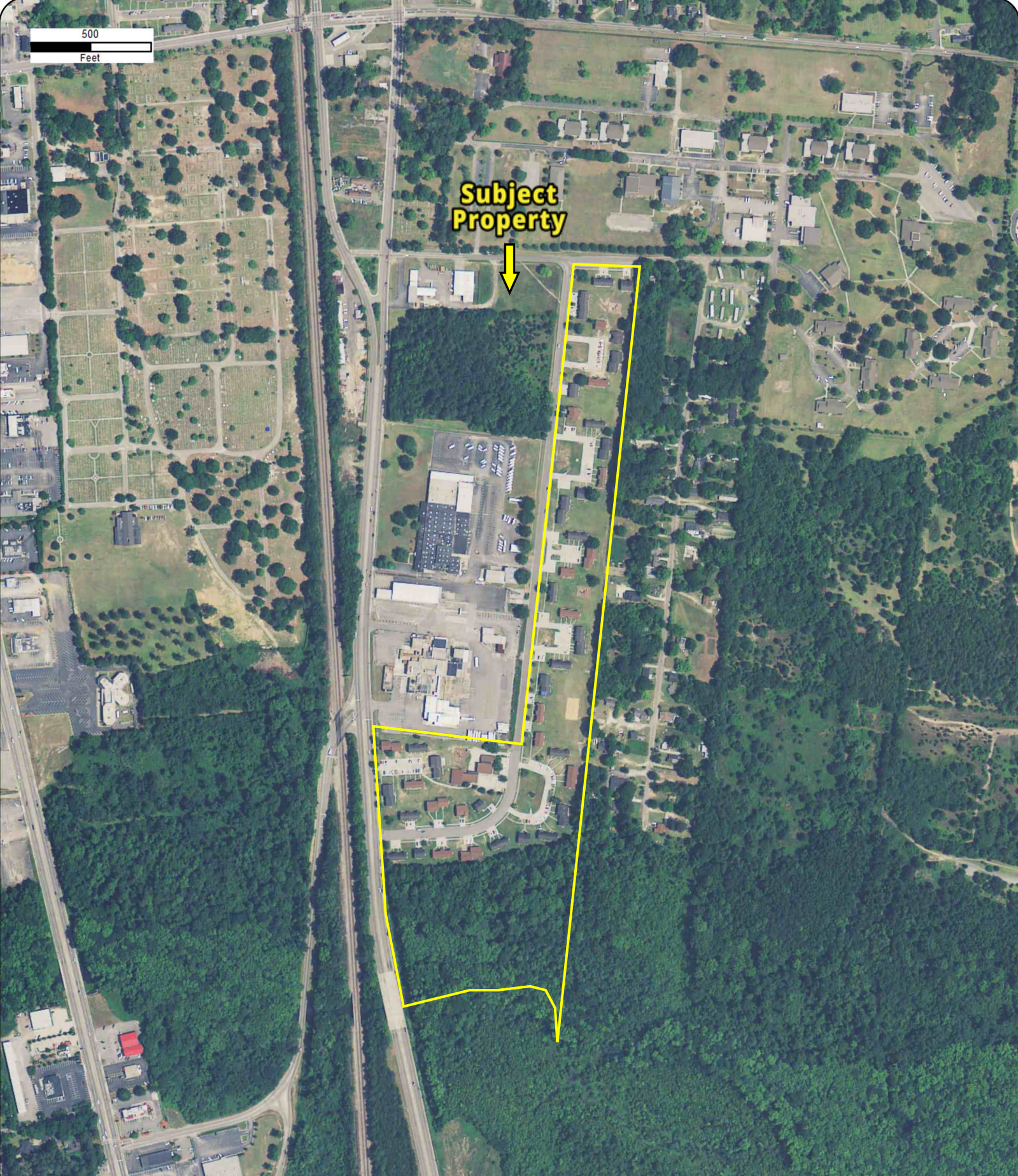


Year: 2009
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER



Year: 2011
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER

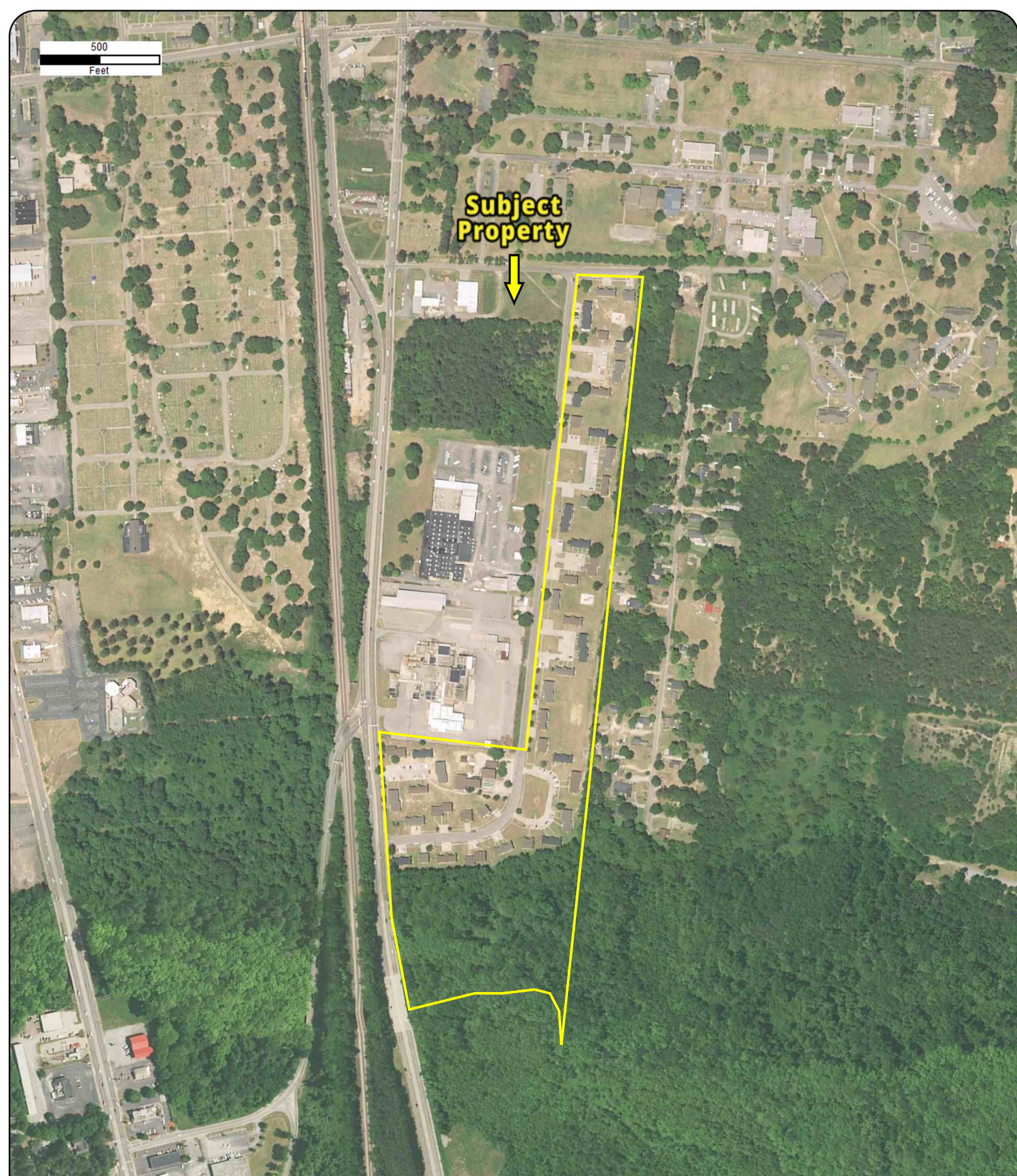


Year: 2013
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

PARTNER



Year: 2015
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

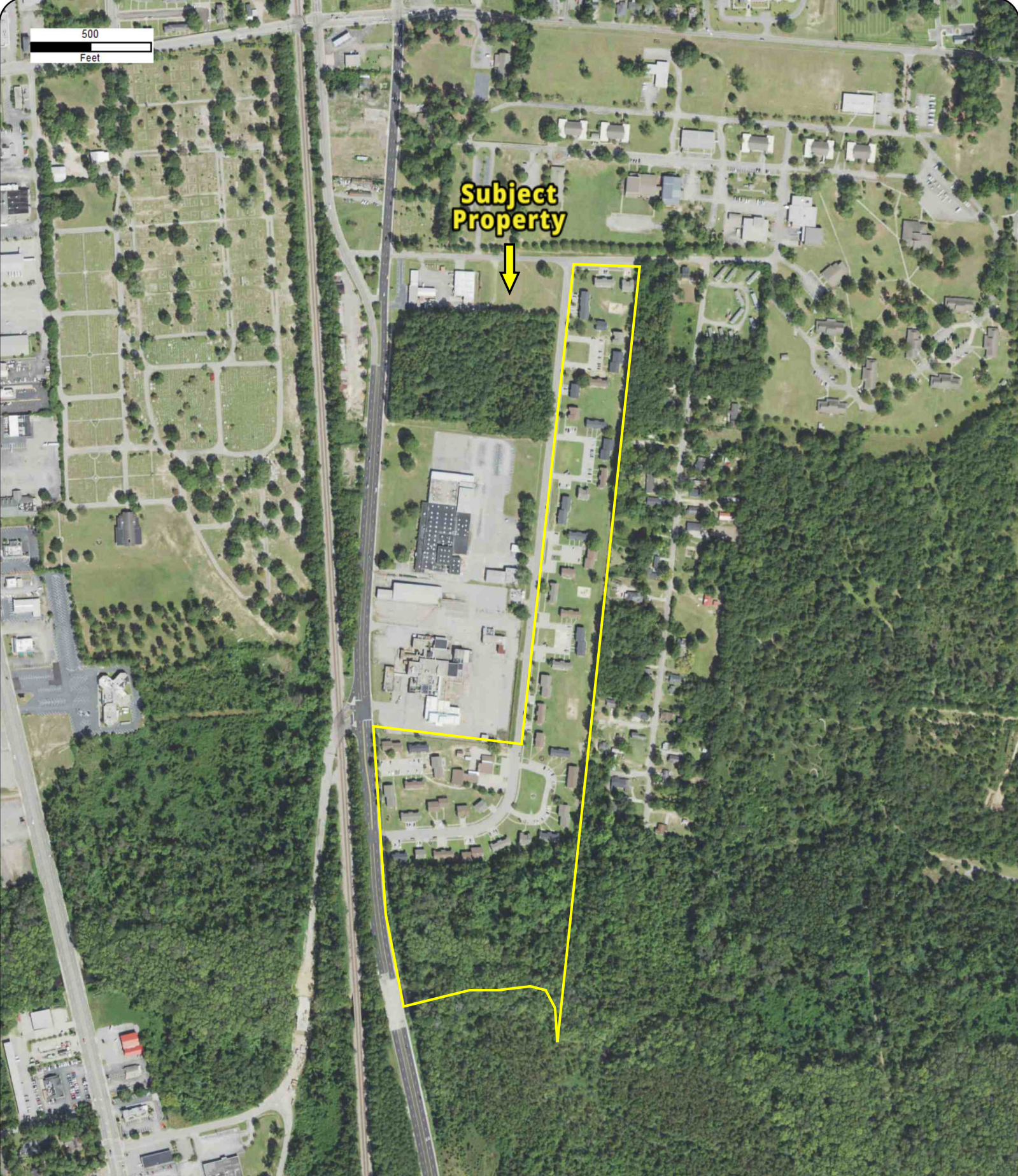
PARTNER



Year: 2017
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519

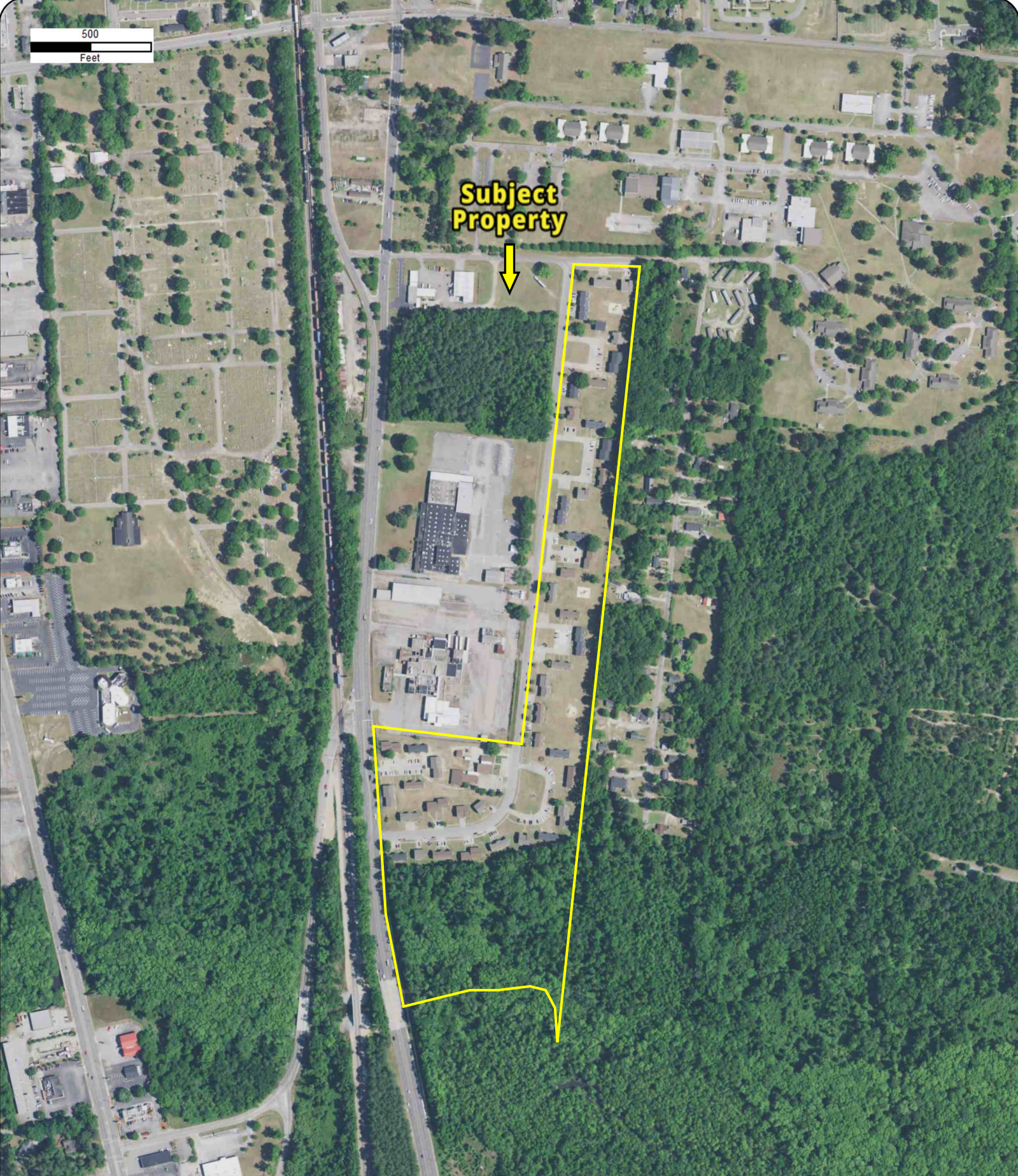


Year: 2019
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519





Year: 2021
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519





Year: 2023
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.75944564,34.17633823

Order No: 25061100519





FIRE INSURANCE MAPS

Project Property: Churchill Apartments
1117 June Lane FLORENCE SC 29506

Project No: 24-458664.3

Requested By: Partner Engineering and Science, Inc.

Order No: 25061100519

Date Completed: June 12, 2025

Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjunction with your ERIS report.

Date	City	State	Volume	Sheet Number(s)
1912	Florence	South Carolina		16
1918	Florence	South Carolina		19
1924	Florence	South Carolina		16, 21
1947	Florence	South Carolina		16, 21
1952	Florence	South Carolina		16, 21
1961	Florence	South Carolina		21

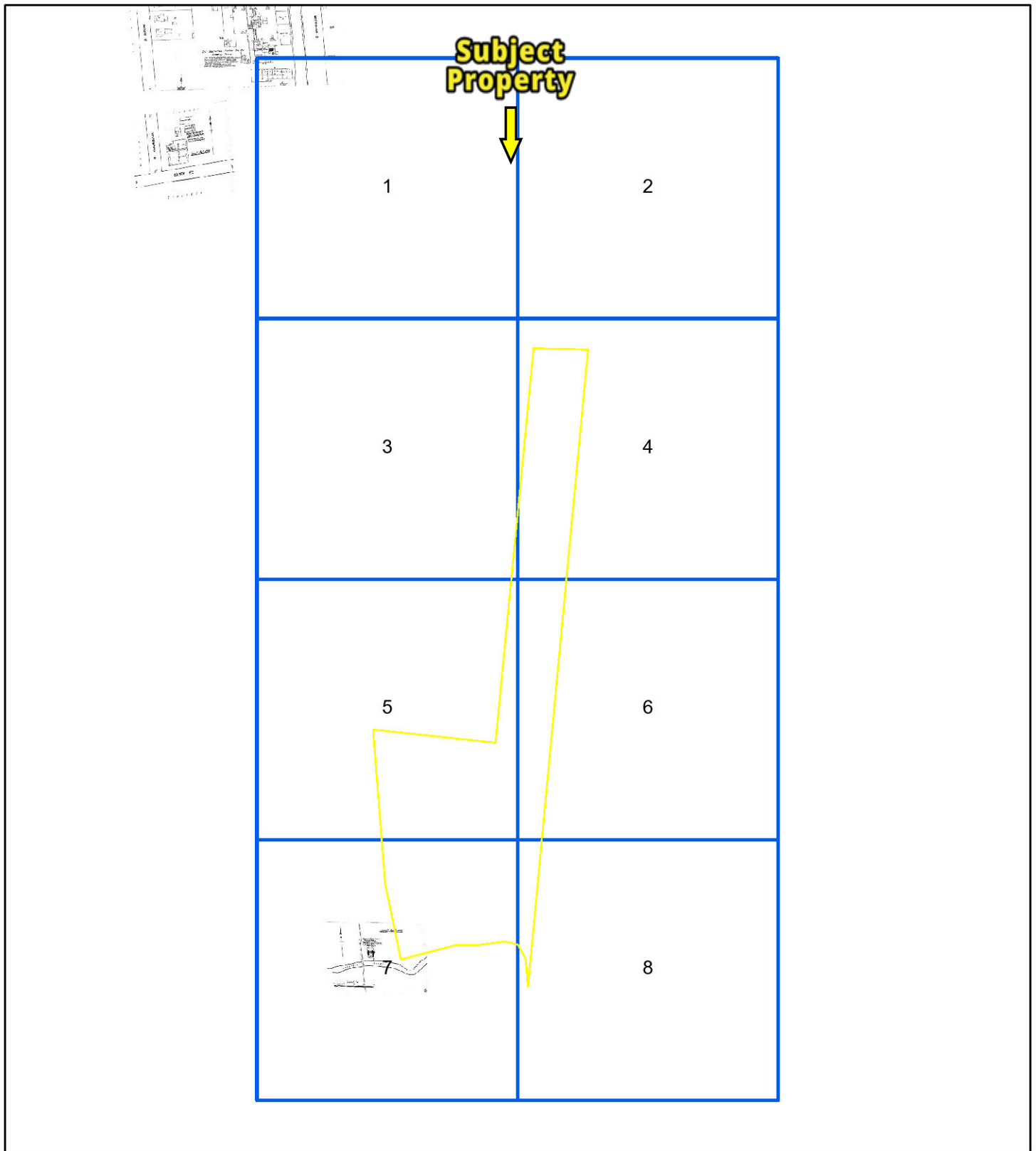
Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

Environmental Risk Information Services

A division of Glacier Media Inc.

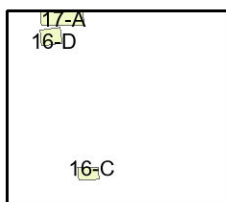
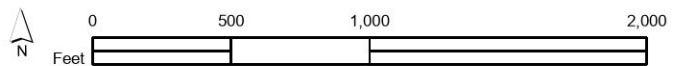
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506

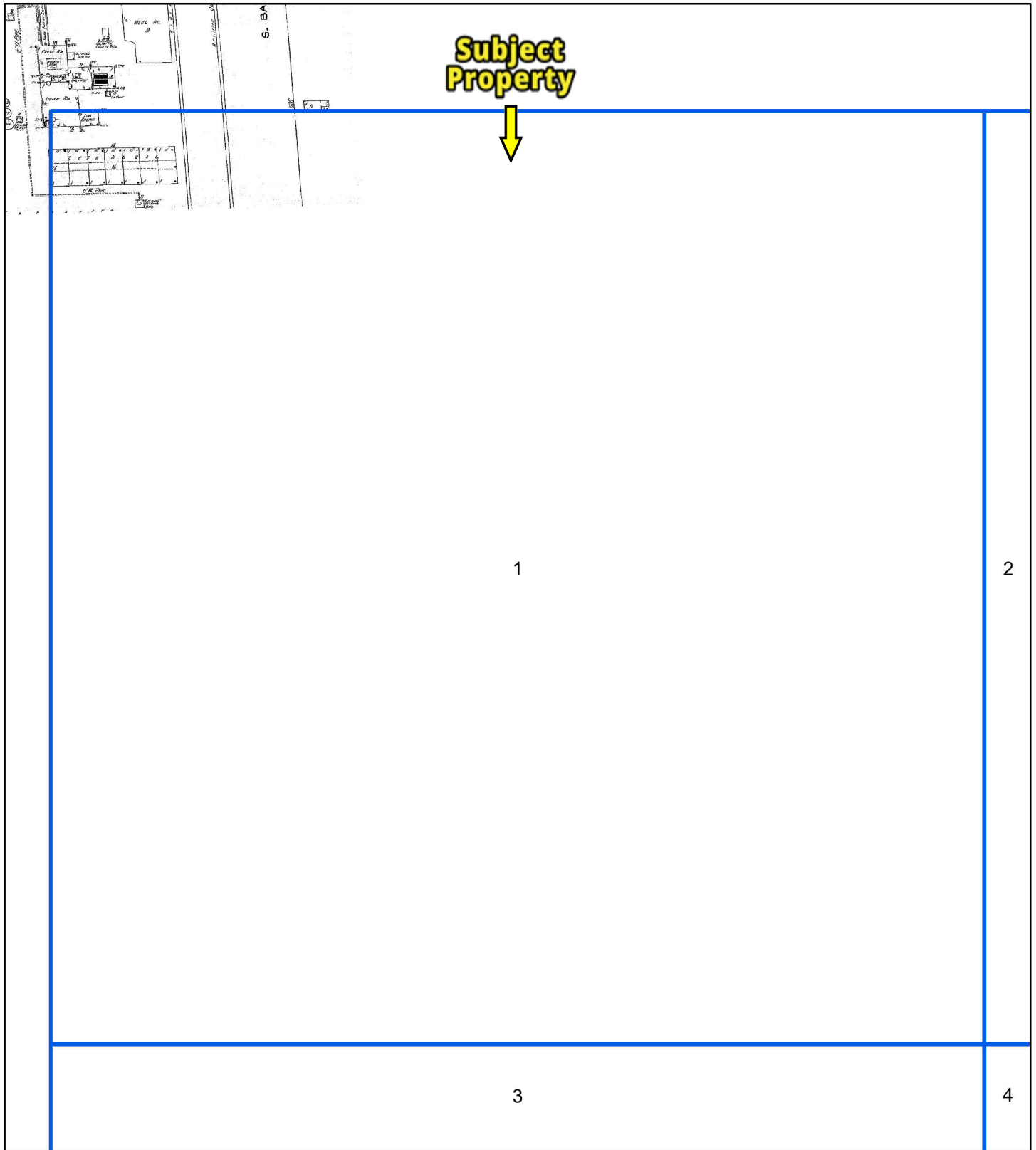


Map sheet(s):
Volume NA: 16;

Order Number 25061100519

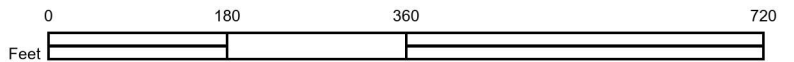
PARTNER

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506



17-A

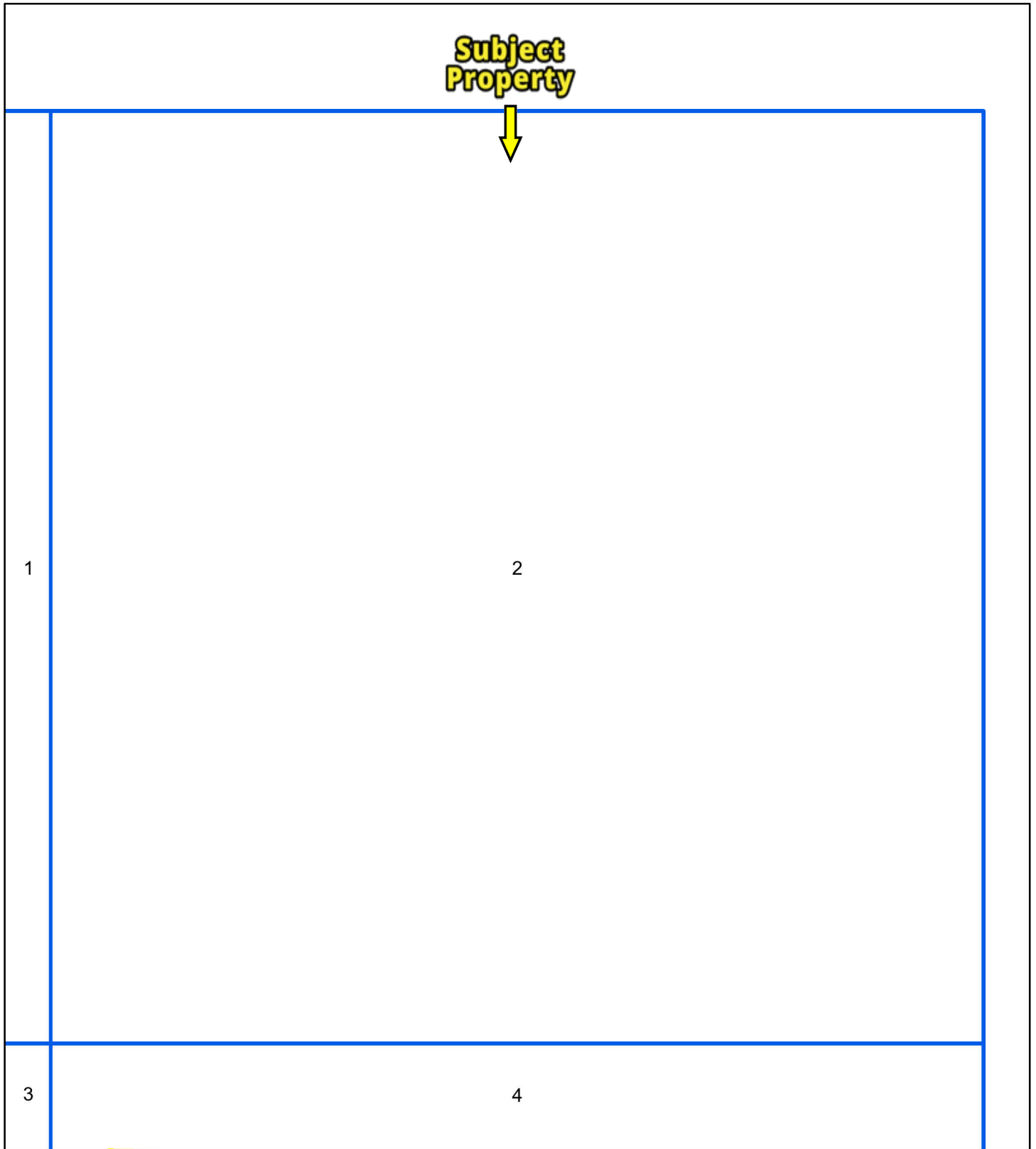
16-D

Map sheet(s):
Volume NA: 16;

Order Number 25061100519

PARTNER

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506



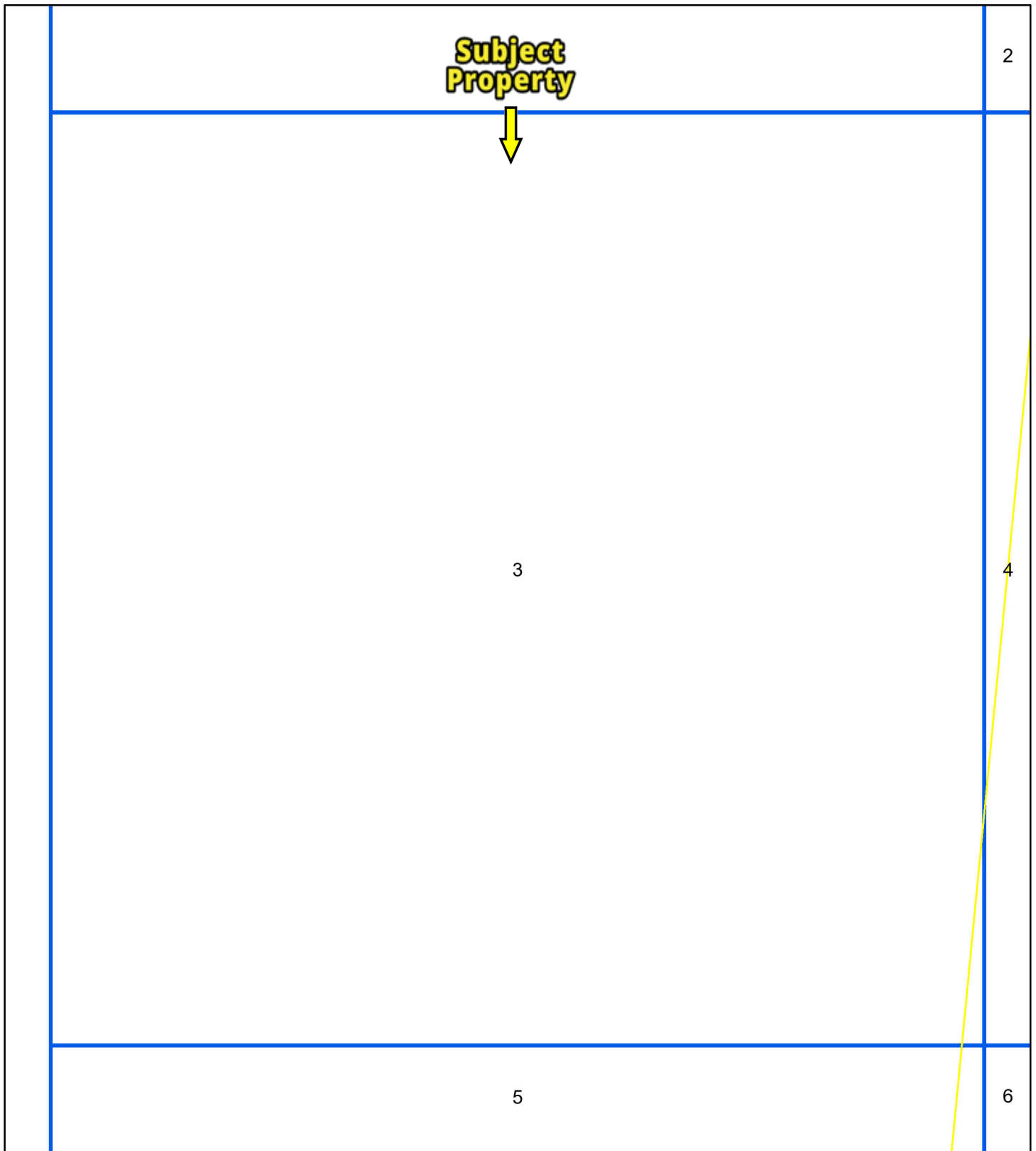
Map sheet(s):
Volume NA: 16;



Order Number 25061100519

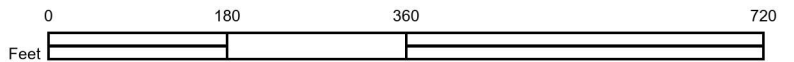
PARTNER

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506

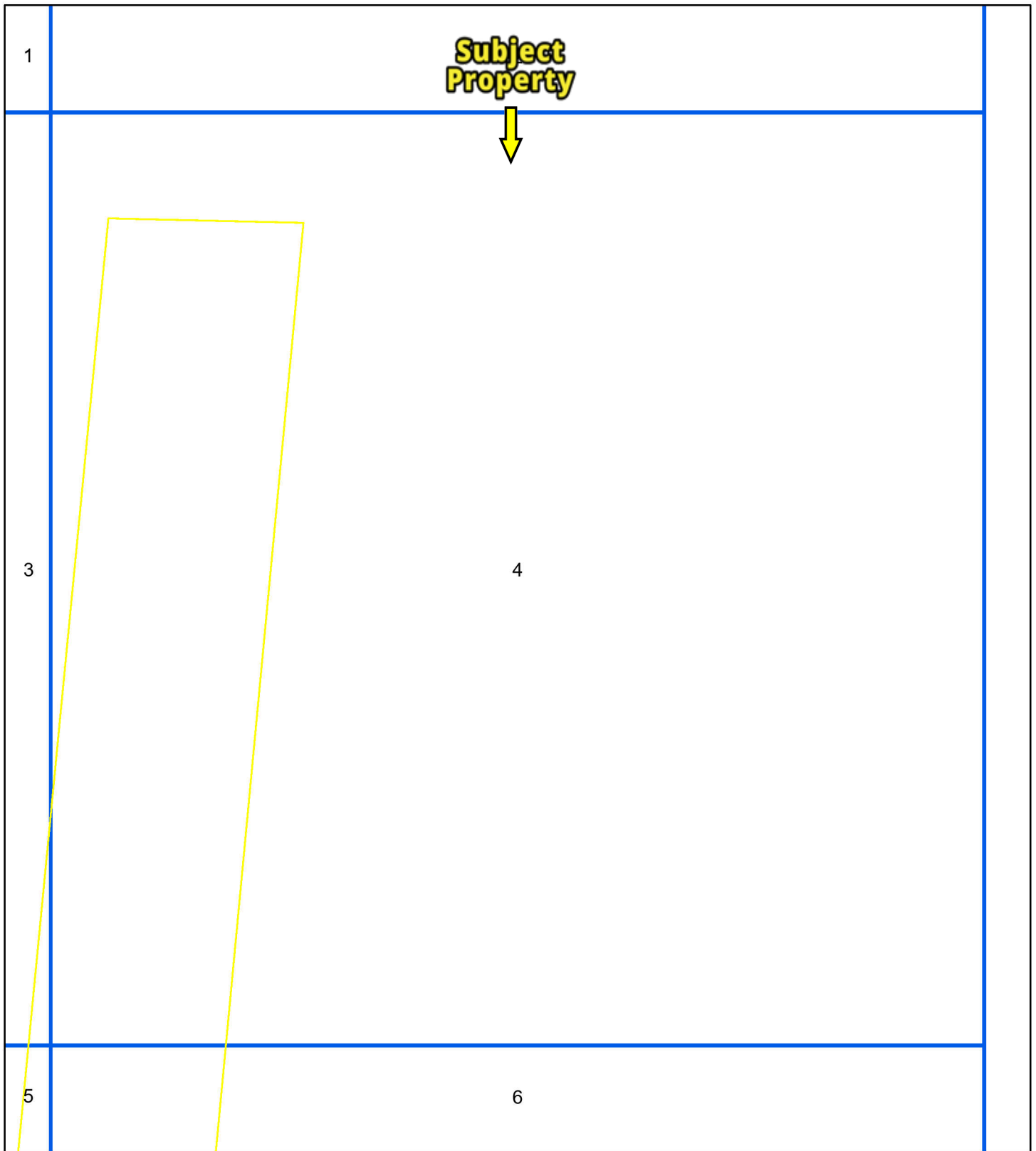


Map sheet(s):
Volume NA: 16;

Order Number 25061100519

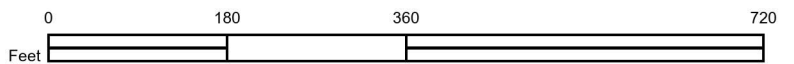
PARTNER

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506

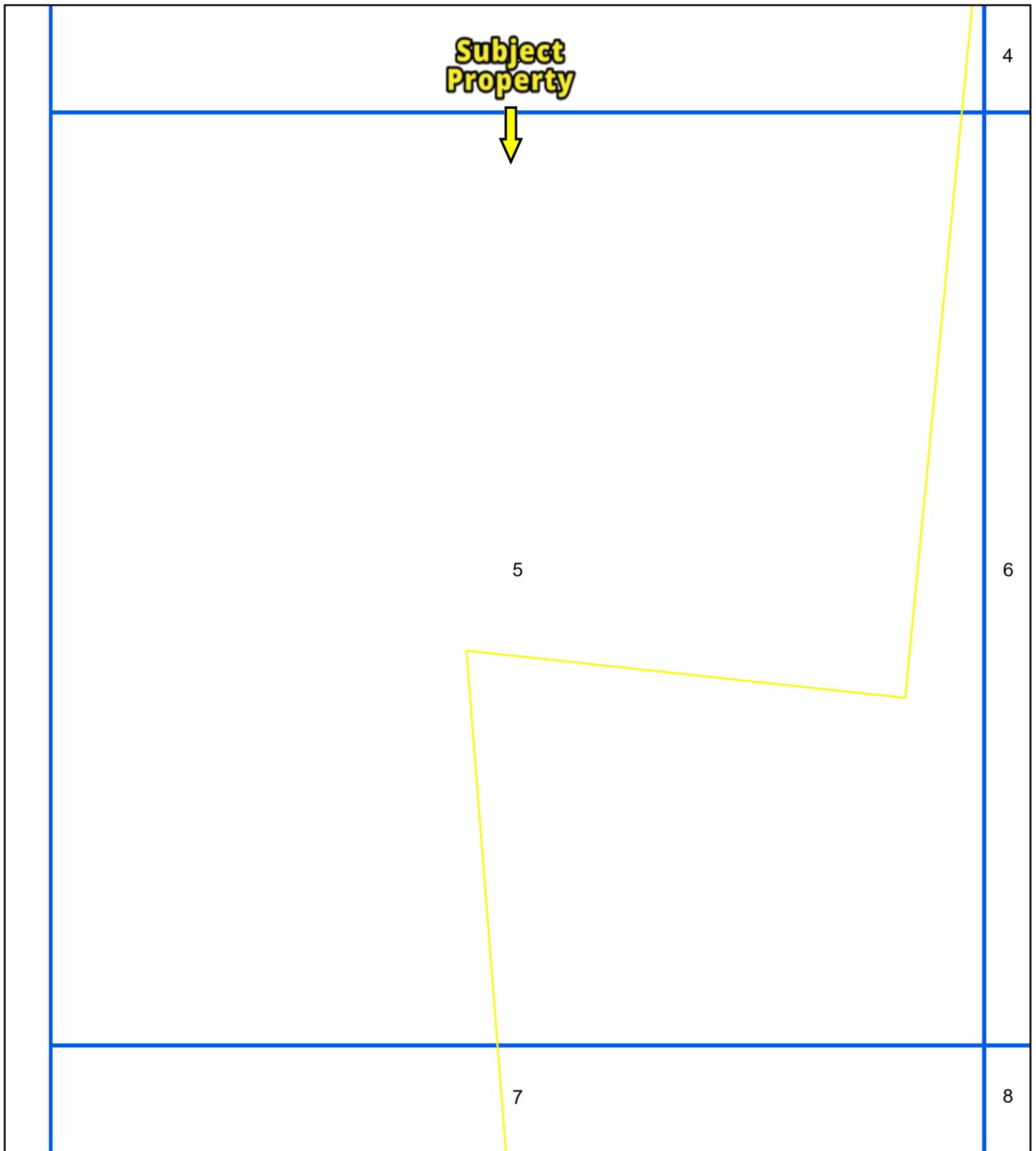


Map sheet(s):
Volume NA: 16;

Order Number 25061100519

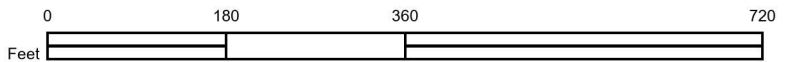
PARTNER

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506

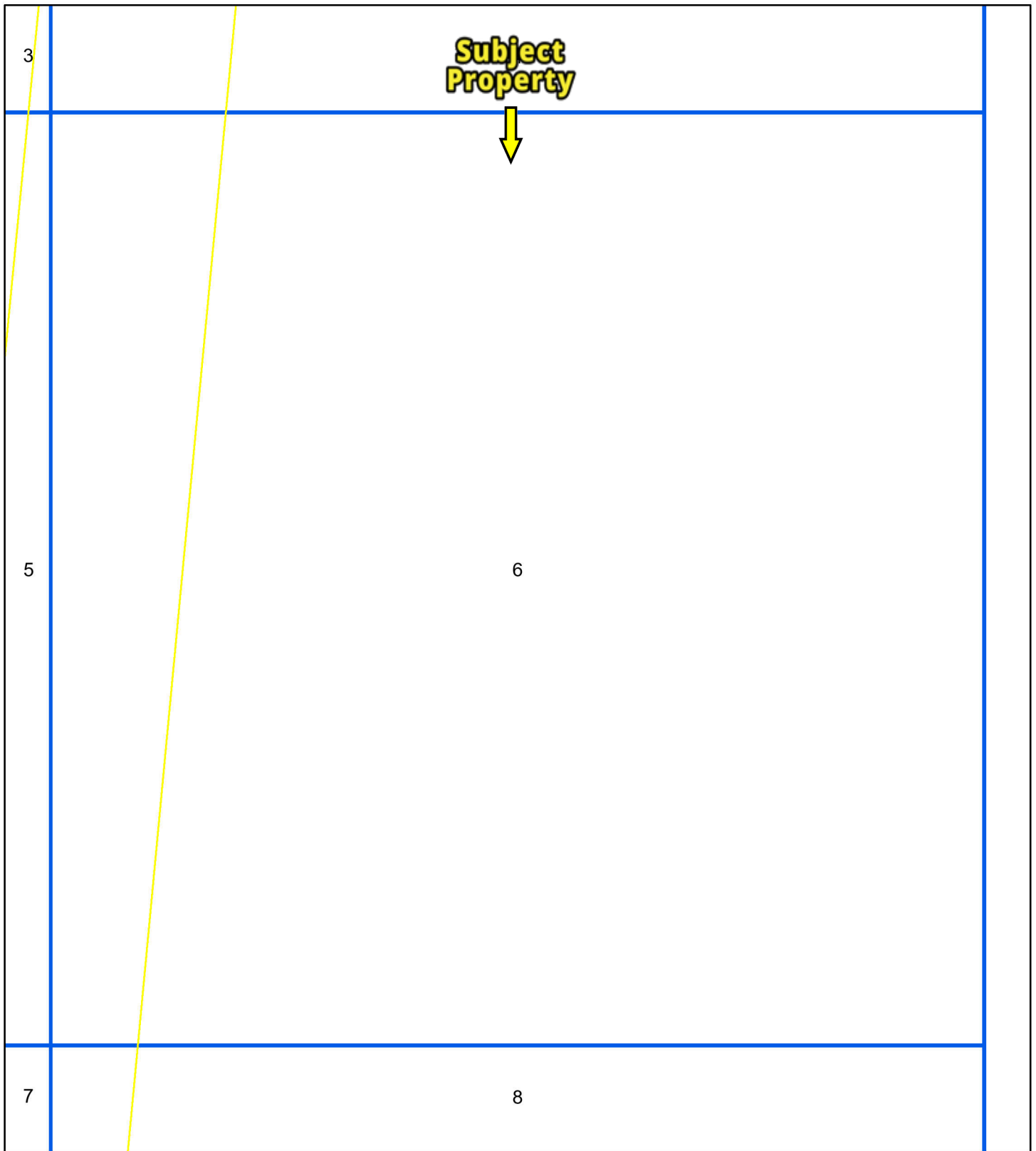


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Order Number 25061100519

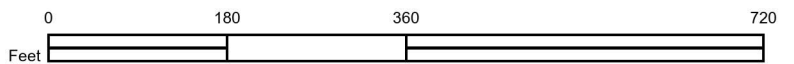
PARTNER

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506

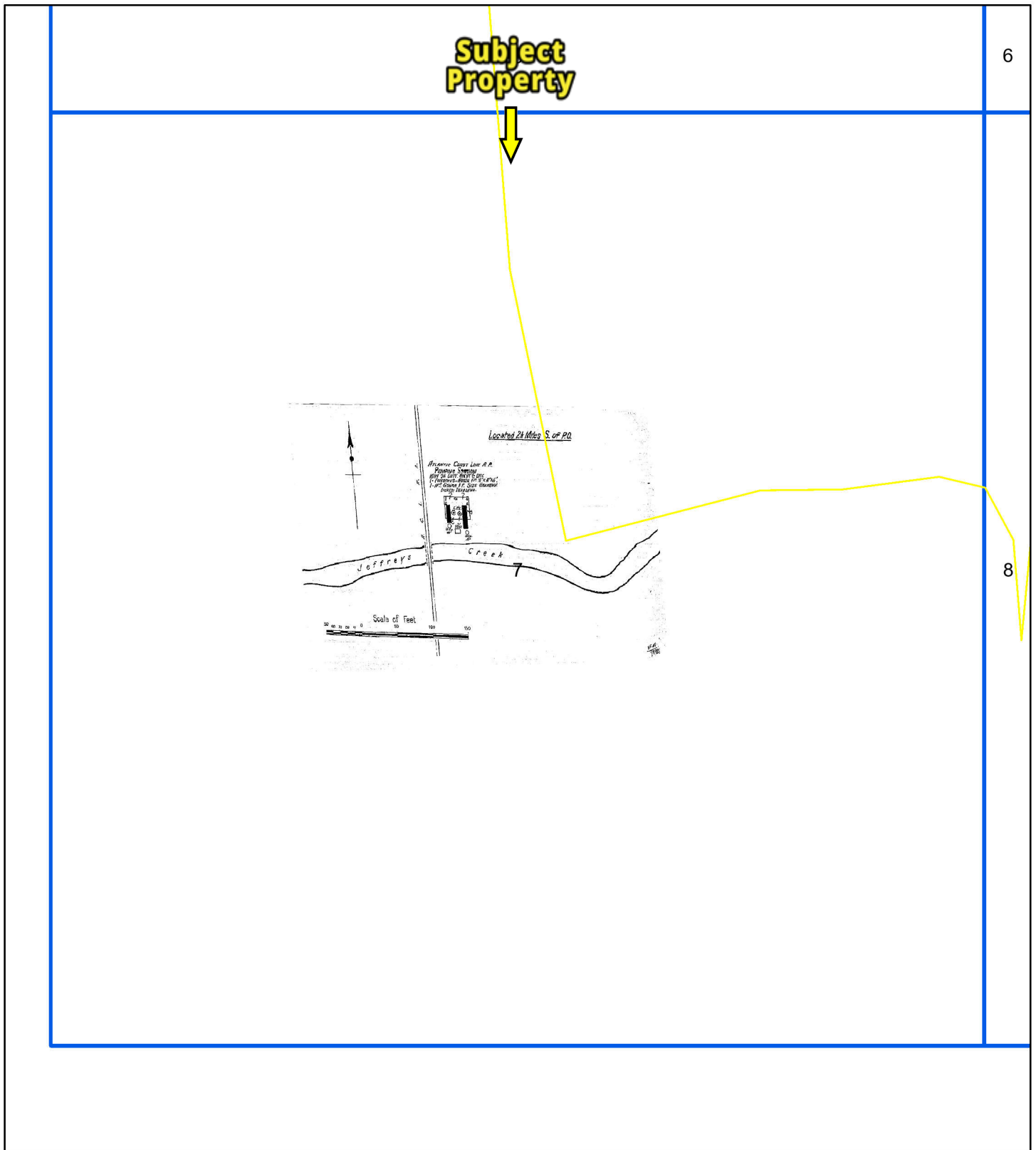


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Order Number 25061100519

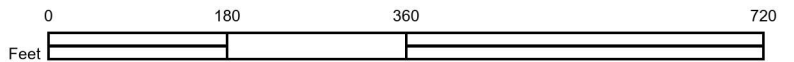
PARTNER

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506



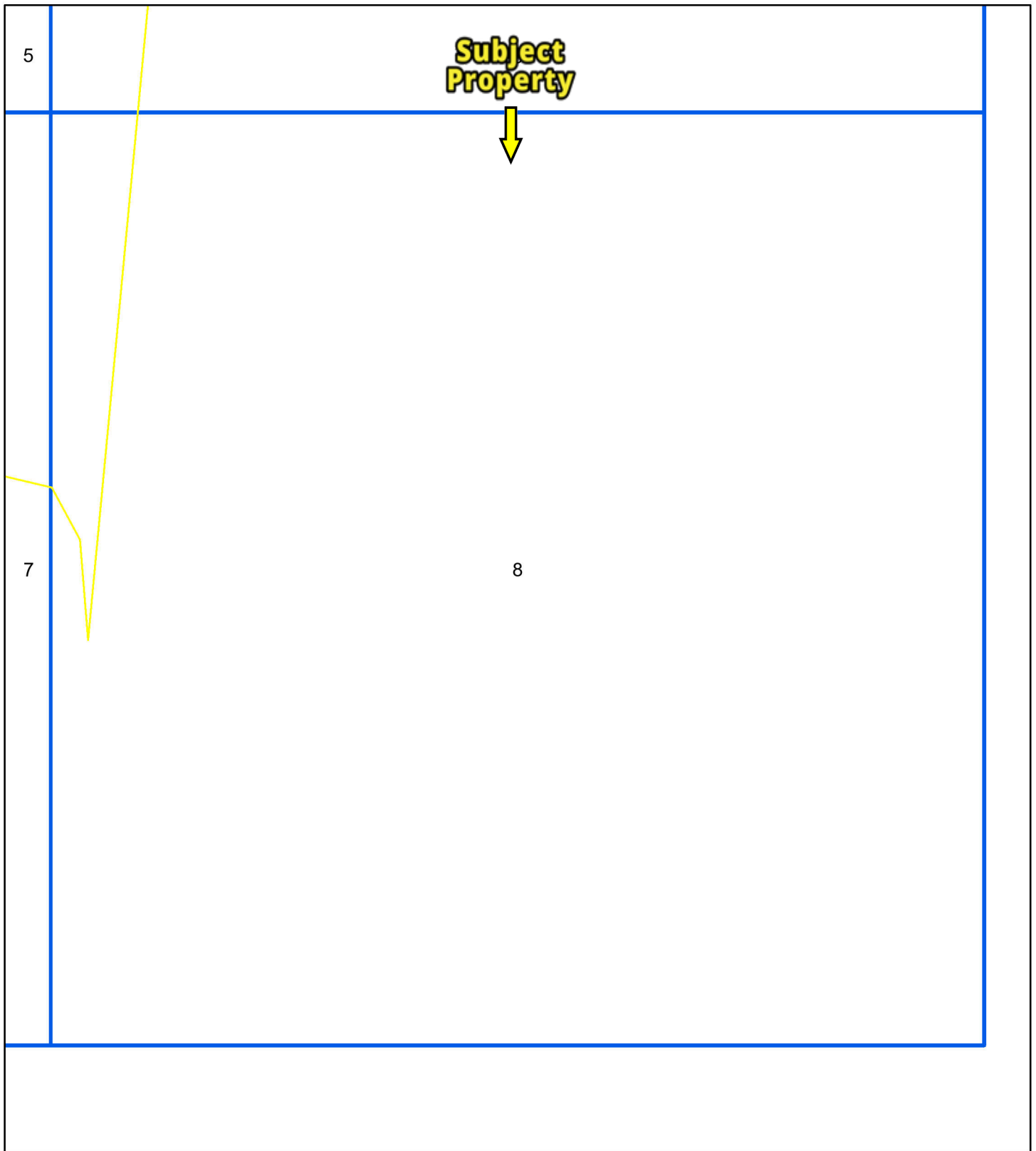
16-C

Map sheet(s):
Volume NA: 16;

Order Number 25061100519

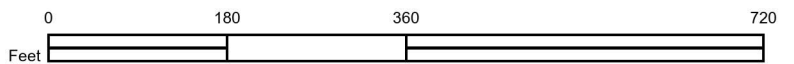
PARTNER

Fire Insurance Map



1912

Address: 1117 June Lane FLORENCE SC 29506

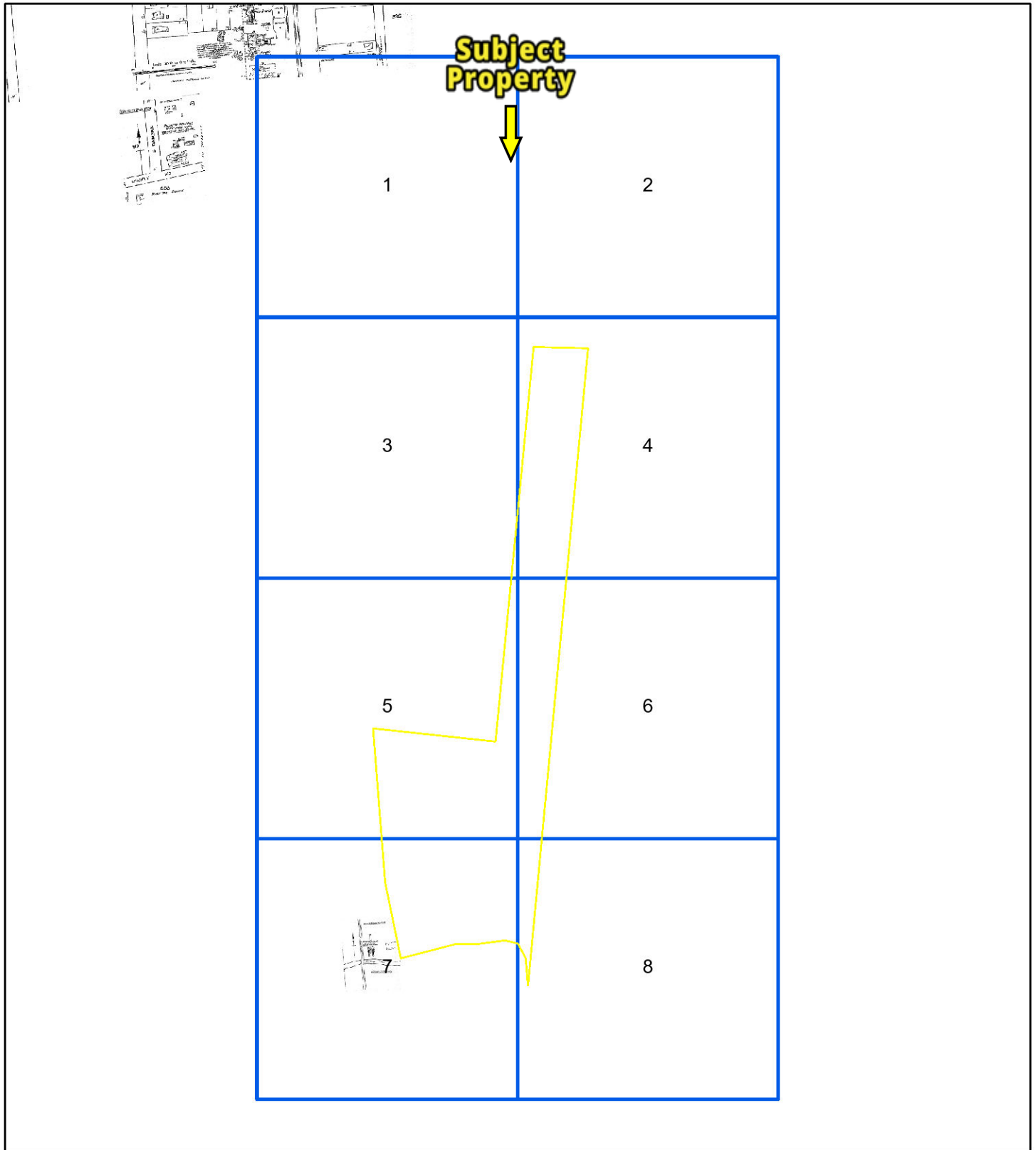


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Order Number 25061100519

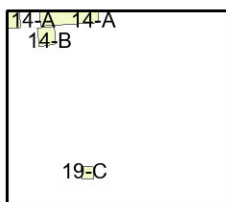
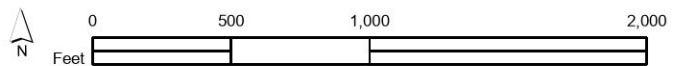
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506

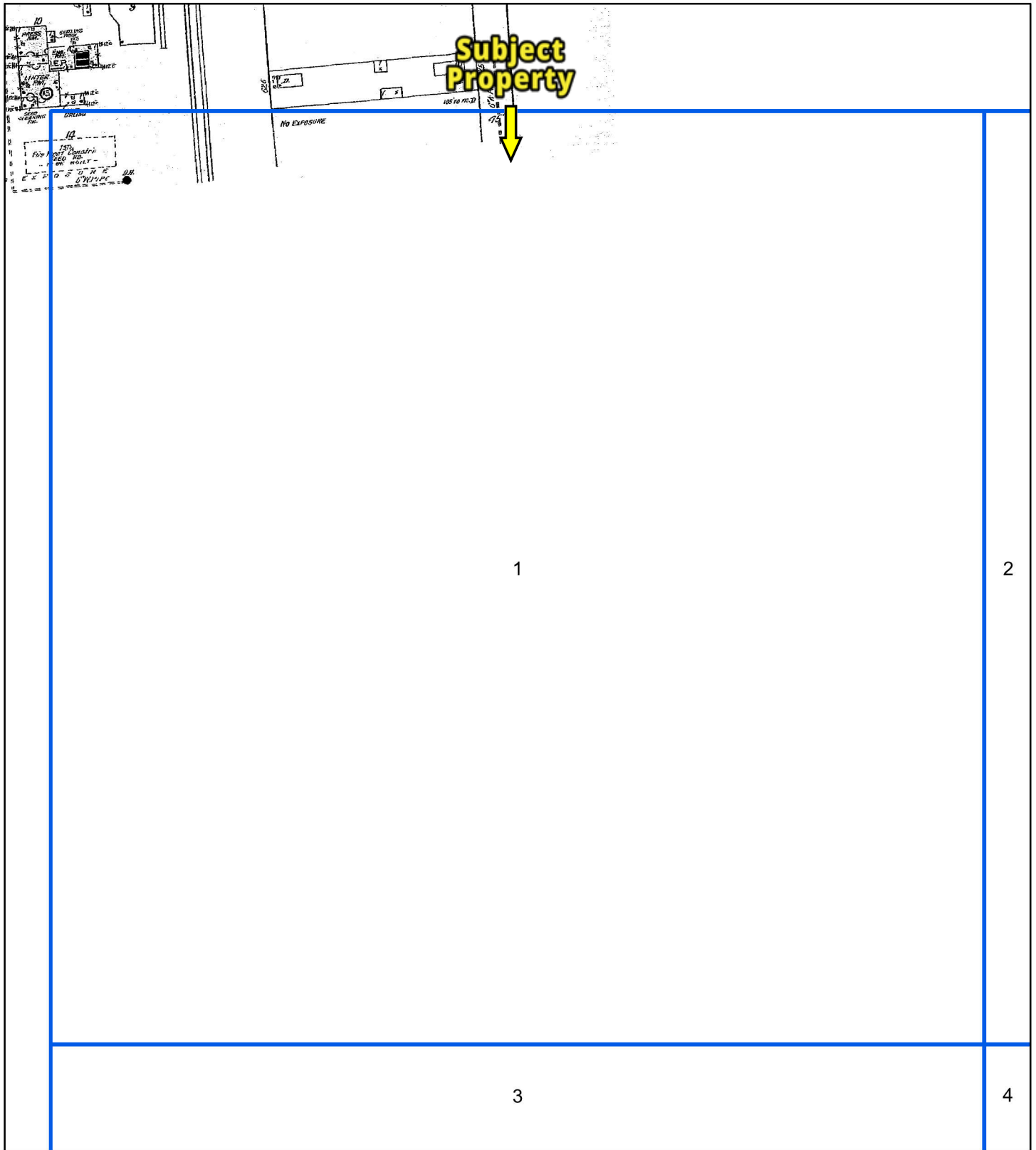


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Order Number 25061100519

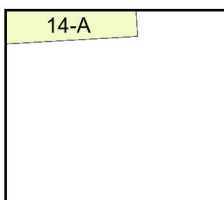
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506

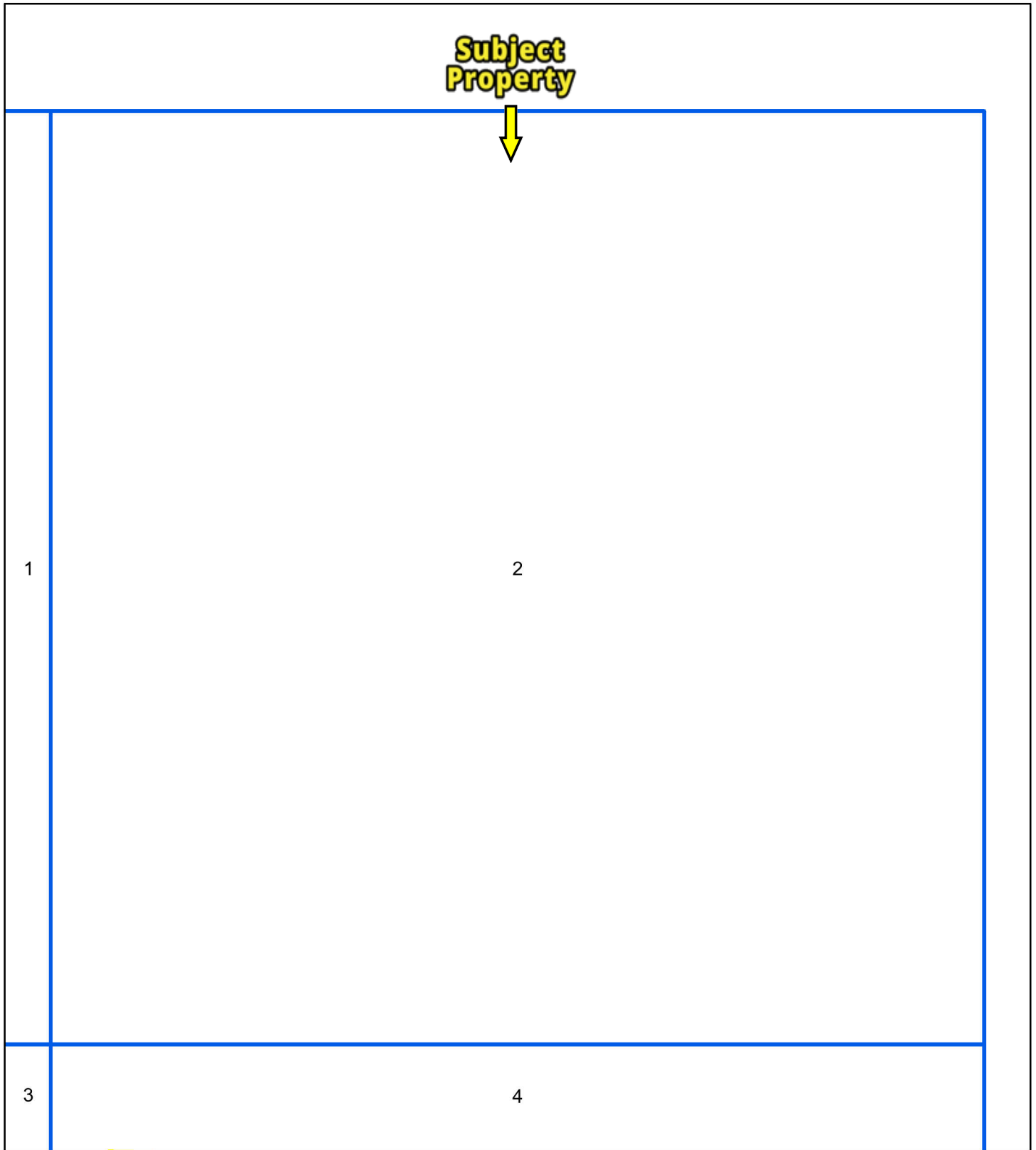


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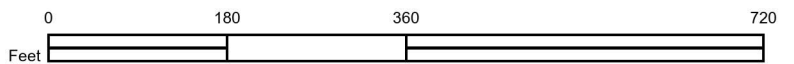
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506

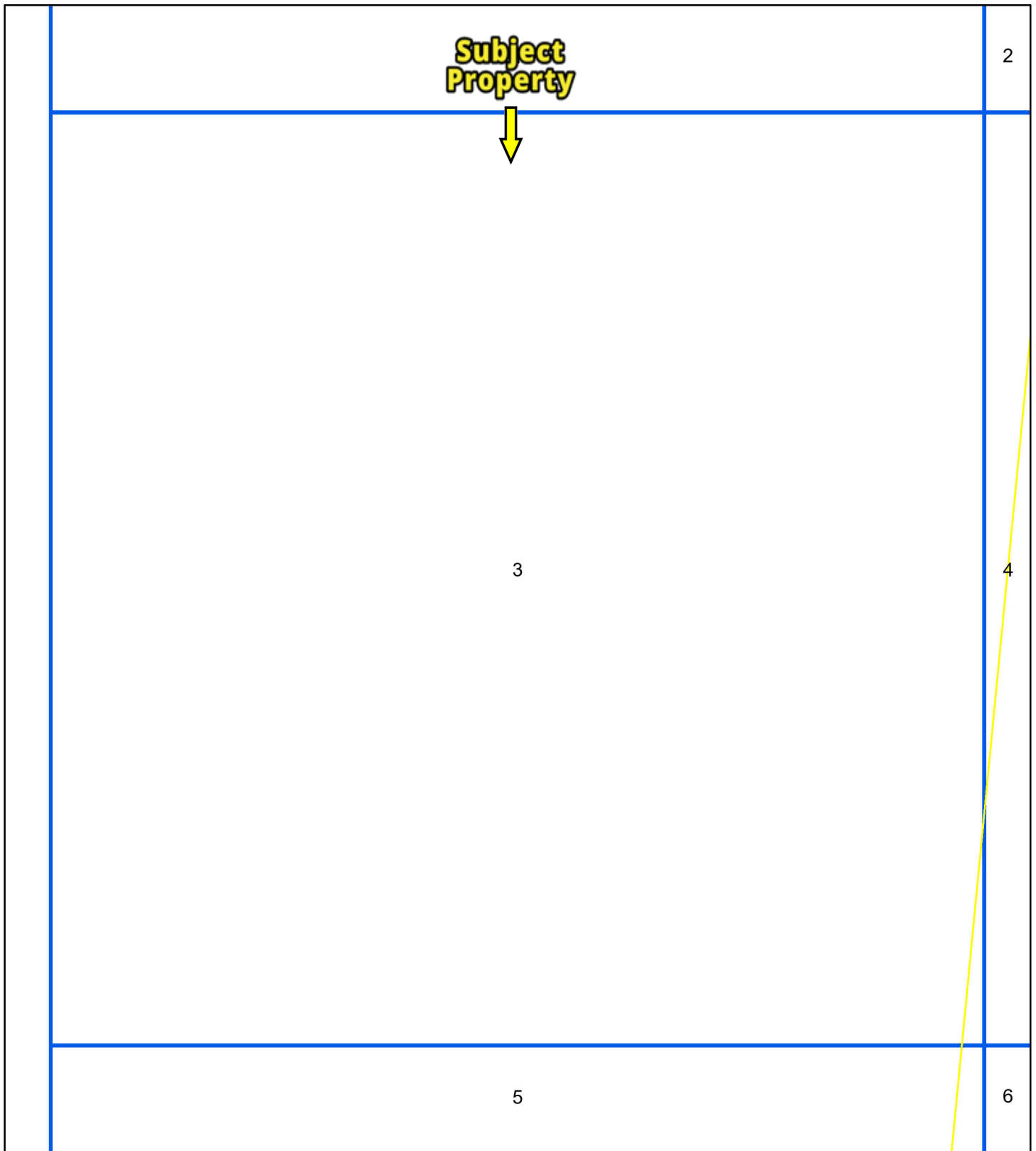


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Order Number 25061100519

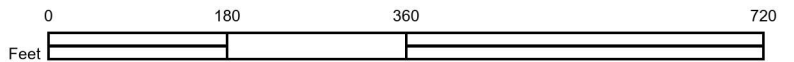
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506

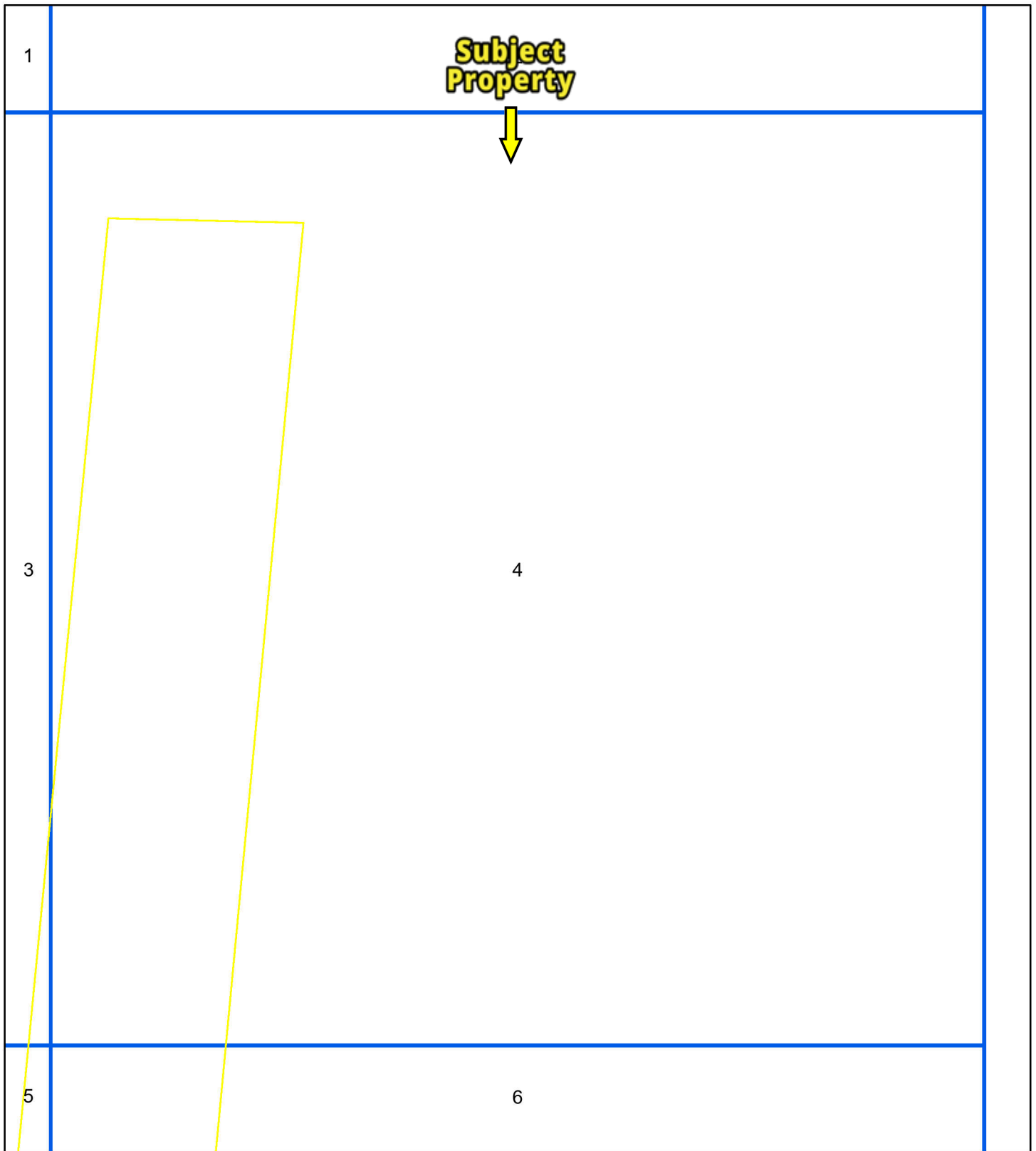


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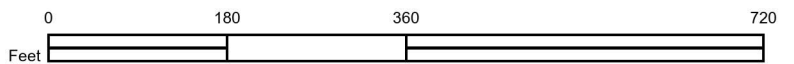
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506

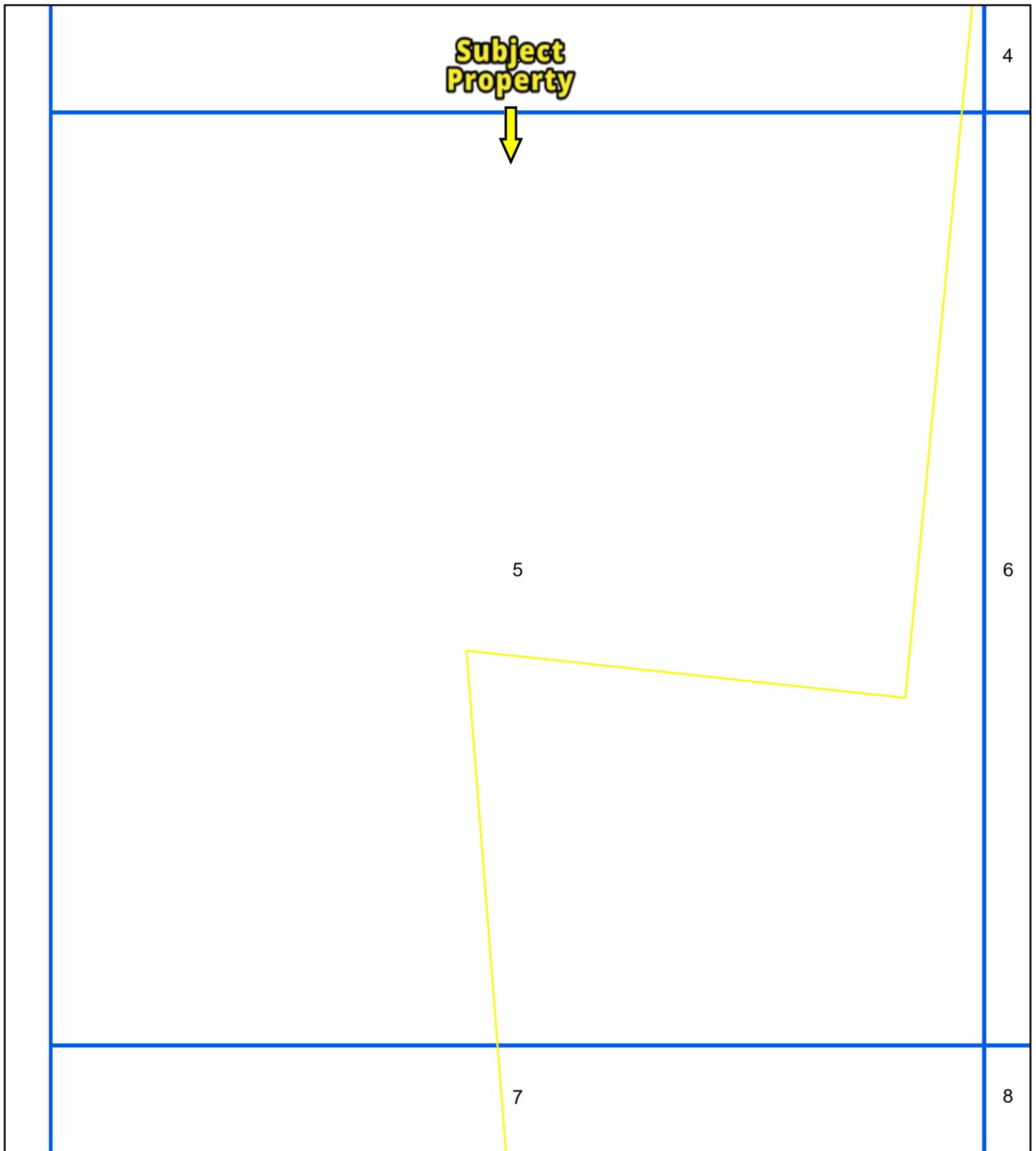


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Order Number 25061100519

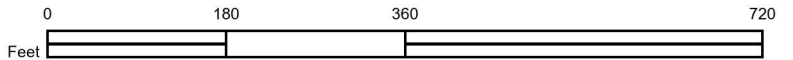
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506

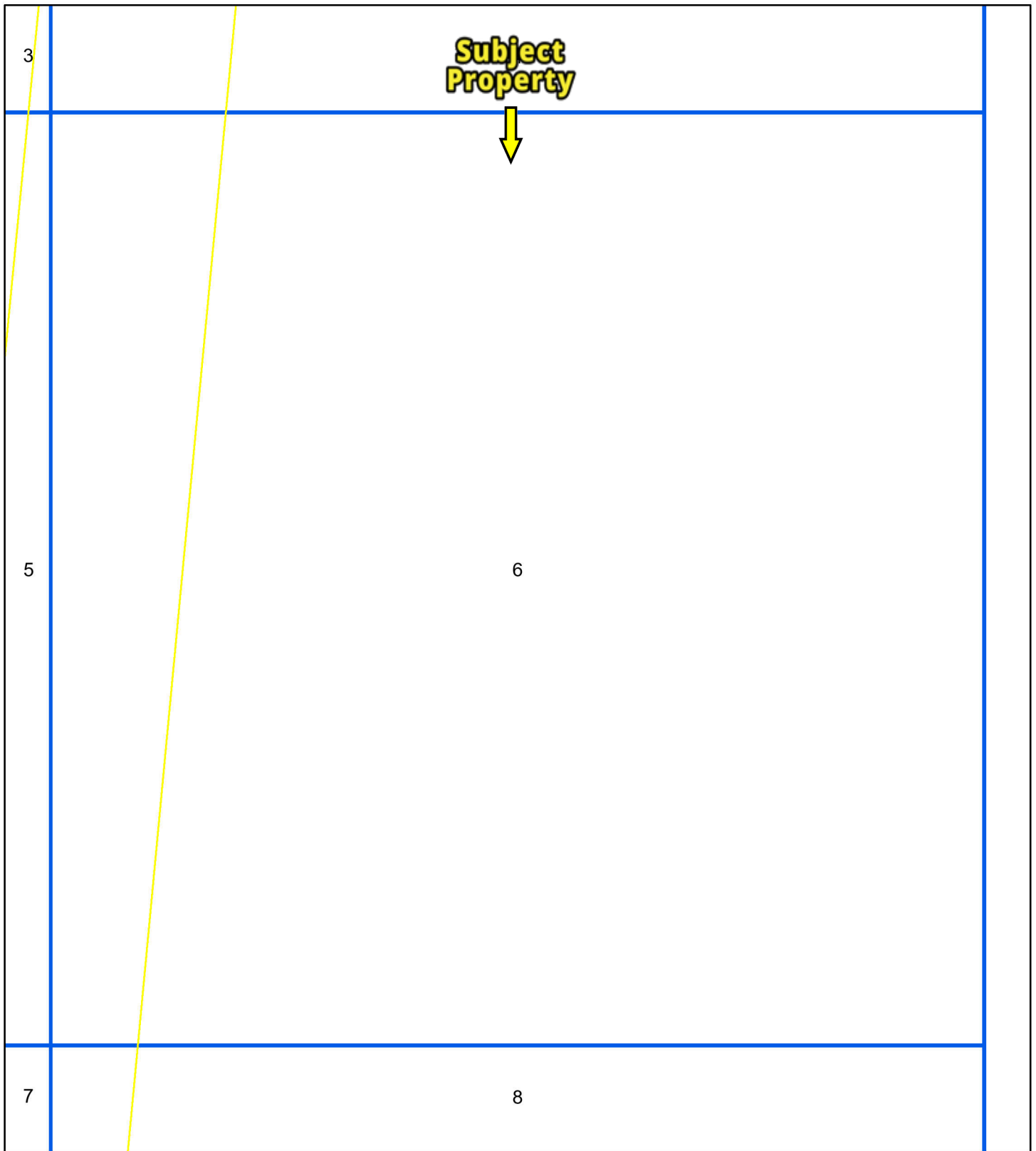


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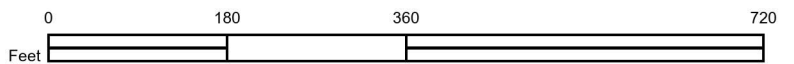
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506

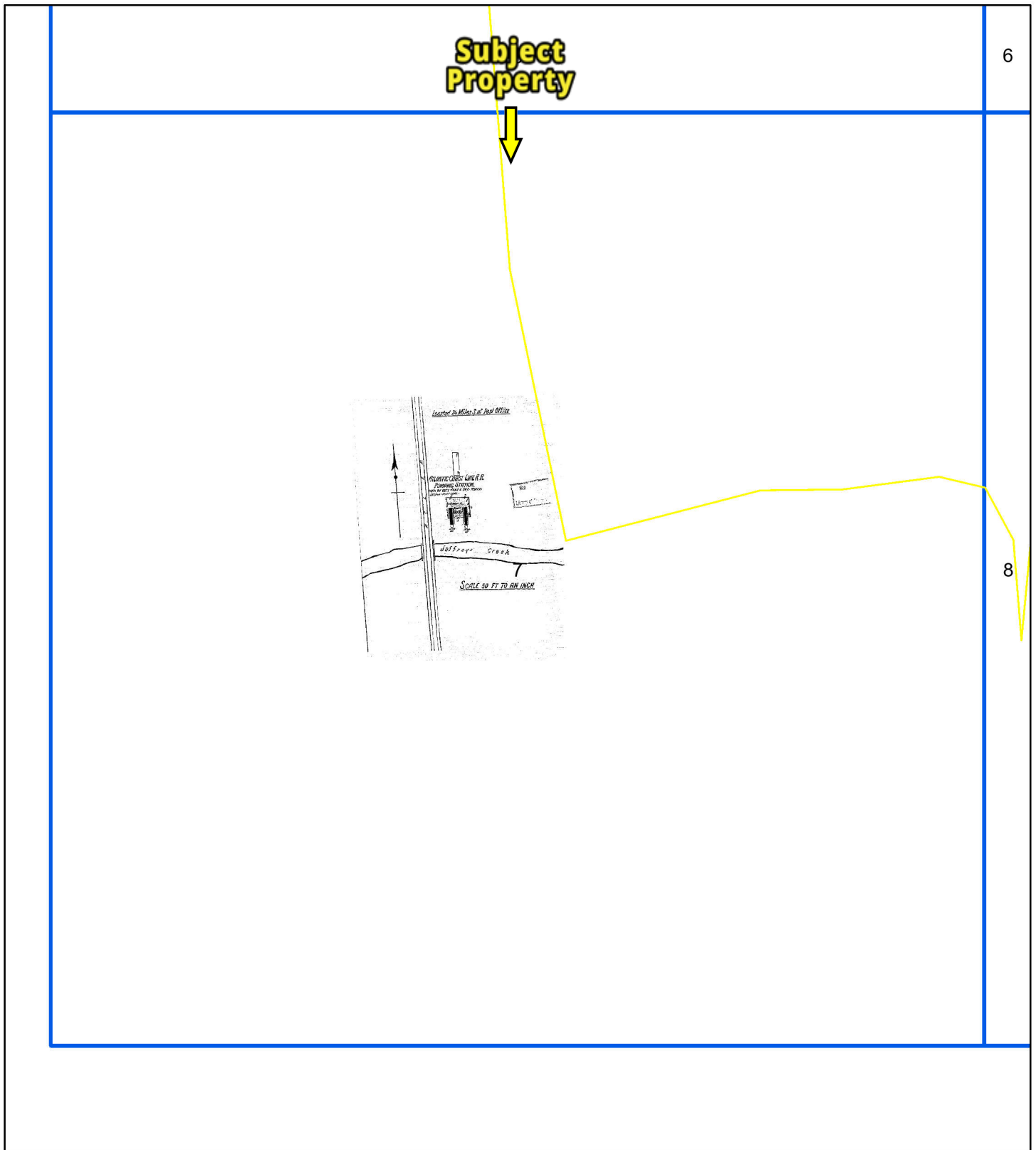


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Order Number 25061100519

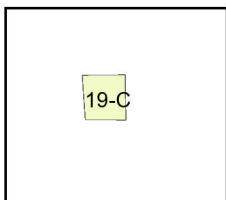
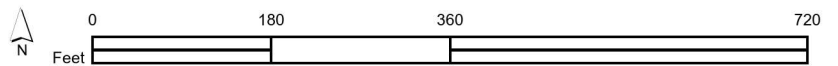
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506

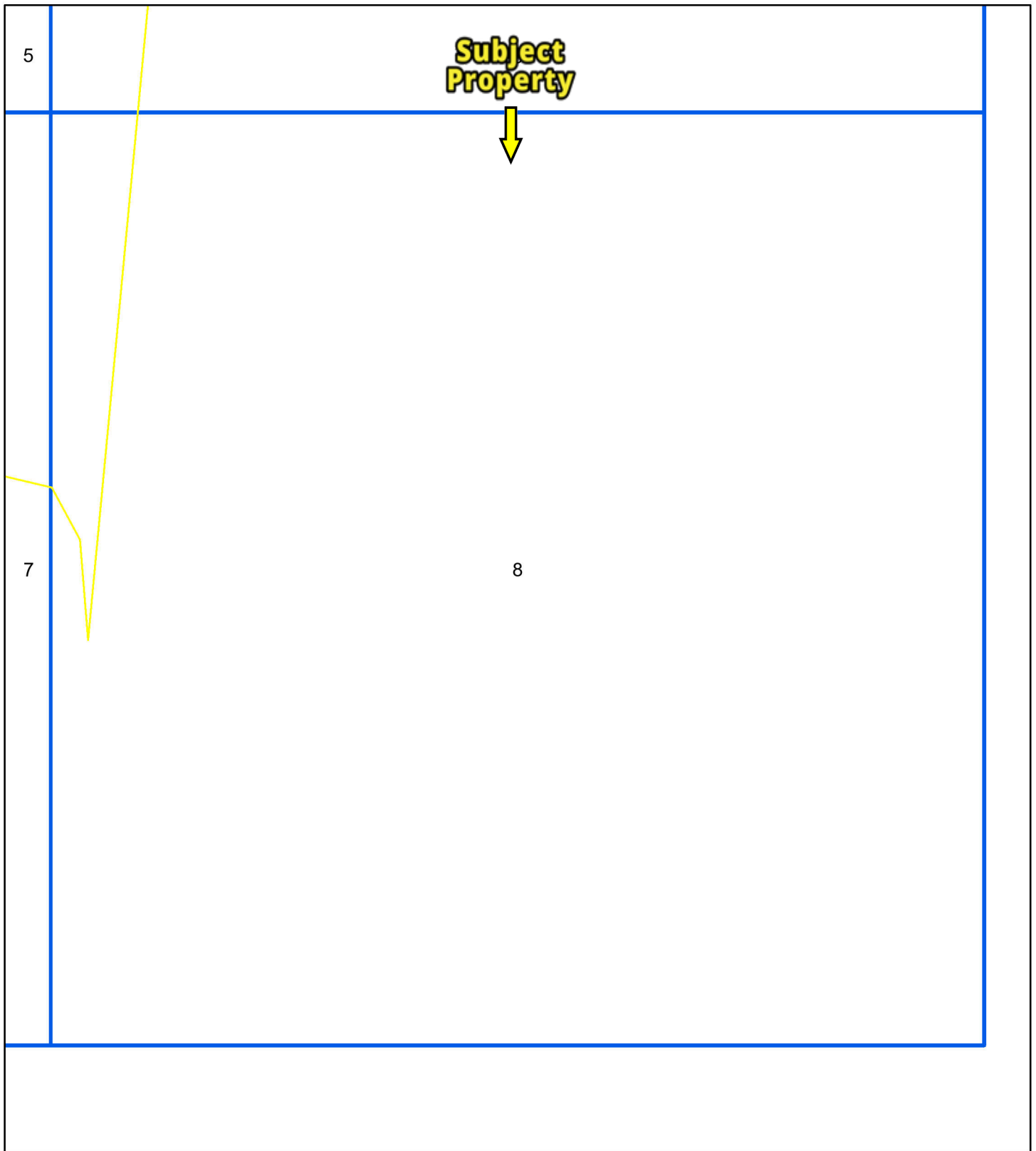


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Volume NA: 19;

Order Number 25061100519

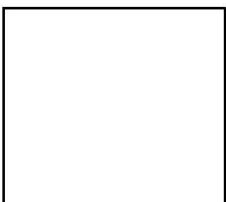
PARTNER

Fire Insurance Map



1918

Address: 1117 June Lane FLORENCE SC 29506



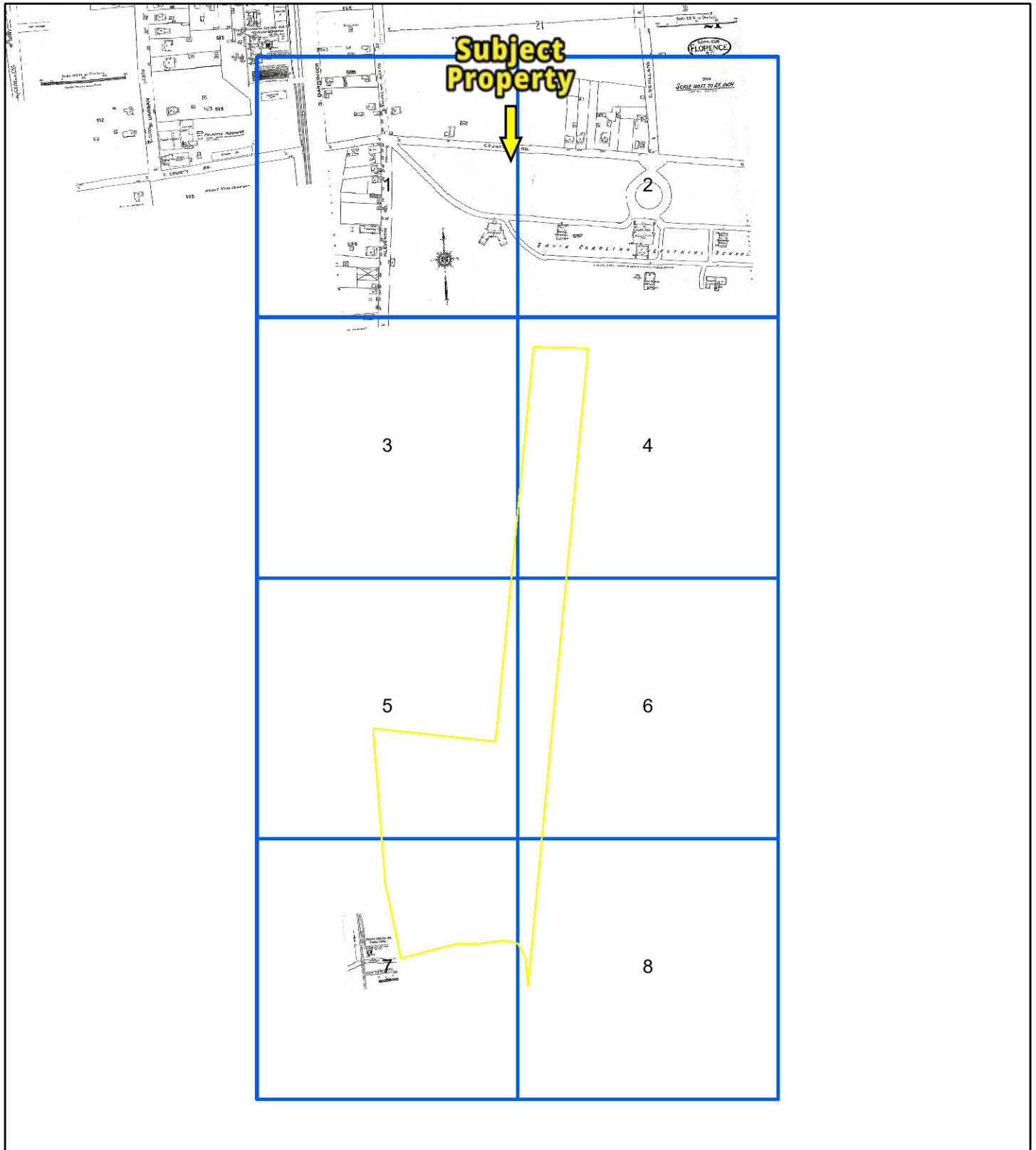
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Order Number 25061100519

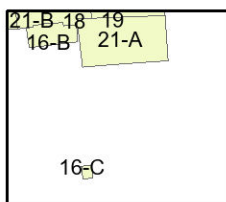
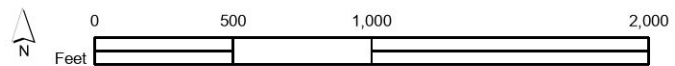
PARTNER

Fire Insurance Map



1924

Address: 1117 June Lane FLORENCE SC 29506

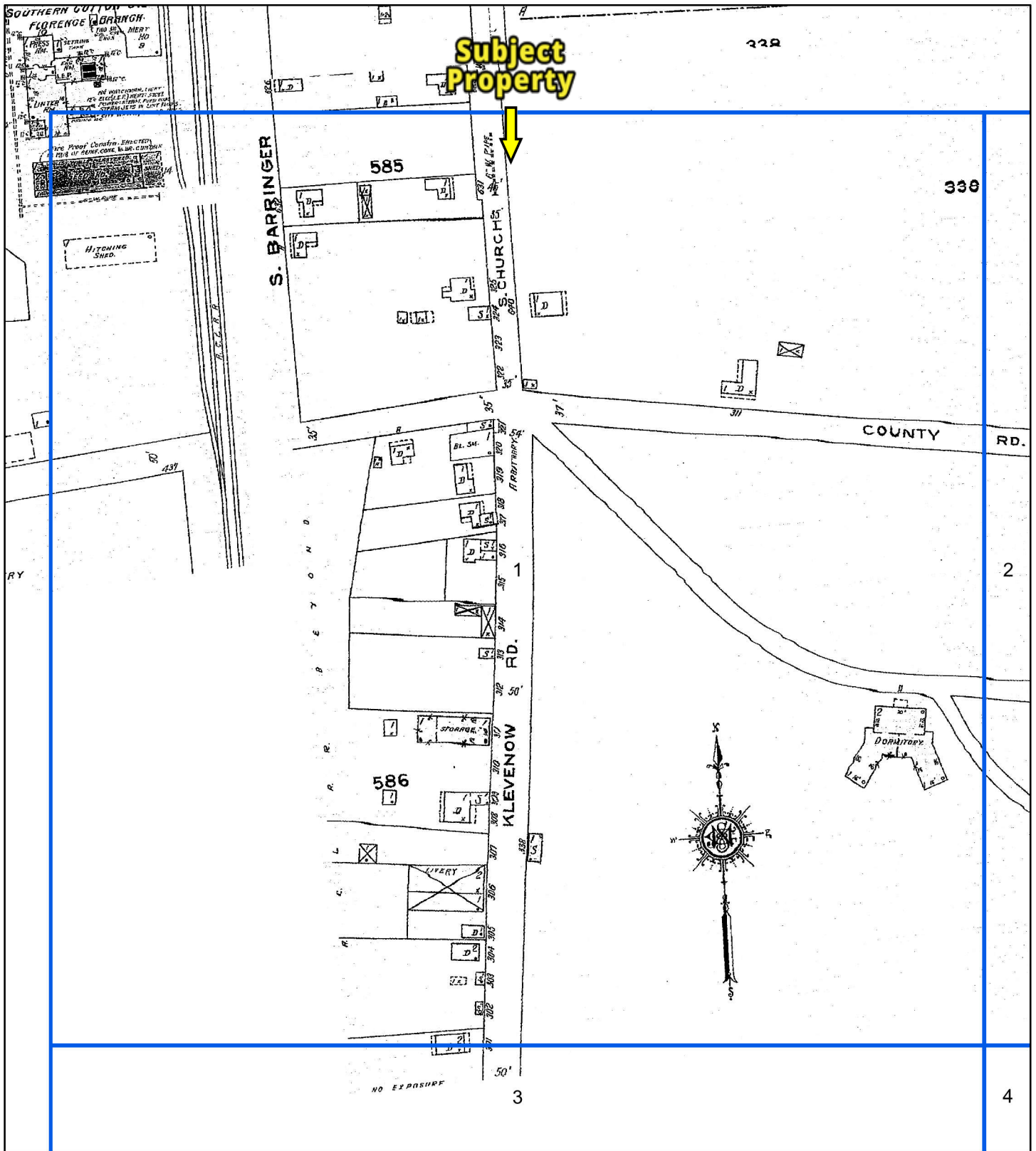


Map sheet(s):
Volume NA: 16,21;

Order Number 25061100519

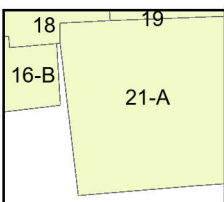
PARTNER

Fire Insurance Map

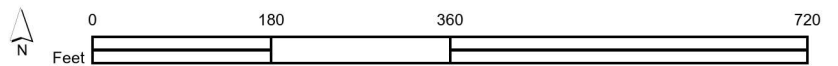


1924

Address: 1117 June Lane FLORENCE SC 29506



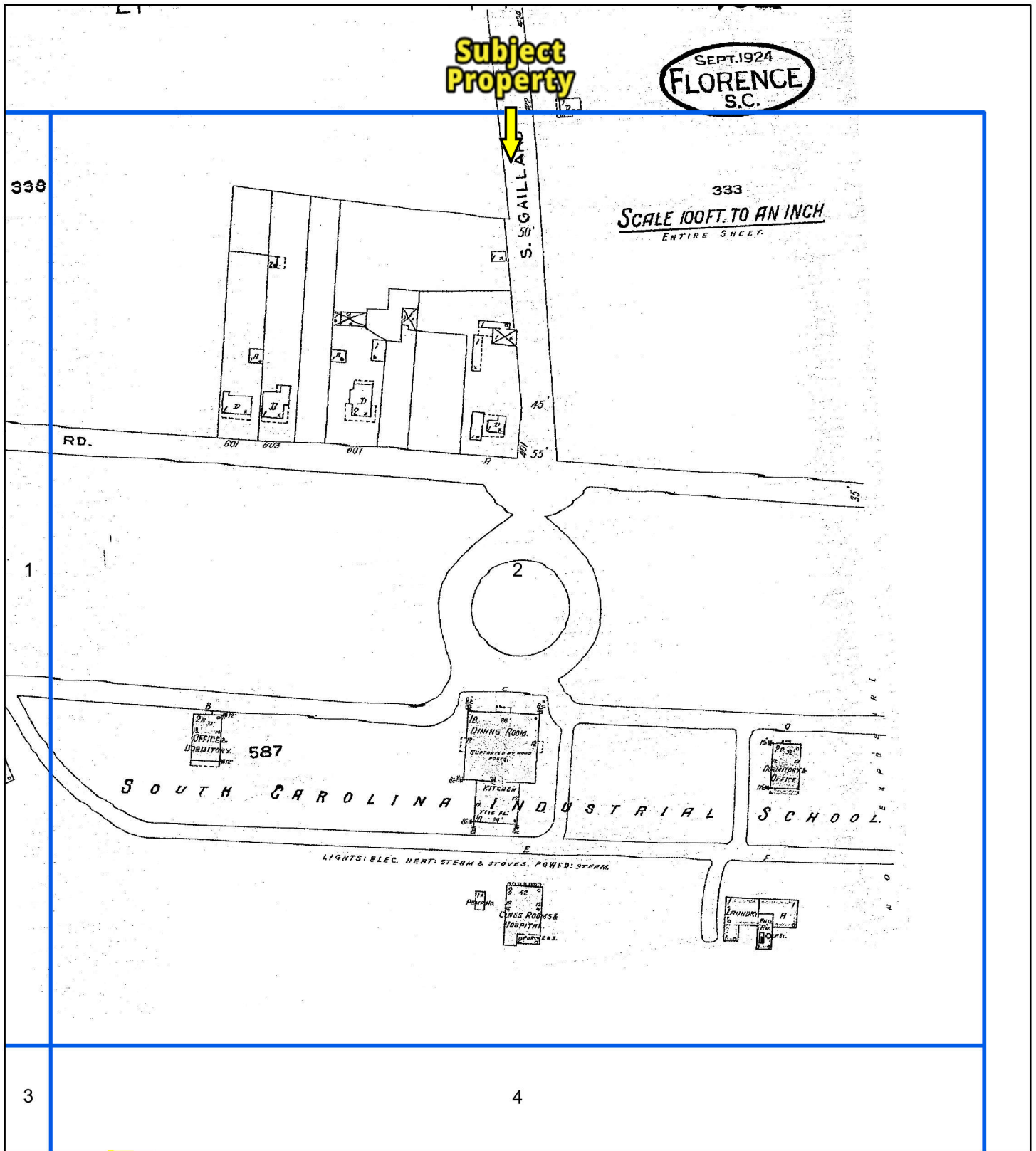
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Order Number 25061100519

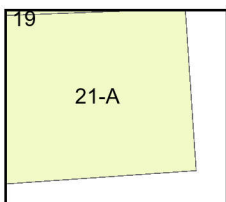
PARTNER

Fire Insurance Map



1924

Address: 1117 June Lane FLORENCE SC 29506

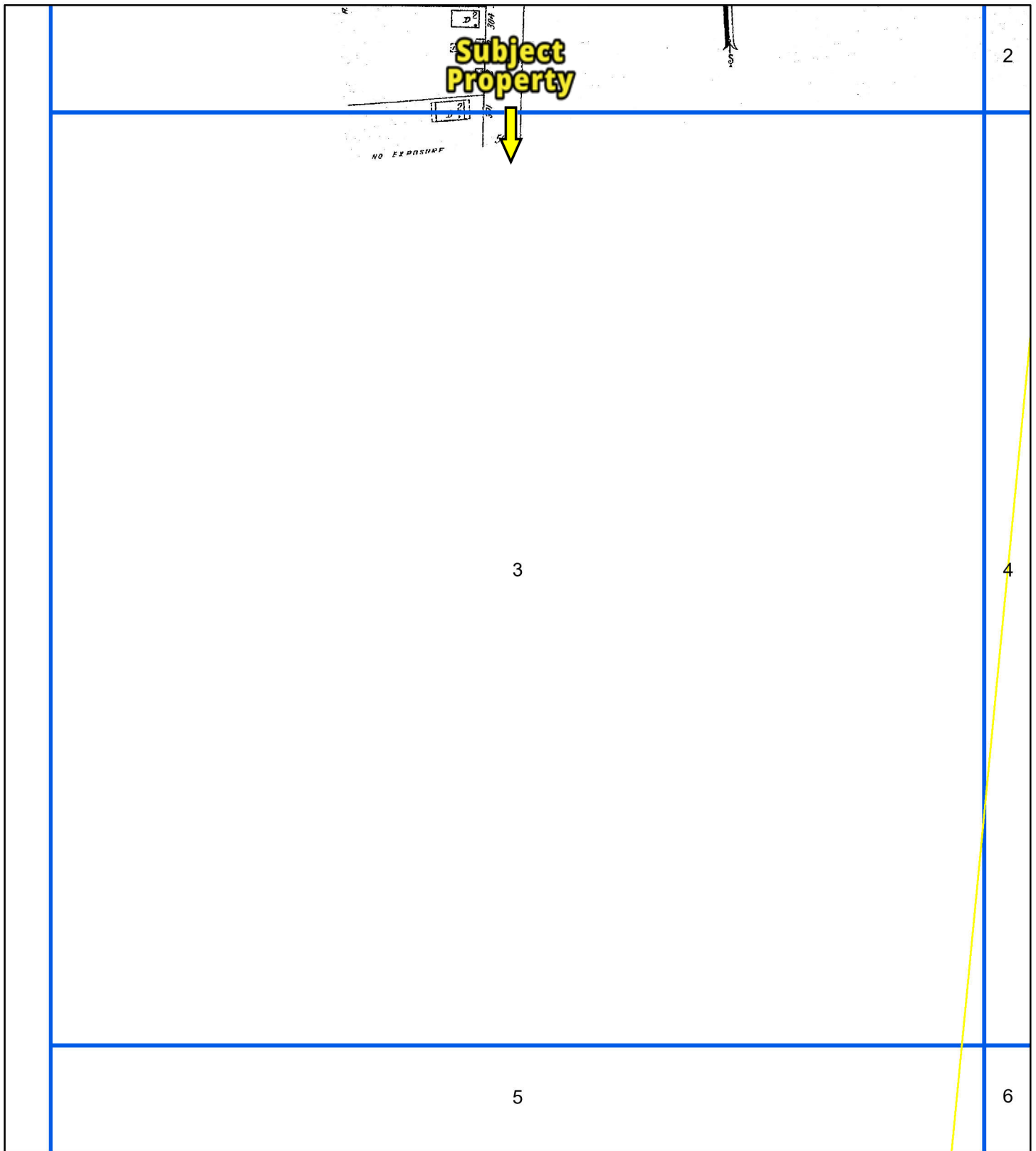


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Volume NA: 16,21;

Order Number 25061100519

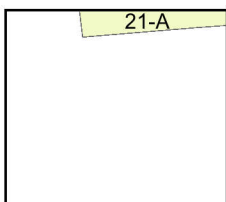
PARTNER

Fire Insurance Map



1924

Address: 1117 June Lane FLORENCE SC 29506



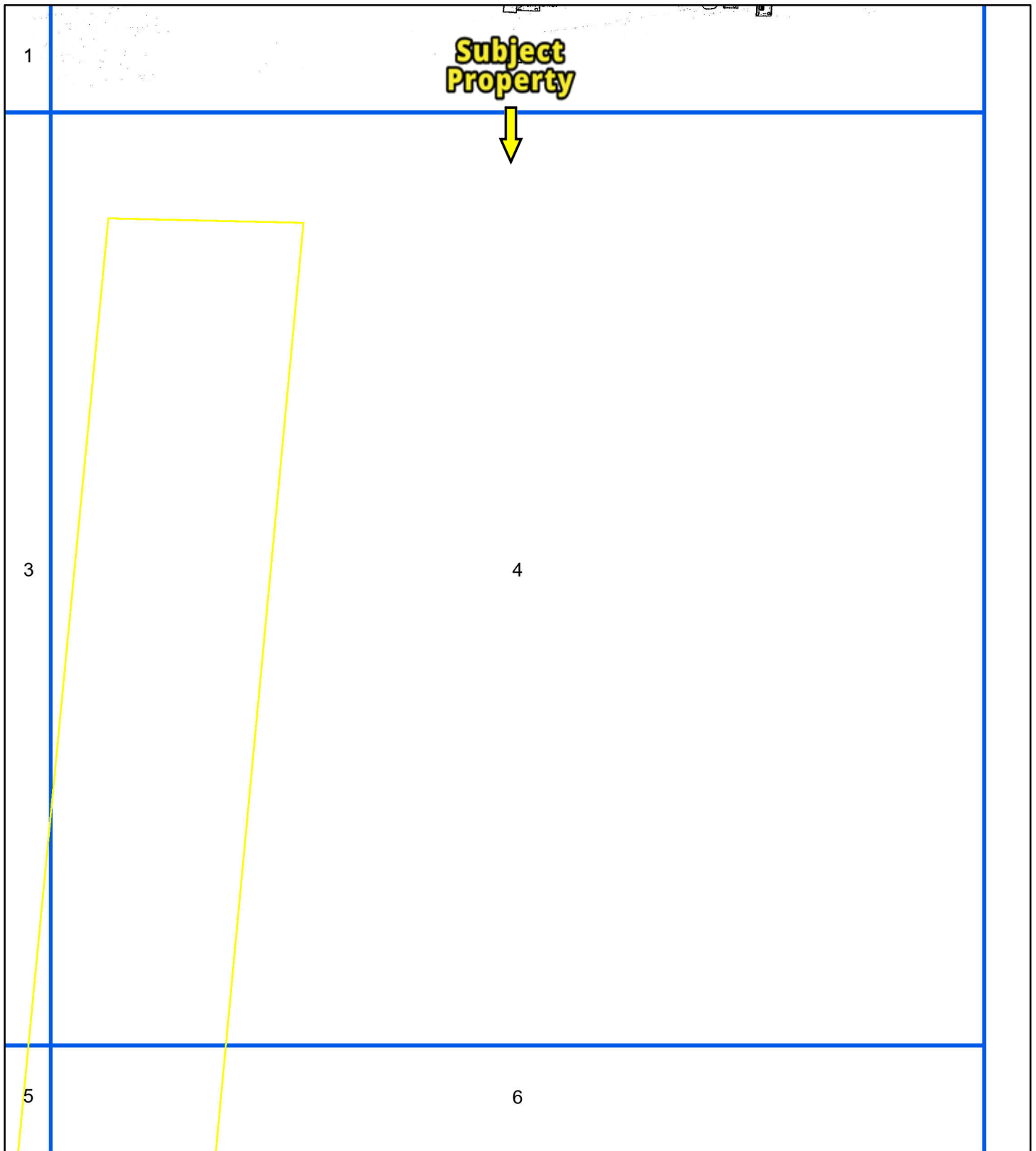
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Order Number 25061100519

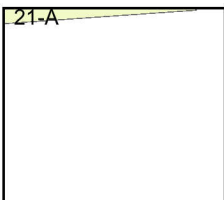
PARTNER

Fire Insurance Map

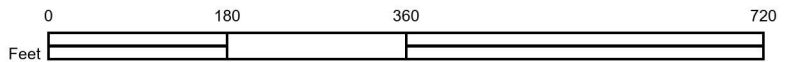


1924

Address: 1117 June Lane FLORENCE SC 29506



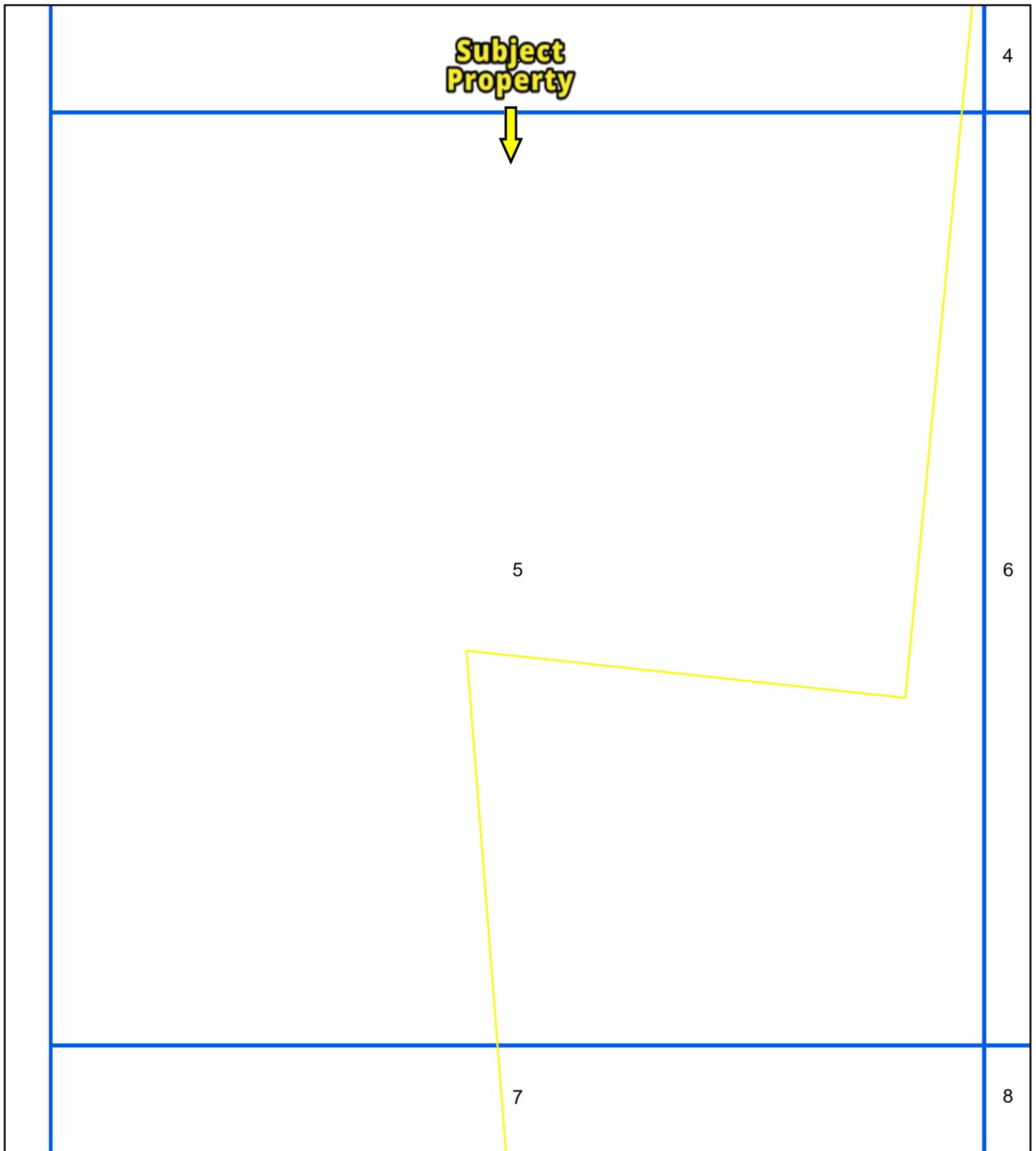
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Order Number 25061100519

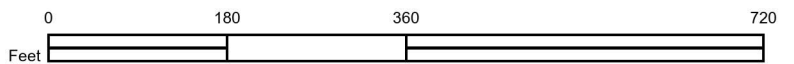
PARTNER

Fire Insurance Map



1924

Address: 1117 June Lane FLORENCE SC 29506

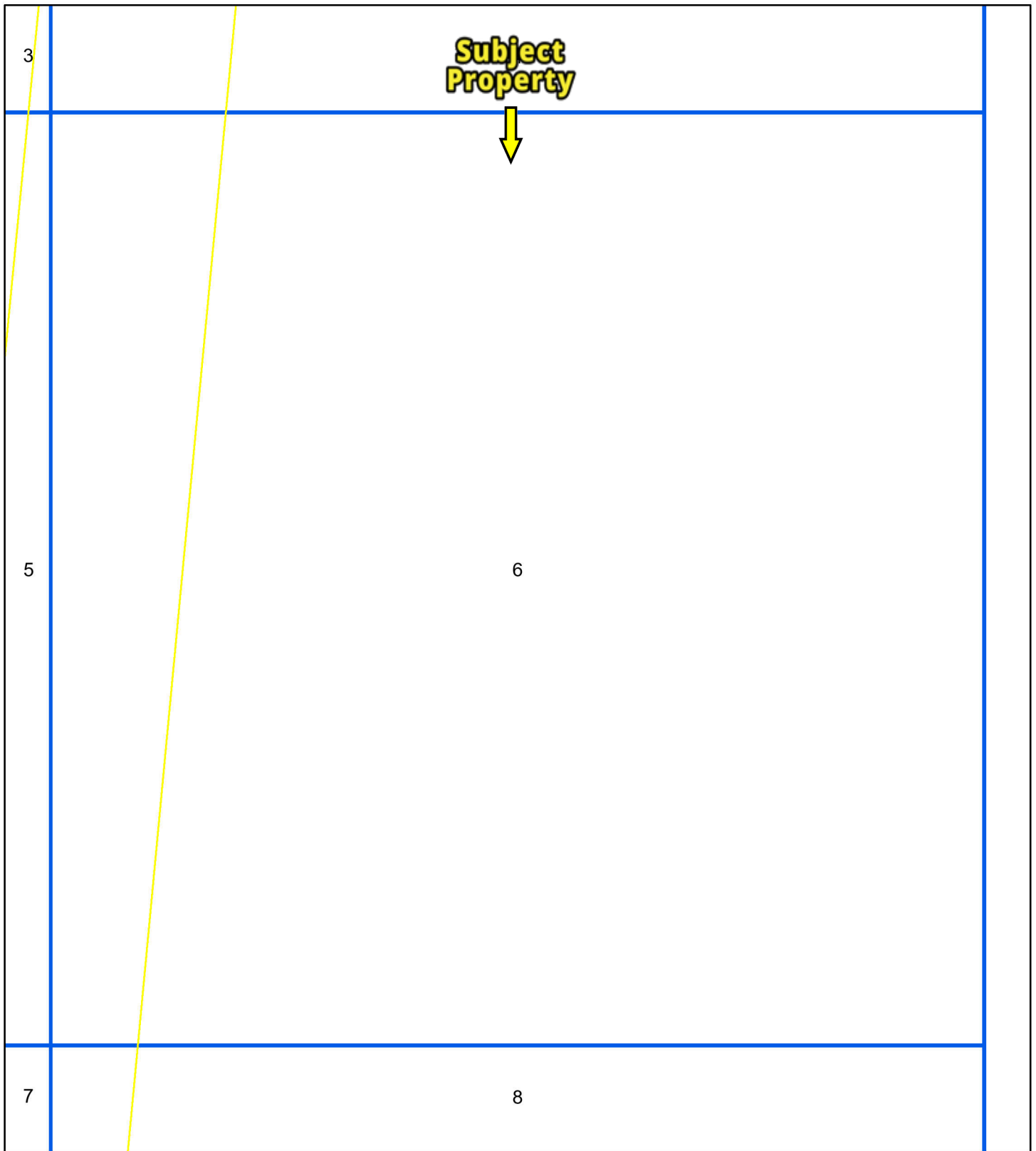


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Order Number 25061100519

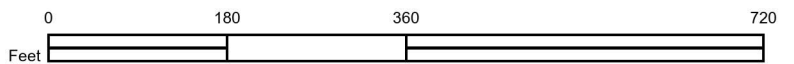
PARTNER

Fire Insurance Map



1924

Address: 1117 June Lane FLORENCE SC 29506

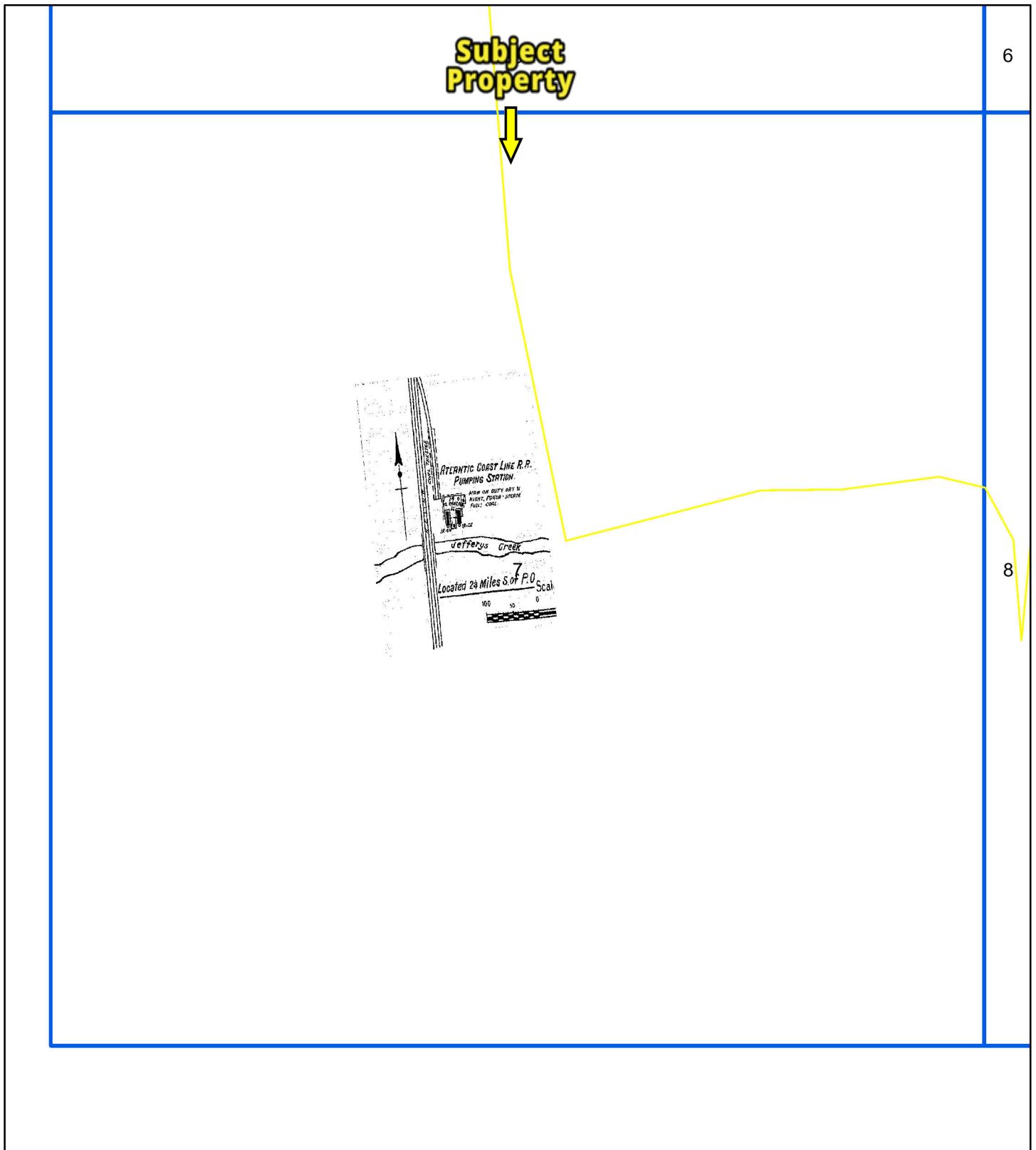


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Order Number 25061100519

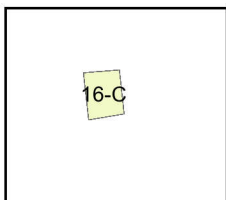
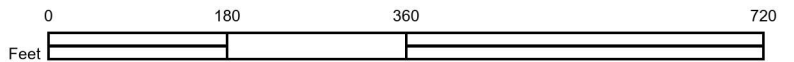
PARTNER

Fire Insurance Map



1924

Address: 1117 June Lane FLORENCE SC 29506

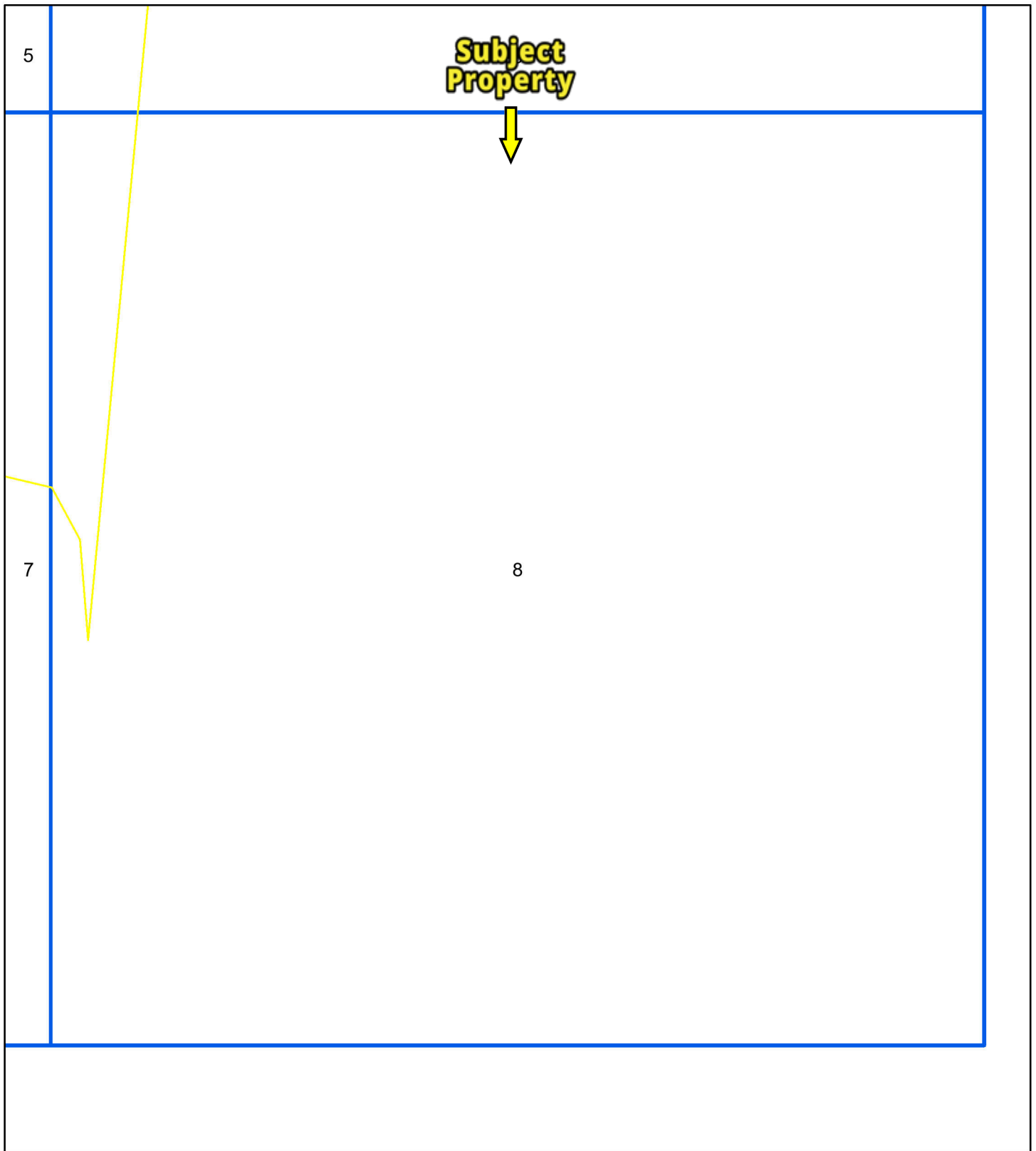


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Order Number 25061100519

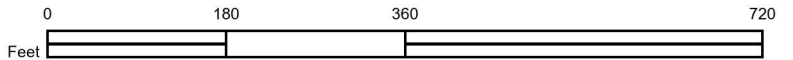
PARTNER

Fire Insurance Map



1924

Address: 1117 June Lane FLORENCE SC 29506

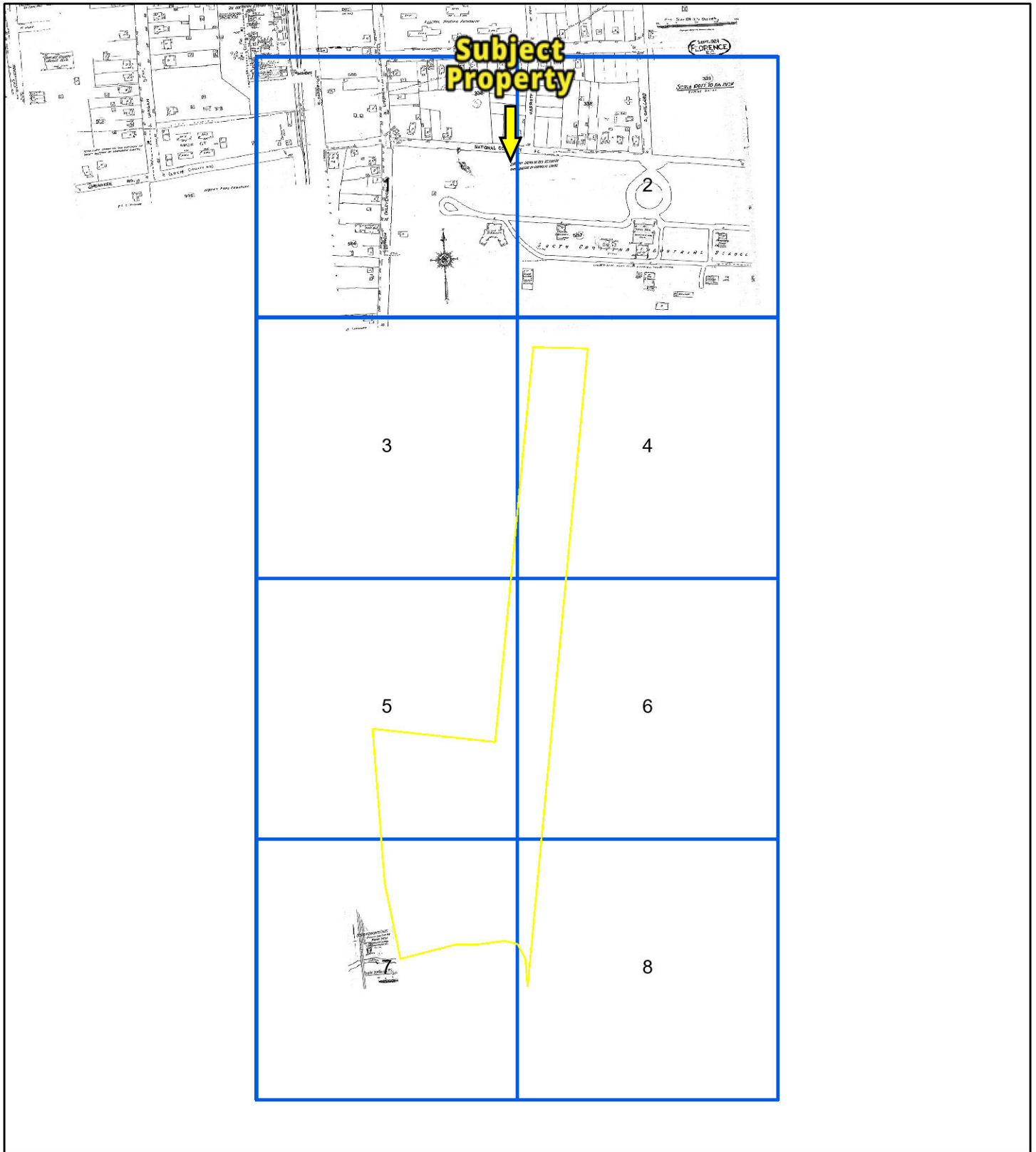


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Volume NA: 16,21;

Order Number 25061100519

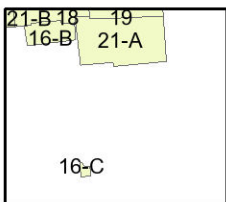
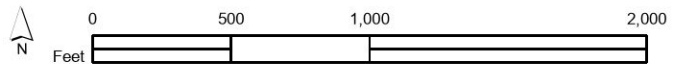
PARTNER

Fire Insurance Map



1947

Address: 1117 June Lane FLORENCE SC 29506

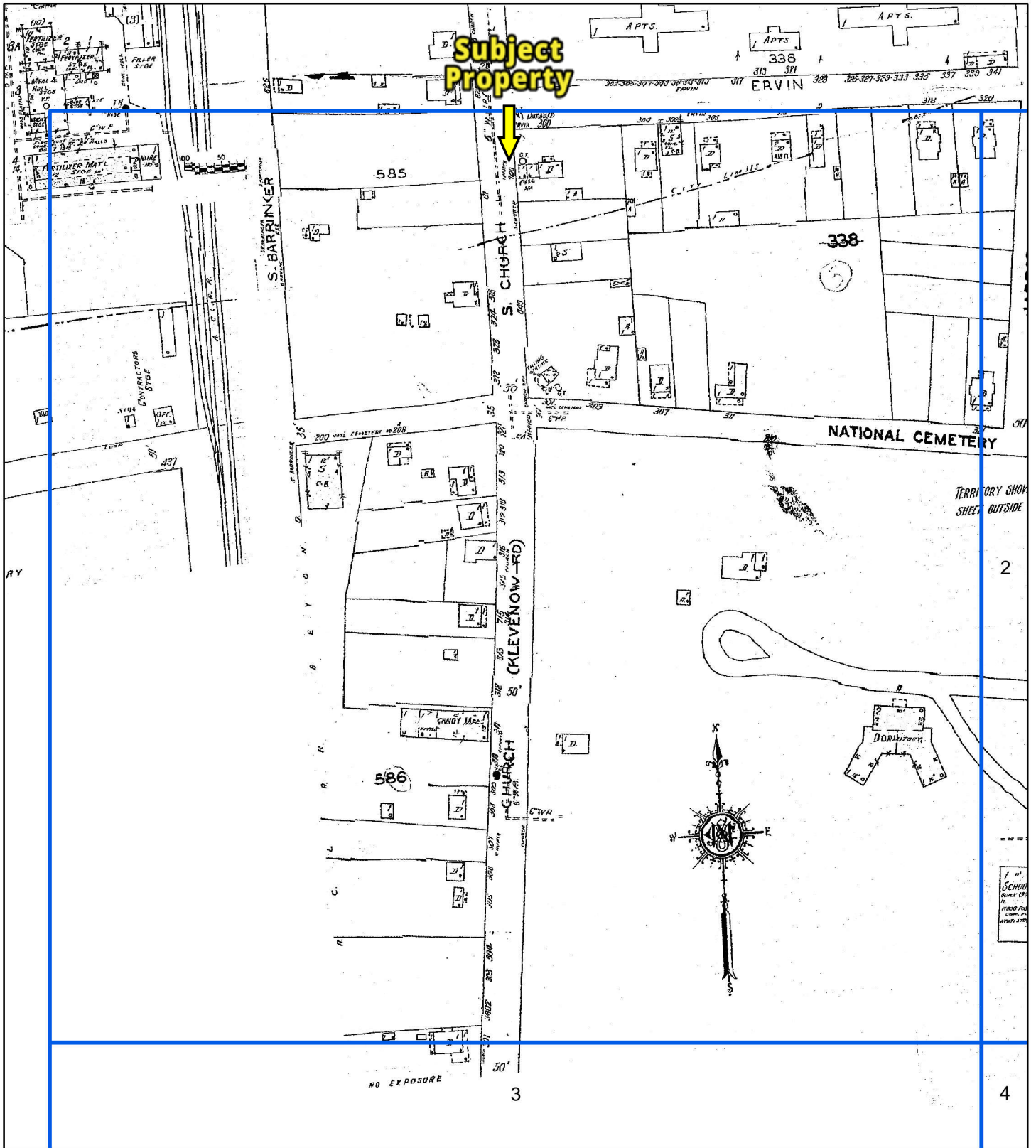


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Volume NA: 16,21;

Order Number 25061100519

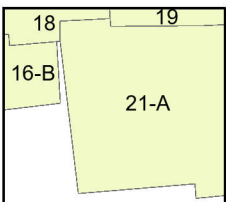
PARTNER

Fire Insurance Map



1947

Address: 1117 June Lane FLORENCE SC 29506

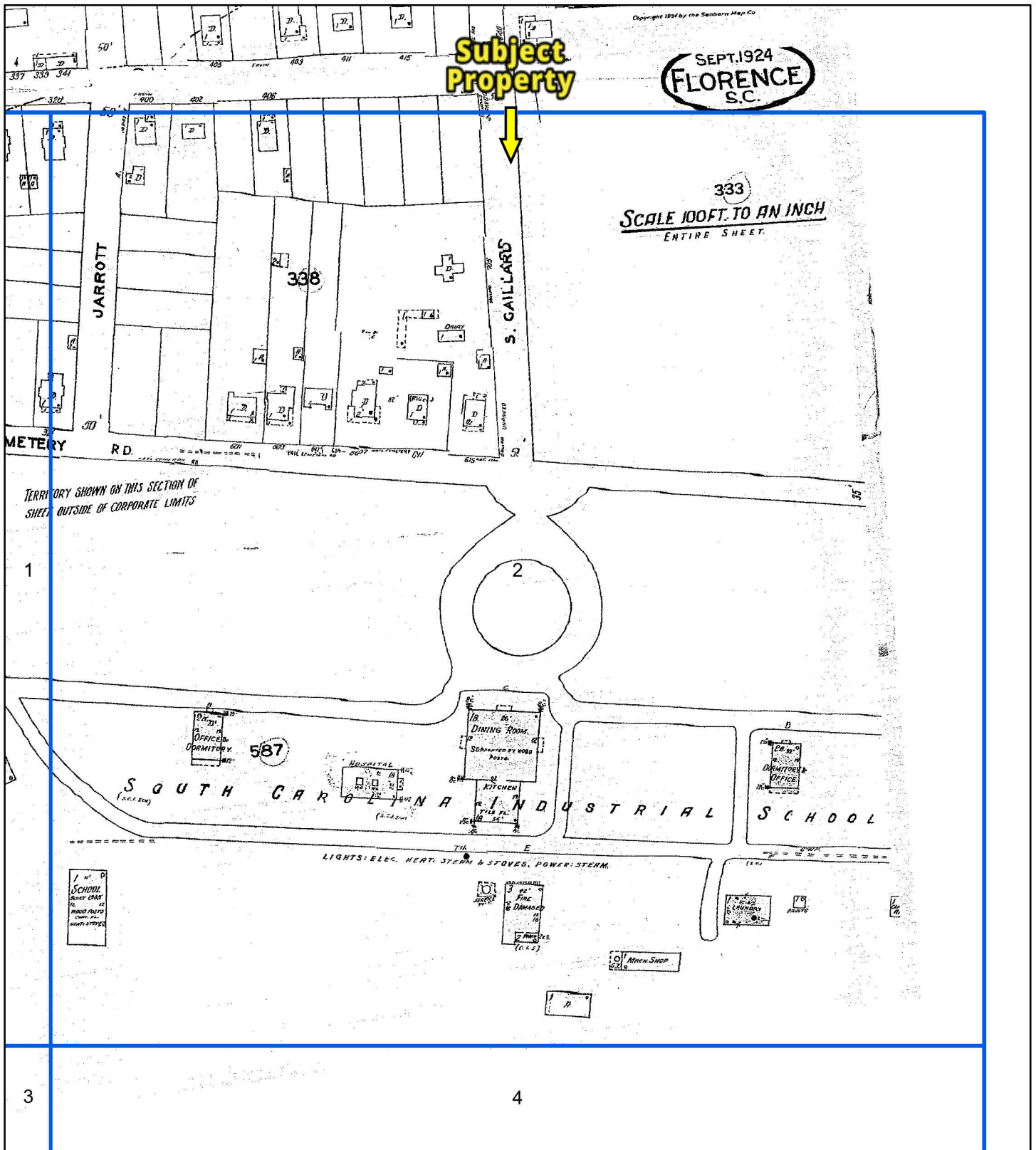


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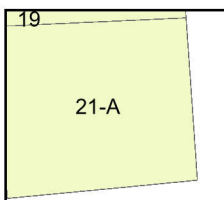
PARTNER

Fire Insurance Map

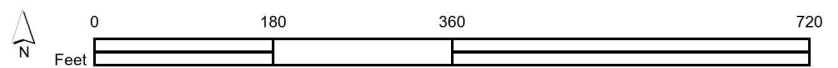


1947

Address: 1117 June Lane FLORENCE SC 29506



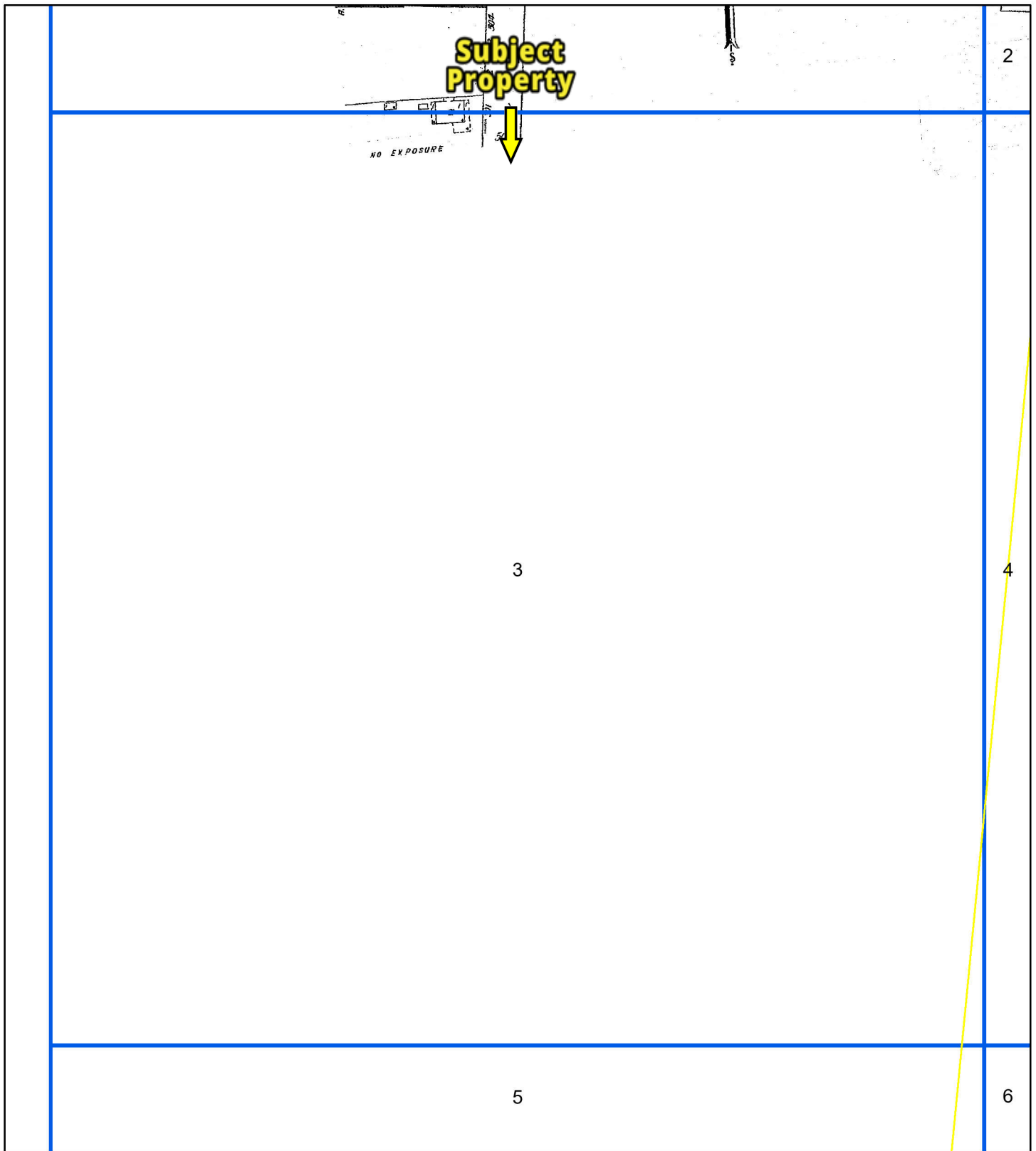
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Order Number 25061100519

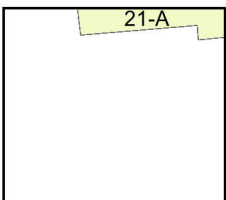
PARTNER

Fire Insurance Map

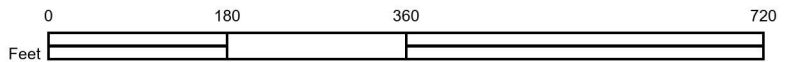


1947

Address: 1117 June Lane FLORENCE SC 29506



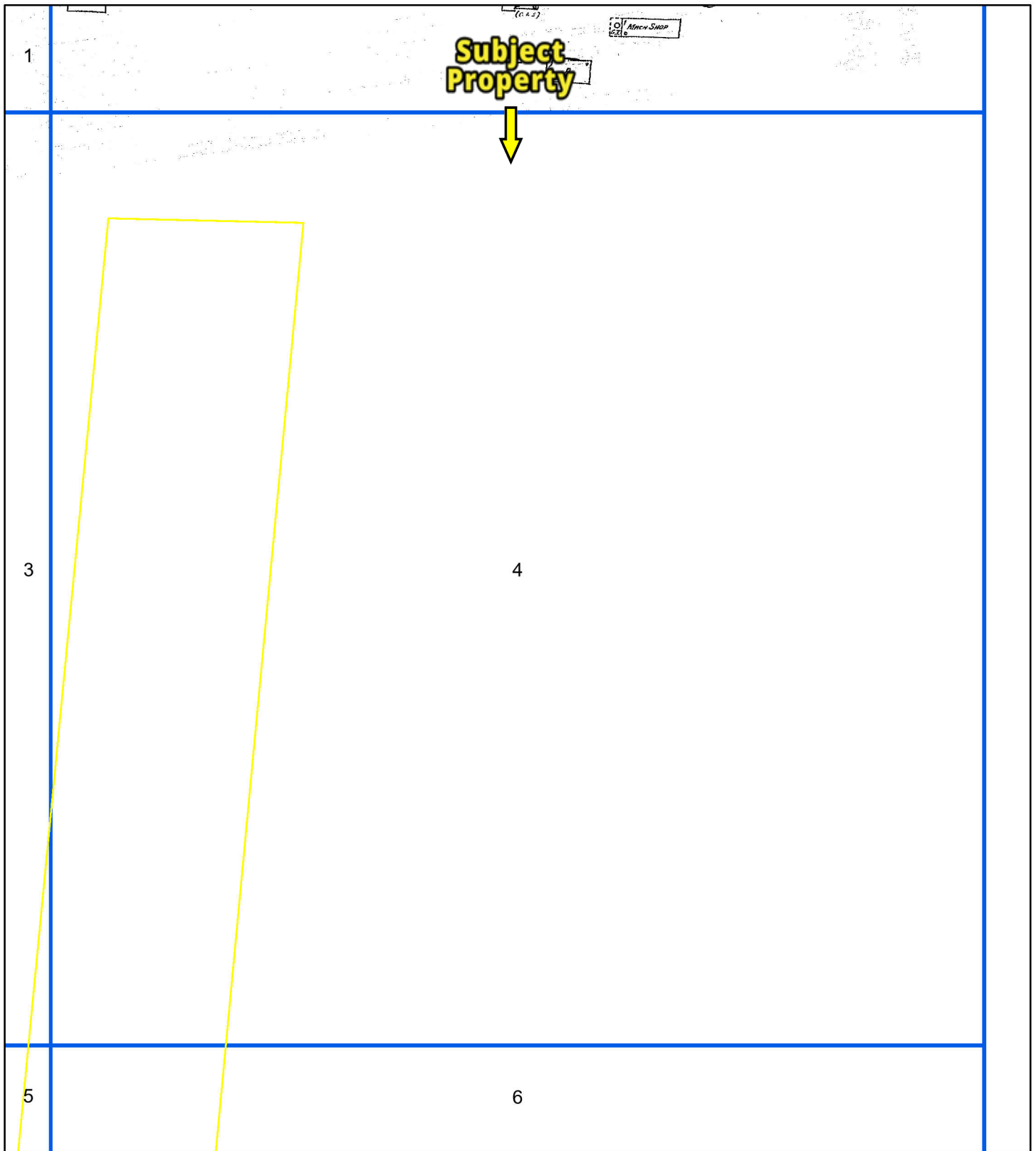
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Order Number 25061100519

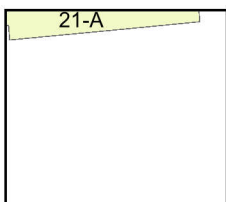
PARTNER

Fire Insurance Map



1947

Address: 1117 June Lane FLORENCE SC 29506

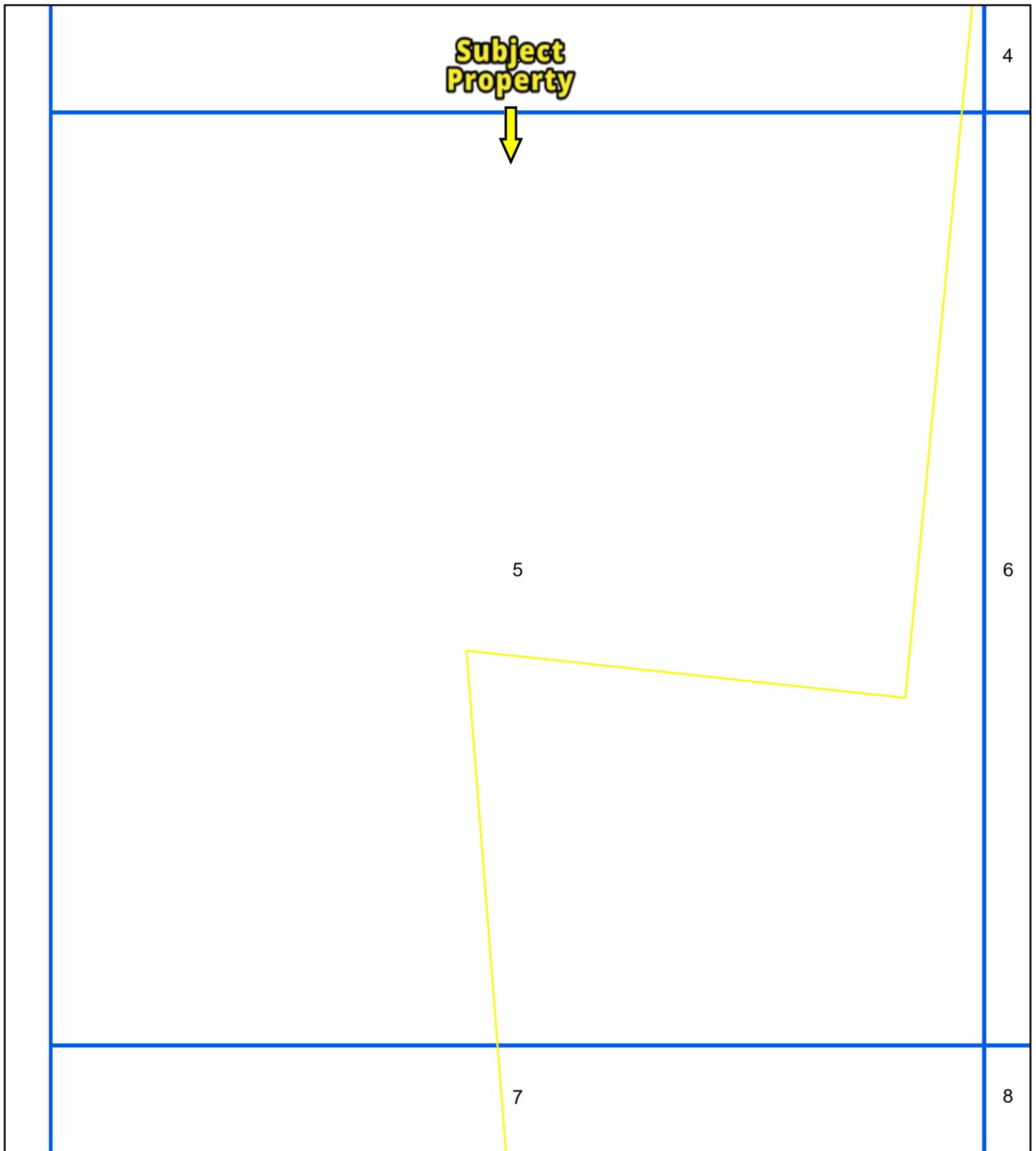


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Order Number 25061100519

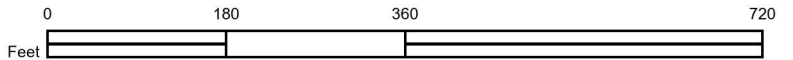
PARTNER

Fire Insurance Map



1947

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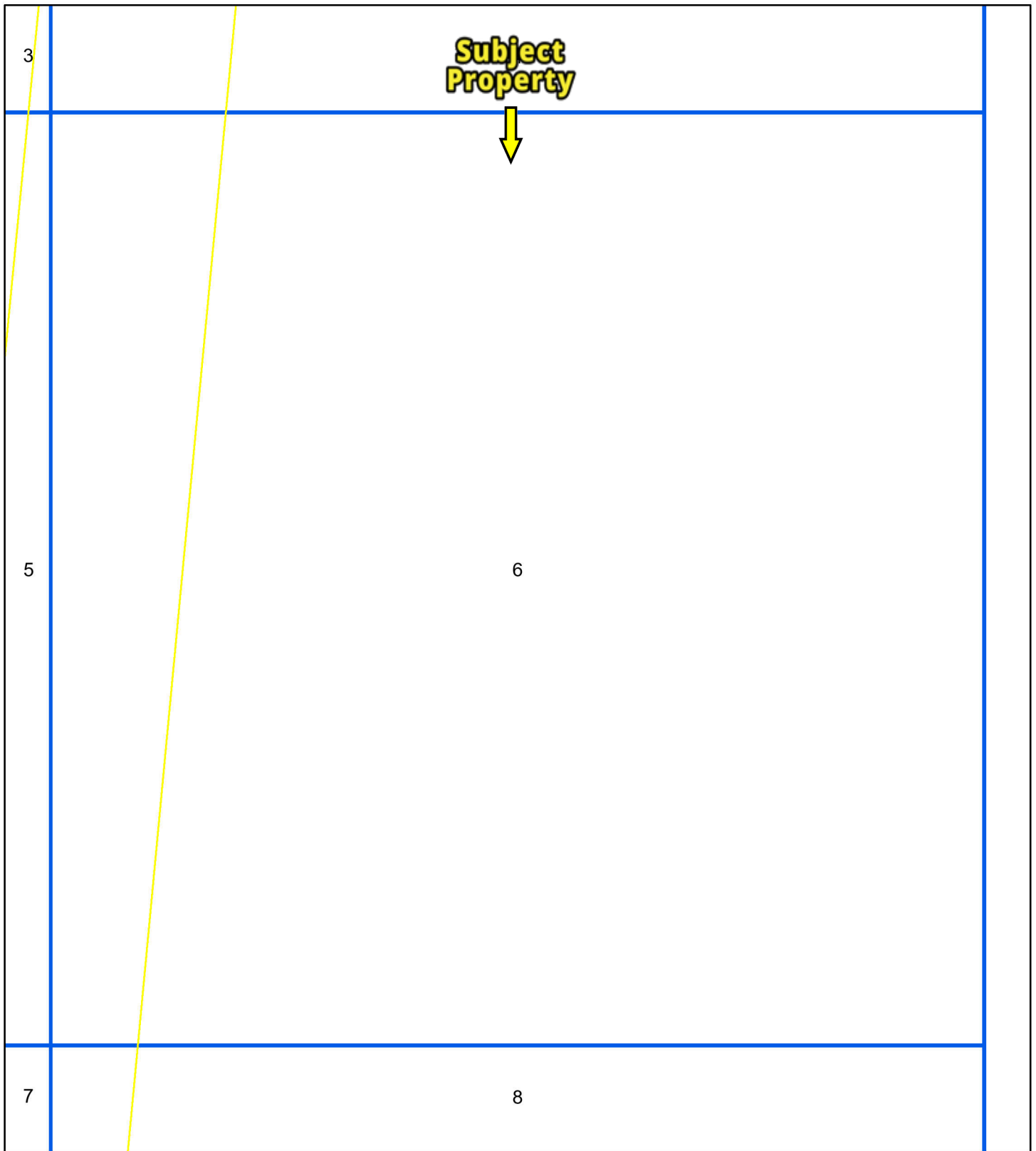


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Order Number 25061100519

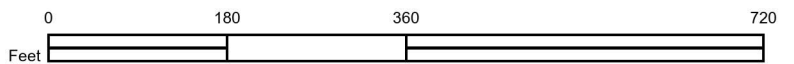
PARTNER

Fire Insurance Map



1947

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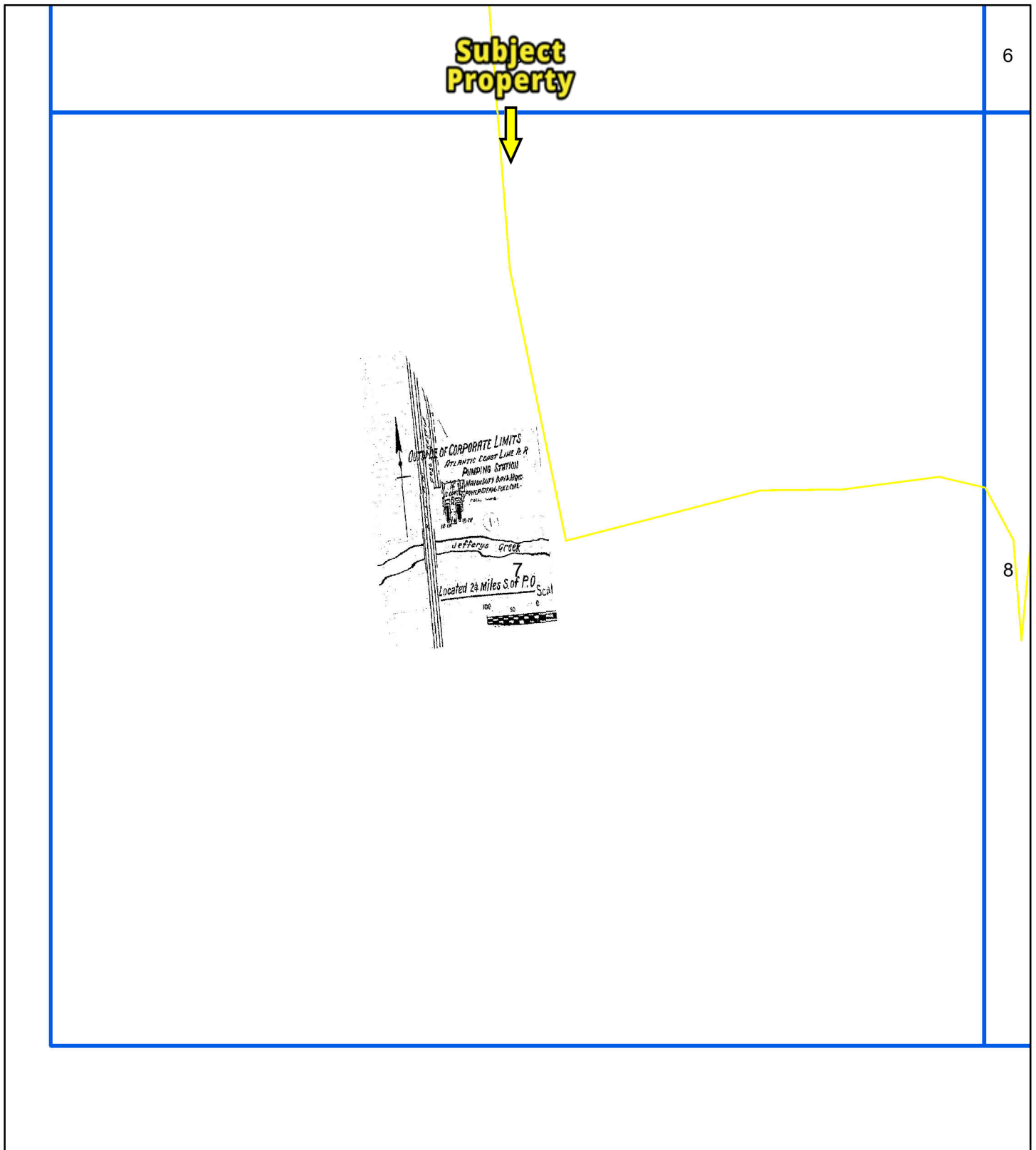


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Order Number 25061100519

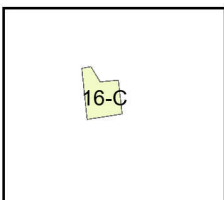
PARTNER

Fire Insurance Map

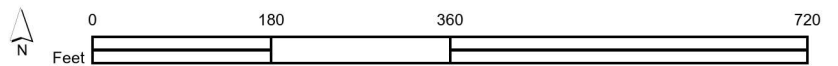


1947

Address: 1117 June Lane FLORENCE SC 29506



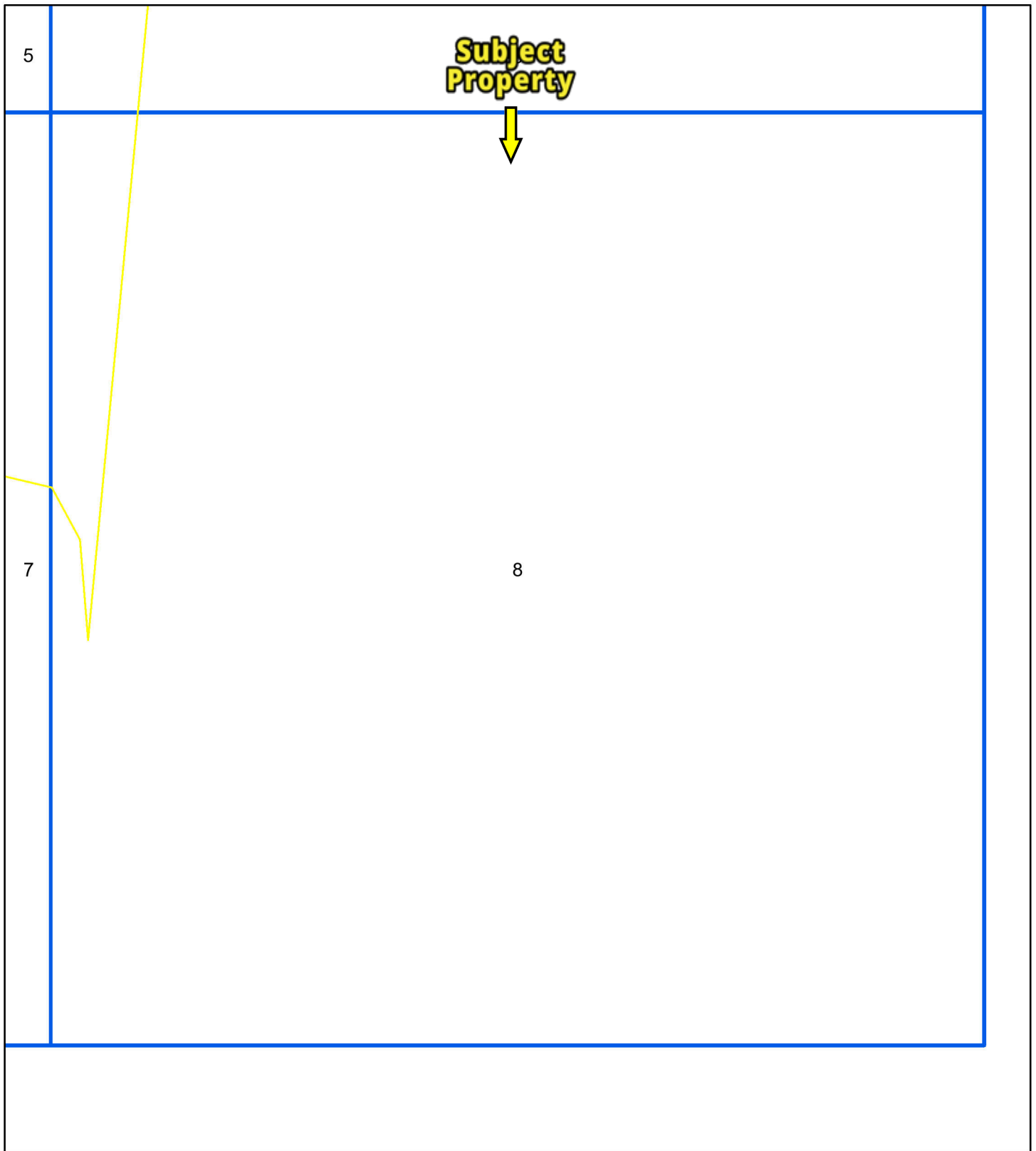
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Order Number 25061100519

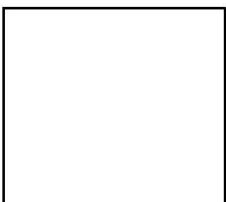
PARTNER

Fire Insurance Map

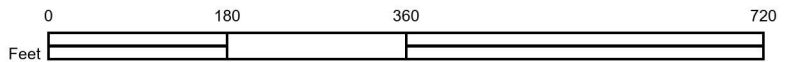


1947

Address: 1117 June Lane FLORENCE SC 29506



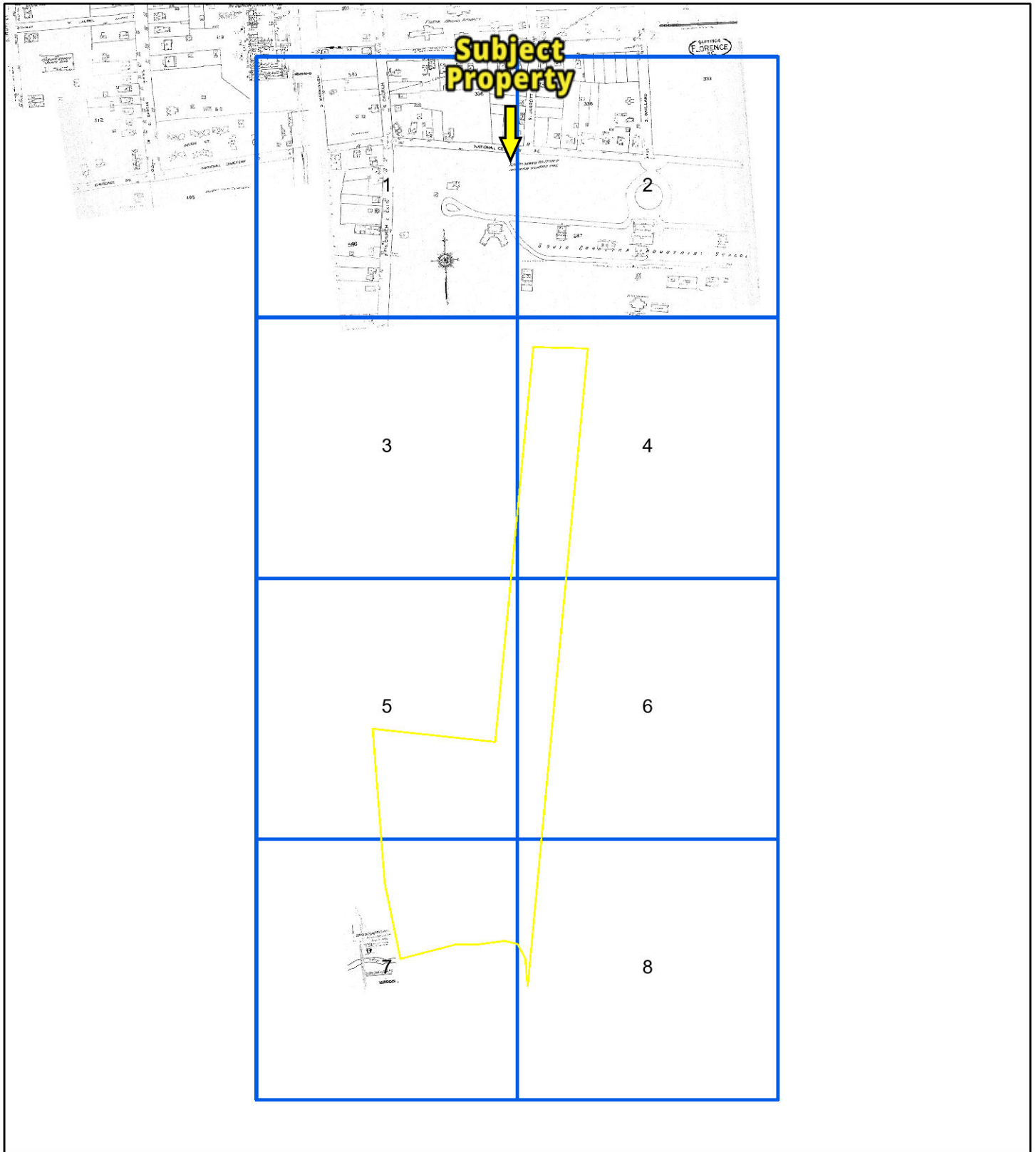
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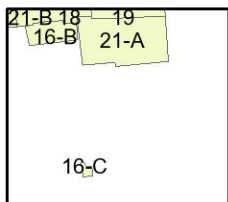
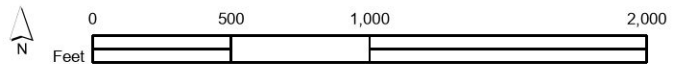
PARTNER

Fire Insurance Map



1952

Address: 1117 June Lane FLORENCE SC 29506

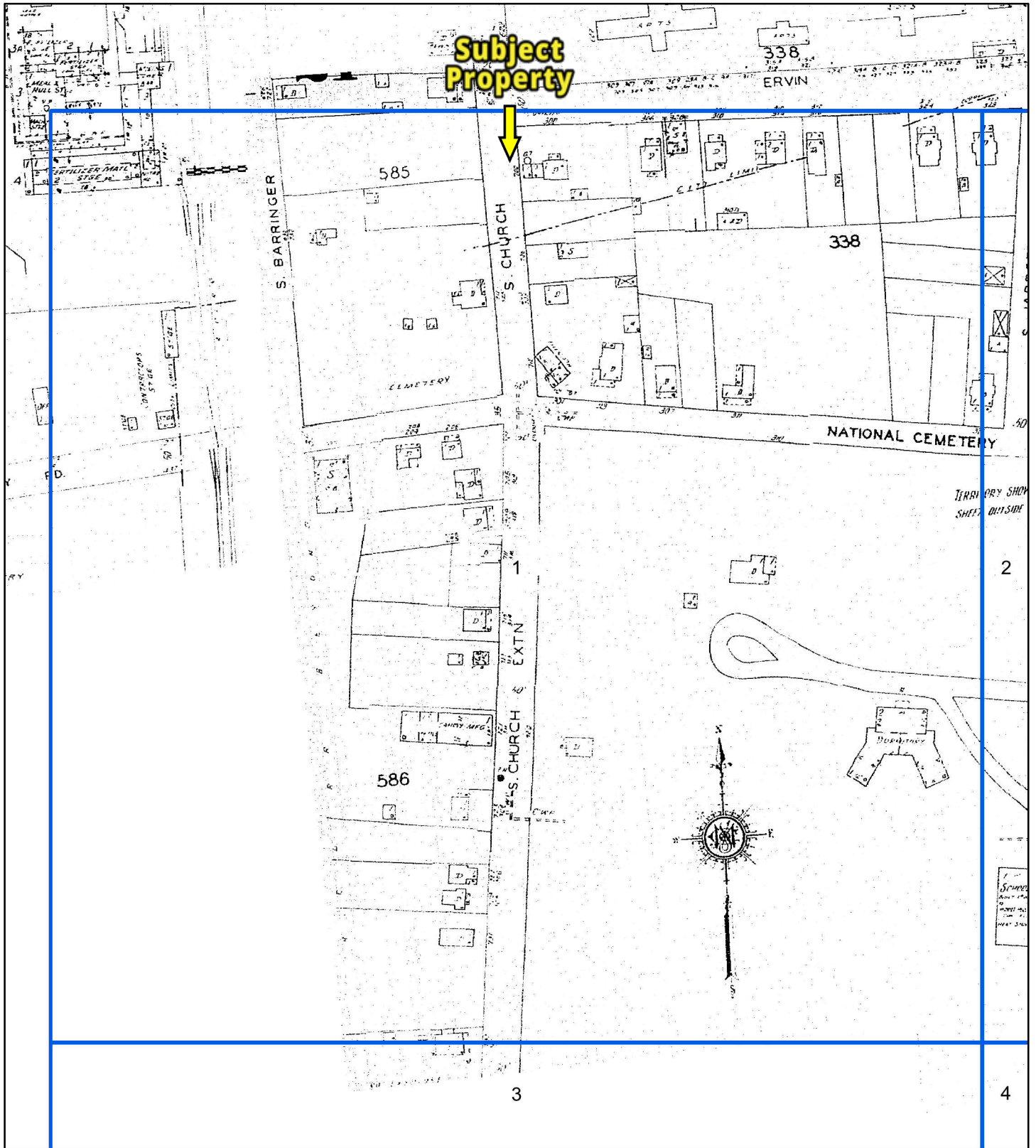


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Order Number 25061100519

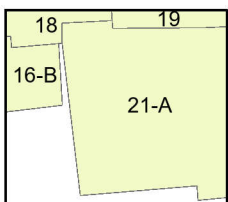
PARTNER

Fire Insurance Map

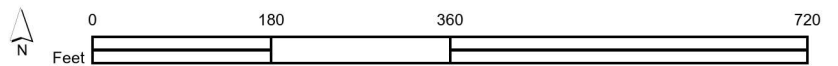


1952

Address: 1117 June Lane FLORENCE SC 29506



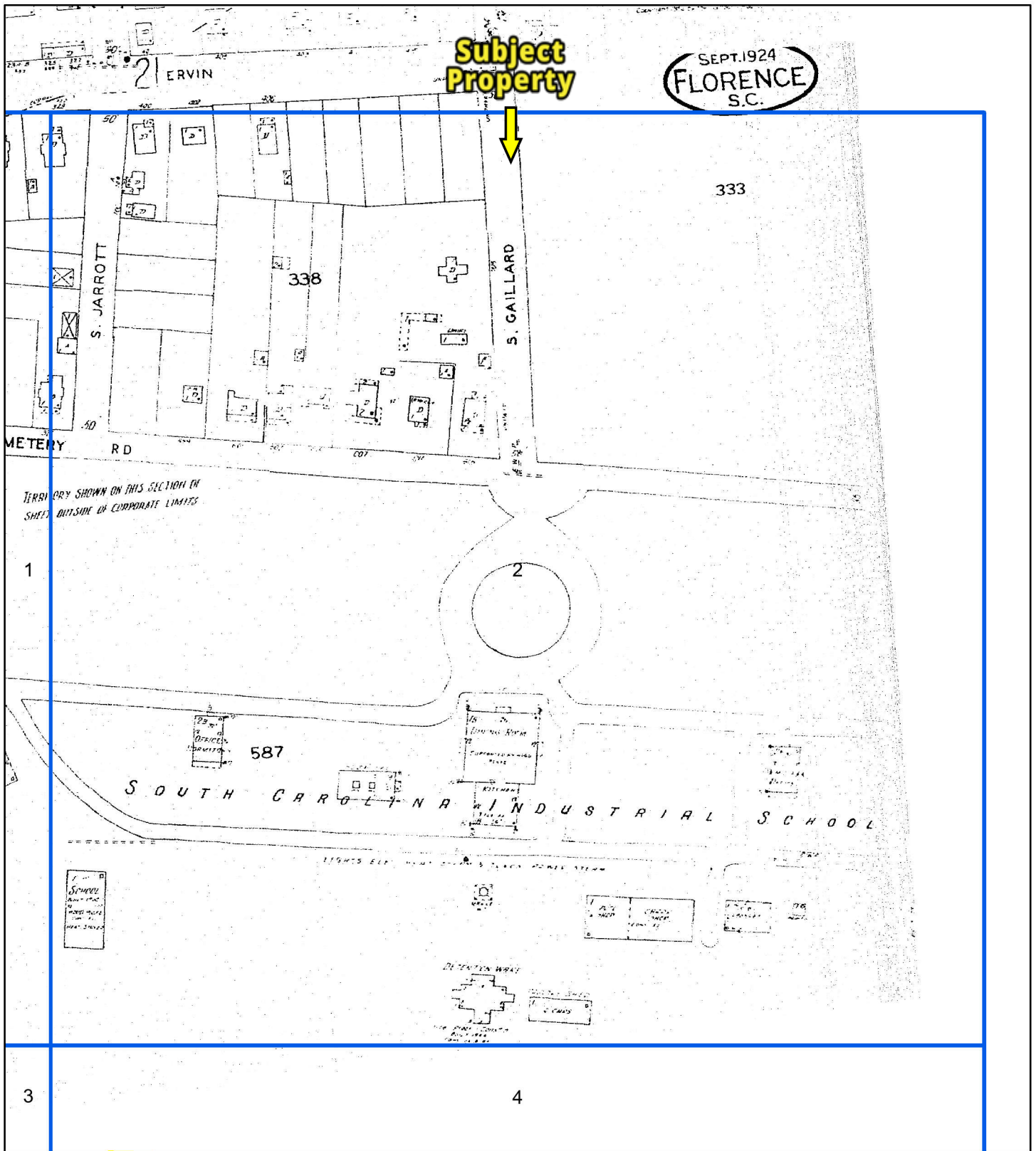
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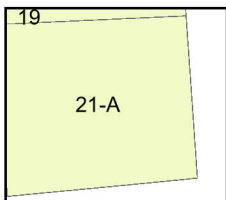
PARTNER

Fire Insurance Map



1952

Address: 1117 June Lane FLORENCE SC 29506

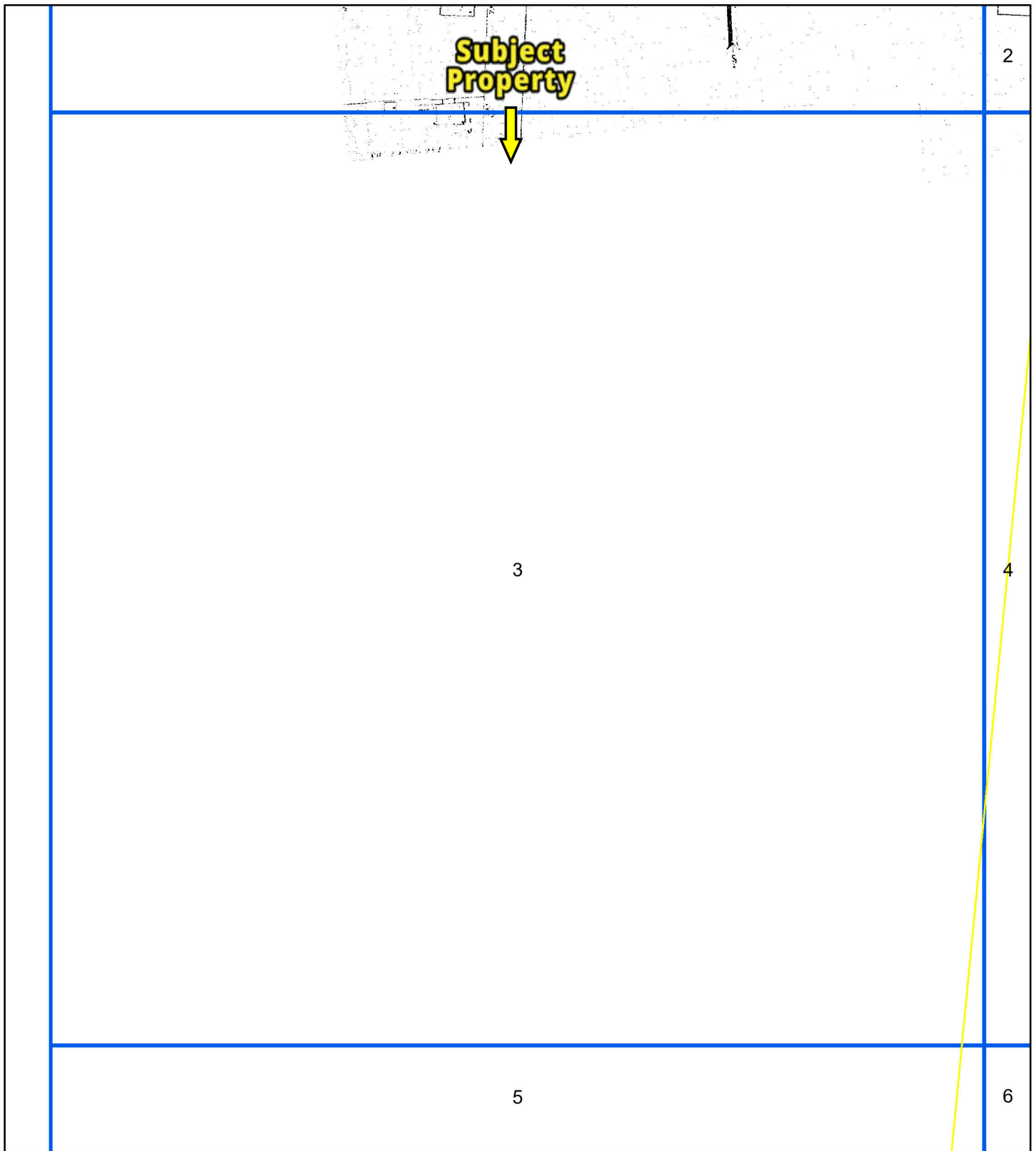


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Volume NA: 16,21;

Order Number 25061100519

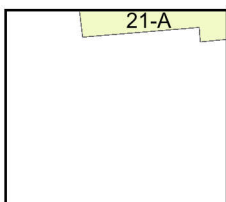
PARTNER

Fire Insurance Map

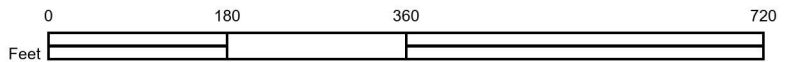


1952

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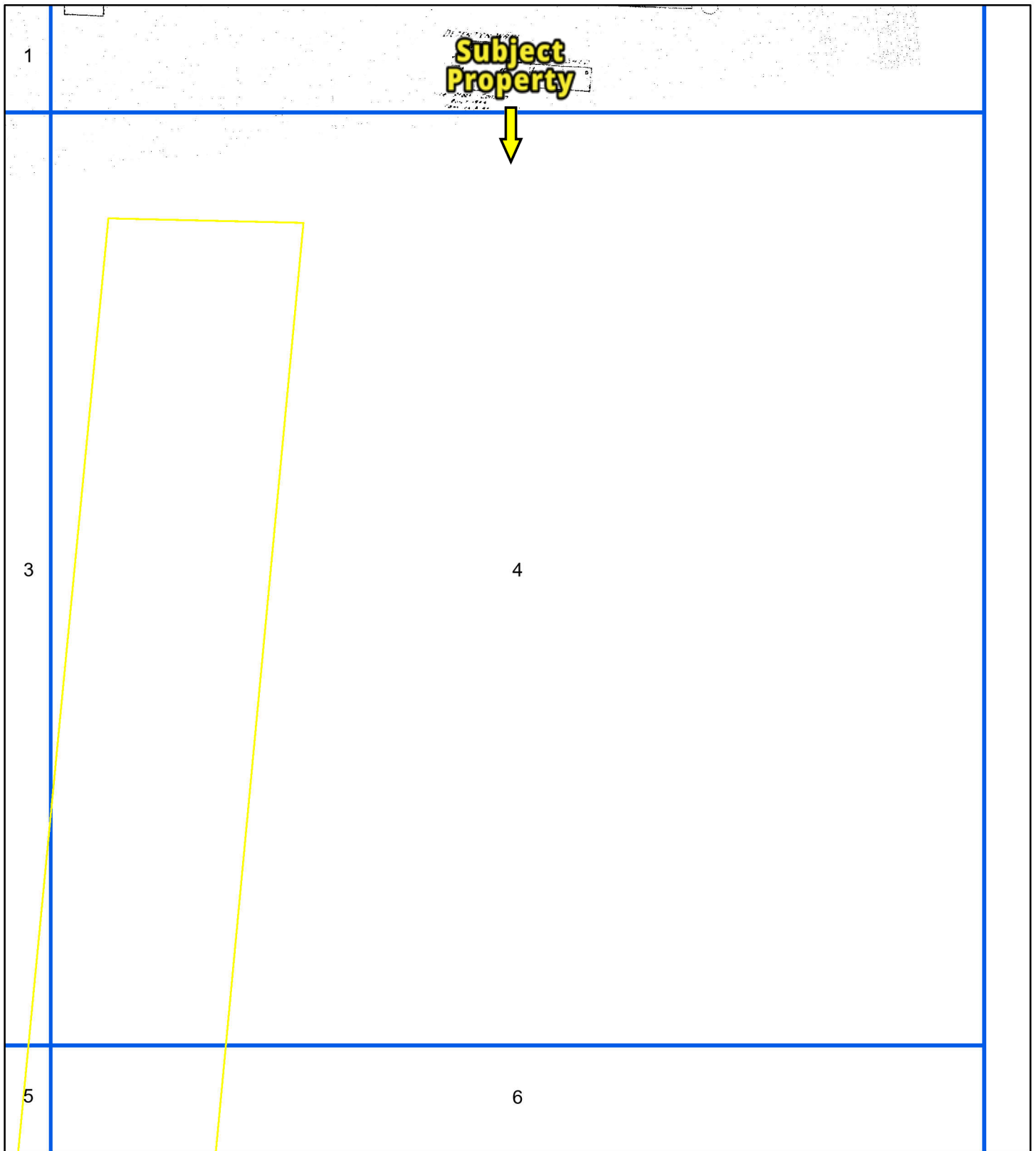
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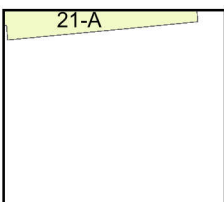
PARTNER

Fire Insurance Map



1952

Address: 1117 June Lane FLORENCE SC 29506



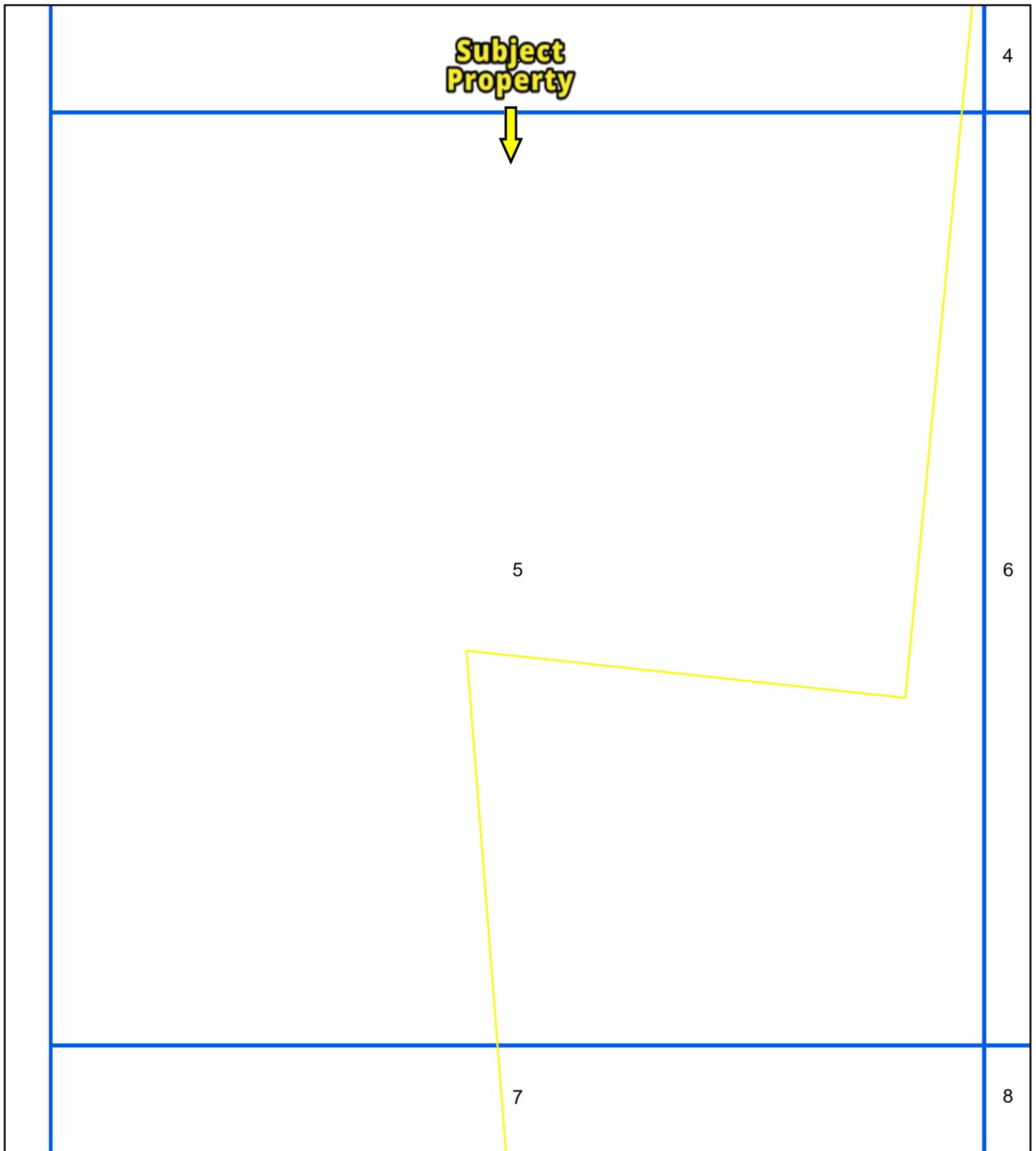
Map sheet(s):
Volume NA: 16,21;



Order Number 25061100519

PARTNER

Fire Insurance Map



1952

Address: 1117 June Lane FLORENCE SC 29506



0 180 360 720

Feet

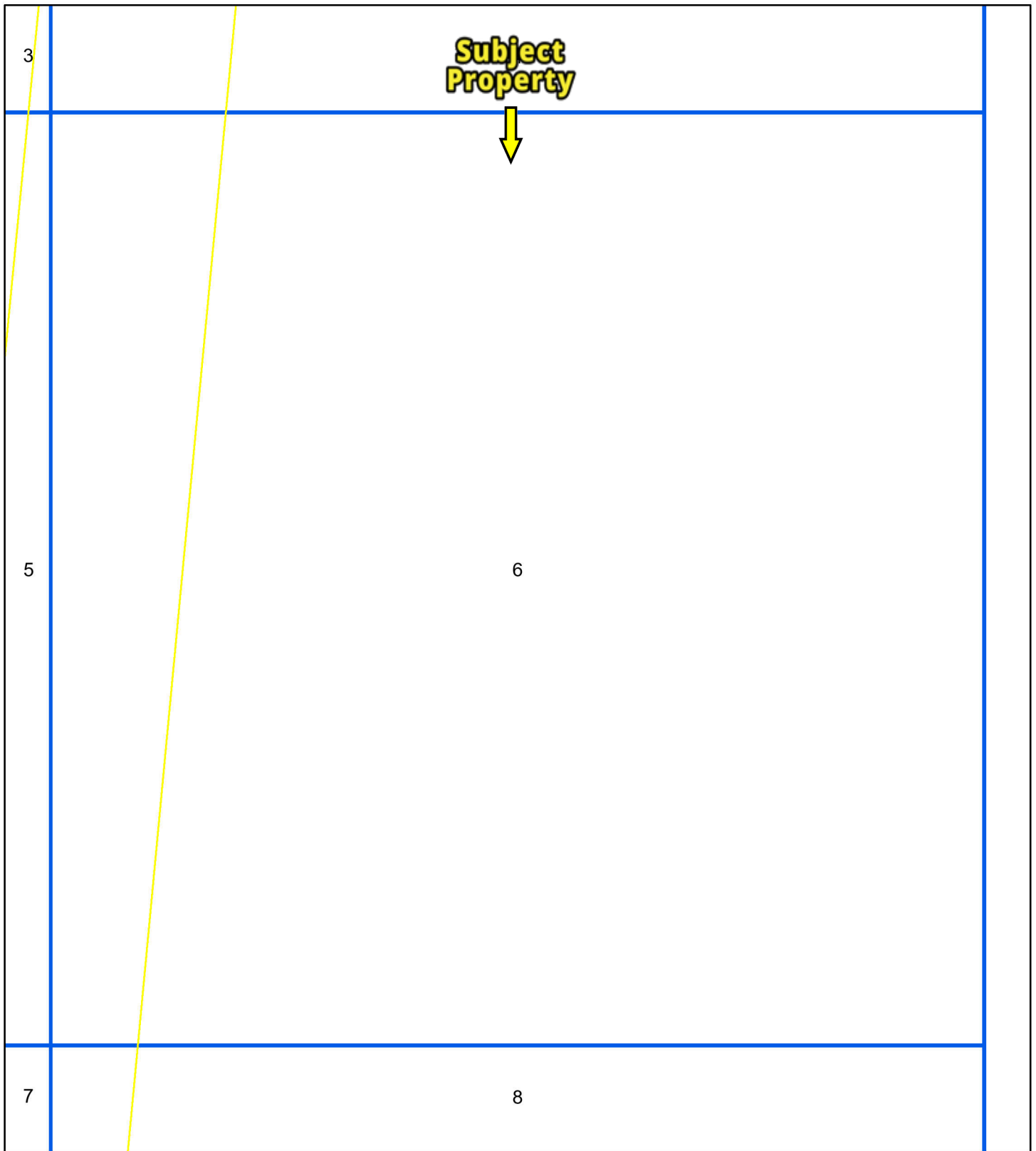


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Order Number 25061100519

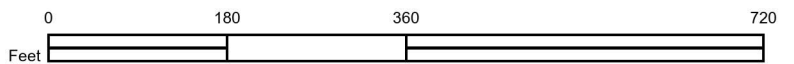
PARTNER

Fire Insurance Map



1952

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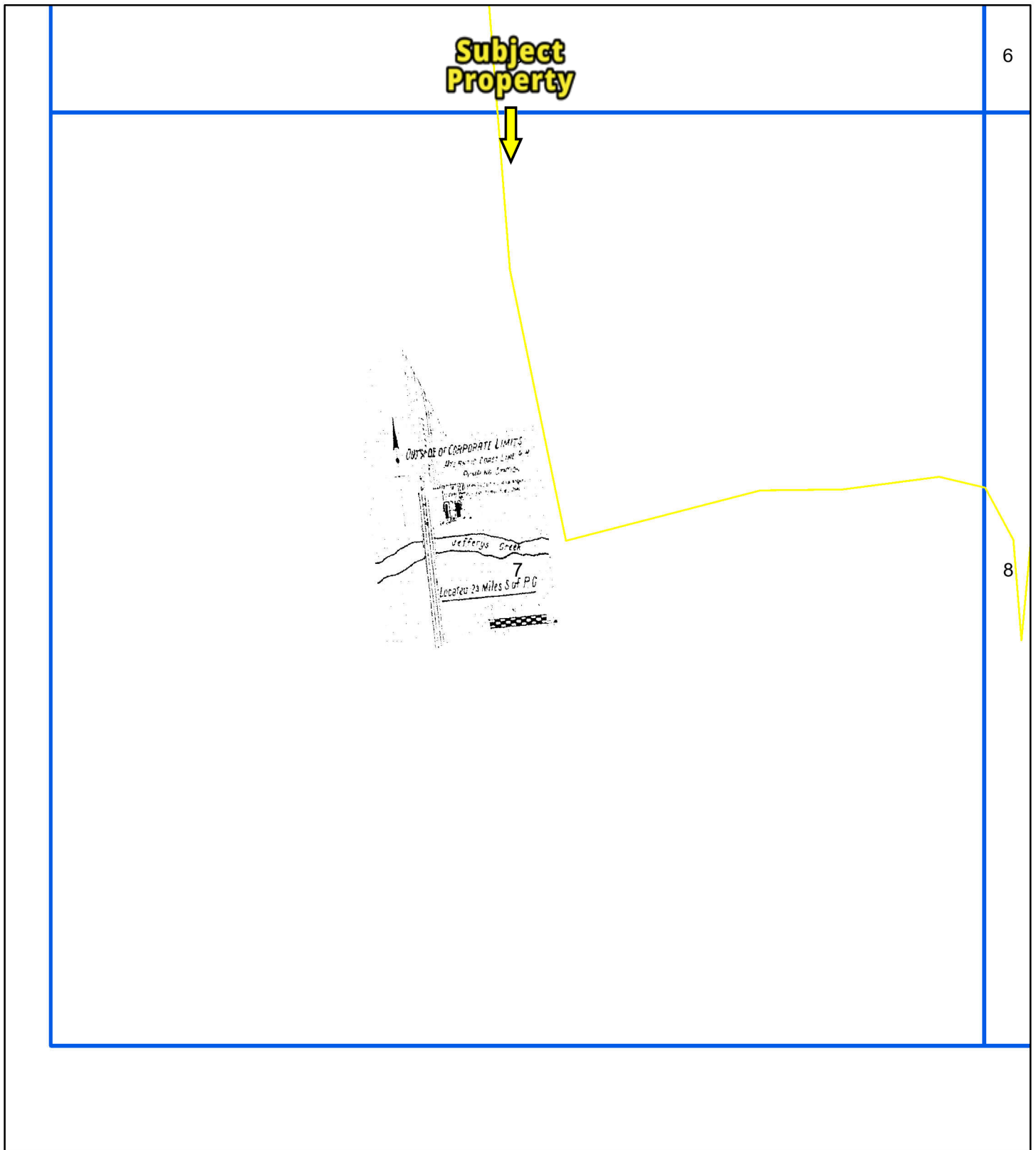


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Order Number 25061100519

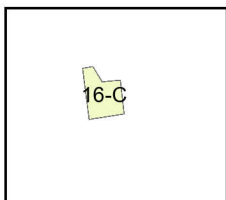
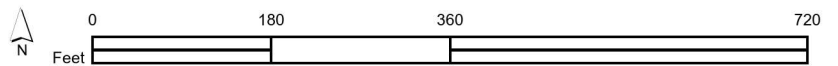
PARTNER

Fire Insurance Map



1952

Address: 1117 June Lane FLORENCE SC 29506

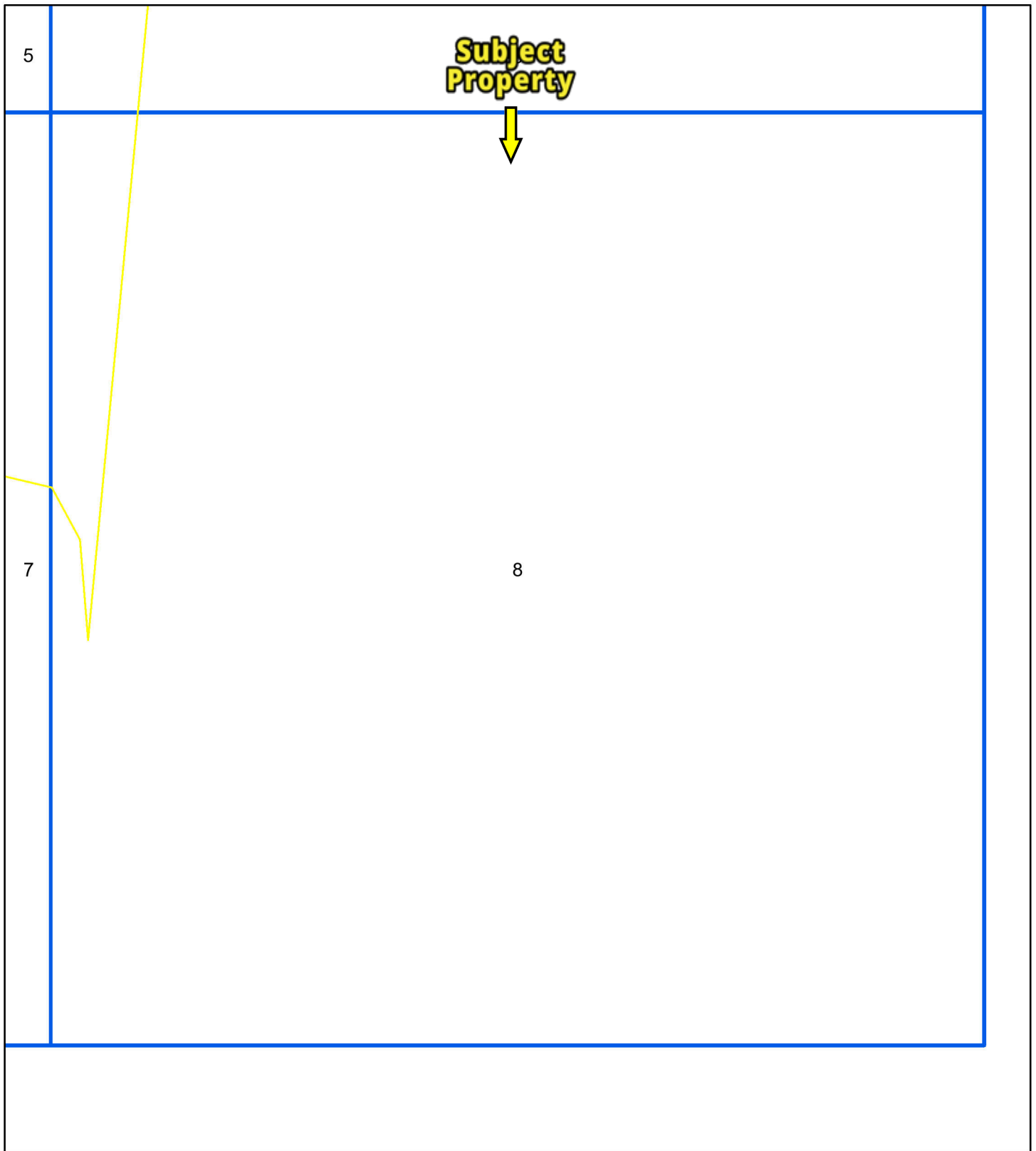


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Volume NA: 16,21;

Order Number 25061100519

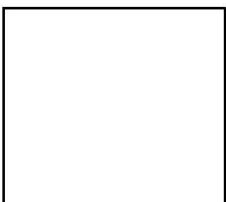
PARTNER

Fire Insurance Map



1952

Address: 1117 June Lane FLORENCE SC 29506



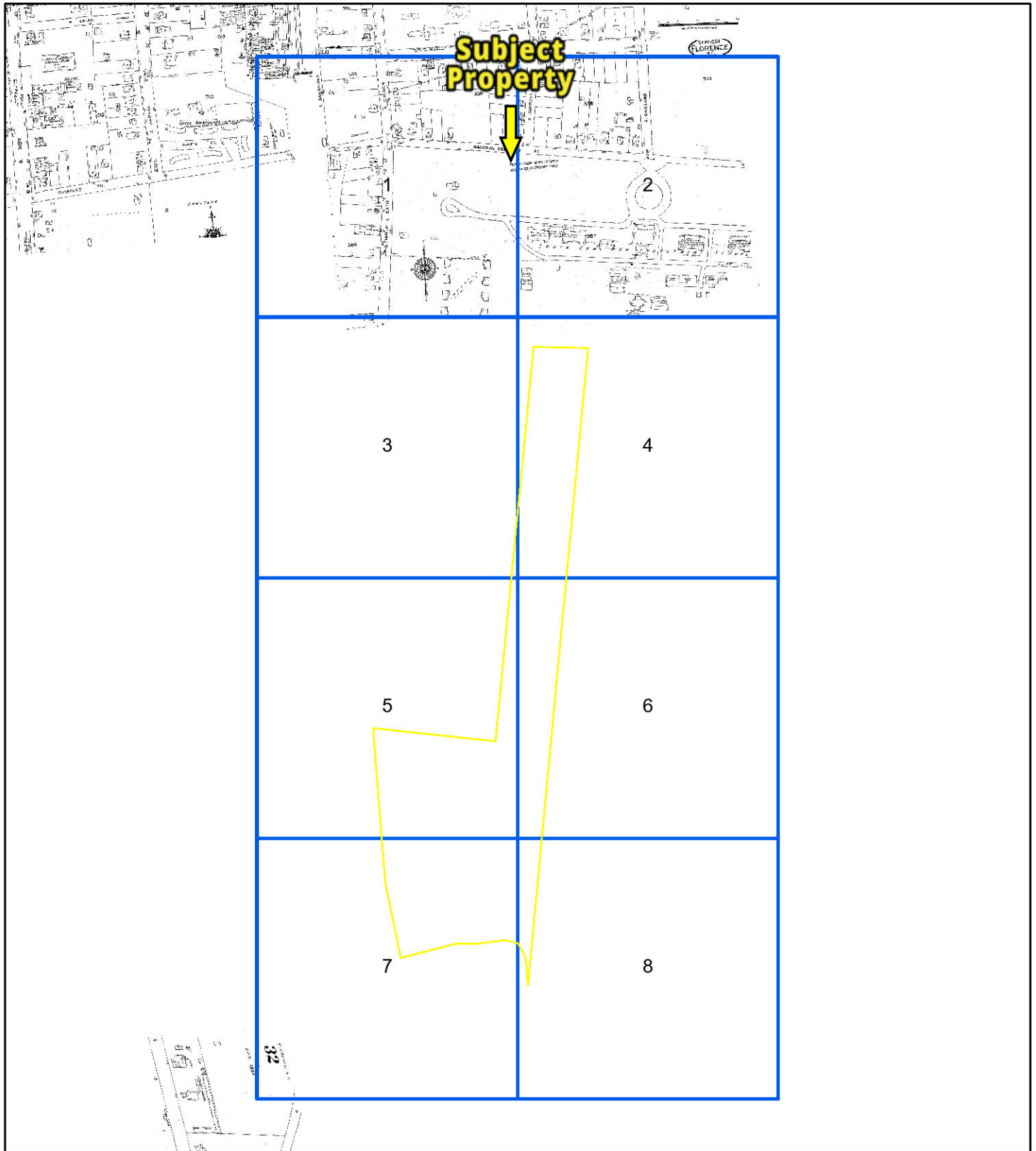
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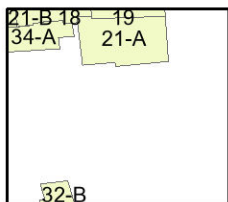
PARTNER

Fire Insurance Map



1961

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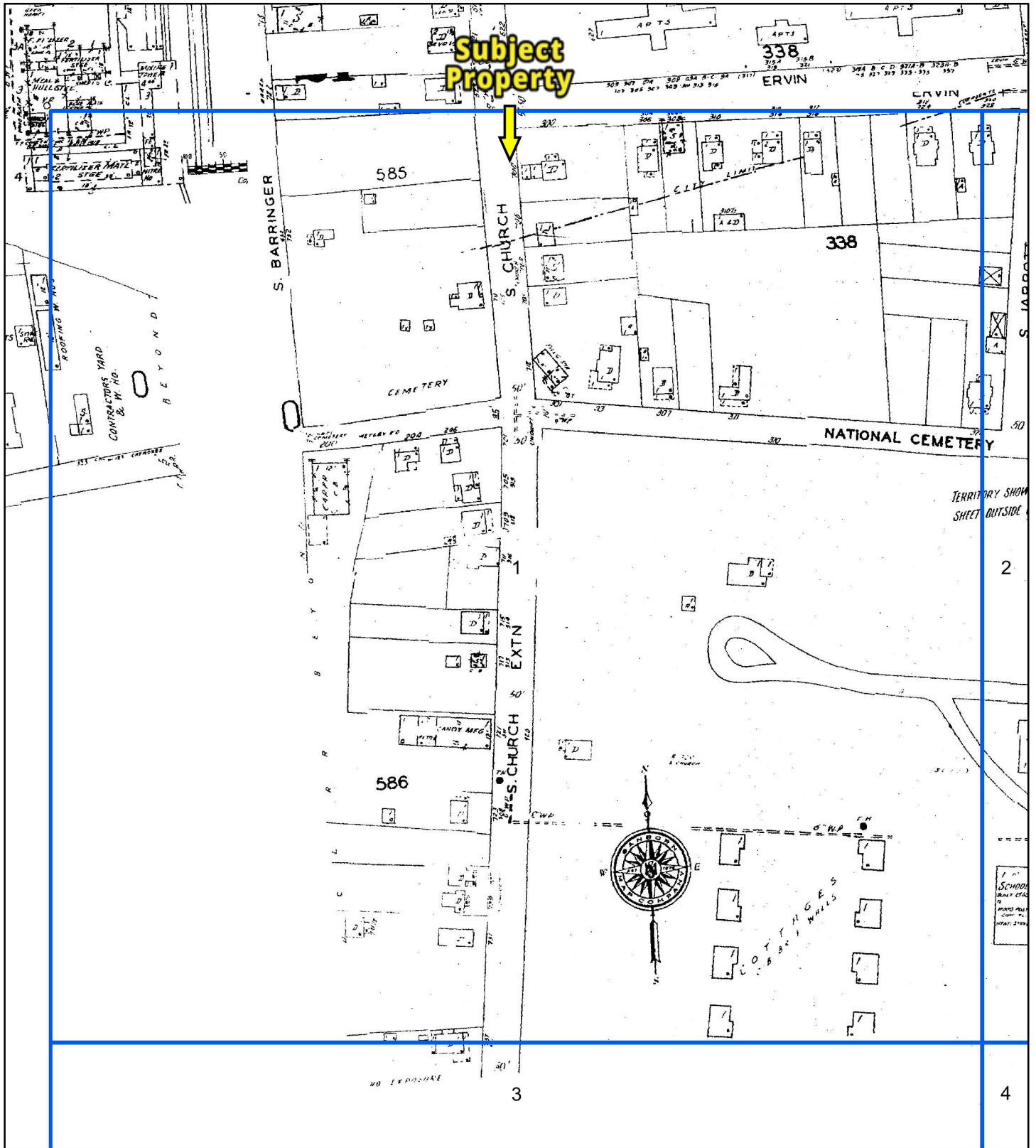


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Order Number 25061100519

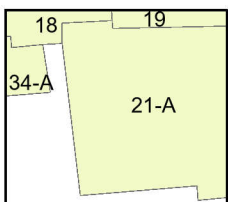
PARTNER

Fire Insurance Map



1961

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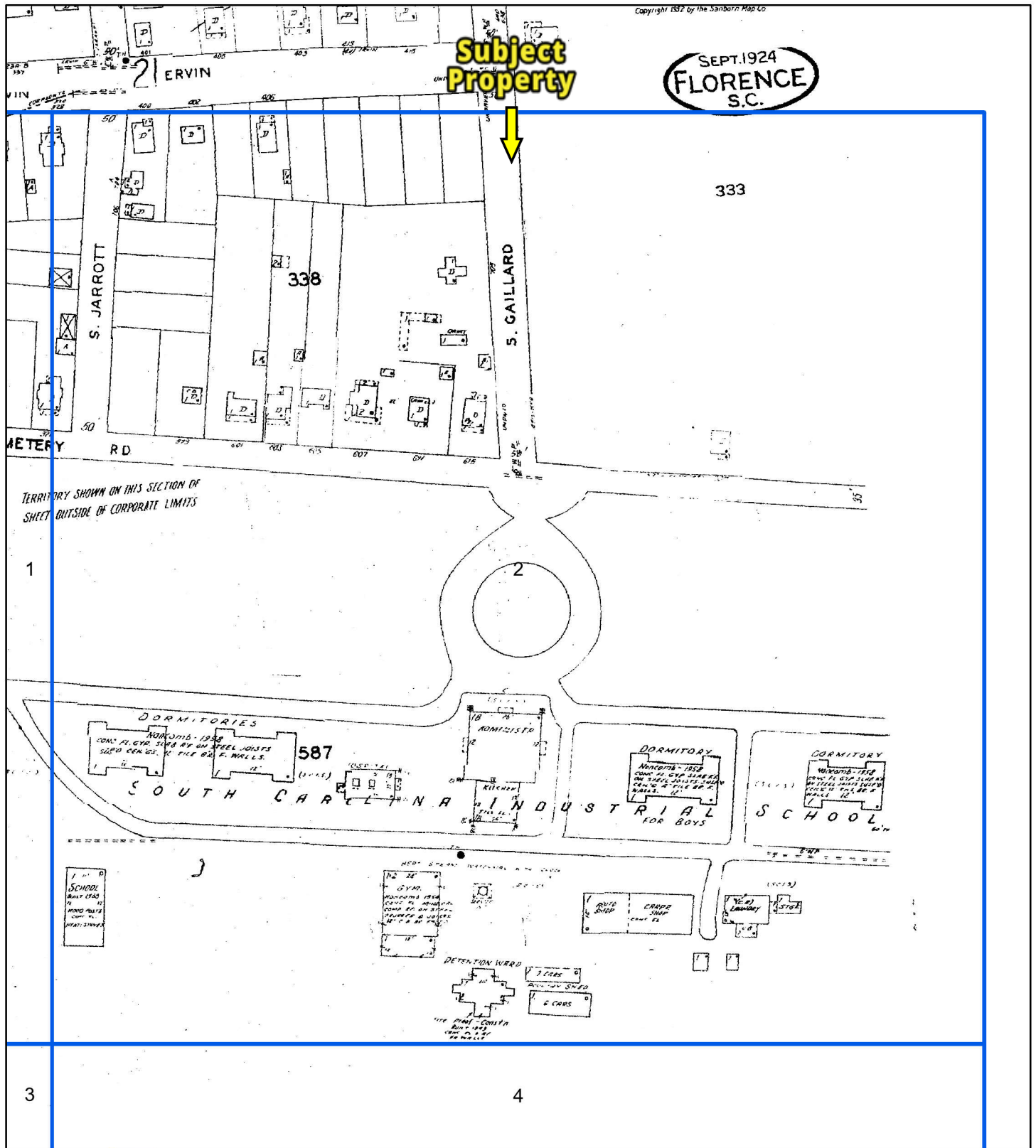


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Order Number 25061100519

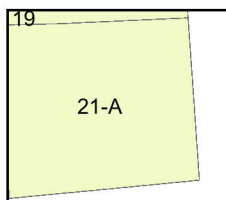
PARTNER

Fire Insurance Map



1961

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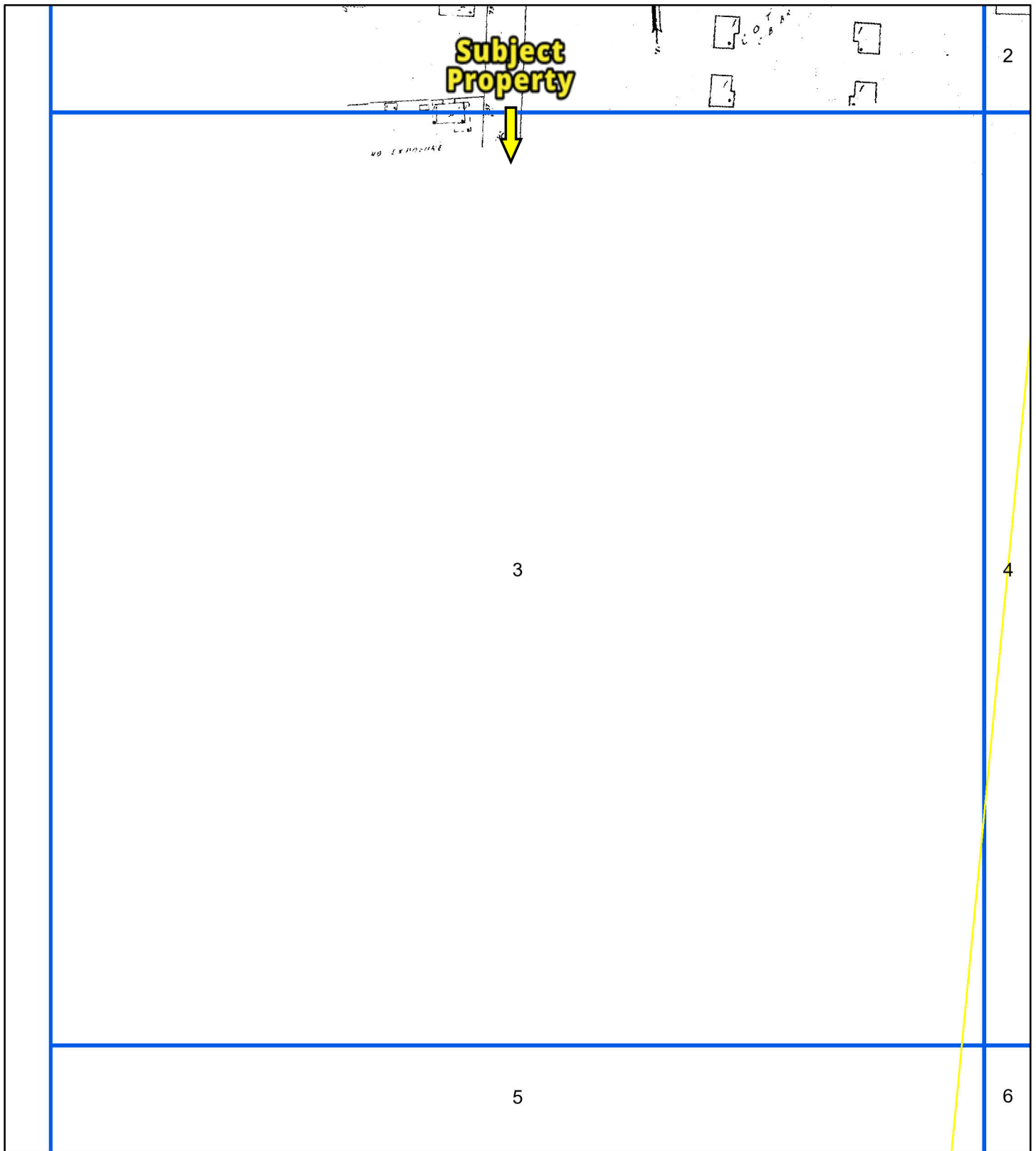


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Order Number 25061100519

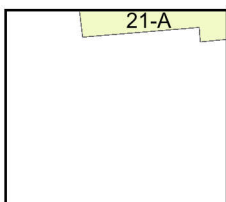
PARTNER

Fire Insurance Map



1961

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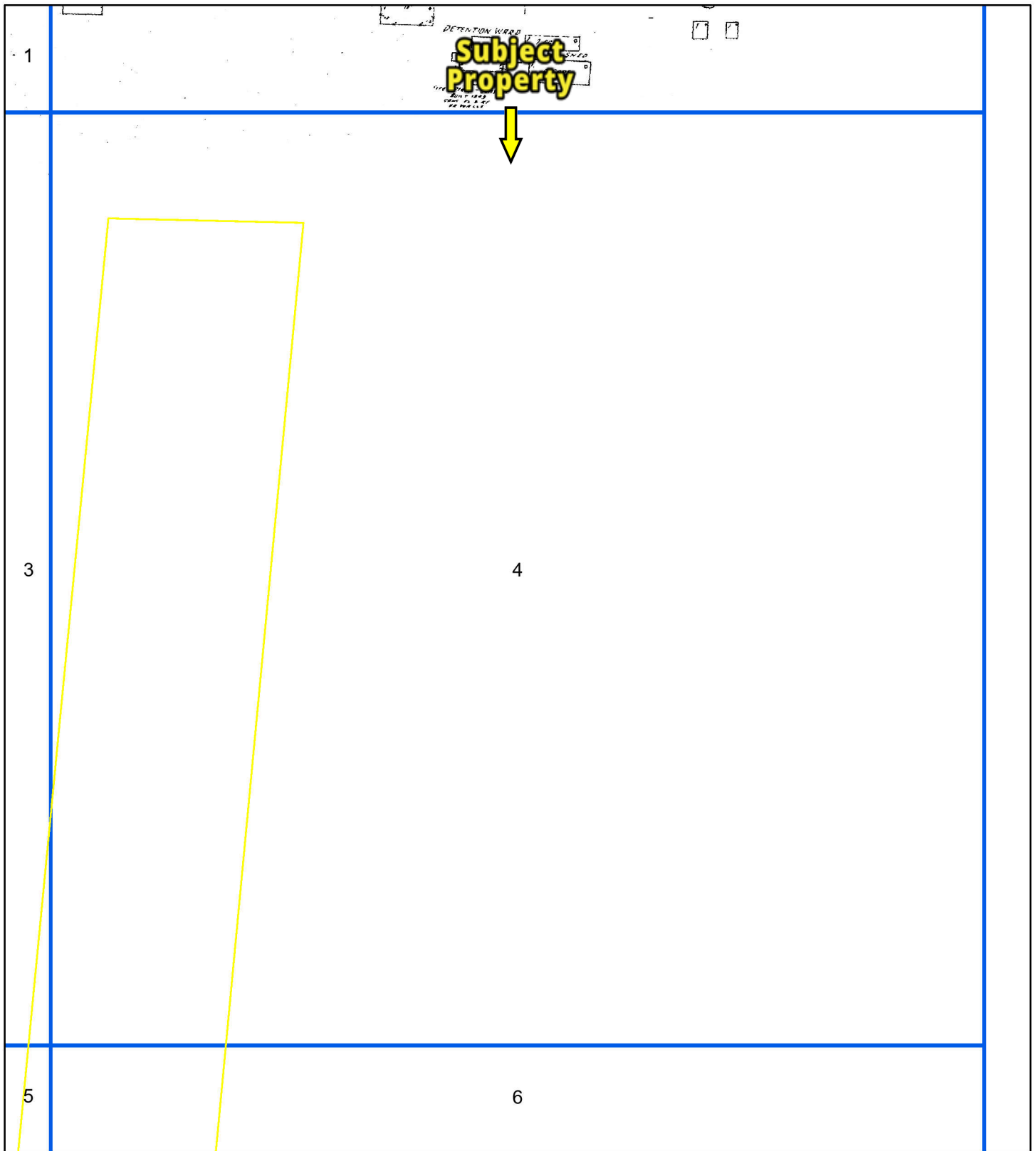


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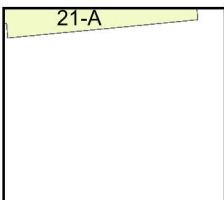
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Fire Insurance Map

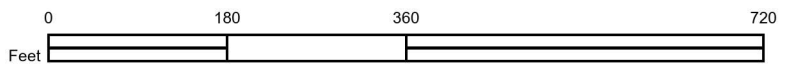


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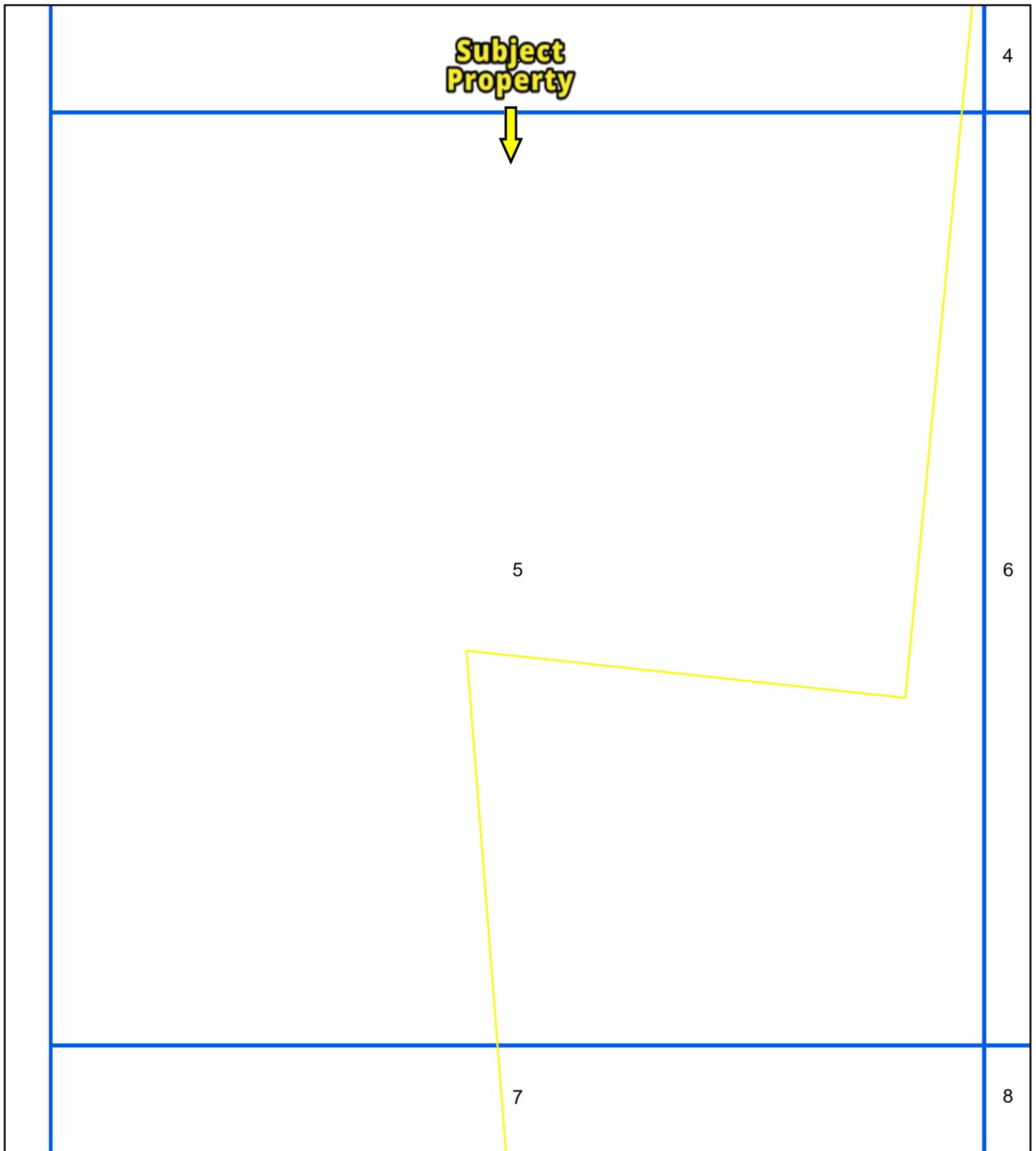
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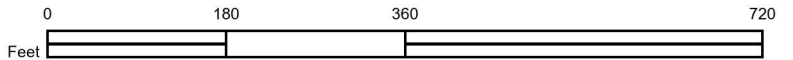
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Fire Insurance Map



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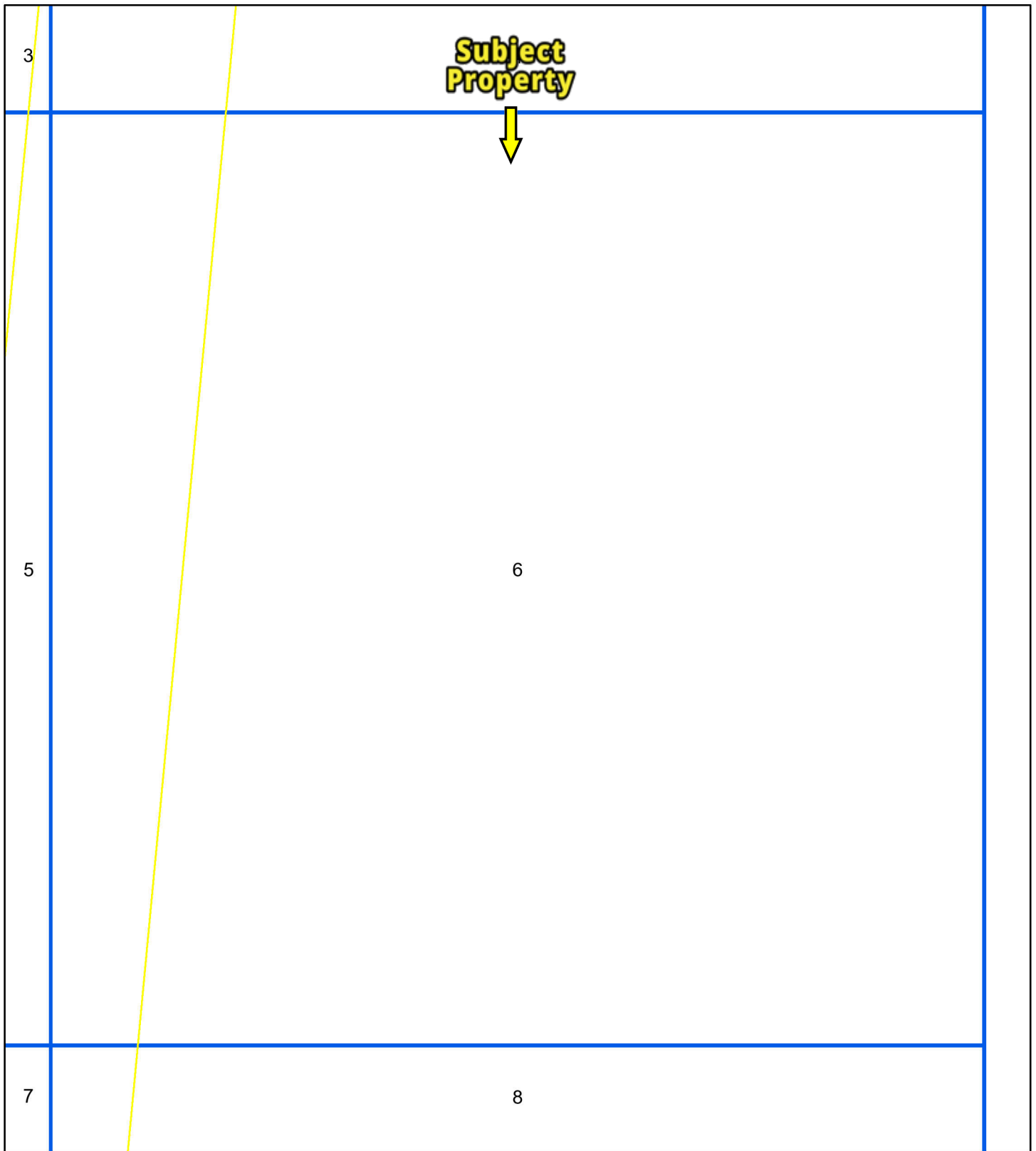


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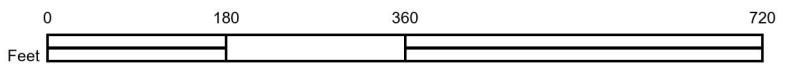
PARTNER

Fire Insurance Map



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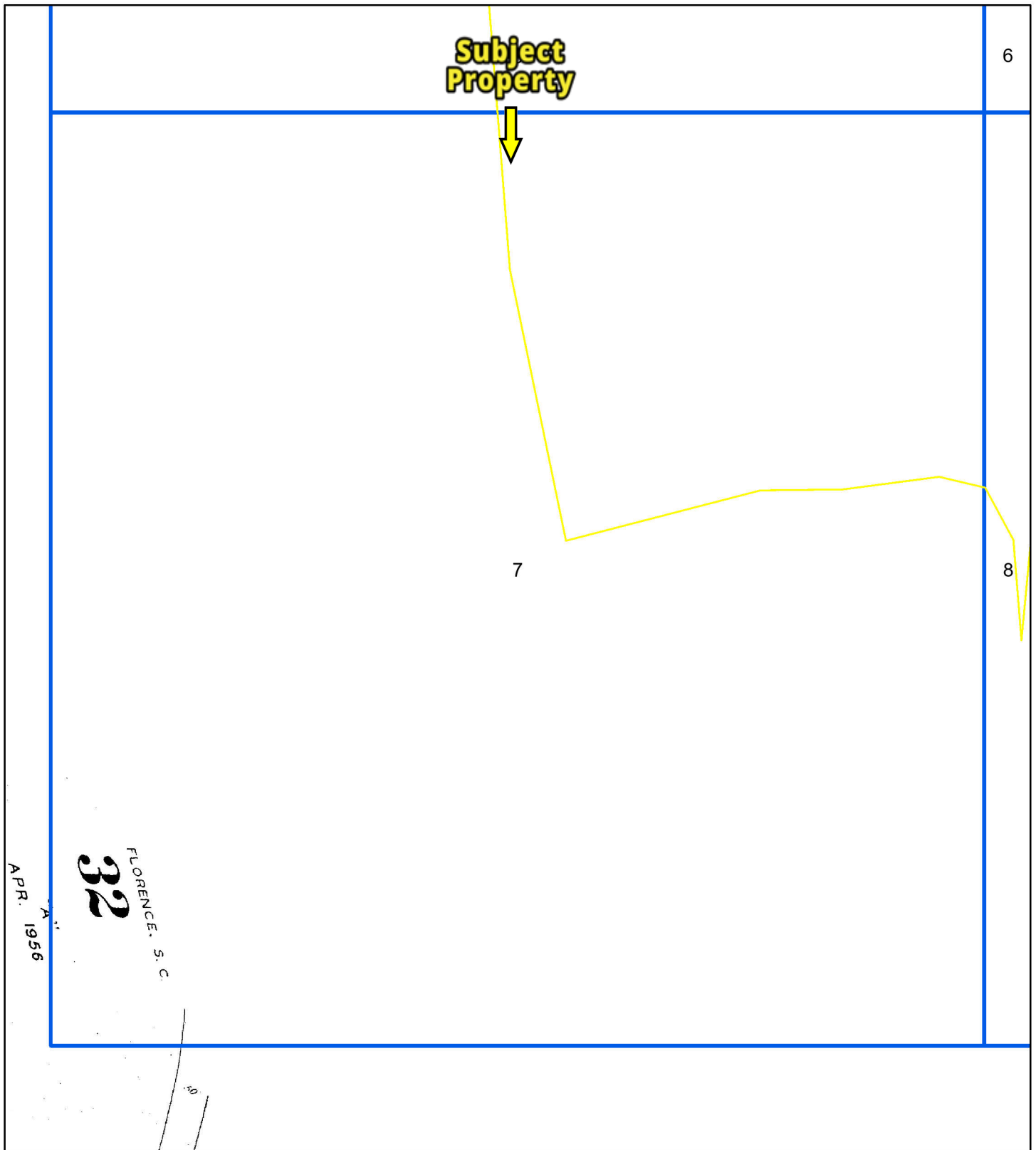


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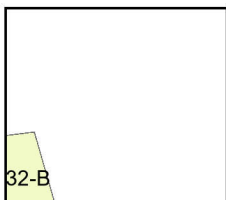
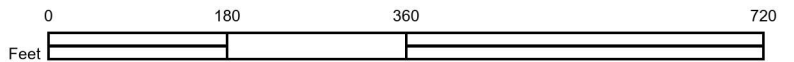
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Fire Insurance Map



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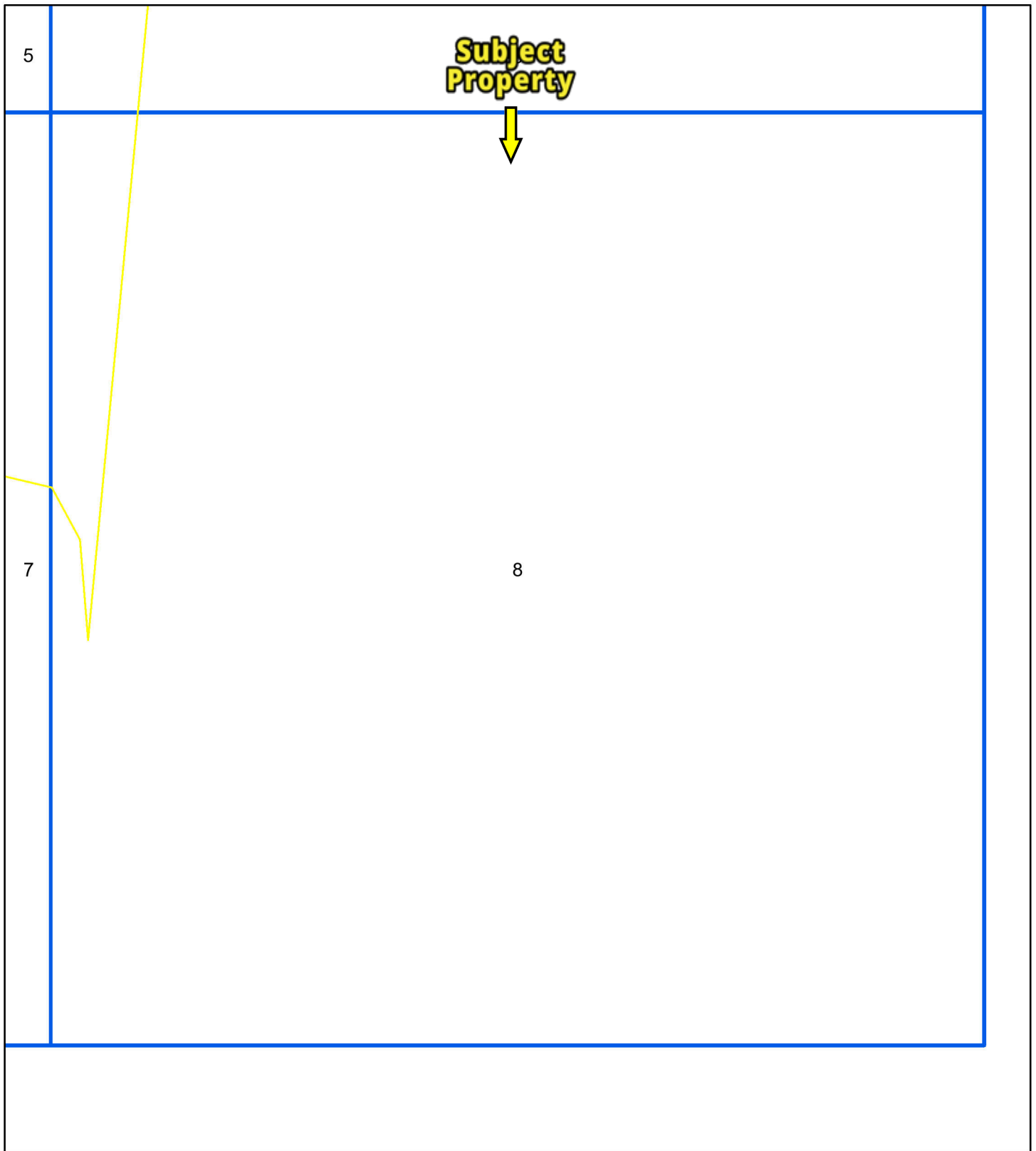


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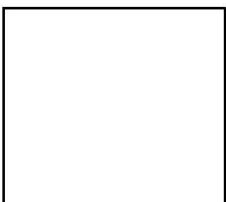
PARTNER

Fire Insurance Map

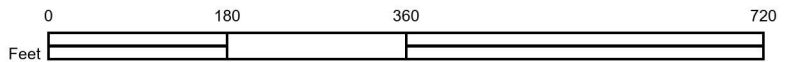


1961

Address: 1117 June Lane FLORENCE SC 29506



Map sheet(s):
Volume NA: 21;



Order Number 25061100519

PARTNER



CITY DIRECTORY

Project Property: *Churchill Apartments
1117 June Lane
FLORENCE, SC 29506*

Project No: *24-458664.3*

Requested By: *Partner Engineering and Science, Inc.*

Order No: *25061100519*

Date Completed: *June 17, 2025*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

June 17, 2025
RE: CITY DIRECTORY RESEARCH
1117 June Lane
FLORENCE, SC 29506

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

all of June Ln
900-1500 of S Church St

Search Notes:

Search Results Summary

Date	Source	Comment
2024	DIGITAL BUSINESS DIRECTORY	
2023	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1994-95	POLKS	
1993	CITY DIRECTORY INC	

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

904JULIA MURRAY...RESIDENTIAL

910SHARHONDA TAYLOR...RESIDENTIAL

912NARCISSA GAUSE...RESIDENTIAL

912TWAISHA HICKSON...RESIDENTIAL

916EARTHA CARTER...RESIDENTIAL

916MICHELLE ALSTON...RESIDENTIAL

920VIRGINIA HILTON...RESIDENTIAL

922CRYSTAL AUSTIN...RESIDENTIAL

922SHAWANDA DIXON...RESIDENTIAL

924ALVIN JAMES...RESIDENTIAL

928THOMAS WASHINGTON...RESIDENTIAL

930ANGEL BARR...RESIDENTIAL

930LATOYA SIMS...RESIDENTIAL

1000SHANNON WILSON...RESIDENTIAL

1004DANA WHITE...RESIDENTIAL

1004WHITNEY MERRITTS...RESIDENTIAL

1006SARAH JAMES...RESIDENTIAL

1008DAWN SEABROOKS...RESIDENTIAL

1008JOANNE BYRD...RESIDENTIAL

1012ELISHA COVINGTON...RESIDENTIAL

1014ALAISE ELLIS...RESIDENTIAL

1018SHERMAN JAMES...RESIDENTIAL

1022ANITA TAYLOR...RESIDENTIAL

1024ALICE MORANT...RESIDENTIAL

1102NATASHA BROWN...RESIDENTIAL

1110KEIJAH BARTELL...RESIDENTIAL

1116PATRICIA CAMPBELL...RESIDENTIAL

1117FLORENCE POLICE NEIGHBORHOOD...POLICE DEPARTMENTS

1117HOUSING AUTHORITY OF FLORENCE...HOUSING AUTHORITIES

1117HOUSING AUTHORITY PROJECT OFC...HOUSING AUTHORITIES

1118DENESHA PERRY...RESIDENTIAL

1124WHITNEY MCFADDEN...RESIDENTIAL

1126GEANESHIAH FROST...RESIDENTIAL

1126PARIS SINGLETARY...RESIDENTIAL

1129SHANNON WILLIAMS...RESIDENTIAL

1130ANDRESA VANDERHALL...RESIDENTIAL

1205WENDY NIXON...RESIDENTIAL

1206KEITH TAYLOR...RESIDENTIAL

1208SHEKARA BROADY...RESIDENTIAL

1220ROSELLA JORDAN...RESIDENTIAL

1222CARTHINA PERNELL...RESIDENTIAL

1222CARTHINIA PERNELL...RESIDENTIAL

1222TANYA ALFORD...RESIDENTIAL

1224MARY BROWN...RESIDENTIAL

1228KIMBERY COWARD...RESIDENTIAL

1234BRYAN MAXWELL...RESIDENTIAL

1234MELANIE WILLIAMS...RESIDENTIAL

1234TIESHA GREEN...RESIDENTIAL

1238ANGELA LOWERY...RESIDENTIAL

904MECO INC OF FLORENCE...AUTO PARTS & SUPPLIES MANUFACTURERS

1405COLLINS FIRE EXT...FIRE EXTINGUISHERS - WHOLESALE

1405COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS - WHOLESALE

1407A1 MEDICAL INC...PHYSICIANS EQUIPMENT (WHOLESALE

1415RICK'S PAWN SHOP...PAWNBROKERS

1417PARTS MART AUTO PARTS...NEW AUTO PARTS

1417UNI-SELECT USA...NEW AUTO PARTS

1431BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE

1431RICHARD BIRD...RESIDENTIAL

912 ANTHONY HICKSON...RESIDENTIAL

916 CRYSTAL BROOKS...RESIDENTIAL

916 MALARIE COOPER...RESIDENTIAL

918 RESHEMA MULDROW...RESIDENTIAL

920 FERNANDO MANN...RESIDENTIAL

920 JULIA ROSE...RESIDENTIAL

920 VIRGINIA HILTON...RESIDENTIAL

924 ALVIN JAMES...RESIDENTIAL

928 THOMASENIA WASHINGTON...RESIDENTIAL

930 ANGEL BARR...RESIDENTIAL

930 JOHNNY ROBINSON...RESIDENTIAL

930 LATOYA SIMS...RESIDENTIAL

1002 LEOLA ERWIN...RESIDENTIAL

1004 DANA WHITE...RESIDENTIAL

1006 SARAH JAMES...RESIDENTIAL

1010 REGINA MURRAY...RESIDENTIAL

1012 ELISHA COVINGTON...RESIDENTIAL

1012 SHARON EVANS...RESIDENTIAL

1014 JESSICA BACKUS...RESIDENTIAL

1016 KIMBERLY SMITH...RESIDENTIAL

1022 TERESA ELLISON...RESIDENTIAL

1024 ALICE MORANT...RESIDENTIAL

1026 SHIRLEY BRAYBOY...RESIDENTIAL

1102 NATASHA BROWN...RESIDENTIAL

1110 KEIJAH BARTELL...RESIDENTIAL

1116 PATRICIA CAMPBELL...RESIDENTIAL

1117 HOUSING AUTHORITY OF FLORENCE...HOUSING AUTHORITIES

1117 HOUSING AUTHORITY OF FLORENCE...FEDERAL GOVERNMENT

CONTRACTORS

1118 DENESHA PERRY...RESIDENTIAL

1124 SAGRICK ROBERTS...RESIDENTIAL

1128 KENYETTA SMITH...RESIDENTIAL

1128 SHUSHELIA DAVIS...RESIDENTIAL

1129 SHANNON WILLIAMS...RESIDENTIAL

1133 ACACIA FULMORE...RESIDENTIAL

1134 JHIQUITA PAUL...RESIDENTIAL

1202 ANN GIBSON...RESIDENTIAL

1203 KAREN DAVIS...RESIDENTIAL

1205 WENDY NIXON...RESIDENTIAL

1206 KEITH TAYLOR...RESIDENTIAL

1222 CARTHINIA PERNELL...RESIDENTIAL

1228 KIMBERY COWARD...RESIDENTIAL

1228 MAXINE HARRISON...RESIDENTIAL

1230 WILLIS MCFADDEN...RESIDENTIAL

1234 BRYAN MAXWELL...RESIDENTIAL

1234 OPHADELE GREEN...RESIDENTIAL

1234 TIESHA GREEN...RESIDENTIAL

1238 ANGELA LOWERY...RESIDENTIAL

904 MECO INC OF FLORENCE...AUTOMOBILE PARTS & SUPPLIES-MFRS

1405 COLLINS FIRE EXT...FIRE EXTINGUISHERS (WHLS)

1405 COLLINS FIRE EXTINGUISHER INC...SPRINKLER ALARM SYSTEMS (WHLS)

1405 COLLINS FIRE EXTINGUISHER INC...FIRE ALARM SYSTEMS (WHLS)

1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHLS)

1407 A1 MEDICAL INC...DENTAL EQUIPMENT & SUPPLIESWHOLESALE

1407 A1 MEDICAL INC...PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS

1415 RICK'S PAWN SHOP...PAWNBROKERS

1417 AUTO PLUS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW

1431 BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE

1431 RICHARD BIRD...RESIDENTIAL

912 ANTHONY HICKSON...RESIDENTIAL
 916 MALARIE COOPER...RESIDENTIAL
 920 FERNANDO MANN...RESIDENTIAL
 920 JULIA ROSE...RESIDENTIAL
 920 VIRGINIA HILTON...RESIDENTIAL
 924 ALVIN JAMES...RESIDENTIAL
 930 ANGEL BARR...RESIDENTIAL
 930 JOHNNY ROBINSON...RESIDENTIAL
 930 LATOYA SIMS...RESIDENTIAL
 1002 LEOLA ERWIN...RESIDENTIAL
 1004 DANA WHITE...RESIDENTIAL
 1006 SARAH JAMES...RESIDENTIAL
 1010 REGINA MURRAY...RESIDENTIAL
 1012 ELISHA COVINGTON...RESIDENTIAL
 1012 SHARON EVANS...RESIDENTIAL
 1014 JESSICA BACKUS...RESIDENTIAL
 1016 KIMBERLY SMITH...RESIDENTIAL
 1022 TERESA ELLISON...RESIDENTIAL
 1024 ALICE MORANT...RESIDENTIAL
 1102 NATASHA BROWN...RESIDENTIAL
 1110 KEIJAH BARTELL...RESIDENTIAL
 1116 PATRICIA CAMPBELL...RESIDENTIAL
 1117 HOUSING AUTHORITY OF FLORENCE...HOUSING AUTHORITIES
 1117 HOUSING AUTHORITY OF FLORENCE...FEDERAL GOVERNMENT
 CONTRACTORS
 1118 DENESHA PERRY...RESIDENTIAL
 1124 SAGRICK ROBERTS...RESIDENTIAL
 1128 KENYETTA SMITH...RESIDENTIAL
 1128 SHUSHELIA DAVIS...RESIDENTIAL
 1129 SHANNON WILLIAMS...RESIDENTIAL
 1202 ANN GIBSON...RESIDENTIAL
 1203 KAREN DAVIS...RESIDENTIAL
 1205 WENDY NIXON...RESIDENTIAL
 1206 KEITH TAYLOR...RESIDENTIAL
 1222 CARTHINIA PERNELL...RESIDENTIAL
 1228 KIMBERY COWARD...RESIDENTIAL
 1228 MAXINE HARRISON...RESIDENTIAL
 1230 WILLIS MCFADDEN...RESIDENTIAL
 1234 BRYAN MAXWELL...RESIDENTIAL
 1234 OPHADELE GREEN...RESIDENTIAL
 1238 ANGELA LOWERY...RESIDENTIAL

904 MECO INC OF FLORENCE...AUTOMOBILE PARTS & SUPPLIES-MFRS
 1100 DEAN FOODS CO...ICE CREAM & FROZEN DESSERTS (MFRS)
 1405 COLLINS FIRE EXT...FIRE EXTINGUISHERS (WHLS)
 1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHLS)
 1405 COLLINS FIRE EXTINGUISHER INC...FIRE ALARM SYSTEMS (WHLS)
 1405 COLLINS FIRE EXTINGUISHER INC...SPRINKLER ALARM SYSTEMS (WHLS)
 1407 A1 MEDICAL INC...DENTAL EQUIPMENT & SUPPLIESWHOLESALE
 1407 A1 MEDICAL INC...PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS
 1415 RICK'S PAWN SHOP...PAWNBROKERS
 1417 AUTO PLUS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
 1431 BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE
 1431 RICHARD BIRD...RESIDENTIAL

912 ANTHONY HICKSON...RESIDENTIAL
916 EARTHA CARTER...RESIDENTIAL
916 MALARIE COOPER...RESIDENTIAL
920 FERNANDO MANN...RESIDENTIAL
920 JULIA ROSE...RESIDENTIAL
920 VIRGINIA HILTON...RESIDENTIAL
930 ANGEL BARR...RESIDENTIAL
930 JOHNNY ROBINSON...RESIDENTIAL
930 LATOYA SIMS...RESIDENTIAL
1002 LEOLA ERWIN...RESIDENTIAL
1004 DANA WHITE...RESIDENTIAL
1010 REGINA MURRAY...RESIDENTIAL
1012 ELISHA COVINGTON...RESIDENTIAL
1012 SHARON EVANS...RESIDENTIAL
1014 LINDA BACKUS...RESIDENTIAL
1022 TERESA ELLISON...RESIDENTIAL
1102 NATASHA BROWN...RESIDENTIAL
1110 REBECCA BARTELL...RESIDENTIAL
1116 PATRICIA CAMPBELL...RESIDENTIAL
1117 FLORENCE POLICE NEIGHBORHOOD...POLICE DEPARTMENTS
1117 HOUSING AUTHORITY OF FLORENCE...HOUSING AUTHORITIES
1128 KENYETTA SMITH...RESIDENTIAL
1128 SHUSHELIA DAVIS...RESIDENTIAL
1129 SHANNON WILLIAMS...RESIDENTIAL
1202 ANN GIBSON...RESIDENTIAL
1202 SHIRLEY GIBSON...RESIDENTIAL
1205 WENDY NIXON...RESIDENTIAL
1206 KEITH TAYLOR...RESIDENTIAL
1222 CARTHINIA PERNELL...RESIDENTIAL
1228 KIMBERY COWARD...RESIDENTIAL
1230 WILLIS MCFADDEN...RESIDENTIAL
1234 BRYAN MAXWELL...RESIDENTIAL
1234 OPHADELE GREEN...RESIDENTIAL
1234 TIESHA GREEN...RESIDENTIAL
1238 ANGELA LOWERY...RESIDENTIAL
1238 CHERYL GODWIN...RESIDENTIAL
1238 FARRELL GODWIN...RESIDENTIAL

1100 DEAN FOODS CO...ICE CREAM & FROZEN DESSERTS (MFRS)
1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHLS)
1407 A1 MEDICAL INC...PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS
1415 RICK'S PAWN SHOP...PAWNBROKERS
1417 AUTO PLUS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
1431 BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE
1431 RICHARD BIRD...RESIDENTIAL

1110ROSETTA FORTUNE...RESIDENTIAL

1117FLORENCE POLICE NEIGHBORHOOD...POLICE DEPARTMENTS

1117HOUSING AUTHORITY PROJECT OFC...HOUSING AUTHORITIES

1117RESIDENT OPPORTUNITY CTR...HOUSING AUTHORITIES

1405COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHLS)

1407A1 MEDICAL INC...PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS

1415RICK'S PAWN SHOP...PAWNBROKERS

1417PARTS MART AUTO PARTS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW

1417UNI-SELECT USA...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW

1431BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE

112 total records. Part 1 of 2

904 EVERLENA WRIGHT...RESIDENTIAL
 904 MACK BRUCE...RESIDENTIAL
 906 APRIL PIPKINS...RESIDENTIAL
 906 L LEAK...RESIDENTIAL
 906 YOLANDA LEAK...RESIDENTIAL
 908 MELISSA A BROWN...RESIDENTIAL
 910 ANGELA R TAYLOR...RESIDENTIAL
 910 SHARHONDA TAYLOR...RESIDENTIAL
 912 TONYA BURGESS...RESIDENTIAL
 914 AALIYAH MYERS...RESIDENTIAL
 914 FANNIE A SCOTT...RESIDENTIAL
 916 R SCOTT...RESIDENTIAL
 918 CHERYL JACKSON...RESIDENTIAL
 920 LIBBY PEARCE...RESIDENTIAL
 920 RANDOLPH SANDERS...RESIDENTIAL
 924 TAMEKIA WILLIAMS...RESIDENTIAL
 926 ALLEN COOPER...RESIDENTIAL
 926 TAMARA L JOHNSON...RESIDENTIAL
 928 REZENIA MCALLISTER...RESIDENTIAL
 928 TYHESHA M THOMAS...RESIDENTIAL
 930 DONNA BURGESS...RESIDENTIAL
 930 SHIRLEY STUCKEY...RESIDENTIAL
 1000 REBECCA M JACKSON...RESIDENTIAL
 1002 KAREN DAVIS...RESIDENTIAL
 1004 MARLENE OLDS...RESIDENTIAL
 1004 MARTHA GIBSON...RESIDENTIAL
 1006 D PEOPLES...RESIDENTIAL
 1006 GWEN BARR...RESIDENTIAL
 1006 KERVIN JAMES...RESIDENTIAL
 1008 KIMBERLY A COWARD...RESIDENTIAL
 1008 LESLIE CANNON...RESIDENTIAL
 1008 WILLIE PARNELL...RESIDENTIAL
 1010 THERESA SPARKS...RESIDENTIAL
 1010 WANDA BRAXTON...RESIDENTIAL
 1012 TAMELA GORDON...RESIDENTIAL
 1014 GLORIA A MCELNEEN...RESIDENTIAL
 1014 HOMER MOORE...RESIDENTIAL
 1016 CABARIUS JAMES...RESIDENTIAL
 1016 MARLENE D ROBINSON...RESIDENTIAL
 1018 LARRY HAWKINS...RESIDENTIAL
 1020 KATHRYN NELSON...RESIDENTIAL
 1020 KIMBERLY MACK...RESIDENTIAL
 1022 FANTA N WILLIAMS...RESIDENTIAL
 1024 ANNE PETERSON...RESIDENTIAL
 1026 MARIA GRAHAM...RESIDENTIAL
 1026 SHIRLEY A BRAYBOY...RESIDENTIAL
 1028 BARBARA DAVIS...RESIDENTIAL
 1028 LOTUS WATTS...RESIDENTIAL
 1030 JULIE A CANTEY...RESIDENTIAL
 1030 KEVIN WINGATE...RESIDENTIAL
 1030 TIFFANY JONES...RESIDENTIAL
 1032 DEBORAH A CANTEY...RESIDENTIAL
 1100 LAKEISHA BROWN...RESIDENTIAL
 1104 ANGELA JAMES...RESIDENTIAL
 1104 CYNTHIA MILES...RESIDENTIAL
 1106 NANCY MCLEOD...RESIDENTIAL
 1106 TERESA BURGESS...RESIDENTIAL
 1108 EMMA WARR...RESIDENTIAL
 1110 BARBARA JOHNSON...RESIDENTIAL
 1110 BARBRA JOHNSON...RESIDENTIAL
 1112 MINNIE MCALLISTER...RESIDENTIAL
 1112 SHAIMEK SAULS...RESIDENTIAL
 1114 VONDELL SHULER...RESIDENTIAL
 1116 C JOHNSON...RESIDENTIAL
 1117 HOUSING AUTHORITY PROJECT OFC...HOUSING AUTHORITIES
 1117 RESIDENT OPPORTUNITY CTR...HOUSING AUTHORITIES
 1118 WANDA GORE...RESIDENTIAL
 1120 DEBRA HICKSON...RESIDENTIAL
 1120 PRISCILLA FORD...RESIDENTIAL

Part 2 of 2

1122 GINA D GRAHAM...RESIDENTIAL
 1124 BEMADETTE S ROBINSON...RESIDENTIAL
 1126 CORRISTINE BROWN...RESIDENTIAL
 1126 GERALDINE BENJAMIN...RESIDENTIAL
 1128 LYNN ROSS...RESIDENTIAL
 1128 SHUSHELIA DAVIS...RESIDENTIAL
 1129 GLORIA M HICKS...RESIDENTIAL
 1129 SHARON D SIMMONS...RESIDENTIAL
 1130 K PIPKINS...RESIDENTIAL
 1130 TONY DICKERSON...RESIDENTIAL
 1132 KEITH B CORBIN...RESIDENTIAL
 1133 SAMANTHA Y MULDROW...RESIDENTIAL
 1134 BARBARA SCOTT...RESIDENTIAL
 1134 THEOLA WILLIAMS...RESIDENTIAL
 1200 JOHN W WILDER...RESIDENTIAL
 1200 TORI WILLIAMS...RESIDENTIAL
 1201 GLORIA A BRITT...RESIDENTIAL
 1201 REBECCA G BARTELL...RESIDENTIAL
 1202 ANN GIBSON...RESIDENTIAL
 1204 WILLIE M WRIGHT...RESIDENTIAL
 1206 LAKESHA THOMAS...RESIDENTIAL
 1206 WALTER DOUGLAS...RESIDENTIAL
 1207 LAKEISHA C BLUE...RESIDENTIAL
 1207 OLA GREGG...RESIDENTIAL
 1220 LEOLA ERWIN...RESIDENTIAL
 1220 MARVIN SELF...RESIDENTIAL
 1220 MICHELLE LEWS...RESIDENTIAL
 1220 TOMEKA AUSTIN...RESIDENTIAL
 1222 KELVIN GREENE...RESIDENTIAL
 1222 TION KING...RESIDENTIAL
 1226 DENISE RAINEY...RESIDENTIAL
 1226 DERRICK JR WRIGHT...RESIDENTIAL
 1226 RHONDA PICKENS...RESIDENTIAL
 1226 TASHA DIONE...RESIDENTIAL
 1228 JEANETTE SELLERS...RESIDENTIAL
 1228 MAXINE HARRISON...RESIDENTIAL
 1230 CAPRICE T ABRAMSON...RESIDENTIAL
 1230 DENISE WATSON...RESIDENTIAL
 1230 VANGII K WILLIAMS...RESIDENTIAL
 1232 GLORIA A GIBSON...RESIDENTIAL
 1232 LASHERYL COOPER...RESIDENTIAL
 1234 YOLANDA MORENO...RESIDENTIAL
 1236 JOHN SR HILTON...RESIDENTIAL

904 MECO INC OF FLORENCE...AUTOMOBILE PARTS & SUPPLIES-MFRS
906 RENTAL UNIFORM SVC...UNIFORM SUPPLY SERVICE
1100 PENSKE TRUCK LEASING...TRUCK RENTING & LEASING
1100 PET DAIRY...DAIRIES
1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHOLESALE)
1415 RICKS PAWN SHOP...PAWNBROKERS
1417 ALL PRO AUTO PARTS...AUTOMOBILE PARTS & SUPPLIES-WHOLESALE
1417 PARTS MART...RET & WHOL AUTO & TRUCK PARTS

904 EVERLENA WRIGHT...RESIDENTIAL
904 PHYLLIS Y DANIELS...RESIDENTIAL
904 SEAN CANNON...RESIDENTIAL
910 BETTY KEITH...RESIDENTIAL
912 BEVERLY WILSON...RESIDENTIAL
1002 WILLA BURGESS...RESIDENTIAL
1006 DANITA PACK...RESIDENTIAL
1006 TAMESHA KENNEDY...RESIDENTIAL
1008 MAXINE HARRISON...RESIDENTIAL
1008 SAMUEL CARRAWAY...RESIDENTIAL
1008 THERESA SPARKS...RESIDENTIAL
1018 R LANE...RESIDENTIAL
1026 SHIRLEY A BRAYBOY...RESIDENTIAL
1028 BARBARA WILLIAMSON...RESIDENTIAL
1028 CHARLES & BARBARA DAVIS...RESIDENTIAL
1100 HARRIETT JAMES...RESIDENTIAL
1108 DAN WILLIAMSON...RESIDENTIAL
1108 EUGENE MCCULLOUGH...RESIDENTIAL
1110 SHARON BROCKINGTON...RESIDENTIAL
1114 BRANDI BRUCE...RESIDENTIAL
1117 HOUSING AUTHORITY PROJECT OFC
1117 RESIDENT OPPORTUNITY CTR
1120 BRENDA JACKSON...RESIDENTIAL
1124 P WELLS...RESIDENTIAL
1126 ERNEST ABRAHAM...RESIDENTIAL
1128 NICOLE MURRELL...RESIDENTIAL
1128 SHELBY MURRELL...RESIDENTIAL
1129 CHRISTINA & TERESAH COOPER...RESIDENTIAL
1129 GLORIA M HICKS...RESIDENTIAL
1130 DIONNE D GOODMAN...RESIDENTIAL
1132 EMMA DAVIS...RESIDENTIAL
1204 EDDIE LEE ROSS...RESIDENTIAL
1205 LATASHA FLEMING...RESIDENTIAL
1205 TONYA KEITH...RESIDENTIAL
1207 DEQUIL MACK...RESIDENTIAL
1208 RENEJA JACKSON...RESIDENTIAL
1220 LEOLA ERWIN...RESIDENTIAL
1224 MESHECO WAITERS...RESIDENTIAL
1224 RUBY WRIGHT...RESIDENTIAL
1226 BRENDA WHITE...RESIDENTIAL
1230 C ABRAMSON...RESIDENTIAL
1230 LACHELL MCWHITE...RESIDENTIAL
1232 A V MACK...RESIDENTIAL
1234 TIMOTHY JOHNSON...RESIDENTIAL
1236 JOHN SR HILTON...RESIDENTIAL
1236 SARAH JAMES...RESIDENTIAL

904 MECO INC OF FLORENCE...ENGINE FUELS AND OILS
906 RENTAL UNIFORM SVC...LINEN SUPPLY, NON-CLOTHING
935 FLORENCE PARKS DEPT
1100 FLAV-O-RICH INC
1100 ROLLINS TRUCK RENTAL/LEASING
1405 COLLINS FIRE EXTINGUISHER INC...SAFETY EQUIPMENT AND SUPPLIES
1407 FLORENCE AUTO UPHOLSTERY
1407 J & J LAWN CARE
1415 RICK'S PAWN SHOP
1417 PARTS MART AUTO PARTS
1431 CHURCH STREET TRANSMISSION...ENGINE REPAIR
1431 GUARANTEED AUTO REPAIR...ENGINE REPAIR

904 EVERLENA WRIGHT...RESIDENTIAL
904 PHYLLIS Y DANIELS...RESIDENTIAL
904 SEAN CANNON...RESIDENTIAL
910 BETTY KEITH...RESIDENTIAL
912 BEVERLY WILSON...RESIDENTIAL
1002 WILLA BURGESS...RESIDENTIAL
1006 DANITA PACK...RESIDENTIAL
1006 TAMESHA KENNEDY...RESIDENTIAL
1008 MAXINE HARRISON...RESIDENTIAL
1008 SAMUEL CARRAWAY...RESIDENTIAL
1008 THERESA SPARKS...RESIDENTIAL
1018 R LANE...RESIDENTIAL
1026 SHIRLEY A BRAYBOY...RESIDENTIAL
1028 BARBARA WILLIAMSON...RESIDENTIAL
1028 CHARLES & BARBARA DAVIS...RESIDENTIAL
1100 HARRIETT JAMES...RESIDENTIAL
1108 DAN WILLIAMSON...RESIDENTIAL
1108 EUGENE MCCULLOUGH...RESIDENTIAL
1110 SHARON BROCKINGTON...RESIDENTIAL
1114 BRANDI BRUCE...RESIDENTIAL
1117 FLORENCE POLICE NEIGHBORHOOD
1117 HOUSING AUTHORITY PROJECT OFC
1117 RESIDENT OPPORTUNITY CTR
1120 BRENDA JACKSON...RESIDENTIAL
1124 P WELLS...RESIDENTIAL
1126 ERNEST ABRAHAM...RESIDENTIAL
1128 NICOLE MURRELL...RESIDENTIAL
1128 SHELBY MURRELL...RESIDENTIAL
1129 CHRISTINA & TERESAH COOPER...RESIDENTIAL
1129 GLORIA M HICKS...RESIDENTIAL
1130 DIONNE D GOODMAN...RESIDENTIAL
1132 EMMA DAVIS...RESIDENTIAL
1204 EDDIE LEE ROSS...RESIDENTIAL
1205 LATASHA FLEMING...RESIDENTIAL
1205 TONYA KEITH...RESIDENTIAL
1207 DEQUIL MACK...RESIDENTIAL
1208 RENE A JACKSON...RESIDENTIAL
1220 LEOLA ERWIN...RESIDENTIAL
1224 MESHECO WAITERS...RESIDENTIAL
1224 RUBY WRIGHT...RESIDENTIAL
1226 BRENDA WHITE...RESIDENTIAL
1230 C ABRAMSON...RESIDENTIAL
1230 LACHELL MCWHITE...RESIDENTIAL
1232 A V MACK...RESIDENTIAL
1234 TIMOTHY JOHNSON...RESIDENTIAL
1236 JOHN SR HILTON...RESIDENTIAL
1236 SARAH JAMES...RESIDENTIAL

904 MECO INC OF FLORENCE....ENGINE FUELS AND OILS
 906 RENTAL UNIFORM SVC...LINEN SUPPLY, NON-CLOTHING
 1100 FLAV-O-RICH INC
 1100 ROLLINS TRUCK RENTAL LEASING
 1405 COLLINS FIRE EXTINGUISHER INC...SAFETY EQUIPMENT AND SUPPLIES
 1407 FLORENCE AUTO UPHOLSTERY
 1407 J & J LAWN CARE
 1407 SECOND LOOP AUTO UPHOLSTERY
 1415 CLASSIC AUTO GLASS INC...AUTOMOTIVE SERVICING EQUIPMENT
 1415 GLASS & MIRROR SPECIALTIES...GARAGE AND SERVICE STATION
 CONTRACTORS
 1417 PARTS MART AUTO PARTS
 1431 FLORENCE BRAKE & EXHAUST

904 CANNON SEAN
 904 DANIELS PHYLLIS Y
 910 KEITH BETTY
 910 THOMAS JUANITA
 910 THOMAS TERESA
 914 COOPER SHEKELIA A
 920 DAVIS S
 922 JAMES ALOMIE
 926 KING G A
 1002 BURGESS WILLA
 1006 PACK DANITA
 1008 BRUNSON KEJO
 1008 CARRAWAY SAMUEL
 1008 HARRISON MAXINE
 1014 MONROE DEBBIE E
 1016 MYERS STEVEN
 1018 COOKS WENDY
 1018 SPEARS JADA
 1026 BRAYBOY SHIRLEY A
 1102 CAMPBELL GURLEY LEE
 1102 WILLIAMS HATTIE M
 1104 SHIELDS OWIDA
 1108 GOODMAN DIONE D
 1108 MCCULLOUGH EUGENE
 1108 WILLIAMSON DAN
 1117 FLORENCE POLICE
 1117 HOUSING AUTHORITY OF FLORENCE (PROJECT OFFICE)
 1117 NEIGHBORHOOD RESOURCE CENTER
 1117 RESIDENT OPPORTUNITY CENTER
 1126 RHODES VERONICA
 1129 COOPER CHRISTINA & TERESAH
 1129 HICKS GLORIA M
 1132 DAVIS EMMA
 1202 BROOKS ANN
 1204 MITCHELL PATRICIA
 1204 ROSS EDDIE LEE
 1207 MACK DEQUIL
 1208 LAW DEBRA A
 1220 ERWIN LEOLA
 1224 CANNON JOSEPH
 1224 WRIGHT RUBY
 1226 WHILE BRENDA
 1230 ABRAMSON C
 1230 MCWHITE LACHELL
 1232 MACK A V
 1234 PEOPLES ELAINE
 1236 HILTON JOHN SR
 1236 JAMES HARRIETT

705 MOSES FLORA
 712 4-WAY SUPERETTE
 811 MCELVEEN & GRANGER AUTO ELECTIC
 817 TOMMY'S GROCERY
 825 HANNA REALTY
 833 HILL SAM FENCES
 833 ORNAMENTAL IRON & GATE WORKS
 833 ORNAMENTAL IRON BY SAM HILL
 833 SAM HILL FENCES
 833 SAM HILL SECURITY SYSTEMS
 904 MECO INC OF FLORENCE
 1090 PARTS MART AUTO PARTS
 1090 PARTS WAREHOUSE INC
 1100 FLAV-O RICH INC
 1405 COLLINS FIRE EXTINGUISHER INC
 1407 FLORENCE AUTO UPHOLSTERY
 1407 SECOND LOOP AUTO UPHOLSTERY
 1431 FLORENCE BRAKE & EXHAUST
 1499 SOUTHSIDE FARMERS MARKET
 1501 PLASTI-MAGIC PRINTING
 1521 AMERICAN TROPHY COMPANY INC
 1521 BY INVITATION ONLY
 1527 VALERIE'S PAMPERED PETS
 1531 LM ATTACHMENTS
 1535 TRAILS END TUNE-UP SHOP

904 CANNON SHAEN
 906 GILCHRIST JAMES
 914 HAM AVERY-R
 916 HENRY TONYA
 924 HINES VERNIE G
 1000 GREGG MARIET
 1016 MYERS JAME
 1016 MYERS STEVEN
 1102 CAMERON GERTIE(A)-R
 1104 SHIELDS OVIDA-R
 1108 MULTI TENANT RESIDENTIAL
 1112 DAVIS TYRONE-R
 1114 WHITE HANNA
 1114 WHITE LARRY
 1117 FLORENCE POLICE & NEIGHBORHOOD
 1117 HOUSING AUTHORITY OF FLORENCE
 1117 PROJECT OFFICE
 1117 RESIDENT OPPORTUNITY CENTER
 1120 REDOEN ANASTASTIC
 1120 WILLIAMS RULEA
 1132 DAVIS EMMA
 1132 DAVIS SHAWANDA
 1132 DAVIS VONNI
 1200 DARBY LAURA
 1203 JOHNSON CLAUDIA
 1204 MITCHELL PATRICIA-R
 1204 MITCHELL TRENIYAYNE-R
 1226 WHITE BRENDA-R
 1234 RAINGE M R
 1236 HILTON JOHN-R
 3608 DAVIS JOYCE-R
 9125 SELLERS SARAH-R

712	F WAY SUPERETTE
811	MCELVEEN & GRANGER AUTO ELECIR
816	SOUTH CAROLINA STATE OF-YOUTH
817	CALCUTT GROCERY & BAIT SHOP
825	HANNA REALTY
833	HILL SAM FENCING INC
833	ORNAMENTAL IRON BY SAM HILL
833	SAM HILL SECURITY SYSTEMS
904	MECO INCOPORATED OF FLORENCE
906	RENTAL UNIFORM SERVICE
1090	PARTS MART AUTO PARTS
1090	PARTS WAREHOUSE INC
1100	FLAV-O-RICH INC
1405	COLLINS FIRE EXTINGUISHER INC
1407	FLORENCE AUTO UPHOLSTERY
1407	SECOND LOOP AUTO UPHOLSTERY
1431	FLORENCE BRAKE & EXHAUST
1501	PLASTI MAGIC PRINTING
1521	AMERICAN TROPHY COMPANY INC
1521	BY INVITATION ONLY
1527	VALERIES PAMPERED PETS
1535	TRAILS END TUNE-UP SHOP



TOPOGRAPHIC MAPS

Project Property: Churchill Apartments

1117 June Lane
FLORENCE SC 29506
Project No: 24-458664.3
Requested By: Partner Engineering and Science, Inc.
Order No: 25061100519
Date Completed: June 12, 2025

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
1940	15
1945	15
1986	7.5
2014	7.5
2017	7.5
2020	7.5

Topographic Map Symbolology for the maps may be available in the following documents:

Pre-1947

[Page 223 of 1918 Topographic Instructions](#)

[Page 130 of 1928 Topographic Instructions](#)

1947-2009

[Topographic Map Symbols](#)

2009-present

[US Topo Map Symbols](#)

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

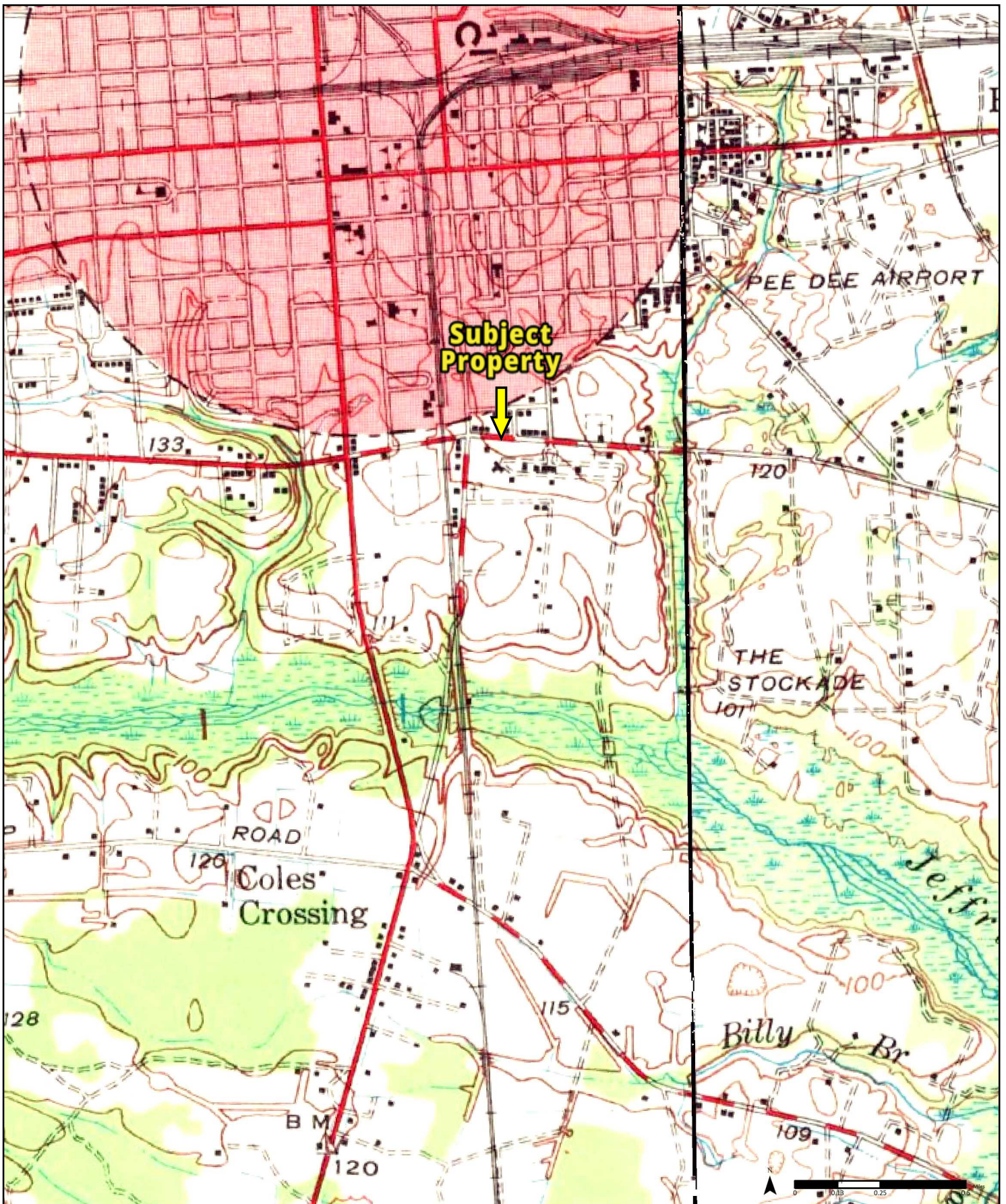
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This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com



1940

Available Quadrangle(s): Florence West, SC
Florence East, SC

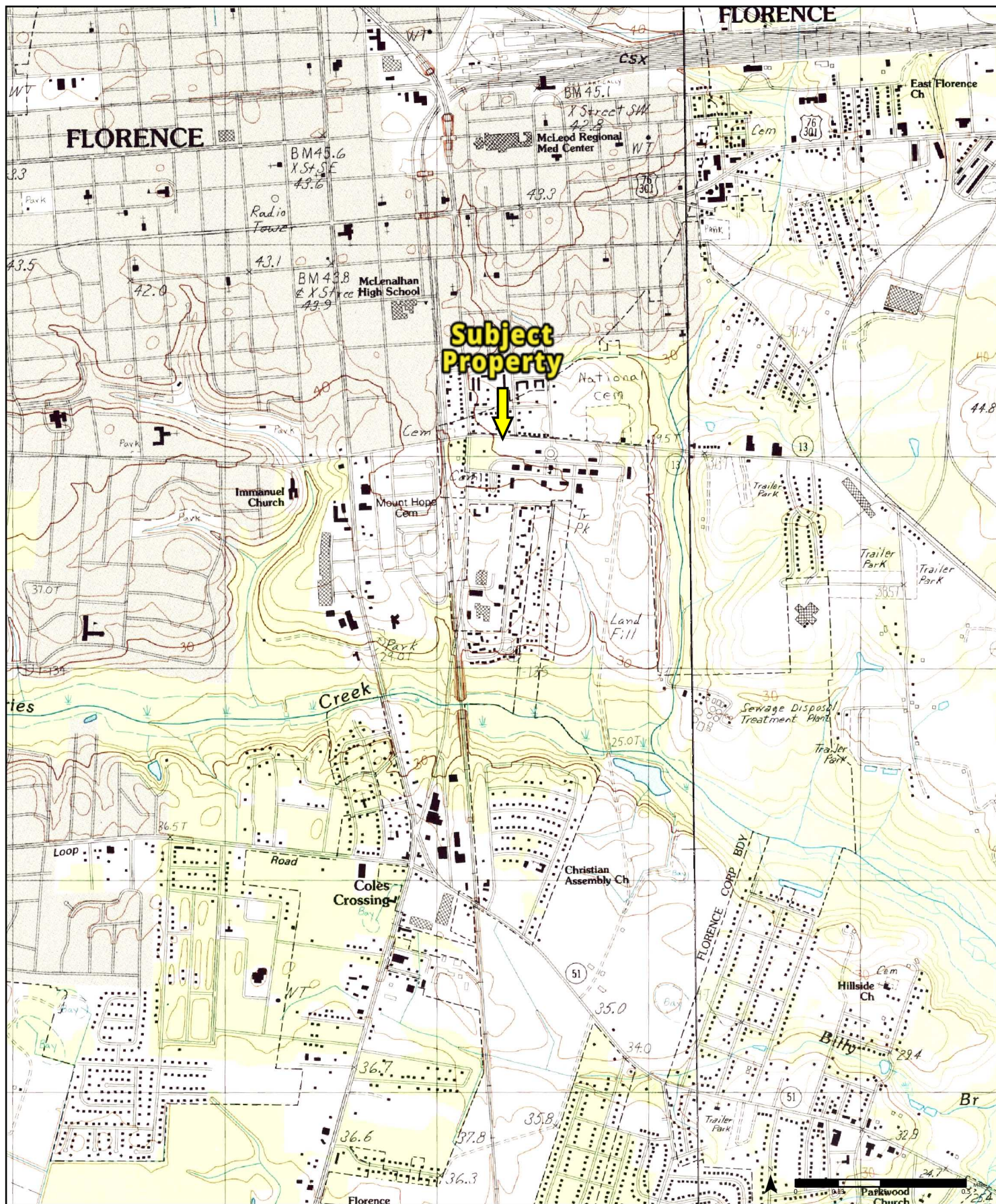
Order No. 25061100519



1945

Available Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 25061100519



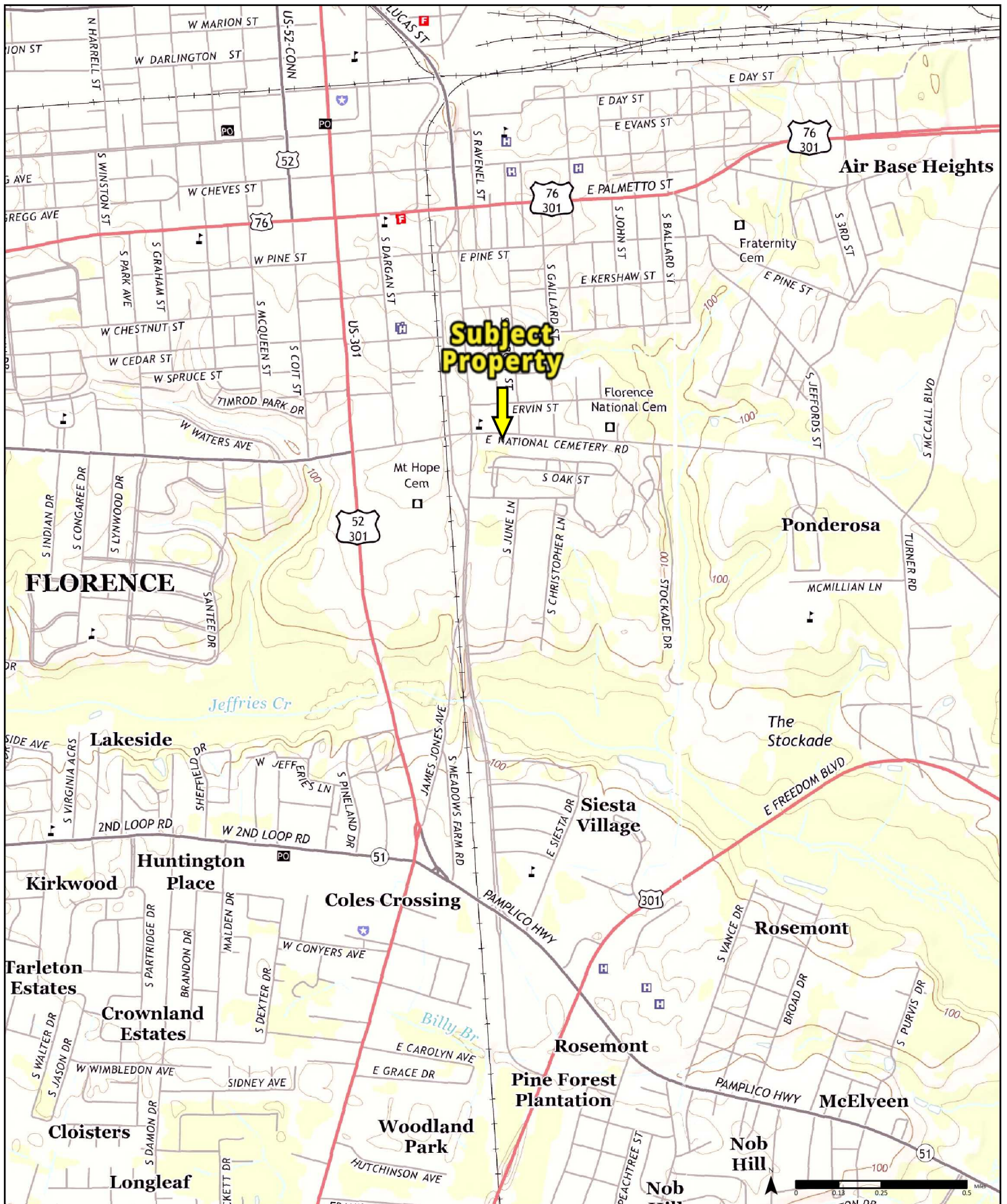
1986

(1-1986)
Aerial Photo Year: 1977

(2-1986)
Aerial Photo Year: 1977

Available Quadrangle(s): Florence West, SC(1-1986)
Florence East, SC(2-1986)

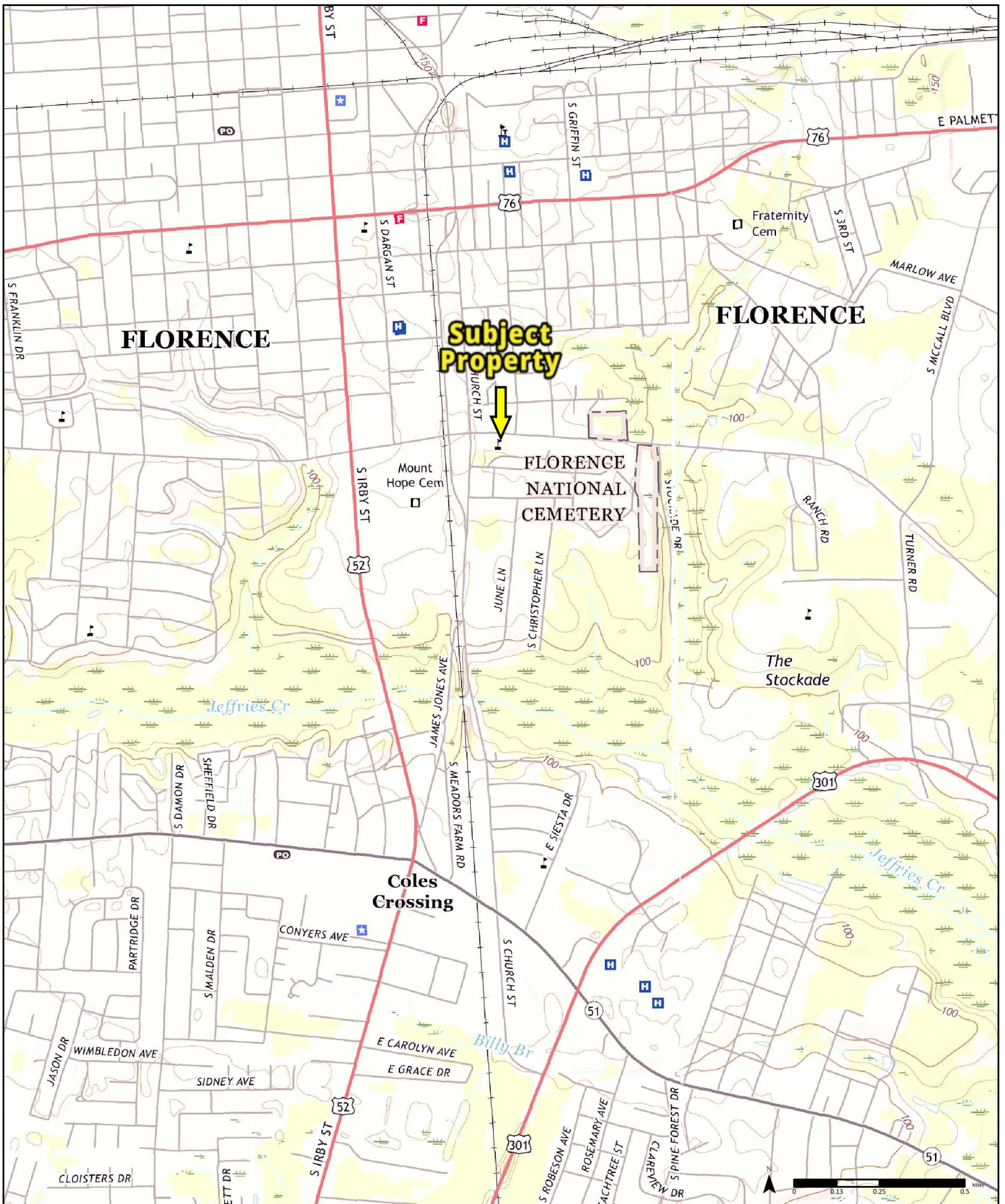
Order No. 25061100519



2014

Available Quadrangle(s): Florence West, SC
Florence East, SC

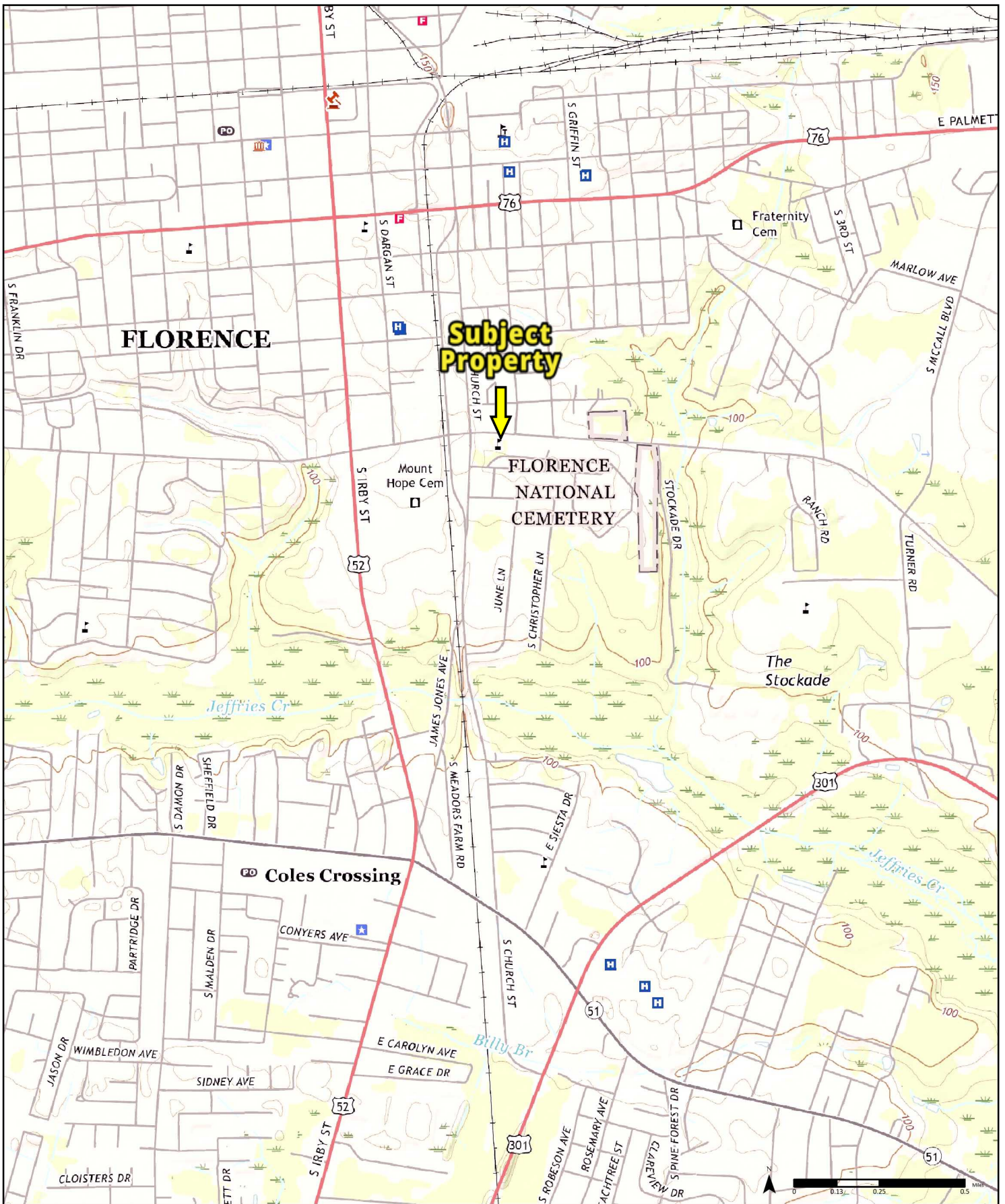
Order No. 25061100519



2017

Available Quadrangle(s): Florence West, SC
 Florence East, SC

Order No. 25061100519



2020

Available Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 25061100519

Site Information for UST14312 - RENTAL UNIFORM SERVICE

Basic

Business Address	906 S CHURCH ST FLORENCE SC 29504	County	Florence
Category	Non-Retail Operation		
Phone	843-669-4444	Last Inspection	Not Available
Tank Owner Business Address	RENTAL UNIFORM SERVICE 906 S CHURCH ST SC FLORENCE 29504	Tank Owner Phone	843-669-4444
Land Owner Business Address	Not Available	Land Owner Phone	Not Available
Operator Business Address	Not Available	Operator Phone	Not Available
Tanks	4	Billable	0
		Abandoned	4
		Other	0

Financial Responsibility

[Show/Hide Financials](#)

Tanks

[Show/Hide Tanks](#)

Releases

[Show/Hide Releases](#)

Release No.	1						
Reported	12/31/1991	Status	Confirmed - Inactive	Product	Petroleum	Compliance Req?	False
NFA	10/25/1993	Fin Type	Not Available	RBCA / Score	Not Available	Compliance Met	False
Confirmed	6/11/1992	Emergency Resp.	Not Available	Superb Qualified	True	Compliance Date	Not Available
Cleanup Initiated	3/12/1993	Abatement Met	12/13/1991	Superb Determ. Date	10/27/1994	Fin. Res. Mechanism	Not Available
Cleanup Complete	10/25/1993	Transferred	Not Available	Project Manager	John Wright		
Cleanup > MCL	Not Available	Source	UST	Responsible Party	RENTAL UNIFORM SERVICE		

Tanks

[Show/Hide Tanks](#)

Tank No.	1						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	Not Available	Capacity	20000	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Gasoline	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	Not Available	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Rental Uniform Service	Last Use	Not Available
Aband.	12/13/1991	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Tank No.	2						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	Not Available	Capacity	20000	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Diesel Fuel	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	Not Available	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Rental Uniform Service	Last Use	Not Available
Aband.	12/16/1991	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Tank No.	3						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	Not Available	Capacity	12000	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Diesel Fuel	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	Not Available	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Rental Uniform Service	Last Use	Not Available
Aband.	12/16/1991	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Tank No.	4						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	Not Available	Capacity	500	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Waste Oil, Burnt Oil, Used Oil	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	Not Available	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Rental Uniform Service	Last Use	Not Available
Aband.	12/16/1991	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Releases

[Show/Hide Releases](#)

Site Information for UST03371 - PET DAIRY

Basic

Business Address	1100 S CHURCH ST FLORENCE SC 29506	County	Florence
Category	Non-Retail Operation		
Phone	843-665-6866	Last Inspection	Not Available
Tank Owner Business Address	FLAV O RICH DAIRY PO BOX 3785 EAU CLAIR STATION SC COLUMBIA 29230-3785	Tank Owner Phone	Not Available
Land Owner Business Address	Not Available	Land Owner Phone	Not Available
Operator Business Address	Not Available	Operator Phone	Not Available
Tanks	5	Billable	0
		Abandoned	5
		Other	0

Financial Responsibility

[Show/Hide Financials](#)

Tanks

[Show/Hide Tanks](#)

Releases

[Show/Hide Releases](#)

Release No.	1						
Reported	4/9/1993	Status	Confirmed - Inactive	Product	Petroleum	Compliance Req?	False
NFA	11/18/1993	Fin Type	Unknown	RBCA / Score	Not Available	Compliance Met	False
Confirmed	11/9/1993	Emergency Resp.	Not Available	Superb Qualified	True	Compliance Date	Not Available
Cleanup Initiated	11/9/1993	Abatement Met	4/8/1993	Superb Determ. Date	11/9/1994	Fin. Res. Mechanism	Not Available
Cleanup Complete	11/18/1993	Transferred	Not Available	Project Manager	Pamela M Dubois		
Cleanup > MCL	Not Available	Source	UST	Responsible Party	MID-AMERICA DAIRYMEN INC		

Financial Responsibility

[Show/Hide Financials](#)

Tanks

[Show/Hide Tanks](#)

Tank No.	1						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	5/27/1987	Capacity	10000	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Diesel Fuel	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	25	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Pet Dairy	Last Use	Not Available
Aband.	4/8/1993	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Tank No.	2						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	5/27/1987	Capacity	8000	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Gasoline	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	25	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Pet Dairy	Last Use	Not Available
Aband.	4/8/1993	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Tank No.	3						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	5/27/1987	Capacity	10000	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Diesel Fuel	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	20	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Pet Dairy	Last Use	Not Available
Aband.	4/8/1993	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Tank No.	4						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	5/27/1987	Capacity	10000	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Diesel Fuel	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	20	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Pet Dairy	Last Use	Not Available
Aband.	4/8/1993	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Tank No.	5						
Constr. Date	Not Available	Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date	Not Available	Status	Abandoned	Tank Protect.	Not Available	Tested	Not Available
Pipe Protect.	Not Available	Tested	Not Available				
Notify	5/27/1987	Capacity	500	Tank Cont. Meth.	Single Wall	Pipe Cont. Meth.	Single Wall
Variance	Not Available	Product	Waste Oil, Burnt Oil, Used Oil	Overfill Type	Not Available	Verified	Not Available
Piping type	Not Available						
Compliance	Not Available	Comp. Status	Not Available	Age at Notification	15	Dist. to Well (feet)	Not Available
Spill Prevention	Not Available	Left Gal.	Not Available	Owner at ABD	Pet Dairy	Last Use	Not Available
Aband.	4/8/1993	Method	Removed	CAS No.	Not Available	Chem.	Not Available
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.	Not Available	Pipe Leak Det.	Not Available
Misc Test/Checks	Not Available						

Releases

[Show/Hide Releases](#)

BUILDING and PLANNING DEPARTMENT
RECORDS REQUEST
6/17/2025

City of Florence:

BUILDING & PLANNING & FIRE DEPARTMENT:

I am conducting a Phase I ESA on the Churchill Apartments multi-family property:

900-1200 block of June Lane

400 block of Prout Drive on two parcels as follows:

Florence County parcels 00149-01-006 and 007

(map attached)

If available,

I am interested in reviewing any of the following documents for the property:

Current and Previous...

- building permits / demolition permits / violations
- zoning
- certificates of occupancy
- demolition permits
- septic permits
- environmental liens
- activity/use limitations (AULs)
- Fire Dept Hazmat or Petroleum Spill records

I appreciate anything you may be able to provide.

Sincerely,

Amanda Hynes

Amanda@HynesEnvironmental.com

(843) 458-1272

McElveen's Auto

Parcel

0014901006 and 007

1117 June Lane

Florence, SC

29-acres

S Rd S:21-5-5-2

June Ln

Subject Property

Florence Police
Neighborhood

June Ln

Apartment of
Church Hill Apartments
Recently viewed

Church Hill Apts
Recently viewed

S Church St

June Ln

Florence Stock
Visitor Center

Effies Creek

Freedom of Information Act Request

Date of request *

6/17/2025



Request Submitted By *

- ☐ Online Form ☐ Email ☐ U.S. Mail ☐ Fax
☐ In-Person

Name of Requestor *

Amanda

Hynes

Requestor's Organization/Agency/Firm

Partner Engineering

Representing *

Self / Client's Name

Street Address of Requestor *

2411 N Oak Street

Suite 305B

Myrtle Beach

South Carolina



29577

Phone Number of Requestor *

(843) 458-1272

Email of Requestor *

Amanda@HynesEnvironmental.com

What records are you requesting? *

City of Florence:
BUILDING & PLANNING & FIRE DEPARTMENT:

I am conducting a Phase I ESA on the Churchill Apartments multi-family property:
900-1200 block of June Lane
400 block of Prout Drive on two parcels as follows:
Florence County parcels 00149-01-006 and 007
(map attached)

If available,
I am interested in reviewing any of the following documents for the property:

Current and Previous...

- building permits / demolition permits / violations
- zoning
- certificates of occupancy
- demolition permits
- septic permits
- environmental liens
- activity/use limitations (AULs)
- Fire Dept Hazmat or Petroleum Spill records

I appreciate anything you may be able to provide.

Provide as much specific detail as possible so the City of Florence can identify the information which you are seeking. A submittal that is vague or incomplete will delay the request process.

Is this request for a commercial purpose?

☐ Yes ☒ No

It is a violation of the Freedom of Information Act for a person to knowingly obtain a public record for a commercial purpose without disclosing that it is for a

Apply For / Start a

Annexation

Building Permit

Business License

CARE Program

CityU Application

Employment

FOIA

Rental Permit

Veterans Park Plaque

Water/Sewer Service

Zoning Compliance Permit

RECORDS REQUEST
SCDES Online Request Form
6/13/2025

SCDES:

Regarding the following property (MAP ATTACHED):

SITE #1

Rental Uniform Service
906 S. Church Street, Florence, SC
17.06-acres
VCP (6/30/2016)

OWNER: RUSF, LLC
TMS: 00149-01-009

I'm interested in information regarding the status of their entry into the
VOLUNTARY CLEANUP PROGRAM please.

Thank you for your assistance.
-Amanda Hynes
Partner Engineering
(843) 458-1272

1100 S. Church Street
Florence, SC
OWNER: City of Florence
TMS: 00149-01-005
VCP 10/15/2020

RECORDS REQUEST
SCDES Online Request Form
6/13/2025

SCDES:

Regarding the following property (MAP ATTACHED)

SITE #2

Land-o-Sun Dairies, LLC
1100 S. Church Steet, Florence, SC
5.59-acres
VCP (10/15/2020)

OWNER: City of Florence
TMS: 00149-01-005

I'm interested in information regarding the status of their entry into the
VOLUNTARY CLEANUP PROGRAM please.

Thank you for your assistance.

-Amanda Hynes
Partner Engineering
(843) 458-1272

1100 S. Church Street
Florence, SC
OWNER: City of Florence
TMS: 00149-01-005
VCP 10/15/2020

RECORDS REQUEST
SCDES Online Request Form
6/13/2025

SCDES:

I am conducting a Phase I ESA on the Churchill Apartments multi-family property:
900-1200 block of June Lane
400 block of Prout Drive on two parcels as follows:
Florence County parcels 00149-01-006 and 007
(map attached)

If available, I'm interested in reviewing any of the following documents for the property:

- existing or former UST registration
- existing or past documentation of UST release
- existing or past Permits or Violations
- ongoing or past Remediation Activities
- environmental liens
- activity/use limitations (AULs)
- septic permits

Thank you for your assistance.

-Amanda Hynes

Partner Engineering

(843) 458-1272

McElveen's Auto

Parcel

0014901006 and 007

1117 June Lane

Florence, SC

29-acres

S Rd S:21-5-5-2

June Ln

Subject Property

Florence Police
Neighborhood

June Ln

Apartment of
Church Hill Apartments
Recently viewed

Church Hill Apts
Recently viewed

S Church St

June Ln

Florence Stock
Visitor Center

Effies Creek

Contact Information

First Name

Amanda

MI

Last Name

Hynes

Address Line 1

2411 N Oak Street

Address Line 2

Suite 305B

City

Myrtle Beach

State

South Carolina

Zip

29577

Email

Amanda@HynesEnvironmental.com

Work Phone

8434581272

Company Name

Partner Engineering

Freedom of Information Request Form

Customer Service: (803) 898-3882

Date

6/13/2025

Requested Information

Specific Documents

What is the period of time for the records/file review requested?

Great than 24 Months

Facility or project name:

unknown

Facility address:

1117 June Lane
Florence, SC

County

Florence



DES file custodian/staff contact if known:

unknown

Description of document or files requested:

SCDES:

I am conducting a Phase I ESA on the Churchill Apartments multi-family property:
900-1200 block of June Lane
400 block of Prout Drive on two parcels as follows:
Florence County parcels 00149-01-006 and 007
(map attached)

If available, I'm interested in reviewing any of the following documents for the property:

- existing or former UST registration
- existing or past documentation of UST release
- existing or past Permits or Violations
- ongoing or past Remediation Activities
- environmental liens
- activity/use limitations (AULs)
- septic permits

Thank you for your assistance.

Aracelis Huesca

Please upload any relevant attachments that can assist with your FOI Request.

Remove

FOIA_SCDES_2025June13_subject property.pdf (169449 bytes)

Upload File

No file chosen

Upload File

No file chosen

Family Privacy Protection Act Statement

* The Family Privacy Protection Act, SC Code Section 30-2-50, prohibits any person or private entity from knowingly obtaining or using any personal information obtained from our agency for commercial solicitation directed to any person in the State. Violation of this law is a crime.

I have read and understand this statement. I am not requesting this information for the purposes of commercial solicitation in violation of the law.

☐ I Agree.

Personal information provided in this document is subject to public scrutiny or release.

Sign using your mouse or finger...

Allynes

Clear

Submit

Date: Jun 13, 2025

Florence County Taxes Inquiry

Time: 14:15

Map/Block/Parcel 00149 01 007

Property Card File

Year 2017 File

Close This Window

FLORENCE COUNTY TAX ASSESSOR

Property Card Record for MBP: 00149-01-007 TAX YEAR: 2023 9/16/23 8:31:34 PAGE: 15896

----- PROPERTY LOCATION Address ----- PROPERTY BILLING NAME/ADDRESS ===

Number: 60000 Suffix:

HOUSING AUTHORITY OF

Street Name: 00000000 Street Suffix:

FLORENCE

City: State: Zip: 00000 0000

PO DRAWER 969

District: 110 Land Class: CI COMMERCIAL IMPROVED

FLORENCE SC 29503

Legal Desc: CHURCH HILL

Land Characteristic Selections

01 Topography 1 Level

02 Street 1 Paved

03 Utilities 1 All Public Utilities

04 Fronting Traffic 4 Med.

05 Ownership 2 Unknown

L A N D Gross Acres: Site Value .00

--- Totals for MBP ---

Buildings: 0 Building Value: .00 Land Market Value: 350,000.00

Market Acres: .00 Use Acres: .00 Land Use Value: .00

Bld/Land Use Total: .00 Bld/Land Mar.Total: 350,000.00 6% Bld Value: 0 # of 6% Blds: 0

Rental Acres: 0 Rental Acres Value: 0 Ren.Acres-Mar: 0 Ren.Acres Value-Mar: 0

Date: Jun 17, 2025

Florence County Taxes Inquiry

Time: 13:54

Map/Block/Parcel 00149 01 006

Property Card File

Year 2017 File

Close This Window

FLORENCE COUNTY TAX ASSESSOR

Property Card Record for MBP: 00149-01-006 TAX YEAR: 2023 9/16/23 8:31:34 PAGE: 15895

----- PROPERTY LOCATION Address -----== PROPERTY BILLING NAME/ADDRESS ==

Number: 01117 Suffix:

Street Name: JUNE Street Suffix: LN

City: FLORENCE State: SC Zip: 00000 0000

District: 110 Land Class: CI COMMERCIAL IMPROVED

Legal Desc: OFF CHURCH ST

HOUSING AUTHORITY OF

FLORENCE

PO DRAWER 969

FLORENCE SC 29503

Land Characteristic Selections

01 Topography 1 Level

02 Street 1 Paved

03 Utilities 1 All Public Utilities

04 Fronting Traffic 4 Med.

05 Ownership 2 Unknown

L A N D Gross Acres: Site Value .00

--- Totals for MBP ---

Buildings: 0 Building Value: .00 Land Market Value: 50,000.00

Market Acres: .00 Use Acres: .00 Land Use Value: .00

Bld/Land Use Total: .00 Bld/Land Mar.Total: 50,000.00 6% Bld Value: 0 # of 6% Blds: 0

Rental Acres: 0 Rental Acres Value: 0 Ren.Acres-Mar: 0 Ren.Acres Value-Mar: 0

The City of Florence Has Never Violated Drinking Water Standards for Lead

Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Florence is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact City of Florence at (843) 665-3236. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.



Where Your Water Comes From

The City of Florence relies on the McQueen Branch Aquifer as its primary drinking water source, serving about 79,745 people, including 30,671 households and 3,491 businesses. Approximately 60% of the city's water comes from groundwater wells, while the Frank E. Willis Pee Dee River Regional Surface Water Plant, which utilizes the Pee Dee River, contributes the remaining 40%. Together, these resources sustain Florence's vibrant community.

Florence City Council

The Florence City Council governs public utilities and ensures compliance with federal and state regulations. Meetings are held on the second Monday of each month in the Council Chambers at 324 West Evans St. Customers, and the public are strongly encouraged to attend.

If You Have Special Health Concerns

Certain individuals, including those with weakened immune systems, older adults, and parents of infants, may be more vulnerable to contaminants in drinking water. It is advisable for them to consult healthcare providers for personalized guidance.

The Environmental Protection Agency (EPA) and the Centers for Disease Control and Prevention (CDC) provide resources to help minimize the risk of infections from Cryptosporidium and other microorganisms.

For more information, please call the Safe Drinking Water Hotline at 1-800-426-4791. Your health and safety are important!

About This Report

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. To ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

What's In Your Drinking Water

The City of Florence's water system has prepared a source water assessment report. Malcolm Cook at (843) 665-3236 can provide the information.

2024 Water Quality Report

Florence's City Manager, Scotty Davis, is pleased to announce the release of the 2024 Water Quality Report, which informs water customers about the high quality, safe drinking water delivered each day. Davis emphasized that the city's water supply met all drinking water regulatory requirements in 2024. Additionally, Davis reinforced his commitment to Florence water customers, citing clean water availability as an essential service the City must continue to provide.

The data collected by the City of Florence undergoes thorough scientific analysis and validation by the South Carolina Department of Environmental Services (SCDES).

The report presents results from rigorous testing conducted throughout 2024, showcasing the City's dedication to delivering high quality water and enhancing residents' quality of life. A detailed table of sampling data is included for transparency.



FULL LIFE. FULL FORWARD.
FLORENCE
SOUTH CAROLINA

2024 City of Florence Water Quality Report



Fundamentally Committed to Water Quality



www.cityofflorence.com

Fluoride

Fluoride is a naturally occurring element that helps prevent tooth decay. To maintain an acceptable level of fluoride a small amount of fluoride is added during the water treatment process, as recommended by the American Medical Association (AMA) and the American Dental Association (ADA).

Table Definitions

90 th Percentile	Of all samples analyzed, 90 percent were at or below the detection level.
AL	Action Level. The concentration of contaminant that, if exceeded, triggers treatment or other requirements, which a water system must follow.
ALG	Action Level Goal. The level of contaminant in drinking water below which there is no known or expected health risk.
DBPR	Disinfectant By product Rule.
HAA5	Halo Acetic Acids.
LRAA	Locational Running Annual Average.
MCL	Maximum Contaminant Level. The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
MCLG	Maximum Contaminant Level Goal. The level of contaminant in drinking water below which there is no known or expected health risk. MCLGs provide a margin of safety.
MRDL	Maximum Residual Disinfectant Level. Highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of disinfectant is necessary for control of microbial contaminants.
MRDLG	Maximum Residual Disinfectant Level Goal. Level of drinking water disinfectant below which there is no known risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
ND	Non-Detected. No measurable level of substance or contaminant detected.
NTU	Nephelometric Turbidity Unit. Units of measure to indicate water clarity.
PPB	Parts Per Billion. The equivalent of one penny in \$10,000,000 or 1 minute in 2,000 years.
PPM	Parts Per Million. The equivalent of 1 penny in \$10,000 or 1 minute in 2 years.
TT	Treatment Technique. Required process intended to reduce the level of a contaminant in drinking water.
TTHM	Total Trihalomethanes.

2024 Water Quality Sampling Results

The following table shows actual sampling results for substances detected in the Florence water systems for the period Jan. 1 to Dec. 31, 2024, compared with state and federal health and safety standards for those substances.

WATER QUALITY DATA TABLE

Lead and Copper—Inorganic Contaminants								
Contaminants (unit of measure)	ALG	AL	90 th percentile	Range	# Samples Exceeding AL	Exceeds AL (Yes/No)	Sample Date	Typical Source
Copper-action level at consumer taps (ppm)	1.3	1.3	0.39	0.02 - 1.7	1	No	2024	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead-action level at consumer taps (ppb)	0	15	1.1	0 - 2.3	0	No	2024	Corrosion of household plumbing systems. Erosion of natural deposits.

Chemical and Radionuclide Constituents							
Contaminants (unit of measure)	MCLG or MRDLG	MCL, TT, or MRDL	Detect in Your Water	Range	Violation (Yes or No)	Sample Date	Typical Source
Nitrate (ppm)	10	10	0.78	0 - 0.78	No	2024	Runoff from fertilizer use. Erosion of natural deposits.
Sodium (ppm) [unregulated]	NA	NA	26.0	N/A	No	2024	Naturally occurring.
Combined Radium 226/228 (pCi/L)	0	5	0.372	0.0 - 0.372	No	2023	Erosion of natural deposits.
Fluoride (ppm)	4	4	1.25	0.0-1.25	No	2024	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
*The MCL for beta particles is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles. Because the beta particle results were below 50 pCi/L, no testing for individual beta particle constituents was required.							

Disinfectant and Disinfection By-Products							
Contaminants (unit of measure)	MCLG or MRDLG	MCL, TT, or MRDL	Detect in Your Water	Range	Violation (Yes or No)	Sample Date	Typical Source
Chlorine (ppm)	4	4	0.87 RAA	0.80 - 0.98	No	2024	Water additive used to control microbes.
HAA5 [Haloacetic Acids] (HAA5)(ppb)	No goal for the total	60	18 LRAA	0 - 30.8	No	2024	By-product of drinking water chlorination.
TTHMs [Total Trihalomethanes] (ppb)	No goal for the total	80	74 LRAA	0 - 91.5	No	2024	By-product of drinking water disinfection.

Pee Dee River Surface Water Plant Data

Turbidity	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.27 NTU	No	Soil runoff
Lowest monthly % meeting limit	0.09 NTU	100.000%	No	Soil runoff
Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration.				
Total Organic Carbon Information for the percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.				

Search Results—Products for FLORENCE, CITY OF

[Show ALL Products »](#)

The flood map for the selected area is number **45041C0142E**, effective on **12/16/2014**

DYNAMIC MAP



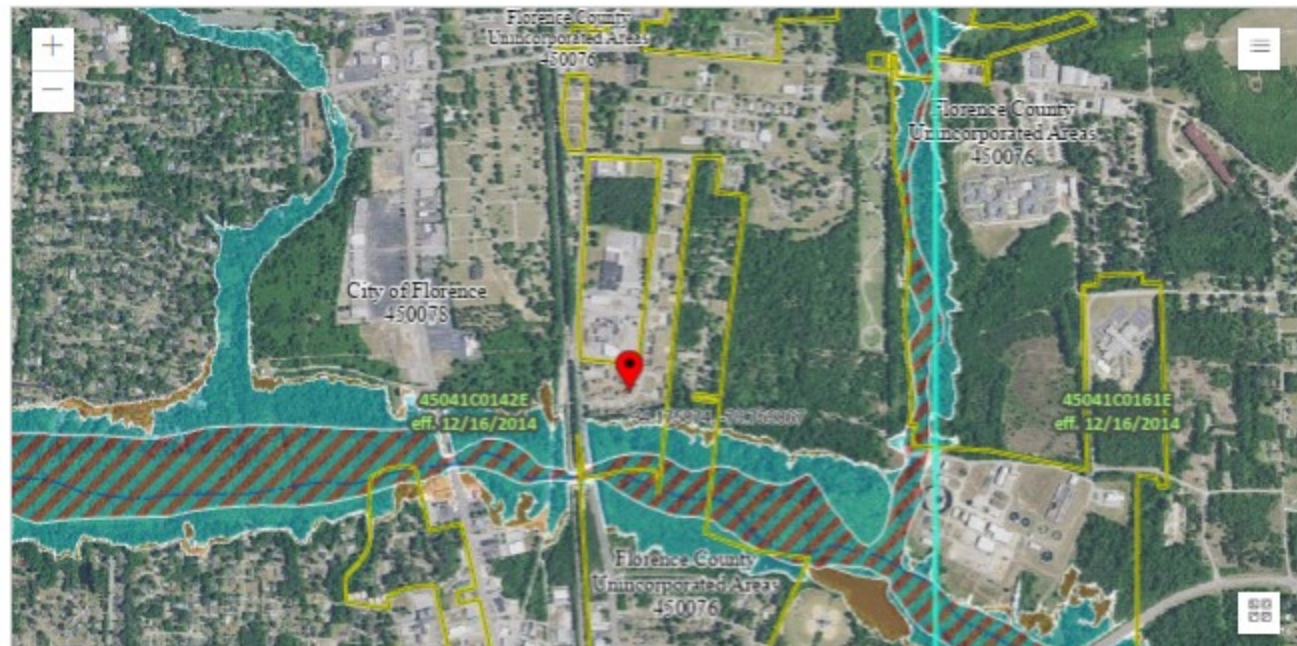
MAP IMAGE



Changes to this FIRM

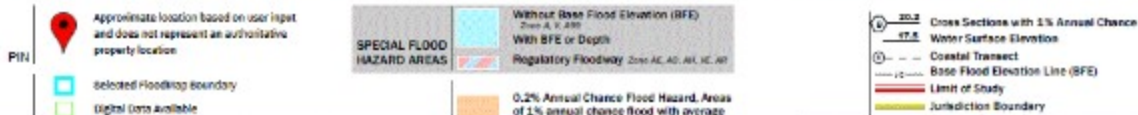
- Revisions (0)
- Amendments (3)
- Revalidations (2)

You can choose a new flood map or move the location pin by selecting a different location on the locator map below or by entering a new location in the search field above. It may take a minute or more during peak hours to generate a dynamic FIRMette.

[Go To NFHL Viewer »](#)


USDA, USGS The National Map: Orthoimagery. Data refreshed June, 2024.

Powered by Esri



NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Lambert Conformal Conic State Plane South Carolina FIPS 3900. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NIMS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at <http://www.ngs.noaa.gov/>.

Base map information shown on this FIRM was provided in digital format by Florence County, South Carolina.




This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels, community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the **FEMA Mapping Information eXchange** at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service website at <http://www.msc.fema.gov/>. Available products may include previously issued Letters of Map Change, a Flood Insurance Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information eXchange.


The "profile base lines" depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.


DNR
This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of South Carolina and the Federal Emergency Management Agency (FEMA). The State of South Carolina has implemented a long term approach of floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the local level. As a part of this effort, the State of South Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

<http://www.dnr.state.sc.us/>



LEGEND

 SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance or greater flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.

- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

 FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

 OTHER FLOOD AREAS

- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

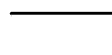
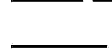
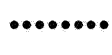

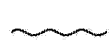

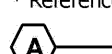
 OTHER AREAS

- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.

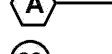
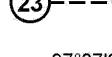
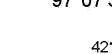
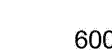



 COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

 OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

-  Floodplain boundary
-  Floodway boundary
-  Zone D boundary
-  CBRS and OPA boundary
-  Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
-  Base Flood Elevation line and value; elevation in feet*
-  Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

-  Cross section line
-  Transect line
-  Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
-  1000-meter Universal Transverse Mercator grid ticks, zone 17
-  5000-foot grid values; South Carolina State Plane coordinate system (FIPSZONE = 3900), Lambert projection
-  Bench mark (see explanation in Notes to Users section of this FIRM panel)
-  River Mile

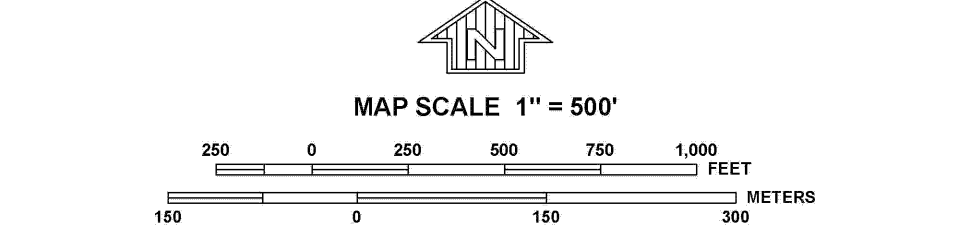
MAP REPOSITORIES
Refer to Map Repositories List on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
December 16, 2004

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
December 16, 2014, to update corporate limits, to change Base Flood Elevations, to add Base Flood Elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to update roads and road names, to reflect updated topographic information, and to change floodway.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0142E

FIRM
FLOOD INSURANCE RATE MAP
FLORENCE COUNTY,
SOUTH CAROLINA
AND INCORPORATED AREAS

PANEL 142 OF 565
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)


CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
FLORENCE COUNTY	450076	0142	E
FLORENCE, CITY OF	450078	0142	E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
45041C0142E

MAP REVISED
DECEMBER 16, 2014


Federal Emergency Management Agency

Search

Map Unit Legend

Florence County, South Carolina (SC041)			
Florence County, South Carolina (SC041)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
NoA	Norfolk loamy sand, 0 to 2 percent slopes	11.6	29.3%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	6.0	15.2%
Os	Osier loamy sand	10.8	27.4%
WgB	Wagram sand, 0 to 6 percent slopes	7.7	19.5%
Wn	Wehadkee and Johnston soils, frequently flooded	3.4	8.6%
Totals for Area of Interest		39.5	100.0%

Soil Map

Scale (not to scale)





National Wetlands Inventory

surface waters and wetlands

ABOUT

GET DATA

PRINT

FIND LOCATION

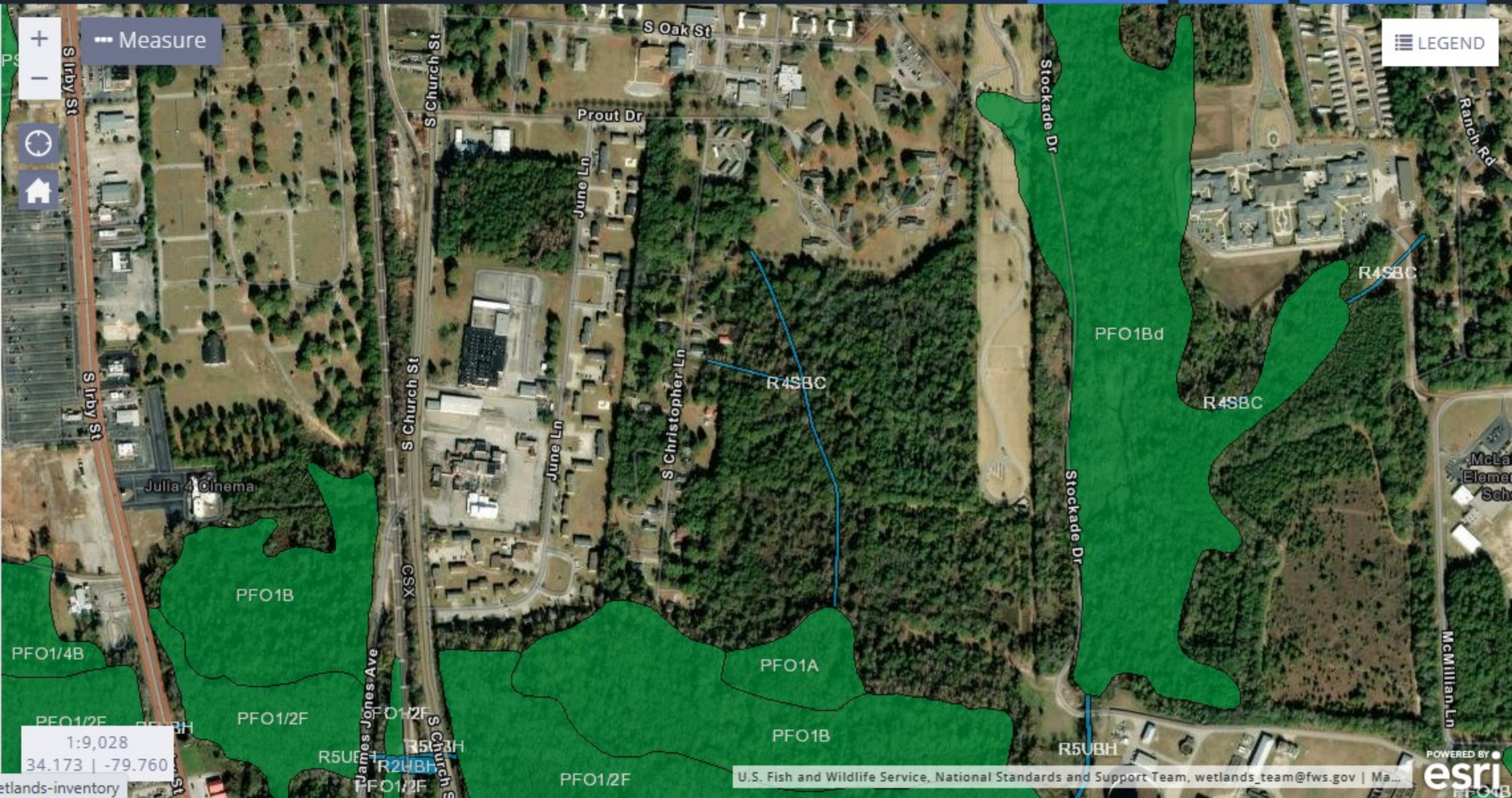
BASEMAPS >

MAP LAYERS >

- ☒ Wetlands
- ☒ Riparian
- ☐ Riparian Mapping Areas
- ☒ Data Source
 - Source Type
 - Image Scale
 - Image Year
- ☐ Areas of Interest
- ☐ FWS Managed Lands

Measure

LEGEND



From: Robert MacPhee <robert.macphee@gel.com>
Sent: Friday, April 26, 2024 1:44 PM
To: Kuhn, Kimberly M. <kuhnkm@dhec.sc.gov>
Cc: thomas.putney@gel.com <thomas.putney@gel.com>; Berresford, Lucas <berresjl@dhec.sc.gov>
Subject: Rental Uniform - 2023 Monitoring Report

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***
Kim,

Below is a link to the 2023 Monitoring Report.

[https://clientftp.gel.com/main.html?download&weblink=7042574ea17ccffe0c6bfebd00e173&realfilename=2023\\$20Monitoring\\$20Report\\$20-\\$20Rental\\$20Uniform-Final\\$204-26-24.pdf](https://clientftp.gel.com/main.html?download&weblink=7042574ea17ccffe0c6bfebd00e173&realfilename=2023$20Monitoring$20Report$20-$20Rental$20Uniform-Final$204-26-24.pdf)

let me know if you have any trouble opening the file.

We look forward to meeting with you next week.

Have a great weekend,

Bob

Robert E. MacPhee, Principal



111 Suite J Smith Hines Road, Greenville, SC
Office: 864.676.2202 | Cell: 864.477.9243
Environmental | Engineering | Surveying



Email Scanned
PM Copy

2023 GROUNDWATER MONITORING REPORT

Former Rental Uniform Service
906 South Church Street
Florence, South Carolina 29506
VCC 16-6247-RP

Submitted to:

Site Assessment, Remediation, and Revitalization Division
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

On behalf of:

RUSF, LLC
P.O. box 12410
Florence, SC 29506

April 26, 2024

2023 Groundwater Monitoring Report

Former Rental Uniform Service
906 South Church Street
Florence, South Carolina 29506
VCC 16-6247-RP

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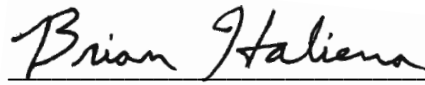
FIGURES

- 1 Site Location Map
- 2 Location of Interim Action Injection Points
- 3 Hydrographs – Injection Area and Downgradient Monitoring Wells
- 4 Tetrachlorethylene Isoconcentration Map – November 2023
- 5 Trichlorethylene Isoconcentration Map – November 2023
- 6 Cis-1,2-Dichloroethylene Isoconcentration Map – November 2023
- 7 Vinyl chloride Isoconcentration Map – November 2023
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- 13 Trichloroethylene Isoconcentration Map – November 2023
- 14 Cis-1,2-Dichloroethylene Isoconcentration Map – November 2023
- 15 Vinyl Chloride Isoconcentration Map – November 2023

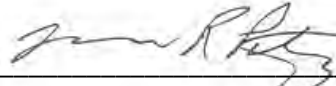
SIGNATURE PAGE

This document, entitled "2023 Groundwater Monitoring Report," has been prepared for the former Rental Uniform Site located in Florence, South Carolina. It has been prepared at the request of and exclusive use of RUSF, LLC and the South Carolina Department of Health and Environmental Control. It has been prepared in accordance with accepted quality control practices and has been reviewed by the undersigned.

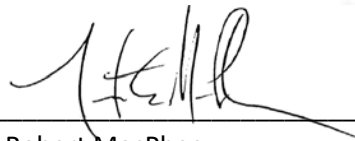
GEL Engineering, LLC
a Member of The GEL Group, Inc.



Brian P. Haliena, P.E.
Senior Engineer
South Carolina License #33087



Thomas R. Putney, P.G.
Senior Hydrogeologist
South Carolina License #2272



Robert MacPhee
Principal

April 26, 2024

Date

EXECUTIVE SUMMARY

The Rental Uniform Service (RUS) facility is located at 906 South Church Street, in Florence, Florence County, South Carolina (Site). Previous environmental assessments have identified chlorinated volatile organic compounds (CVOCs) in soil and groundwater at the RUS facility related to former dry-cleaning activities. Based on data generated during previous soil and groundwater assessments conducted since 2013 on the Site and adjacent downgradient properties, RUS proposed an Interim Action to begin immediate reduction of contaminant mass in the source area identified in and near the southern portion of the RUS Building. The Interim Action also serves as a pilot study to evaluate the effectiveness of using chemical reduction and bioremediation technologies to remove CVOc mass from the source area.

Six temporary injection points were installed in source area soils at the site from September 14-16, 2020. Injections consisted of emulsified colloidal zero valent iron (EZVI) to treat dense non-aqueous phase liquid (DNAPL) and soluble biodegradation amendment materials with colloidal zero valent iron (ZVI) to treat dissolved-phase CVOcs.

The following conclusions are offered based on three years of post-injection monitoring conducted after implementation of an Interim Action consisting of injection of EZVI and ISCR amendments at the RUS Site in September 2020:

- The Interim Action injections have been effective at biotic and abiotic treatment of CVOcs in the source area identified in the southern portion of the former RUS building.
- When compared to the October 2022 results, the November 2023 monitoring results indicate that the plume remains steady to declining due to the Interim Action injections.
- The effects of the injections, as indicated by the presence of various geochemical parameters in groundwater indicating reducing conditions in the wells near the injection areas (RUS-MW-06, -MW-12, -MW-13, -MW-16, and -MW-24), were observed within approximately 6 weeks of the injections. Injection effects were first observed in wells farther downgradient of the injection points by January 2021 (PD-MW-16) and September 2021 (RUS-MW-14, -MW-25, and -MW-26). Geochemical parameters in and downgradient of the injection areas remain in ranges conducive to biodegradation.
- Concentrations of the parent product PCE have decreased by 34- 98% in the wells nearest the injection areas (RUS-MW-12, -13, -16, and -24); TCE concentrations have decreased by 30-89% in all but one of the wells [RUS-MW-16; 640% increase]; concentrations of daughter product cis-1,2-DCE decreased by 22-65% in two (RUS-MW-13 and RUS-MW-24) of the four wells and increased in the others; and the daughter product VC increased in three of the four wells due to the reductive dechlorination of the parent compounds. Ethene, the final innocuous product of reductive dechlorination of PCE has been detected at increasing concentrations in three of the four wells indicating that complete reductive dechlorination is still occurring in the injection areas.

- In wells downgradient from the injections (RUS-MW-06, -MW-14, -MW-25, and -MW-26) concentrations of PCE have increased in wells RUS-MW-06 and RUS-MW-26, and have decreased by 57-91% in RUS-MW-14 and RUS-MW-25. TCE has increased in three of the four wells, and cis-1,2-DCE and VC have increased in all of the wells. Increases in PCE and TCE may be the result of untreated groundwater entering the area from upgradient, with increases in daughter products (cis-1,2-DCE and VC) indicating that reductive dechlorination is occurring. Ethene was detected at elevated concentrations indicating that complete dechlorination is occurring downgradient of the injection areas.
- CVOC trends observed in the downgradient wells may be a result of: 1) push-out of groundwater with higher concentrations by the injections in the upgradient treatment area, 2) downgradient migration of groundwater from areas or vertical intervals not treated by the injections or 3) migration of upgradient treated groundwater with higher concentrations of breakdown products (TCE, cis-1,2-DCE, and VC).
- Elevated iron concentrations which were identified in the injection area wells after the injections have decreased but remain above background in most wells. Dissolved iron remains relatively elevated in the downgradient wells where injection effects have been identified. Additionally, conditions are anaerobic (DO less than 1 mg/L with negative ORP) and pH is greater than 6 SU across most of the injection area and downgradient wells, which are conducive to the continued biotic reductive dechlorination of CVOCs. TOC remains above background levels in most of the injection area and downgradient wells but has decreased significantly over the three-year monitoring period, indicating that the 2020 nutrient injections are being consumed.
- The presence of ethane, ethene, and chloride, the final innocuous breakdown products of CVOCs, at concentrations exceeding background concentrations in most injection area and downgradient wells is positive evidence of the continued and complete biodegradation of these compounds.
- Microbial analysis indicates that microbes capable of reductive dechlorination are present at high concentrations near the source area and at lower concentrations in downgradient wells. However, the absence of detected VC reductase functional genes may be a reason for accumulation of VC in some wells.
- Comprehensive isoconcentration maps for PCE and its degradation products TCE, Cis-1,2-DCE, and VC show that the degradation product plumes are coincident with the PCE plume but are less extensive and occur along the axis of the PCE plume downgradient of the apparent source in the RUSF building, with all but the VC plume extending across the LOSD and HA sites. The VC plume is limited to the source area in the southern portion of the RUSF building and to wells in the northern portion of the LOSD site.
- When compared to the results of the previous comprehensive monitoring event conducted in July 2022, overall CVOC concentrations have decreased in most onsite and offsite monitoring wells. However, PCE concentrations have remained steady or slightly increased in some onsite wells near the Interim Action injections (RUS- 16, -MW-19, -MW-

21, -MW-25) and in some downgradient offsite wells (PD-MW-02, -MW-09, - MW-09I, - MW-16, -MW-16A, HA-MW-01, -MW-02, -MW-03). TCE, cis-1,2-DCE, and VC remain elevated in three of the four source area wells due to reductive dechlorination resulting from the Interim Action.

RECOMMENDATIONS

Based on the November 2023 monitoring results the following recommendations are offered:

- Underground utilities in the southern portion of the RUS site need to be located and surveyed so that potential preferential groundwater pathways from this area can be evaluated.
- Collect and analyze sub-slab soil samples from within the rooms south of the former trenches in the RUS building (shown on Figure 2) to better define the depth and extent of CVOC impact in soil above the water table.
- Additional groundwater and soil sampling in the southern portion of the RUS Site at depths below 25 feet bls should be conducted to delineate the vertical extent of CVOC impact and to determine if a confining unit is present beneath that portion of the Site.
- Alternative injection methods should be evaluated that may be able to penetrate dense silty clays below 25 feet bls in the source area, which could not be penetrated by direct push technology during the Interim Action injections.
- Install additional shallow monitoring wells between wells RUS-MW-06 and RUS-MW-10 to better delineate CVOC impact in that area.

1.0 INTRODUCTION

The Rental Uniform Service (RUS) facility is located at 906 South Church Street, in Florence, Florence County, South Carolina (Site). The Site consists of a parcel containing approximately 17 acres identified by Florence County Tax Map Series (TMS) number 00149-01-009, which is currently owned by RUSF, LLC (RUSF). Operations at the Site operated as a commercial laundry service until 2016. Historical operations at the Site included a commercial dry-cleaning service; however, dry cleaning operations have not been conducted at the Site since the 1970s. Currently, the facility is inactive and is not occupied.

Previous environmental assessments have identified chlorinated volatile organic compounds (CVOCs) in soil and groundwater at the RUS facility related to the former dry-cleaning activities. To address the CVOC impact, RUSF entered Responsible Party Voluntary Cleanup Contract (VCC) 16-6247-RP with the South Carolina Department of Health and Environmental Control (DHEC). The location of the Site and adjacent properties is shown on Figure 1.

CVOC groundwater impact has also been identified by previous assessments across the adjacent, downgradient properties to the south; the former Land-O-Sun Dairies, LLC (LOSD) site (1100 South Church Street), and the Housing Authority of Florence (HAF) site (June Lane). The LOSD property consists of a total of approximately 9.04 acres, which was formerly operated by Dean Foods Company as a Pet dairy. Currently, the former LOSD site is owned by South Church Property Holdings, LLC. The adjacent property to the south of the LOSD site is owned by HAF and consists of multi-family residential housing along June Lane and undeveloped forested land to the south to Jeffries Creek.

Based on data generated during previous soil and groundwater assessments conducted since 2013 on the Site and adjacent downgradient properties, RUSF proposed an Interim Action to begin immediate reduction of contaminant mass in the source area identified in and near the southern portion of the RUS Building, and to serve as a pilot study to evaluate the effectiveness of using in-situ chemical reduction and bioremediation technologies to remove CVOC mass from the source area. The Interim Action was conducted in September 2020 in accordance with the *Interim Action Work Plan*, dated September 18, 2019, which was approved by DHEC on October 10, 2019, and Underground Injection Control Permit #SCHE03020585, issued on March 31, 2020. The Interim Action and the results of an additional year of groundwater monitoring following implementation of the Interim Action were detailed in the *Injection Report for UIC Permit # SCHE03020585*, dated October 16, 2020 and the *Interim Action Monitoring Report*, dated October 29, 2021. An additional year of quarterly groundwater monitoring, with four additional wells added to the monitoring program, was approved by DHEC in its December 1, 2021 response to the *Interim Action Monitoring Report*.

The *Second Interim Action Groundwater Monitoring Report*, dated April 18, 2023, presented the results of additional post-injection groundwater monitoring conducted from January to October 2022 and a comprehensive onsite and offsite groundwater sampling event conducted in July 2022, and a Conceptual Site Model (CSM) based on previous assessment results.

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2.0 INTERIM ACTION

RUSF conducted an Interim Action/pilot study in September 2020 utilizing a combination of in-situ chemical reduction (ISCR) and enhanced biodegradation to evaluate their effectiveness at reducing CVOC mass within the highest soil and groundwater concentrations under the southern portion of the RUS building. Details of the remediation technology, implementation of the Interim Action, and pre- and post-injection monitoring results were previously reported in the Interim Action Monitoring Reports described above.

The objective of the Interim Action was to treat the source area by promoting the conditions in-situ necessary for accelerated dechlorination of CVOCs in both the unsaturated source area soils and in source area groundwater to final innocuous daughter products (ethene, ethane, and chloride) via abiotic and microbial processes. Treatment of dense non-aqueous phase liquid (DNAPL) in source area soils utilized injection of emulsified colloidal zero valent iron (EZVI) at 3 temporary injection locations (EZVI-1 through EZVI-3) shown on Figure 2. The same locations were offset by several feet (locations ISCR-1 through ISCR-3 on Figure 2) to introduce soluble biodegradation amendment materials along with colloidal zero valent iron (ZVI) to treat dissolved-phase CVOCs. The injections were conducted using temporary injection points installed with direct push technology (DPT). Details of the implemented technologies are contained in the 2021 *Interim Action Monitoring Report*.

3.0 MONITORING AND DATA COLLECTION

The results of pre-injection groundwater monitoring conducted in September 2020 and post-injection groundwater monitoring conducted in 2020, 2021, and 2022 were previously reported in the *Interim Action Monitoring Report* and *Second Interim Action Monitoring Report*. This report details an additional comprehensive groundwater monitoring event conducted on November 6-9, 2023. Groundwater elevation measurements were collected in all 57 onsite and offsite monitoring wells, except RUS-MW-12, which could not be measured due to the presence of residual injectate (vegetable oil) in the well.

After measuring groundwater levels, all monitoring wells, except RUS-MW-12, were sampled for VOCs and a subset of the wells was sampled for biodegradation indicator parameters. The following subsections provide more detail of the procedures and methods used for sample collection and analysis.

3.1 Groundwater Measurements and Sample Collection

Groundwater levels were measured at the monitoring wells from the top of casing to the nearest hundredth of a foot using an electric water level meter prior to any sample collection. Depth to groundwater measurements and surveyed top of casing elevations of the wells were used to determine groundwater level in each well and flow direction for the Site. Well construction data and water level measurements from the November 2023 comprehensive monitoring event are summarized in Table 1. Groundwater measurements and elevation data for wells monitored during the pre-and post-injection monitoring events are summarized in Table 2 and hydrographs

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for these wells are shown on Figure 3. As noted on Table 2, at times accurate post-injection groundwater depth could not be measured in several wells near the injection points (RUS-MW-12, -13, -19, -20, -21) due to the presence of an oily material on the water table, which is believed to be residual vegetable oil related to the EZVI injectate.

After measuring the groundwater levels, monitoring wells were sampled for groundwater quality parameters. Each well was purged and sampled using a peristaltic pump or submersible pump with flow controller and low-flow techniques to minimize disturbance of water column and reduce turbidity. Parameters were measured periodically and were considered stable when the following conditions for three consecutive measurements were met: temperature was within $\pm 5\%$, pH was within ± 0.2 ; specific conductance was within $\pm 10\%$ and turbidity is stable or less than 10 Nephelometric Turbidity Units (NTUs). Field parameter measurements were recorded on low-flow groundwater sampling field datasheets and purge water was contained in a 55-gallon drum and stored onsite as investigation derived waste (IDW) for subsequent offsite disposal.

Once low-flow field parameters stabilized, groundwater samples were collected. Groundwater samples were analyzed by GEL Labs for the parameters listed below:

- Volatile Organic Compounds (limited chlorinated solvent suite) by USEPA method 8260B – GEL Labs
 - Tetrachloroethene (PCE)
 - Trichloroethene (TCE)
 - 1,1-dichloroethylene (1,1-DCE)
 - Trans-1,2-dichloroethylene (trans-1,2-DCE)
 - Cis-1,2-dichloroethylene (cis-1,2-DCE)
 - Vinyl Chloride (VC)
- Biodegradation Indicator Parameters
 - Nitrate-Nitrogen by USEPA Method 9056A – GEL Labs
 - Sulfate by USEPA Method 9056A – GEL Labs
 - Chloride by USEPA Method 9056A – GEL Labs
 - Methane/ethene/ethane (Low level analysis) by USEPA Method RSK 175 - GEL Labs
 - Total Organic Carbon (TOC) by USEPA Method SW 9060A – GEL Labs
 - Total and dissolved iron by USEPA Method 3005A/6010D – GEL Labs

Groundwater field parameters, including conductivity, oxidation/reduction potential (ORP), pH, turbidity and dissolved oxygen (DO) were recorded during the sampling event. Dissolved iron samples were filtered in the field using a 0.45-micron disposable filter.

Additionally, samples from three onsite wells (RUS-MW-06, -024, and -026) were submitted for microbial analysis using the QuantArray-Chlor method by Microbial Insights of Knoxville Tennessee.

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3.2 Investigation Derived Waste

Investigation derived waste (IDW), consisting of purge water generated during well sampling activities, was stored in 55-gallon steel drums pending receipt of analytical results. IDW exceeding applicable screening levels will be disposed offsite by a licensed contractor.

4.0 GROUNDWATER MONITORING RESULTS

Groundwater elevation data for the pre- and post-injection monitoring period are summarized in Table 2 and the hydrographs shown on Figure 3, which generally show an increasing trend in water levels from September 2020 through January 2021, with an overall downward trend in water levels between January 2021 and October 2022. Water levels in most wells in November 2023 were approximately 0.34 to 1.23 feet higher than they were in October 2022. The November 2023 groundwater elevations in wells RUS-MW-14 and RUS-MW-26 were approximately 1.4 feet lower than in October 2022.

Analytical results for all monitoring events are summarized in Table 3, and isoconcentration maps showing the November 2023 monitoring results for PCE, TCE, cis-1,2-DCE, and VC within the vicinity of the injection area are included as Figures 4 through 7. Isoconcentration maps for all onsite and offsite wells are presented in Figures 12 through 15. Groundwater sampling field data information sheets, laboratory certificates of analysis, and chain of custody records are included in Appendix I. For comparison, isoconcentration maps for these parameters from the previous sampling event (October 2022) are included in Appendix II.

To assist in the evaluation of the progressive reductive dechlorination of PCE in the injection area and downgradient, detected concentrations of the CVOCs (PCE, TCE, cis-1,2-DCE, and VC) and ethene in micrograms per liter (ug/L) were converted to molar concentrations (moles per liter) by dividing the detected mass concentration by the molecular weight of the compound in grams per mole (PCE = 165.83, TCE = 131.39, cis-1,2-DCE = 96.95, VC = 62.51, ethene = 28.05). To make calculations less cumbersome, molar concentrations in moles per liter were converted to micromoles per liter (uM/L) by multiplying by 10^6 . Mole fractions of each of the compounds were calculated by dividing the molar concentration of each compound by the total molar concentration of CVOCs in the sample, to provide a measure of the degree of dechlorination that has occurred near the well. Similarly, the chlorine number (Cl), which is the average number of chlorines per solvent molecule, is calculated by multiplying the number of chlorines in PCE (4), TCE (3), cis-1,2-DCE (2), and VC (1) by the molar fraction of each compound, adding them together and dividing by the total molar concentration. The resulting chlorine number (Cl) ranges from 4 for a PCE-dominated system to 0 for complete dechlorination (ethene) and is useful in evaluating the extent of dechlorination. Molar concentrations, mole fractions, and chlorine numbers for the monitoring data are presented with the laboratory analytical results in Table 4. Graphs of molar concentrations of PCE, TCE, cis-1,2-DCE, and VC are included below for injection area and

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downgradient wells, and on Figure 8. Graphs of methane, ethane, and ethene; and dissolved iron for injection area and downgradient wells are shown in Figures 9 and 10, respectively.

Trends in CVOCs and geochemical parameters are described below for monitoring wells in the injection area (RUS-MW-12, -13, -16, and -24), downgradient of the injection area (RUS-06, -14, -25, -26; PD-MW-16), and for the comprehensive monitoring event conducted on all onsite and offsite monitoring wells in November 2023.

4.1 Injection Area Monitoring Wells

Monitoring wells in the apparent source area nearest the Interim Action injection points include wells RUS-MW-12, -MW-13, -MW-16 and -MW-24. Graphs of molar concentration data, methane-ethane-ethene, and dissolved iron for these wells are shown in Figures 8, 9, and 10, respectively. Geochemical data (increases in dissolved iron, TOC, and ethene; and decreases in DO and ORP) and significant decreases in the concentration of the parent compound PCE in all wells, except RUS-MW-16, which had decreased to 642 ug/L in July 2022, but has rebounded to 4,420 ug/L in November 2023, slightly less than the September 2020 pre-injection concentration.

The November 2023 CVOC monitoring results indicate that PCE and TCE concentrations have decreased in most injection area wells while cis-1,2-DCE decreased in two of the four wells and VC has increased in most wells as reductive dechlorination has progressed. As shown on Figures 4 through 7, the highest PCE, TCE, cis-1,2-DCE, VC concentrations are located in wells downgradient of the source area in the southern portion of the RUS building.

As shown in Figure 9, methane increased in the injection area wells following the injections and ethene concentrations have been increasing in most of the wells, demonstrating that reducing conditions have been established and complete reductive dechlorination to ethene is occurring in the source area. Figure 10 shows that dissolved iron increased sharply following the injections but has since decreased in the injection area wells but it remains above background in most of the wells. Dissolved iron in downgradient wells has decreased slightly since post injection highs but remains relatively elevated in wells affected by the injections.

As shown in Table 4, chlorine numbers, which ranged from 2.79 to 3.67 in three of the injection area wells prior to the injections, have decreased to 1.24 to 2.72, indicating that CVOCs in the wells are now predominantly daughter products cis-1,2-DCE and VC. The chlorine number in well RUS-MW-12, which has shown lesser effects from the injections, decreased from 3.92 to 3.3 through October 2022, indicating that PCE and TCE remain the primary CVOCs in that area.

Chemical trends in the individual injection area wells are described below.

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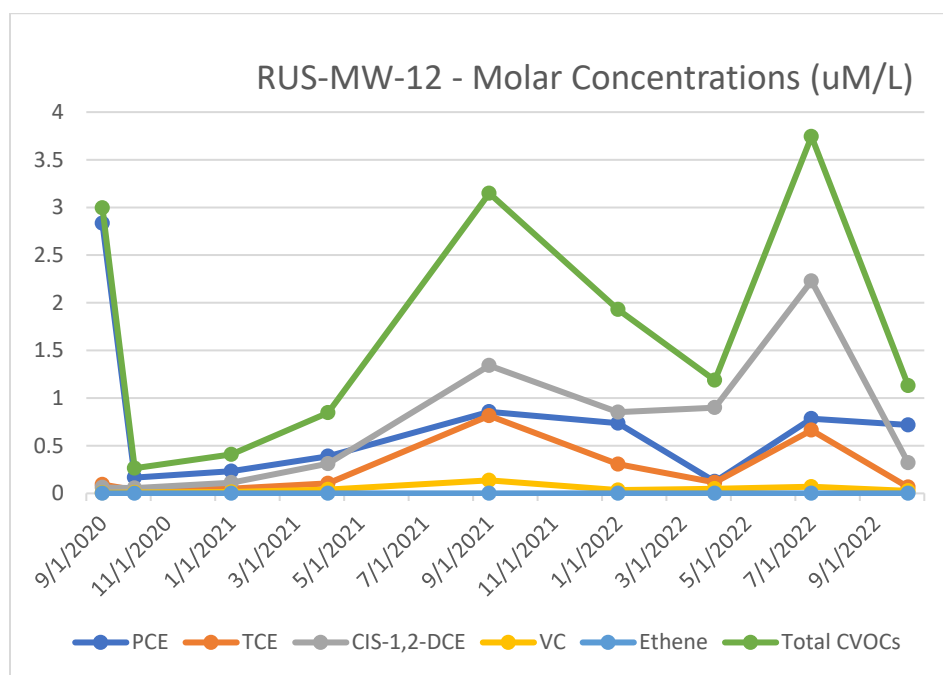
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RUS-MW-12

Monitoring well RUS-MW-12 could not be sampled during the November 2023 sampling event due to the presence of a thick gelatinous material in the well, which is believed to be residual vegetable oil from the 2020 EZVI injections near the well. Available monitoring data from previous monitoring events through October 2022 are summarized below.

Monitoring well RUS-MW-12 is located approximately 15 feet from injection points EZVI-1 and ISCR-3, side-gradient to the injection area, and is screened at 13-23 feet below land surface (bls). Post-injection geochemical trends indicated reducing conditions favorable for reductive dechlorination were present in the well including negative ORP and low nitrate concentrations and elevated methane. Increases in TOC indicated that injected hydrogen donors were present in the vicinity of the well and increases in dissolved iron concentrations were likely a result of the successful emplacement of the ZVI in the subsurface area around the monitoring location.

The CVOC data below show overall decreases in the parent products PCE and TCE, with increases in cis-1,2-DCE and VC occurring due to reductive dechlorination. Ethene has not been detected in the well; however, detection limits in the later monitoring events were elevated due to dilution required by elevated methane concentrations. Since the injections, PCE and TCE concentrations have decreased by approximately 75% and 30%, respectively, through October 2022.



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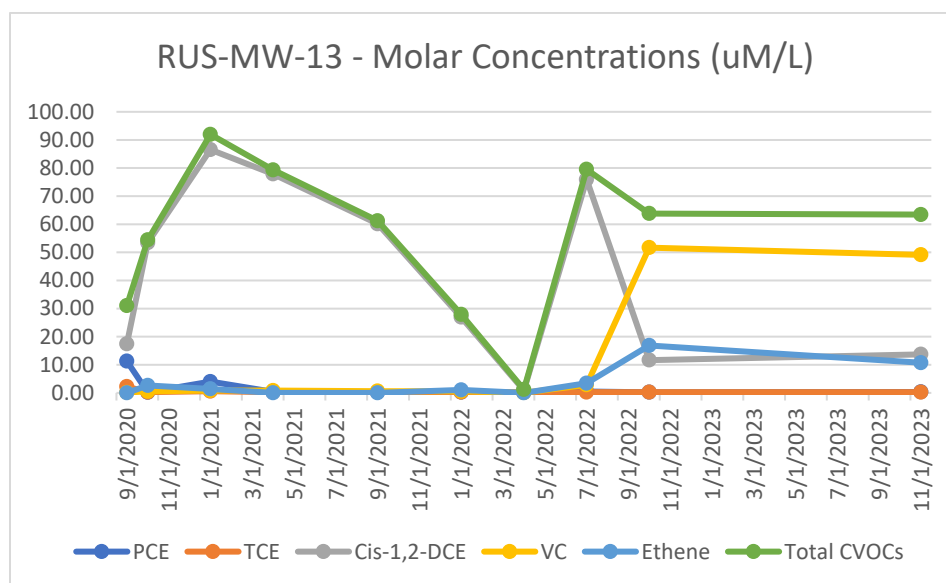
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RUS-MW-13

Monitoring well RUS-MW-13 is located between and side gradient of injection points EZVI-2 and ISCR-1 and is screened from 13-23 feet bls. Post-injection geochemical trends indicating reducing conditions favorable for reductive dechlorination continue to be present near the wells include low DO, negative ORP, and relatively elevated methane. Increases in TOC that indicated the injected hydrogen donors were in the vicinity of the well have decreased since 2021 but remain above background. Elevated dissolved iron concentrations resulting from the successful emplacement of the ZVI in the subsurface area around the monitoring location have also decreased since 2021. The November 2023 results indicate that pH, DO, and ORP remain at levels favorable for reductive dechlorination, and dissolved iron and TOC remain relatively elevated.

The CVOC data below show overall decreases in the parent products PCE and TCE with cis-1,2-DCE beginning to decrease and VC increasing due to reductive dechlorination. Ethene was detected at increasing concentrations in the well indicating that complete dechlorination is occurring in its vicinity. Since the injections, PCE and TCE concentrations have decreased by over 97 and 88%, respectively.



RUS-MW-16

Monitoring well RUS-MW-16 is located near injection point ISCR-2 and is screened from 10-20 feet bls. Ongoing post-injection geochemical trends indicating reducing conditions favorable for reductive dechlorination include continued low DO, negative ORP, and low nitrate concentrations and continued increases in methane. Elevated TOC concentrations that indicated injected hydrogen donors in the vicinity of the well have decreased since January 2022 indicating that the

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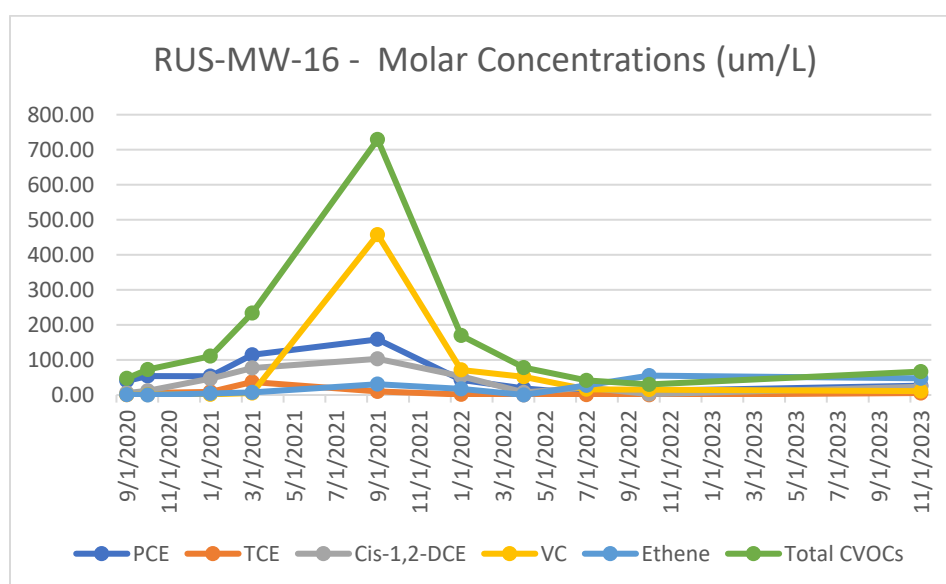
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carbon substrates are being depleted during biodegradation. Initial increases in dissolved iron concentrations that indicated successful emplacement of the ZVI in the subsurface area around the monitoring location have decreased since early 2022.

The CVOC data show an overall decrease in the parent products PCE and TCE and daughter product cis-1,2-DCE and increases in VC concentrations in the October 2022 monitoring event most likely occurring due to reductive dechlorination. Since October 2022 CVOC concentrations have increased, except for VC which showed a decrease. Ethene is still present in the well indicating that complete dechlorination is occurring in the vicinity of the well. Since the injections, PCE concentrations have decreased by 34%, while TCE, cis-1,2-DCE and VC have increased.



RUS-MW-24

Monitoring well RUS-MW-24 is located between injection point ISCR-3 and EZVI-3 and is screened from 10-20 feet bls. Post-injection geochemical trends indicate continuing reducing conditions favorable for reductive dechlorination including low DO, negative ORP, low nitrate concentrations and elevated methane. TOC, which initially increased indicating that injected hydrogen donors were in the vicinity of the well, has decreased as the carbon substrate has been consumed during biodegradation processes. Continued elevated dissolved iron concentrations are likely a result of the successful emplacement of the ZVI in the subsurface area around the monitoring location.

The CVOC data below show an overall decrease in the parent products PCE and TCE and daughter product cis-1,2-DCE, with VC remaining near pre-injection levels most likely due to reductive dechlorination. Concentrations of ethene remain elevated indicating that complete dechlorination is

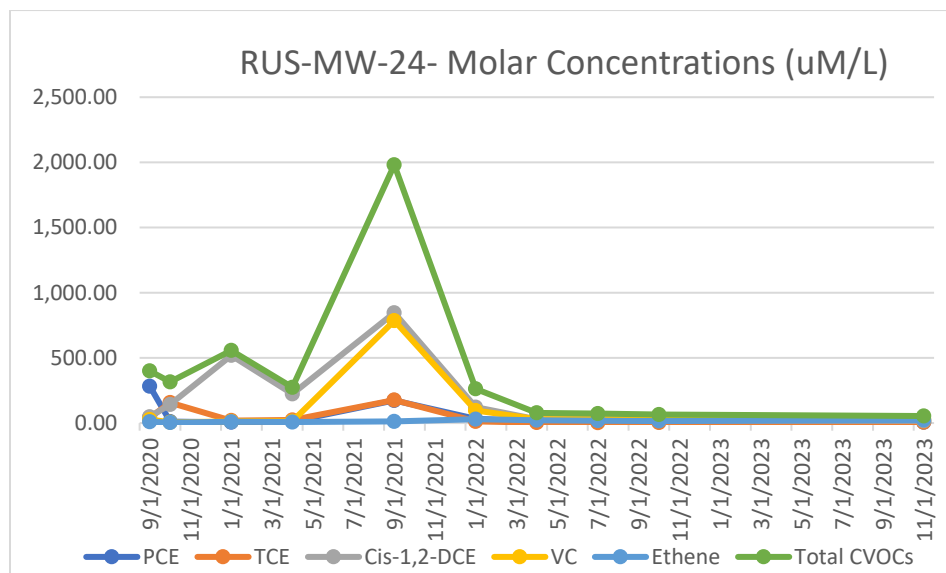
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occurring in the vicinity of the well. Since the injections, PCE, TCE, and cis-1,2-DCE concentrations have decreased by approximately 98%, 86%, and 65%, respectively.



4.2 Downgradient Monitoring Wells

Onsite monitoring wells downgradient of the Interim Action injection points include wells RUS-MW-06, -MW-14, -MW-25, and -MW-26. Graphs of molar concentration data, methane-ethane-ethene, and dissolved iron for these wells are shown on Figures 8, 9, and 10, respectively. Geochemical data (increases in dissolved iron, TOC, methane, and ethene; and decreases in DO and ORP) and increases in degradation products TCE, cis-1,2-DCE, and VC, indicate the effects of the September 2020 injections at these wells by September 2021 (approximately 1 year post injection).

CVOC monitoring results indicate that, except for RUS-MW-14 and RUS-MW-25 (which showed an overall decrease in PCE), PCE, TCE, cis-1,2-DCE, and VC concentrations have increased in the downgradient wells since the injections. As shown on Figures 4 through 7, the highest PCE, TCE, cis-1,2-DCE, and VC concentrations are now located in the downgradient wells. Total CVOC concentrations have increased in most of the wells perhaps due to downgradient movement of partially treated groundwater from the injection areas and production of daughter products from reductive dechlorination.

As shown on Figure 9, methane and ethene have increased in the downgradient wells following the injections, demonstrating that reducing conditions have been established and complete reductive dechlorination is occurring in the downgradient area. Figure 10 shows that dissolved iron increased following the injections and remains well above background in all downgradient wells monitored in November 2023.

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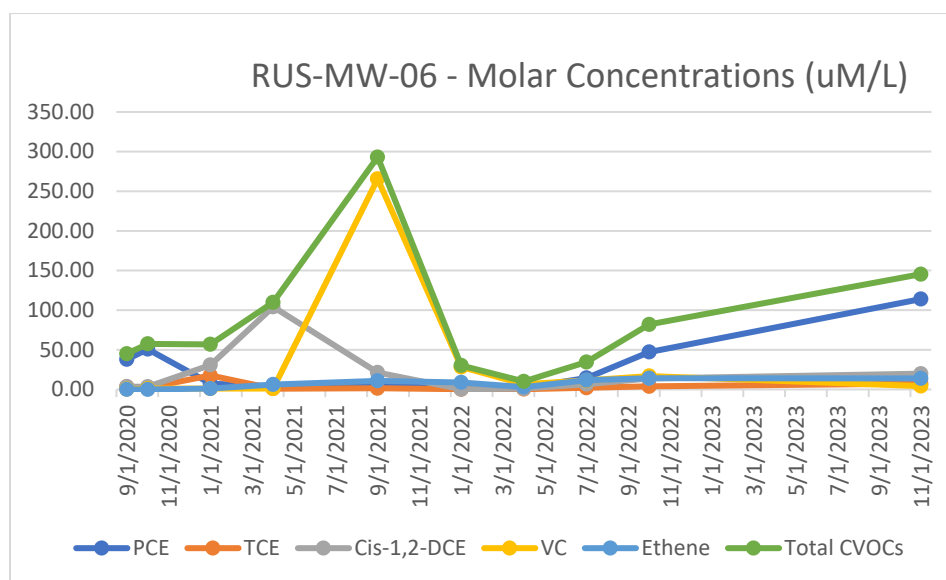
Chlorine numbers, shown in Table 4, which ranged from 2.34 to 3.66 in downgradient wells RUS-MW-14, -25, and -26 prior to the injections, have decreased to 1.79 to 2.05, indicating that CVOCs in the wells are now predominantly daughter products cis-1,2-DCE and VC. The chlorine number in RUS-MW-6 has increased to 3.59 since October 2022, due to an increase in PCE concentration at the well.

Chemical trends in the individual onsite downgradient wells are described below.

RUS-MW-06

Monitoring well RUS-MW-06 is located approximately 35 feet downgradient of ISCR-3 and is screened at 16-26 feet bls. Post-injection geochemical trends continue to indicate reducing conditions favorable for reductive dechlorination, including low DO, nitrate and sulfate, negative ORP, and increases in methane. TOC remains above background levels. Dissolved iron concentrations remain relatively elevated likely a result of the successful emplacement of the ZVI in the subsurface upgradient of the monitoring location.

The CVOC data below show overall decreases in the parent products PCE and TCE and increases in cis-1,2-DCE and VC due to reductive dechlorination through September 2021. PCE and TCE then decreased until April 2022 when they began increasing perhaps reflecting partially treated groundwater entering the well from the upgradient source area. VC has decreased since October 2022. The presence of increasing concentrations of ethene throughout the monitoring period indicate that complete dechlorination is occurring in the vicinity of the well.



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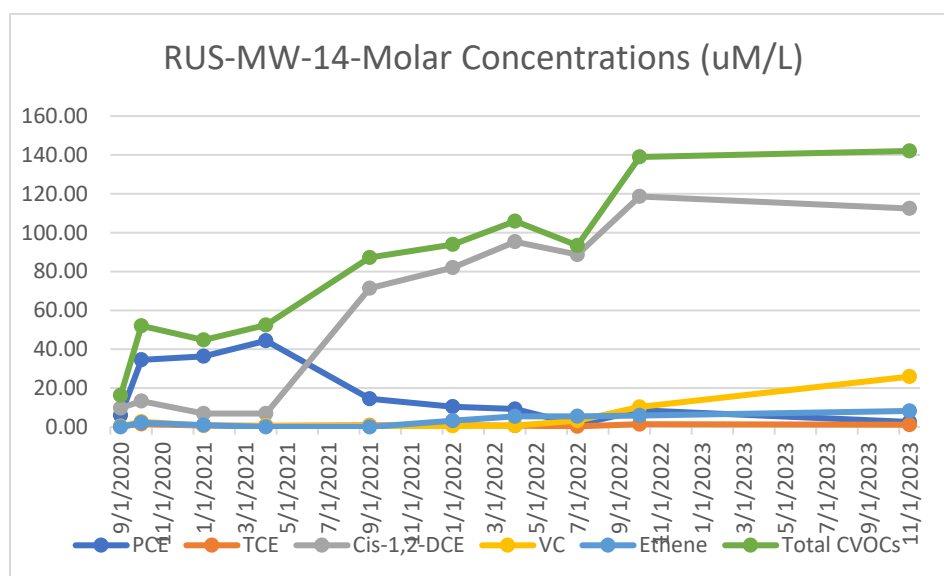
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RUS-MW-14

Monitoring well RUS-MW-14 is located approximately 19 feet downgradient of injection point ISCR-2 and is screened from 13-23 feet bls. Post-injection geochemical trends indicate that the effects of the September 2020 injections were observed at the well in September 2021 as indicated by decreases in DO, ORP, nitrate, and sulfate, and increases in methane, dissolved iron, and TOC. Reducing conditions conducive to reductive dechlorination remain in the vicinity of the well in November 2023. TOC and dissolved iron concentrations remain relatively elevated.

The CVOC data below show an overall decrease in the parent product PCE with increases in daughter products TCE, cis-1,2-DCE and VC. Following the injections, PCE concentrations increased perhaps reflecting partially treated groundwater entering the well from the upgradient source area, but they have decreased since April 2021, due to reductive dechlorination which produced increases in TCE, cis-1,2-DCE and VC. Ethene concentrations detected in the well have increased indicating that complete dechlorination is occurring in the vicinity of the well.



RUS-MW-25

Monitoring well RUS-MW-25 is located approximately 23 feet downgradient of injection point EZVI-3 and is screened from 15-25 feet bls. Post-injection geochemical trends indicate that significant effects of the September 2020 injections were observed at the well in September 2021 as indicated by decreases in DO, ORP, nitrate, and sulfate, and increases in dissolved iron. As of November 2023, DO, ORP, nitrate and sulfate concentrations remain low, and TOC and dissolved iron remain relatively elevated near the well.

The CVOC data below show an increase in PCE and TCE through April 2021 with decreasing concentrations since for an overall 92% and 90% decrease in PCE and TCE, respectively.

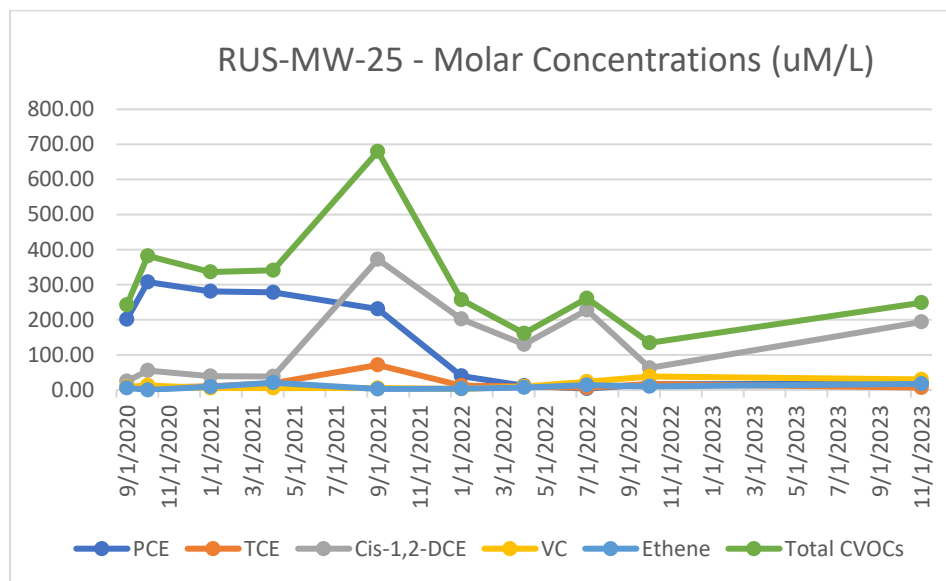
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Continuing increases in cis-1,2-DCE, and VC are most likely occurring due to reductive dechlorination. Increasing concentrations of ethene were detected in the well indicating that complete dechlorination is occurring in the vicinity of the well.



RUS-MW-26

Monitoring well RUS-MW-26 is located approximately 35 feet downgradient of injection point ISCR-2 and is screened from 15-25 feet bls. Post-injection geochemical trends indicate that the effects of the September 2020 injections were observed at the well in September 2021 as indicated by decreases in DO, ORP, and nitrate, and increases in methane, dissolved iron, and TOC. Reducing conditions were still present in the vicinity of the well in November 2023.

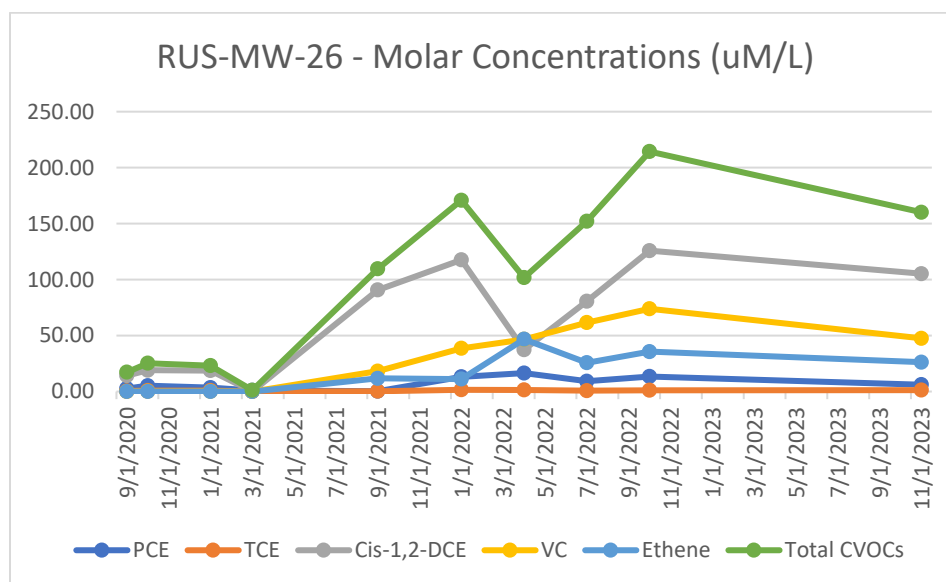
The CVOC data below shows increases in the parent products PCE and TCE and daughter products cis-1,2-DCE and VC. Following the injections, PCE concentrations increased perhaps reflecting partially treated groundwater entering the well from the upgradient source area. Reductive dechlorination is causing increases in cis-1,2-DCE and VC. Elevated concentrations of ethene detected in the well indicate that complete dechlorination is occurring in the vicinity of the well.

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Offsite Wells – Immediately Downgradient of RUS Property Boundary

September 2020 Pre-injection results are not available for the offsite wells, but 2018 results are available for offsite wells except PD-MW-16 and PD-MW-16A. Post injection monitoring results shown in Table 3 indicate that significant effects of the Interim Action injections have not reached offsite wells PD-MW-02 (Screen interval: 15-25 feet bls) and PD-MW-02A (Screen interval: 32-37 feet bls), which are located approximately 65 feet downgradient and slightly side gradient of injection point ISCR-2. ORP remains relatively elevated, iron, nitrate, sulfate, and TOC remain at background levels in these wells and CVOC concentrations have not changed appreciably during the three-year monitoring period.

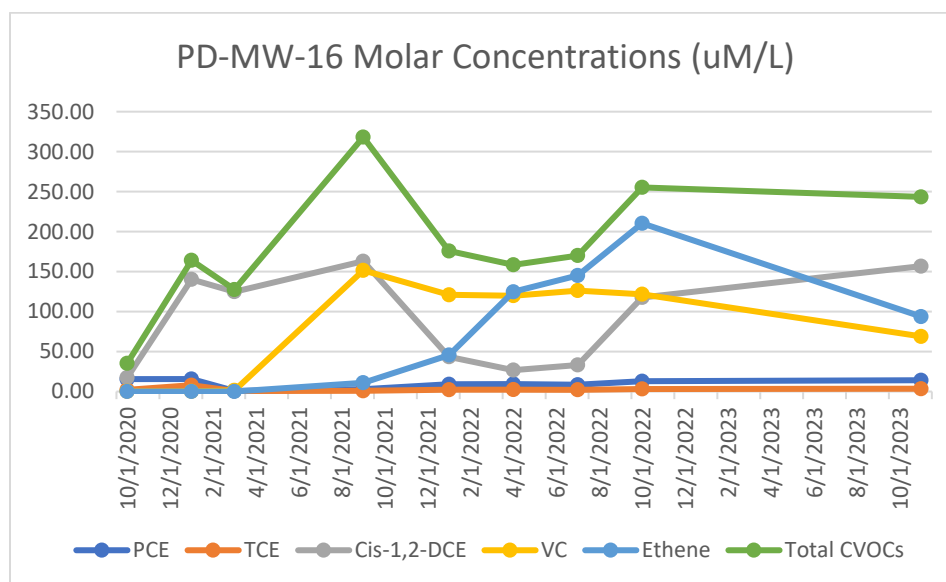
Shallow monitoring well PD-MW-16 is located approximately 67 feet downgradient of injection point ISCR-3 and is screened from 15-25 feet bls. Post-injection geochemical trends indicate that the effects of the September 2020 injections were observed at the well in January 2021 as indicated by decreases in DO, ORP, nitrate, and sulfate, and increases in methane, dissolved iron, and TOC. These conditions, which are conducive to reductive dechlorination, remained present in the well in November 2023. The CVOC data below show initial decreases in the parent products PCE and TCE, but concentrations began to increase after March 2021. In November 2023, the PCE concentration was slightly less and the TCE concentration was higher than in October 2020. The daughter products cis-1,2-DCE and VC have increased since October 2020 due to reductive dechlorination. Ethene continues to increase in the well indicating that complete dechlorination is occurring in its vicinity. As of November 2023, PCE concentrations have decreased by approximately 9% since the Interim Action injections.

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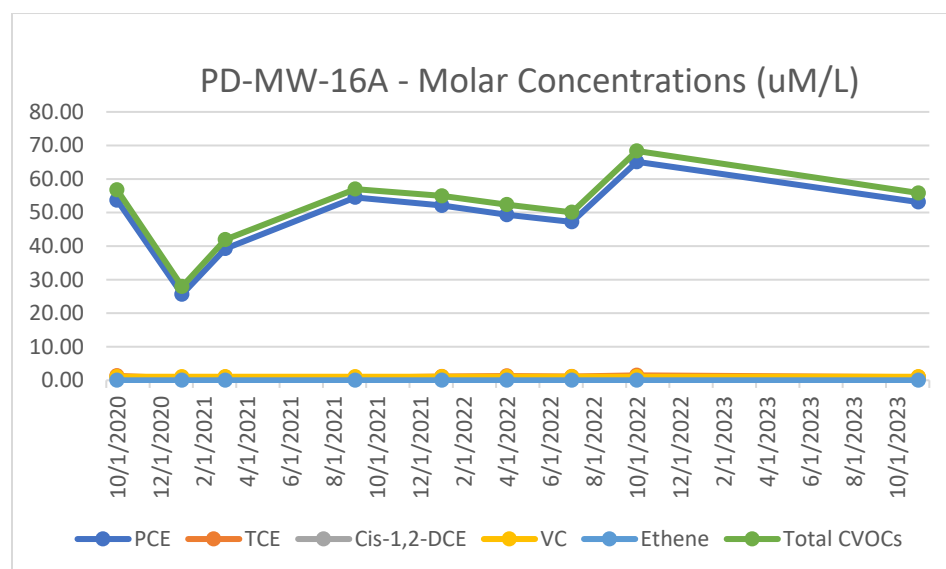
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The effects of the injections have not been observed at deeper monitoring well PD-MW-16A, located about 5 feet east of PD-MW-16, which is screened from 35-40 bls. DO, ORP, methane, iron, nitrate, sulfate, and TOC remain at background levels in this well and PCE and TCE concentrations have not changed appreciably during the monitoring period. Cis-1,2-DCE, VC and ethene were not detected during the monitoring period, indicating that dechlorination has not progressed significantly in the deeper part of the shallow aquifer.



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4.3 November 2023 Comprehensive Monitoring Event

A comprehensive groundwater monitoring event consisting of sampling of all onsite and offsite monitoring wells was conducted on November 6-9, 2023. Groundwater level measurements are summarized in Table 1 and historical monitoring results for all monitoring wells are summarized in Table 3. A potentiometric map showing groundwater elevation contours in the shallow and deeper zones of the shallow aquifer is shown on Figure 11 and isoconcentration maps for PCE, TCE, cis-1,2-DCE, and VC are included as Figures 12, 13, 14, and 15, respectively. For comparison, isoconcentration maps for these parameters from the last comprehensive monitoring event (July 2022) are included in Appendix III. Additionally, geologic cross sections with November 2023 PCE results are included on Figures 16 and 17.

As in previous assessments, groundwater flow in the shallow and deeper zones is to the south toward Jeffries Creek. As shown by the spacing of the groundwater contours the hydraulic gradient in the shallow zone is higher than that of the deeper zone.

Isoconcentration maps for PCE, TCE, and Cis-1,2-DCE show that the degradation product plumes are coincident with the PCE plume but are less extensive and occur along the axis of the PCE plume downgradient of the apparent source in the RUSF building, extending across the LOSD and HAF sites. The VC plume is limited to the source area in the southern portion of the RUSF building and to wells in the northern portion of the LOSD site.

When compared to the results of the previous comprehensive monitoring event conducted in July 2022 (CVOC isoconcentration maps included in Appendix III), overall CVOC concentrations have decreased in most onsite and offsite monitoring wells. However, PCE concentrations have remained steady or slightly increased in some onsite wells near the Interim Action injections (RUS- 16, -MW-19, -MW-21, -MW-25) and in some downgradient offsite wells (PD-MW-02, MW-09, - MW-09I, -MW-16, -MW-16A, HA-MW-01, -MW-02, -MW-03). TCE, cis-1,2-DCE, and VC remain elevated in three of four source area wells due to reductive dechlorination resulting from the Interim Action and/or cis-1,2-DCE have also increased in offsite wells PD-MW-02, PD-MW-09I, PD-MW-16, HA-MW-01, and HA-MW-03 since the 2022 monitoring event. As in 2022, VC is predominantly limited to wells in the southern portion of the RUS site and along the northern property boundary of the LOSD site (PD-MW-02, PD-MW-16). VC was also detected in well PD-W-07 during the November 2023 sampling event. VC concentrations have increased by up to two orders of magnitude in this area since 2018 due to reductive dechlorination resulting from the 2020 Interim Action injections.

4.4 Microbial Analyses

To further evaluate biodegradation occurring at the Site, groundwater samples were collected from source area well RUS-MW-24 and downgradient wells RUS-MW-06 and RUS-MW-26 for microbial

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analysis during the November 2023 monitoring event. The QuantArray-Chlor analysis, performed by Microbial Insights, was used to quantify bacteria capable of complete reductive dechlorination of PCE as well as functional genes involved in anaerobic reductive dechlorination and aerobic co-metabolic pathways for biodegradation of CVOCs. The results for detected microbial parameters and percentile ranks for each parameter are summarized in Table 5, and the laboratory report is included in Appendix I. The percentile ranks in Table 1 were provided by an online app on the Microbial Insights website based on comparison of the analytical results to its database of field concentrations of key microorganisms and functional genes.

As shown in Table 1, microbes responsible for reductive dechlorination of PCE are present at high (76th to 97th percentile) concentrations in source area well RUS-MW-24. Microbial concentrations are 1 to 2 orders of magnitude lower in downgradient well RUS-MW-06 and are much lower in well RUS-MW-26, which is located side gradient and downgradient from the axis of the CVOC plume. The concentration of *Dehalococcoides* (DHC) was 131,000 cells per milliliter (cells/mL) in well RUS-MW-24 and was 9,480 cells/mL in RUS-MW-06. DHC is the only known bacterial group capable of complete reductive dechlorination of PCE and TCE to ethene. The DHC concentrations in these wells are comparable or higher than the threshold of 10,000 cells/mL, which has been proposed in the literature as a screening criterion to identify sites where biological reductive dechlorination is predicted to proceed at useful rates (Lu et al., 2006).

The range of CVOC degradation varies by strain within the DHC genus. Therefore, concentrations of TCE reductase and VC reductase functional genes are used to evaluate the potential for complete reductive dechlorination to non-toxic ethene. As shown in Table 1, the concentration of TCE reductase is high in RUS-MW-24 and RUS-MW-06, indicating the presence of DHC capable of breaking down TCE in the wells; however, the VC reductase genes (VCR and BVC) were not detected in any of the samples.

In summary, the microbial analyses confirm that bacterial groups capable of reductive dechlorination of PCE and TCE are present at relatively high concentrations in the injection area three years after the injections were completed in 2020. However, the accumulation of vinyl chloride in some areas may be due to the lack of VC reductase functional genes.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are offered based on three years of post-injection monitoring conducted after implementation of an Interim Action consisting of injection of EZVI and ISCR amendments at the RUS Site in September 2020:

- The Interim Action injections have been effective at biotic and abiotic treatment of CVOCs in the source area identified in the southern portion of the former RUS building.
- When compared to the October 2022 results, the November 2023 monitoring results indicate that the plume remains steady to declining due to the Interim Action injections.

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- The effects of the injections, as indicated by the presence of various geochemical parameters in groundwater indicating reducing conditions in the wells near the injection areas (RUS-MW-06, -MW-12, -MW-13, -MW-16, and -MW-24), were observed within approximately 6 weeks of the injections. Injection effects were first observed in wells farther downgradient of the injection points by January 2021 (PD-MW-16) and September 2021 (RUS-MW-14, -MW-25, and -MW-26). Geochemical parameters in and downgradient of the injection areas remain in ranges conducive to biodegradation.
- Concentrations of the parent product PCE have decreased by 34- 98% in the wells nearest the injection areas (RUS-MW-12, -13, -16, and -24); TCE concentrations have decreased by 30-89% in all but one of the wells [RUS-MW-16; 640% increase]; concentrations of daughter product cis-1,2-DCE decreased by 22-65% in two (RUS-MW-13 and RUS-MW-24) of the four wells and increased in the others; and the daughter product VC increased in three of the four wells due to the reductive dechlorination of the parent compounds. Ethene, the final innocuous product of reductive dechlorination of PCE has been detected at increasing concentrations in three of the four wells indicating that complete reductive dechlorination is still occurring in the injection areas.
- In wells downgradient from the injections (RUS-MW-06, -MW-14, -MW-25, and -MW-26) concentrations of PCE have increased in wells RUS-MW-06 and RUS-MW-26, and have decreased by 57-91% in RUS-MW-14 and RUS-MW-25. TCE has increased in three of the four wells, and cis-1,2-DCE and VC have increased in all of the wells. Increases in PCE and TCE may be the result of untreated groundwater entering the area from upgradient, with increases in daughter products (cis-1,2-DCE and VC) indicating that reductive dechlorination is occurring. Ethene was detected at elevated concentrations indicating that complete dechlorination is occurring downgradient of the injection areas.
- CVOC trends observed in the downgradient wells may be a result of: 1) push-out of groundwater with higher concentrations by the injections in the upgradient treatment area, 2) downgradient migration of groundwater from areas or vertical intervals not treated by the injections or 3) migration of upgradient treated groundwater with higher concentrations of breakdown products (TCE, cis-1,2-DCE, and VC).
- Elevated iron concentrations which were identified in the injection area wells after the injections have decreased but remain above background in most wells. Dissolved iron remains relatively elevated in the downgradient wells where injection effects have been identified. Additionally, conditions are anaerobic (DO less than 1 mg/L with negative ORP) and pH is greater than 6 SU across most of the injection area and downgradient wells, which are conducive to the continued biotic reductive dechlorination of CVOCs. TOC remains above background levels in most of the injection area and downgradient wells but has decreased significantly over the three-year monitoring period, indicating that the 2020 nutrient injections are being consumed.

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- The presence of ethane, ethene, and chloride, the final innocuous breakdown products of CVOCs, at concentrations exceeding background concentrations in most injection area and downgradient wells is positive evidence of the continued and complete biodegradation of these compounds.
- Microbial analysis indicates that microbes capable of reductive dechlorination are present at high concentrations near the source area and at lower concentrations in downgradient wells. However, the absence of detected VC reductase functional genes may be a reason for accumulation of VC in some wells.
- Comprehensive isoconcentration maps for PCE and its degradation products TCE, Cis-1,2-DCE, and VC show that the degradation product plumes are coincident with the PCE plume but are less extensive and occur along the axis of the PCE plume downgradient of the apparent source in the RUSF building, with all but the VC plume extending across the LOSD and HA sites. The VC plume is limited to the source area in the southern portion of the RUSF building and to wells in the northern portion of the LOSD site.
- When compared to the results of the previous comprehensive monitoring event conducted in July 2022, overall CVOC concentrations have decreased in most onsite and offsite monitoring wells. However, PCE concentrations have remained steady or slightly increased in some onsite wells near the Interim Action injections (RUS- 16, -MW-19, -MW-21, -MW-25) and in some downgradient offsite wells (PD-MW-02, -MW-09, - MW-09I, - MW-16, -MW-16A, HA-MW-01, -MW-02, -MW-03). TCE, cis-1,2-DCE, and VC remain elevated in three of four source area wells due to reductive dechlorination resulting from the Interim Action.

RECOMMENDATIONS

Based on the November 2023 monitoring results the following recommendations are offered:

- Underground utilities in the southern portion of the RUS site need to be located and surveyed so that potential preferential groundwater pathways from this area can be evaluated.
- Collect and analyze sub-slab soil samples from within the rooms south of the former trenches in the RUS building (shown on Figure 2) to better define the depth and extent of CVOC impact in soil above the water table.
- Additional groundwater and soil sampling in the southern portion of the RUS Site at depths below 25 feet bls should be conducted to delineate the vertical extent of CVOC impact and to determine if a confining unit is present beneath that portion of the Site.
- Alternative injection methods should be evaluated that may be able to penetrate dense silty clays below 25 feet bls in the source area, which could not be penetrated by direct push technology during the Interim Action injections.

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- Install additional shallow monitoring wells between wells RUS-MW-06 and RUS-MW-10 to better delineate CVOC impact in that area.

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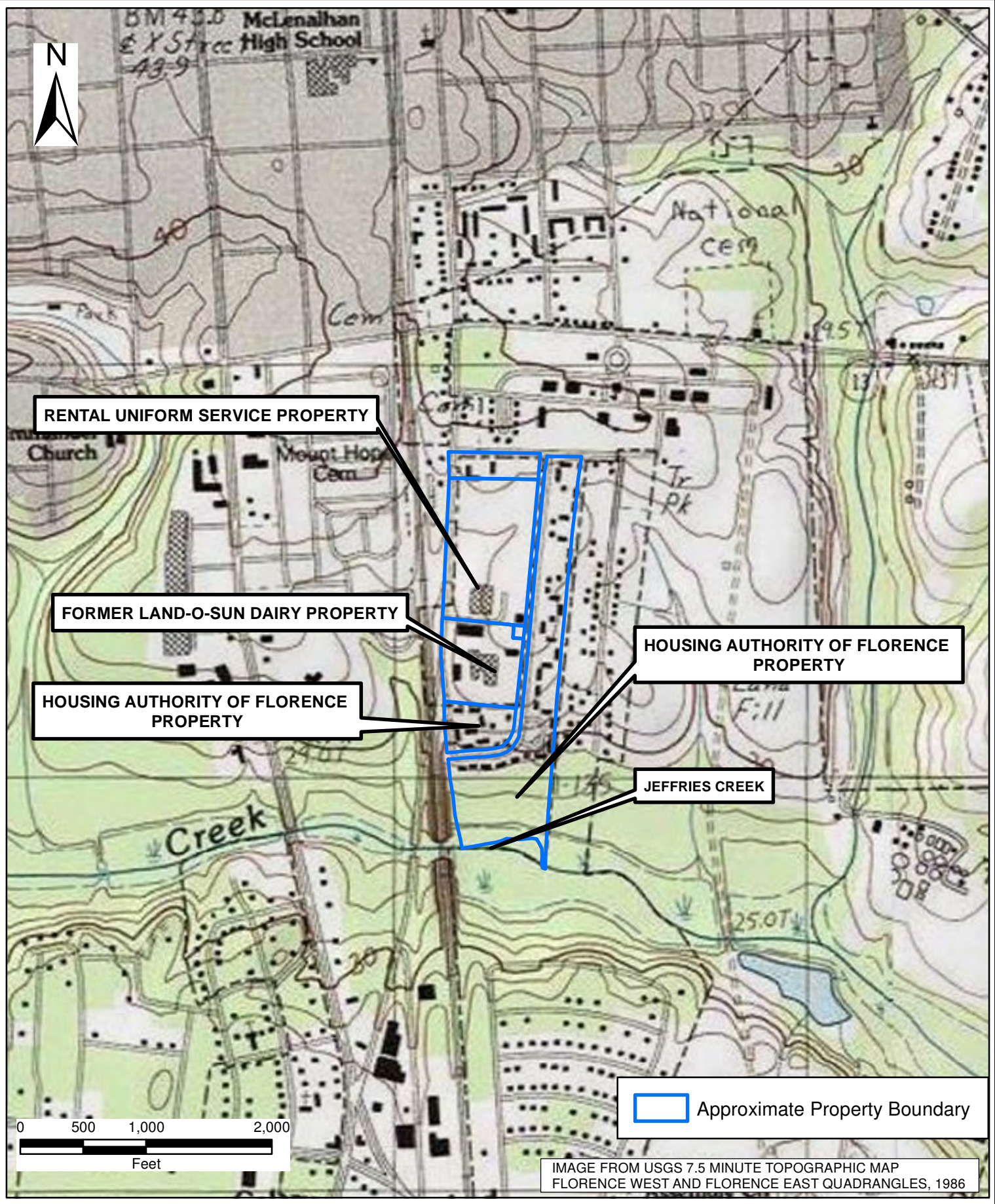
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FIGURES



GEL Engineering, LLC a Member of THE GEL GROUP, INC. GEL ENGINEERING ENVIRONMENTAL ANALYTICAL 111 SMITH HINES ROAD SUITE J GREENVILLE, SC 29607 (864) 676-2202 WWW.GEL.COM	PROJECT: RNTU00123		
	2023 GROUNDWATER MONITORING REPORT FORMER RENTAL UNIFORM SERVICE 906 SOUTH CHURCH STREET FLORENCE, SOUTH CAROLINA VCC 16-6247-RP		
	DATE: FEBRUARY 1, 2024		
	SITE LOCATION MAP		FIGURE 1
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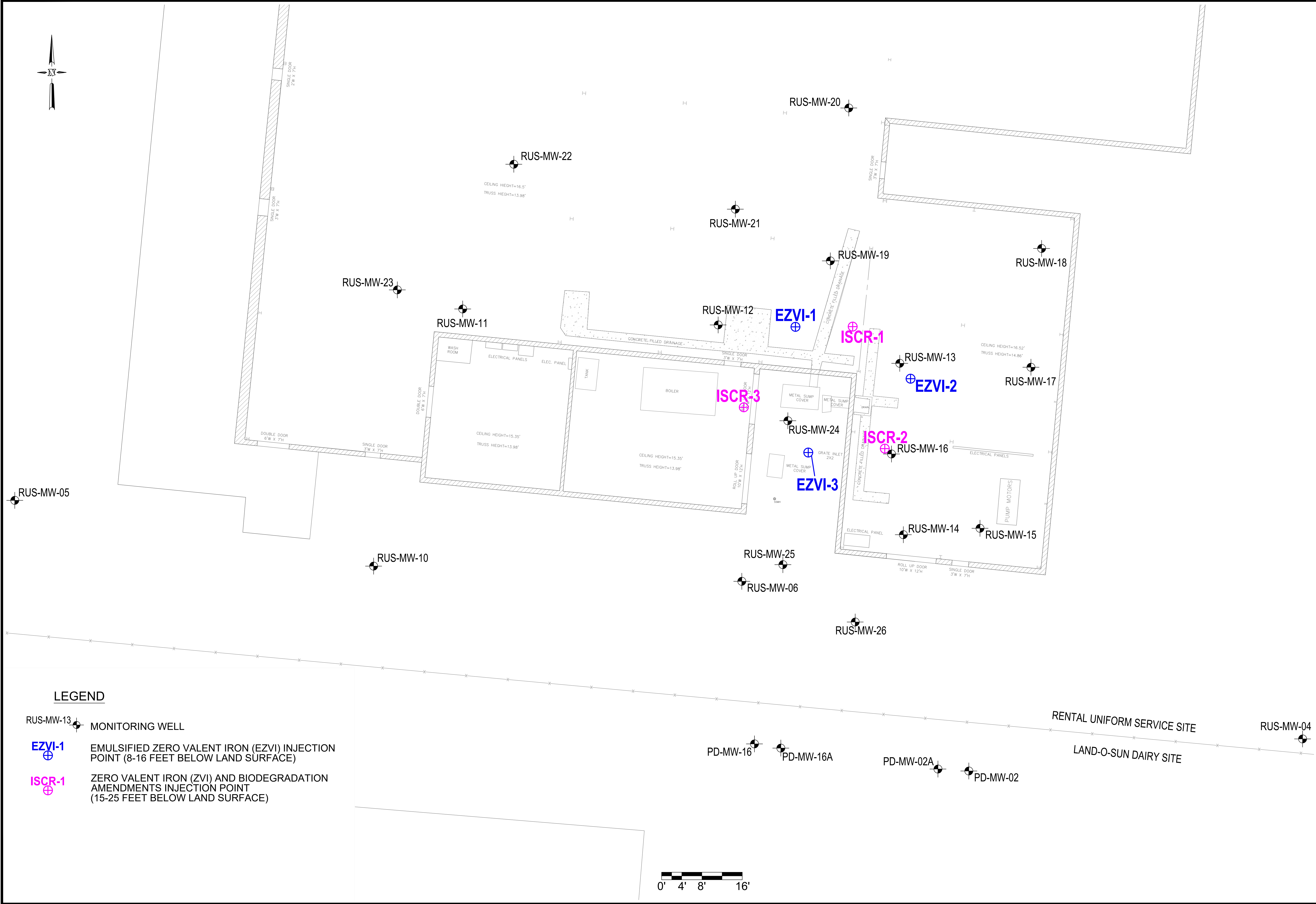
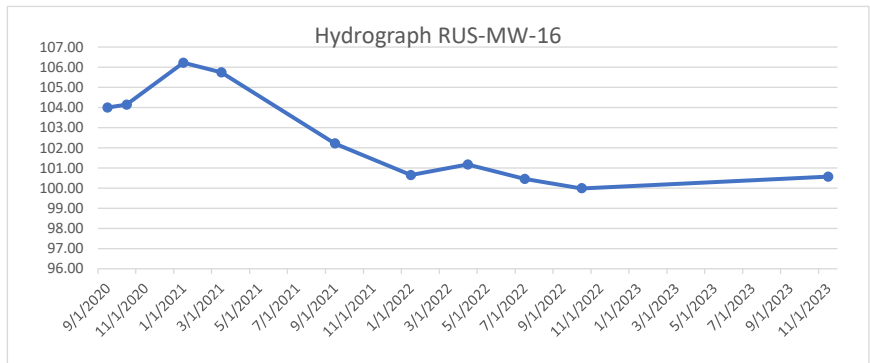
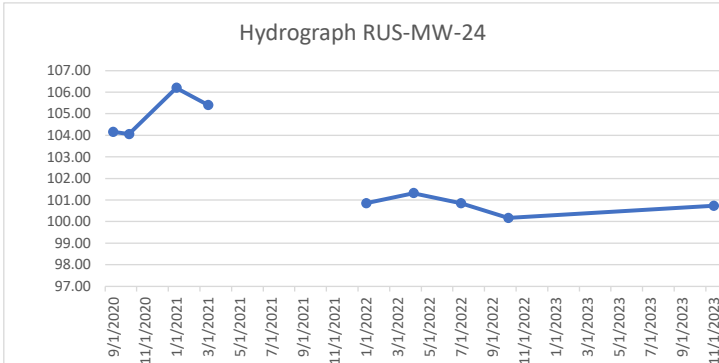
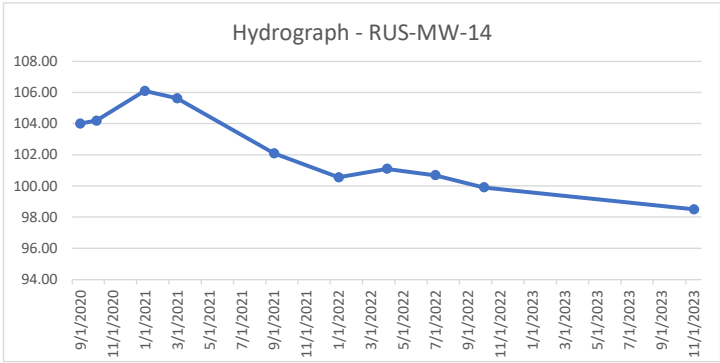
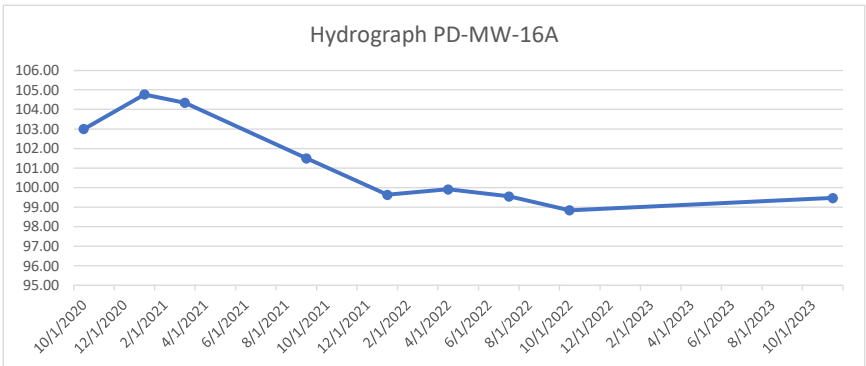
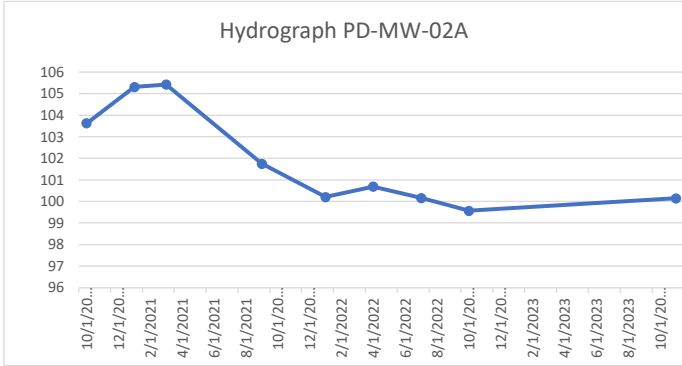
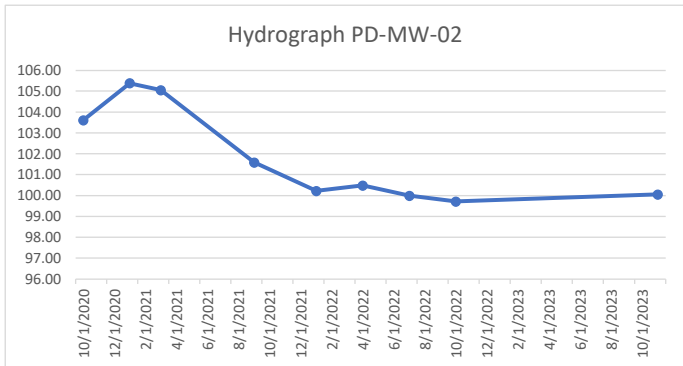
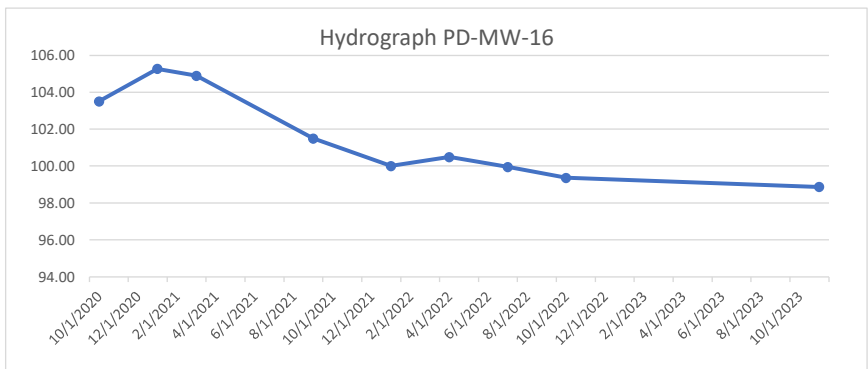
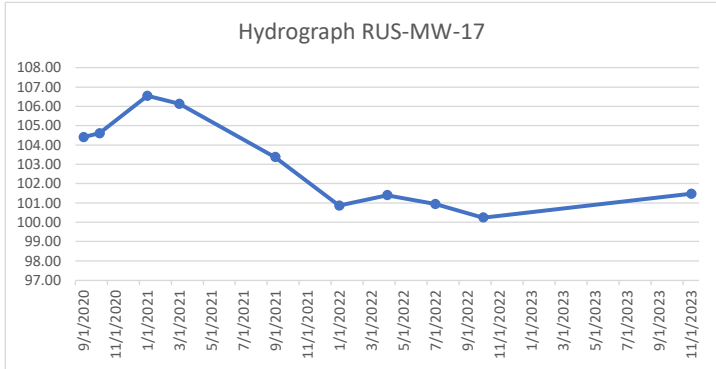
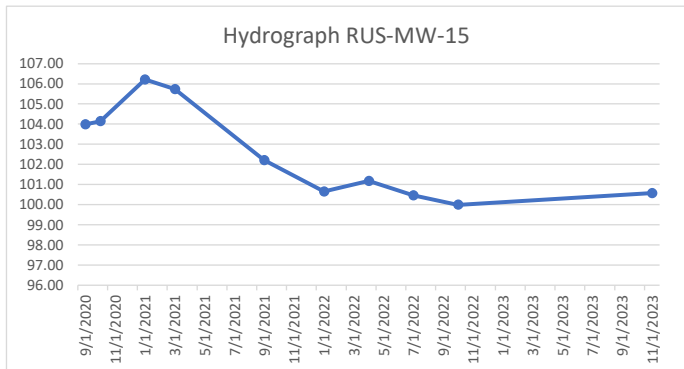
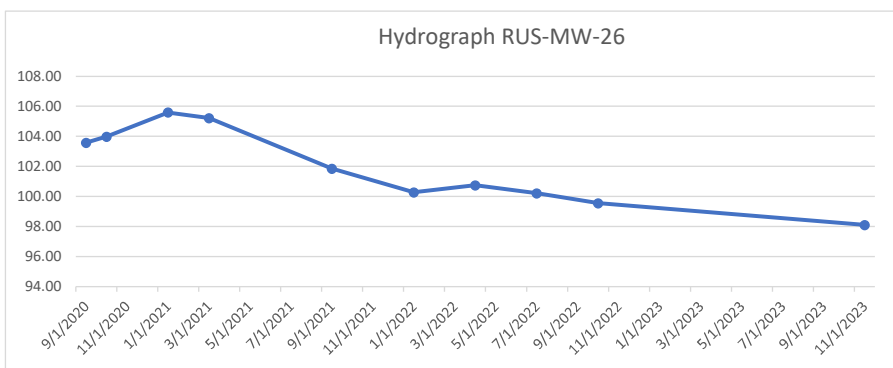
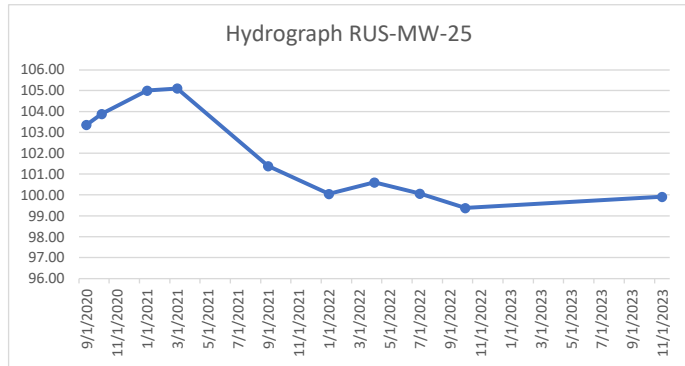
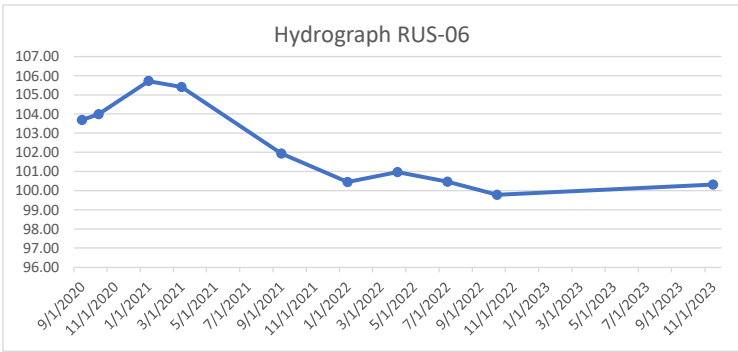


Figure 3
Hydrographs Injection Area and Downgradient Monitoring Wells
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VCC 16-6247-RP

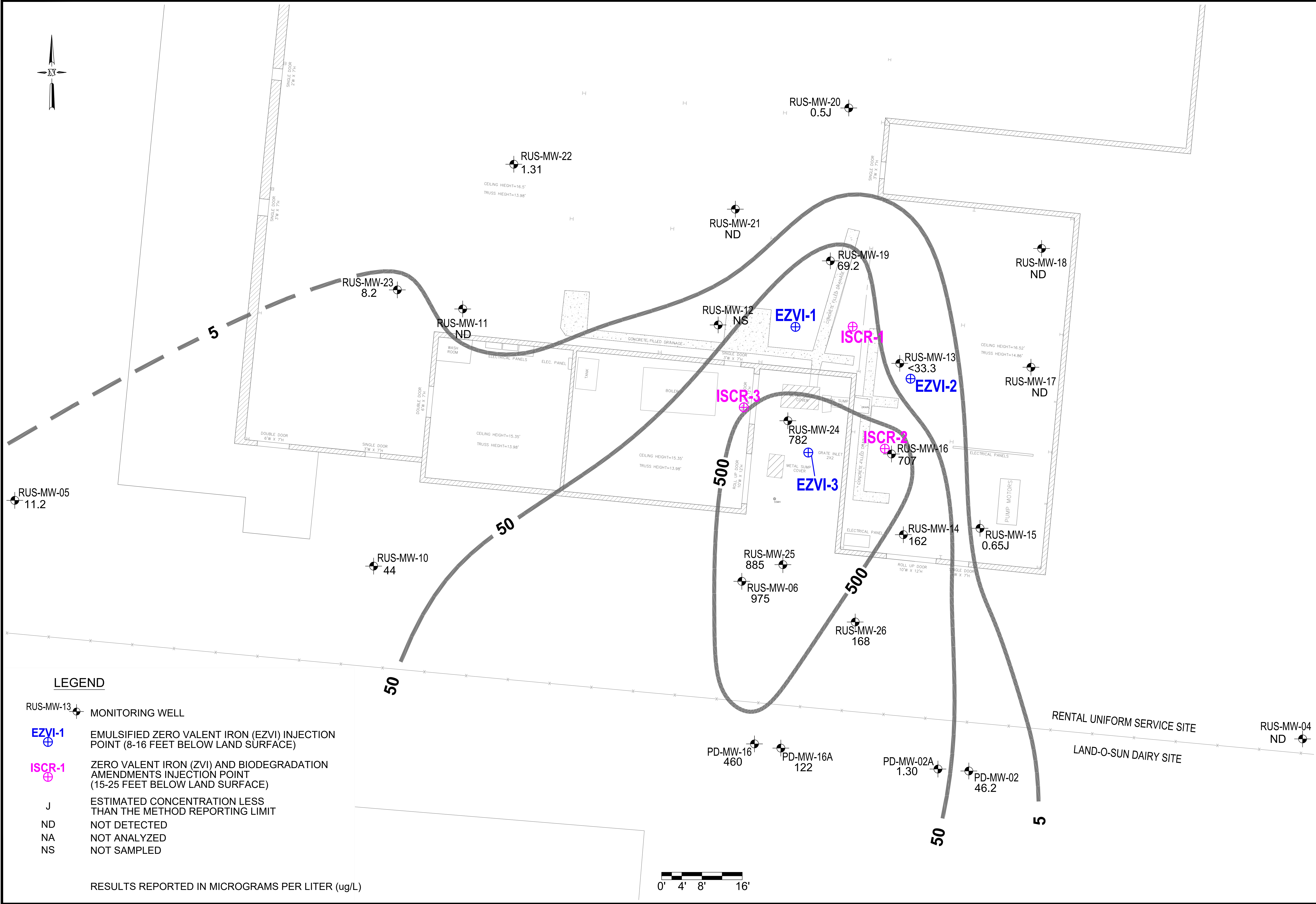
INJECTION AREA WELLS

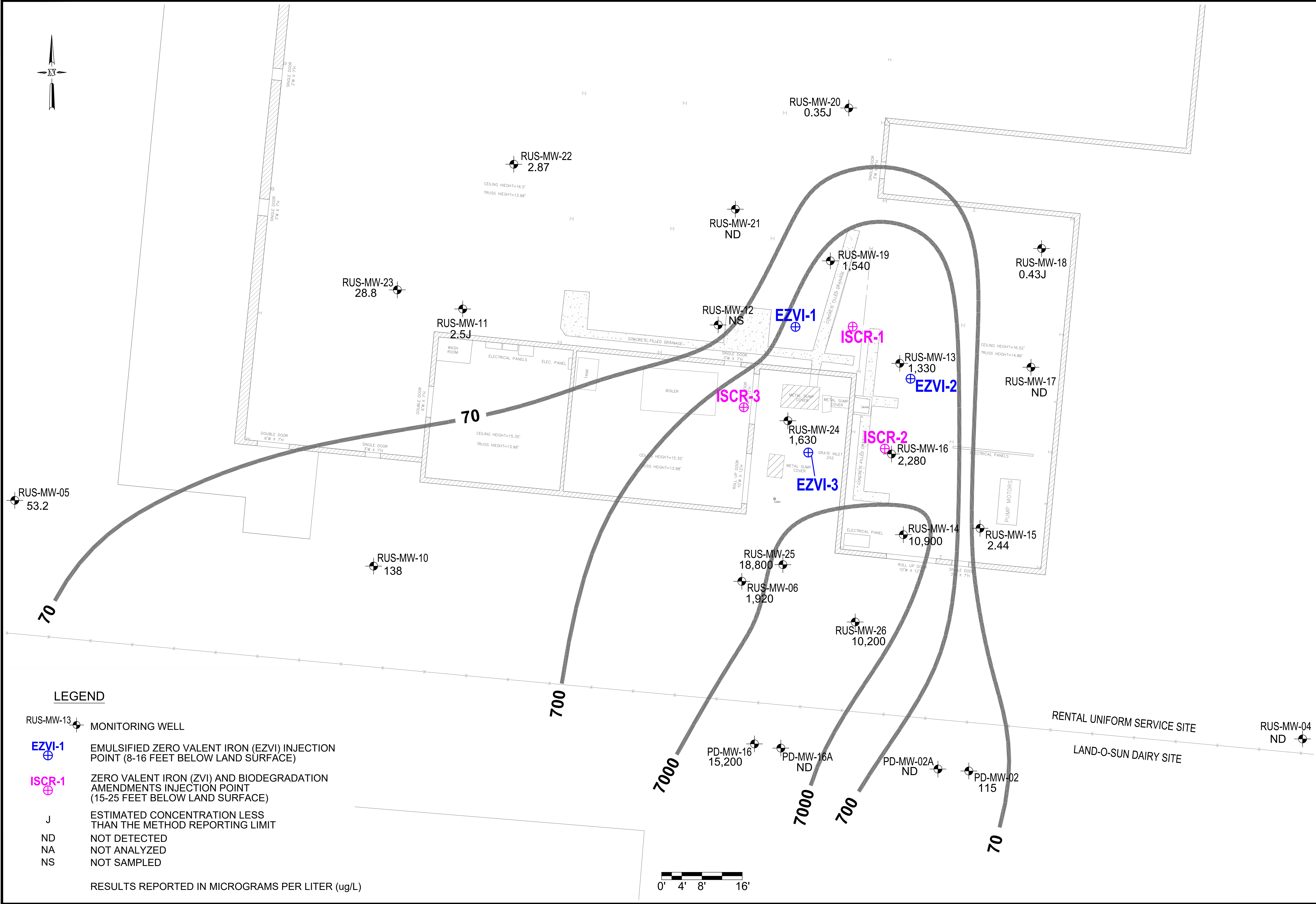


DOWNGRADIENT WELLS



Note: Missing measurements in RUS-MW-24 graph resulted from inability to measure accurate water levels due to the presence of substrate (vegetable oil) in well.





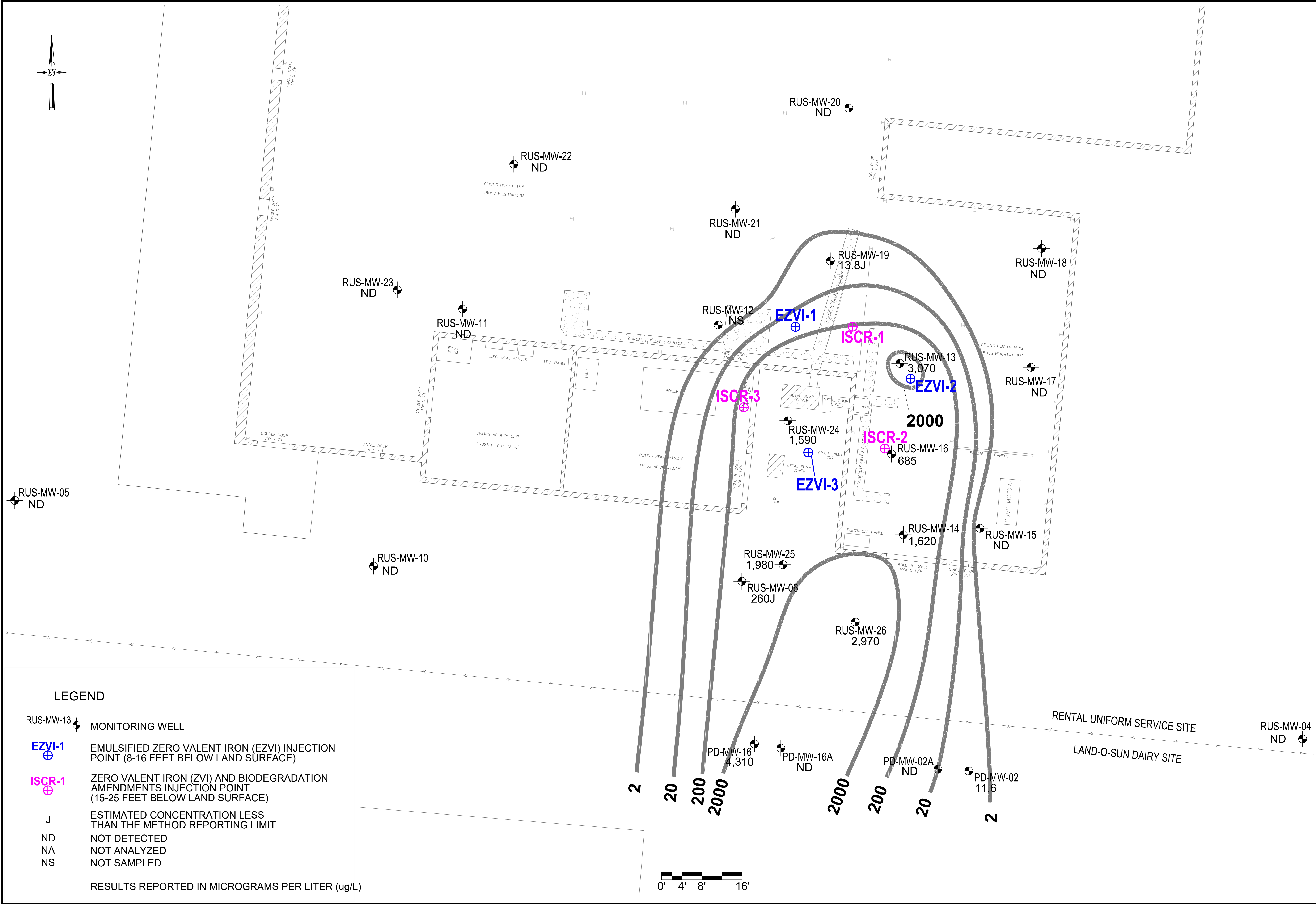
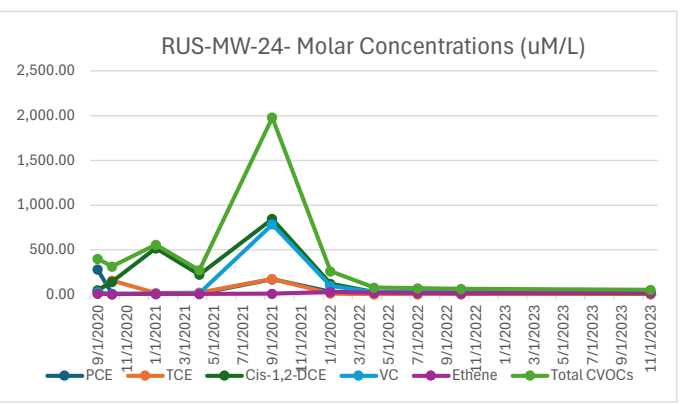
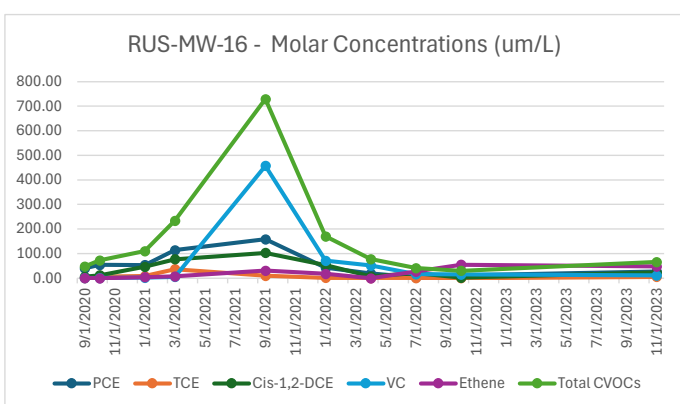
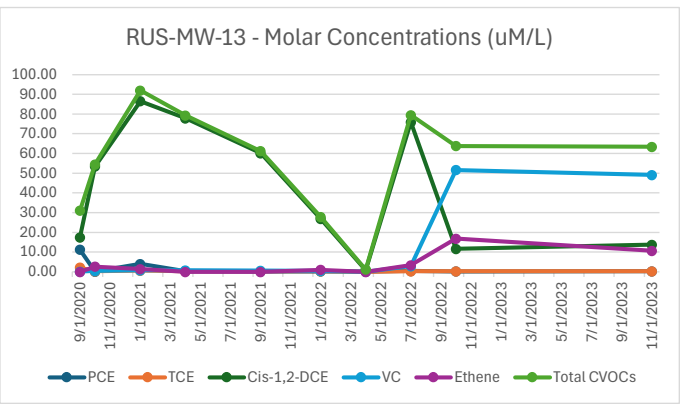
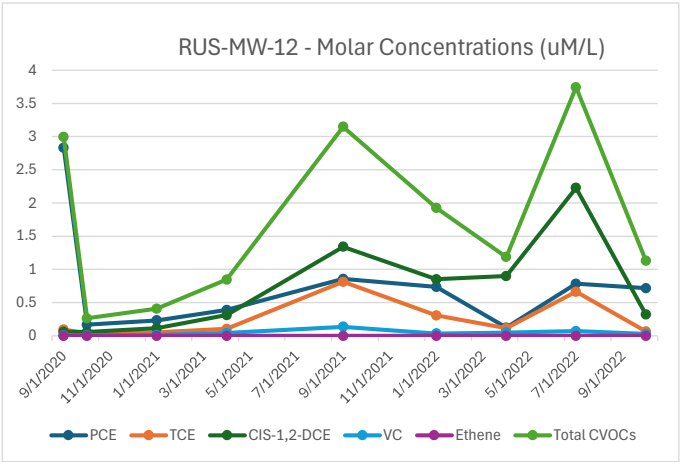


Figure 8
Molar Concentrations Versus Time
Injection Area and Downgradient Wells

INJECTION AREA WELLS



DOWNGRADIENT WELLS

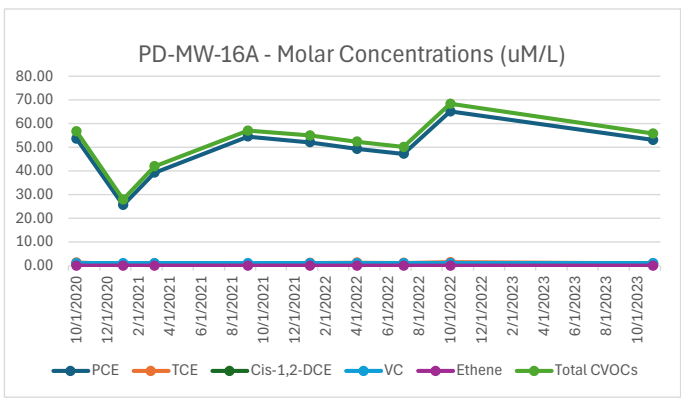
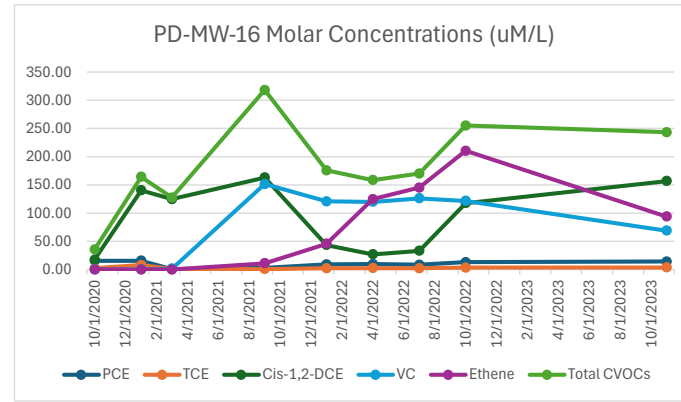
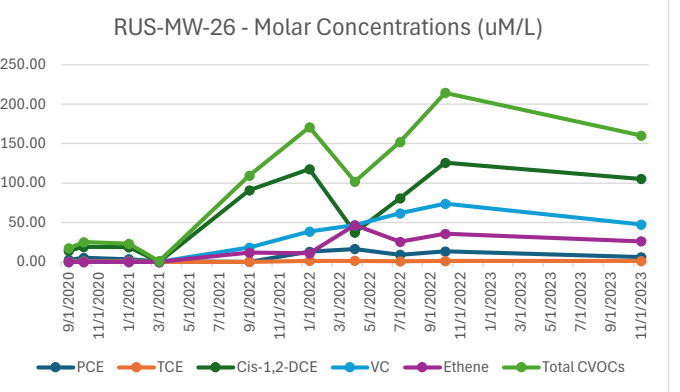
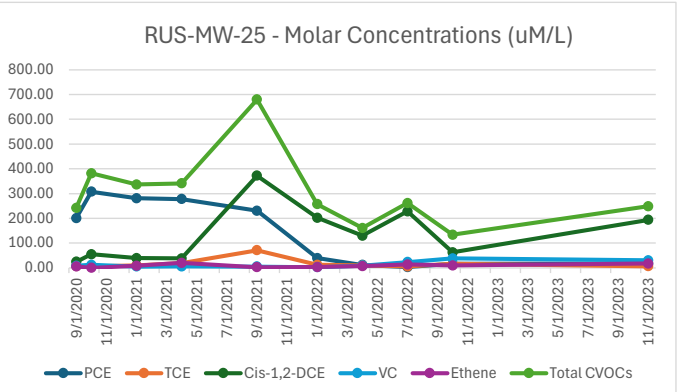
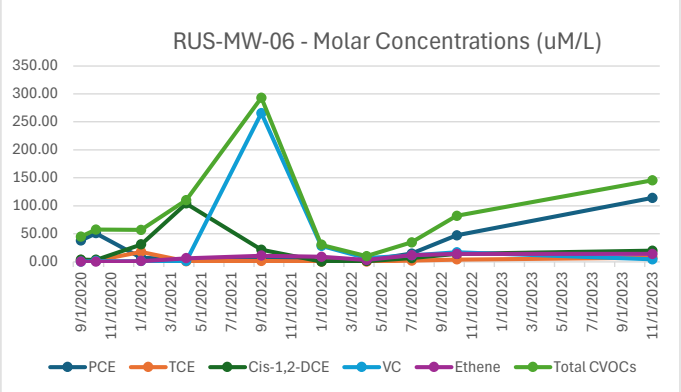
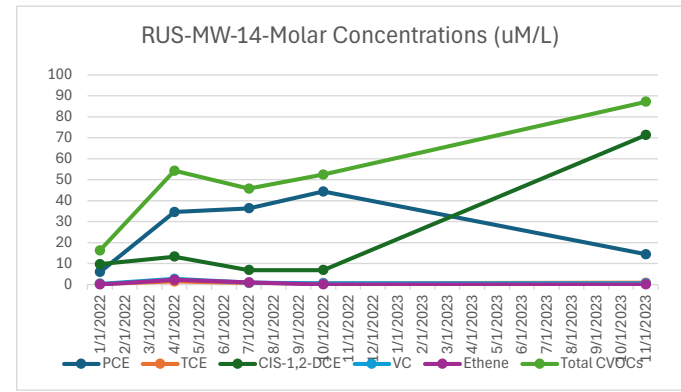
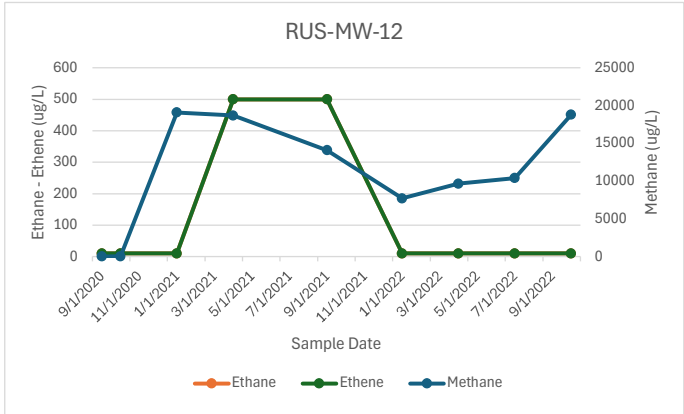
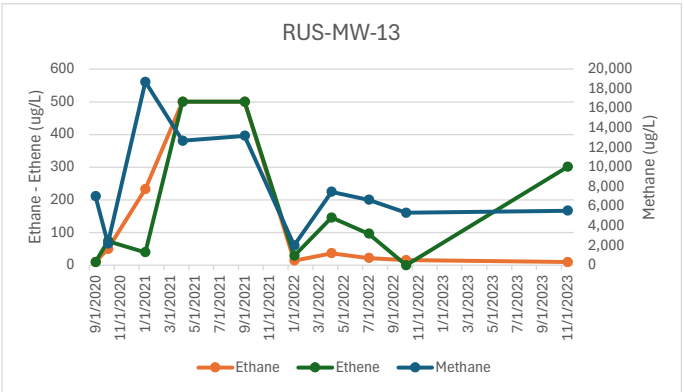


Figure 9
Methane - Ethane - Ethene Versus Time Graphs
Injection Area and Downgradient Wells

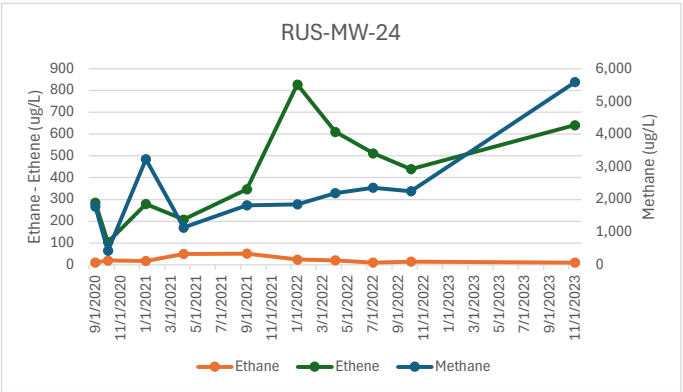
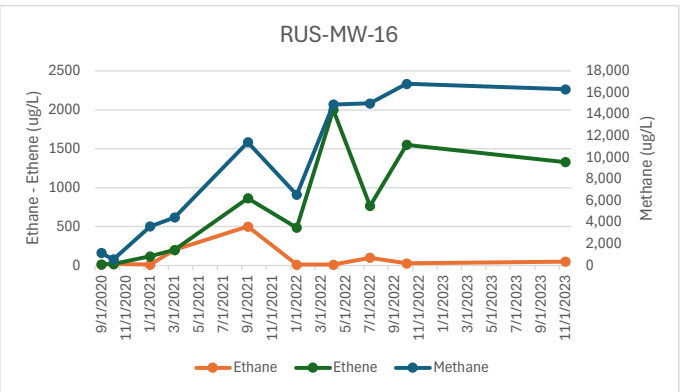
INJECTION AREA WELLS



Non-detects graphed at Detection Limit - April and September 2021 ethane and ethene results are non-detects with elevated detection limits.



Non-detects graphed at Detection Limit - April and September 2021 ethane and ethene results are non-detects with elevated detection limits.



DOWNGRADIENT WELLS

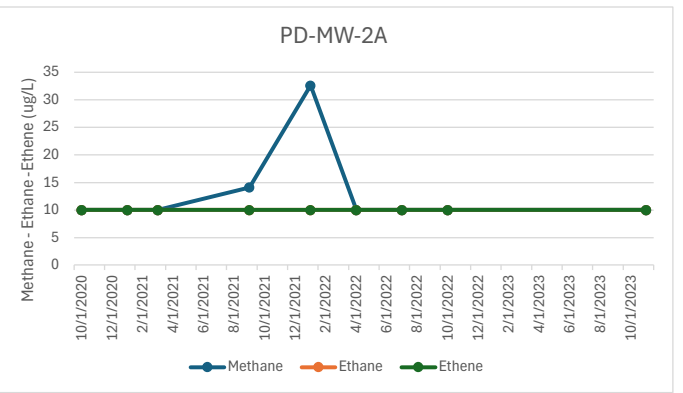
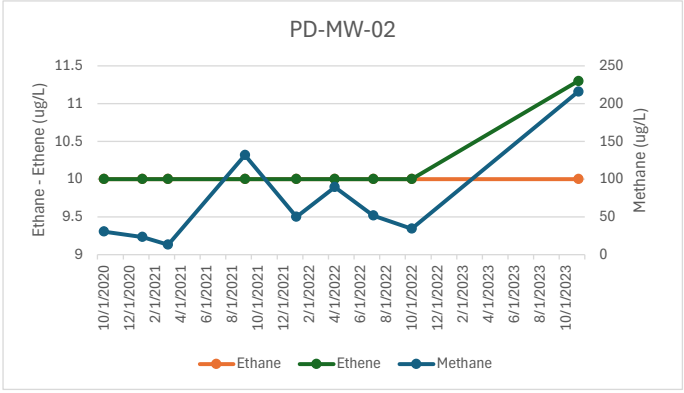
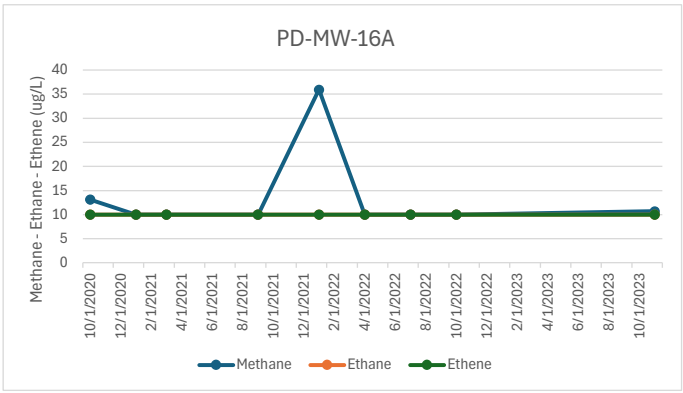
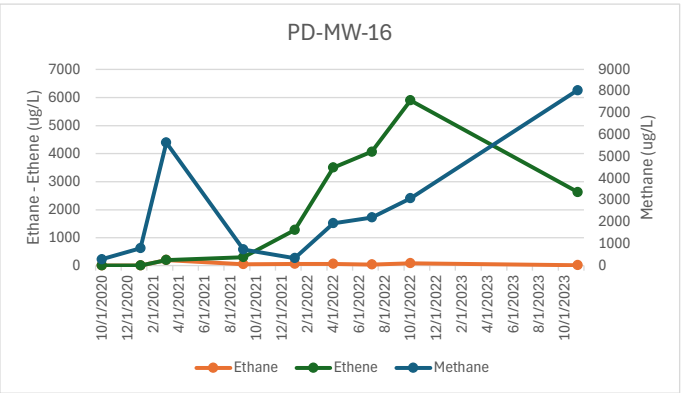
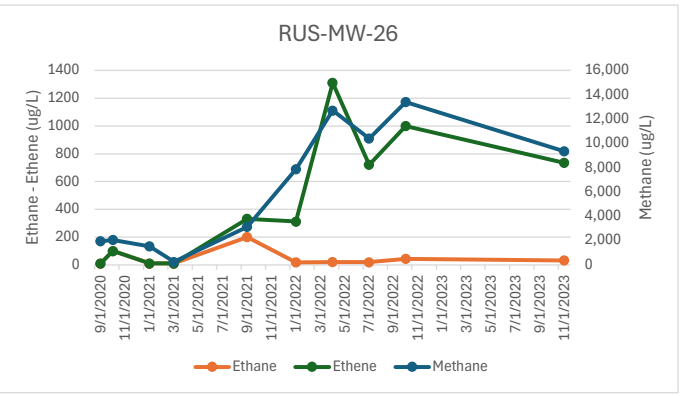
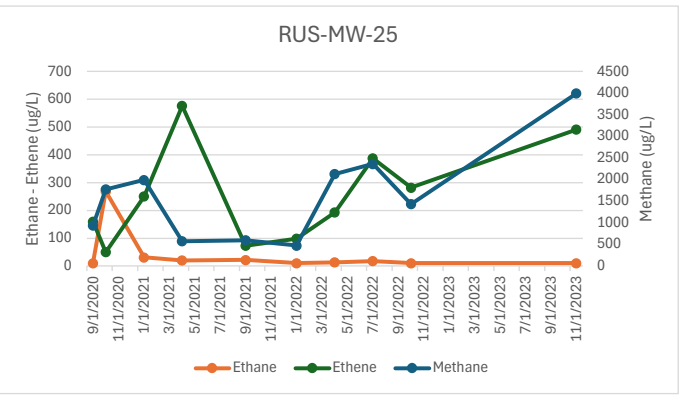
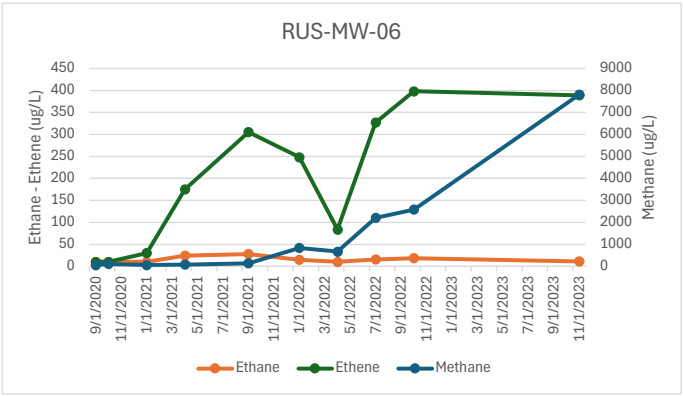
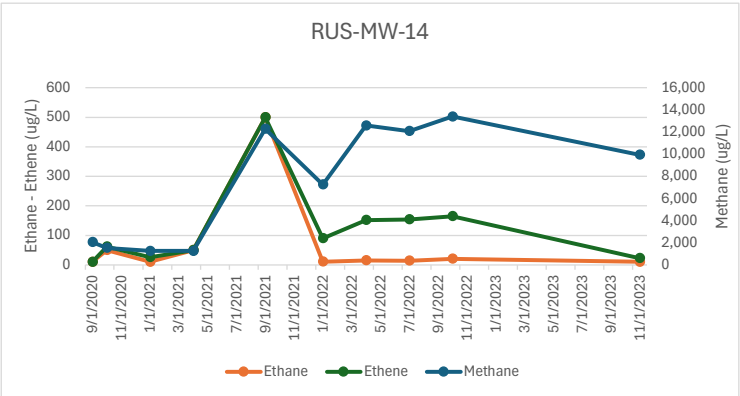
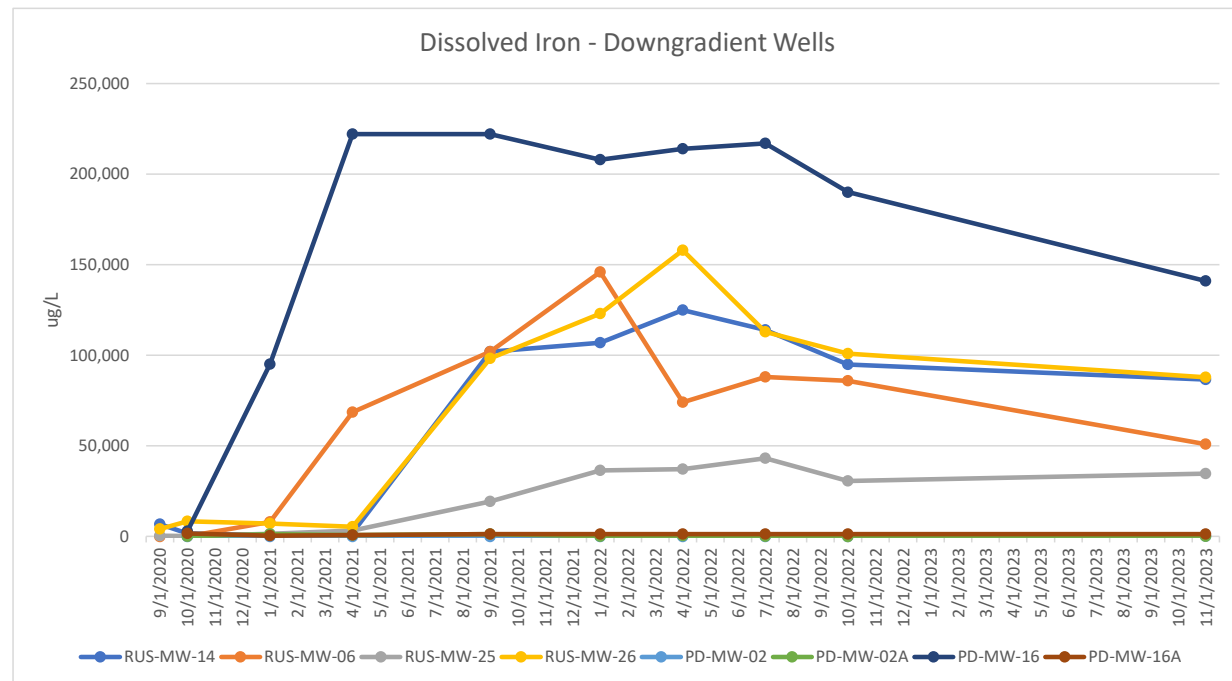
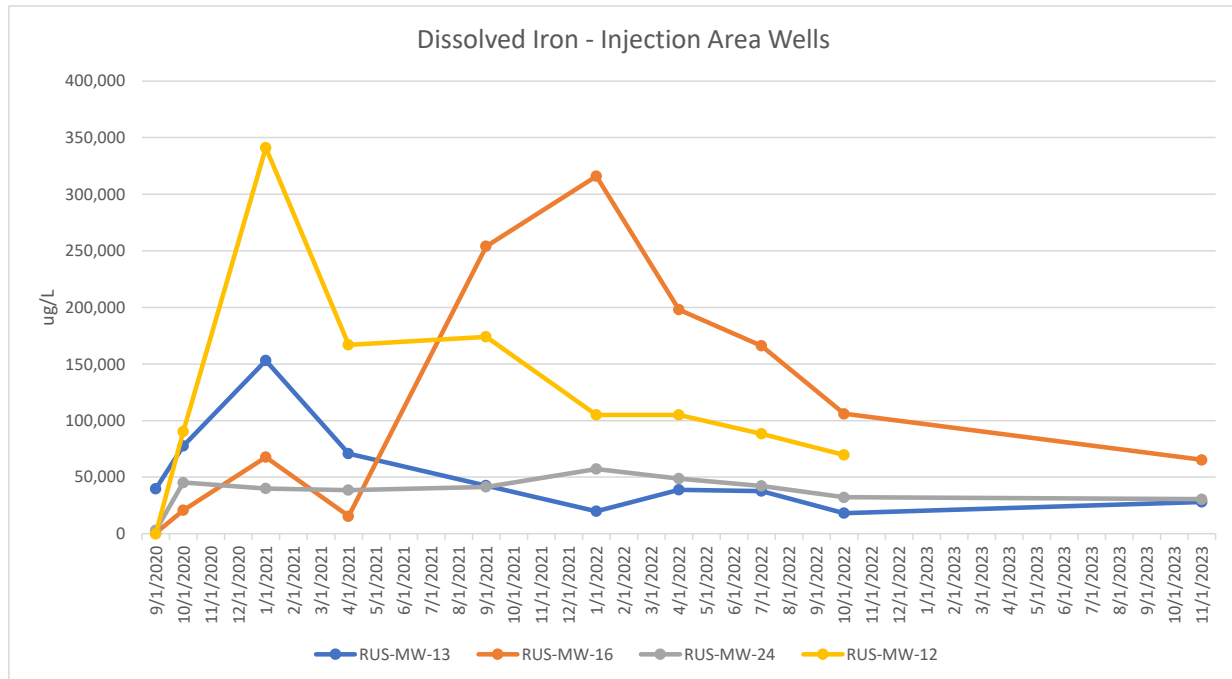
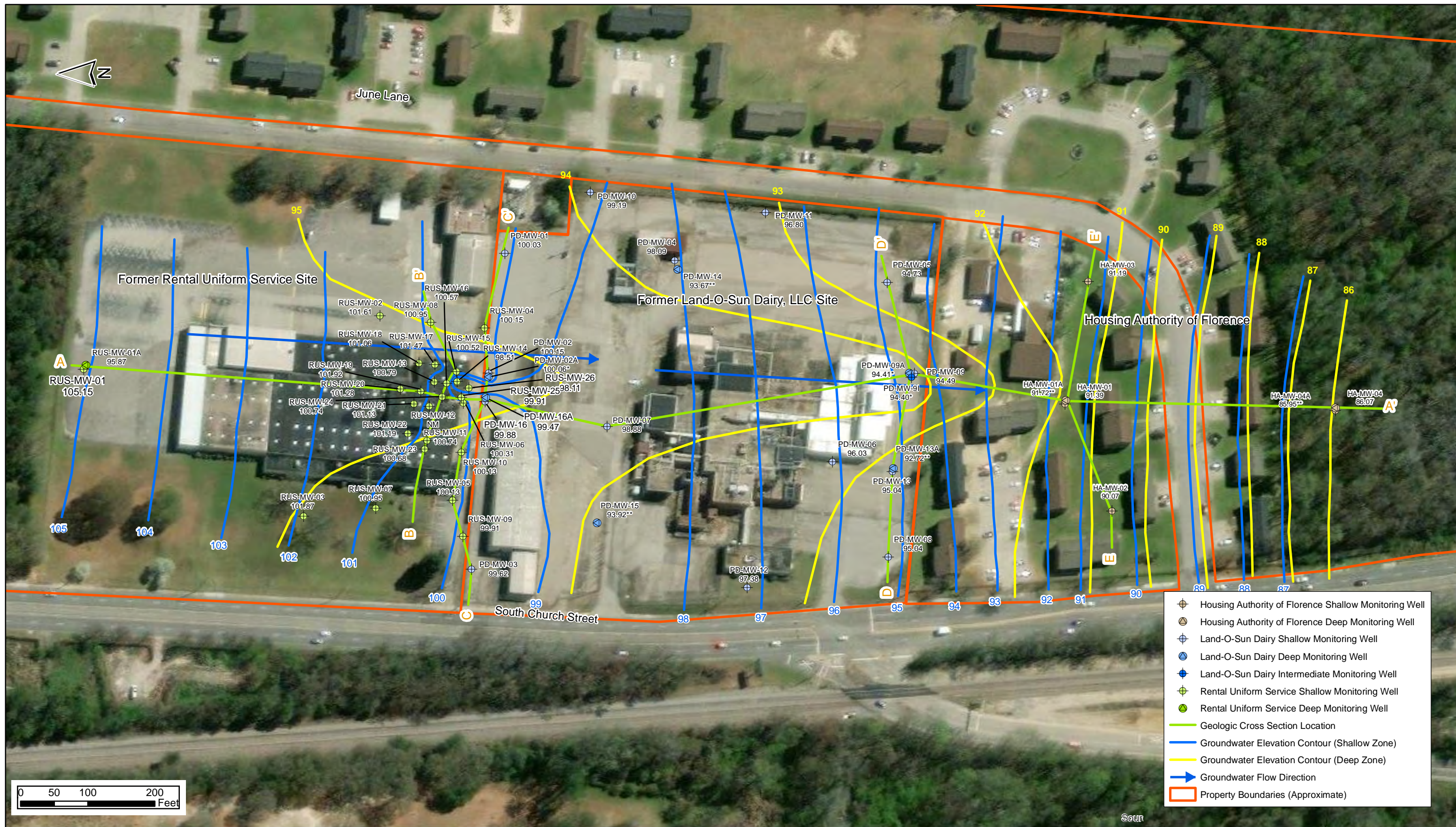


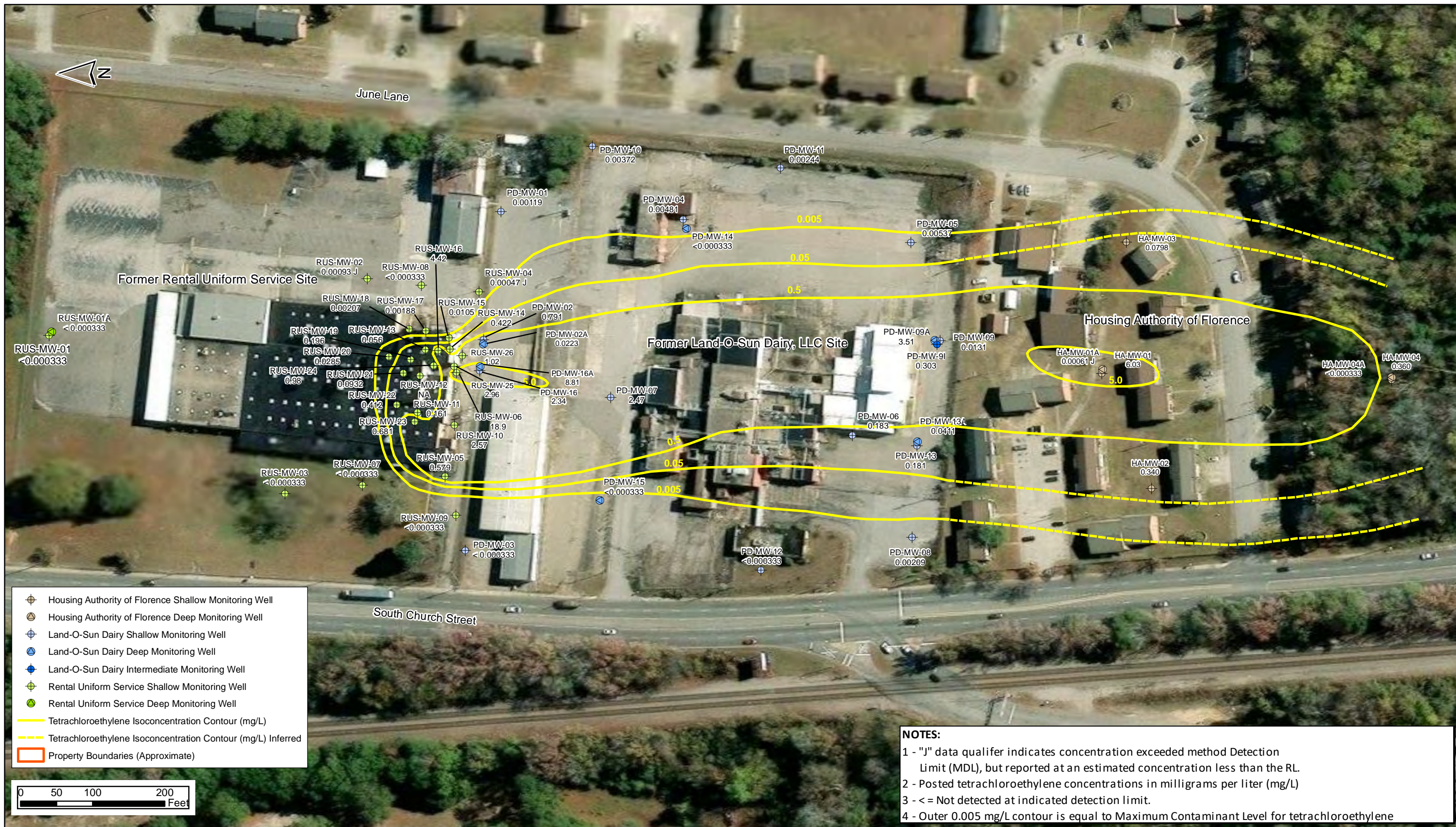
Figure 10
Dissolved Iron Concentration Versus Time Graphs
Injection Area and Downgradient Wells





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PROJECT: RNTU00123				
FORMER RENTAL UNIFORM SERVICE 906 S. CHURCH STREET FLORENCE, SOUTH CAROLINA VCC 16-6247-RP			POTENTIOMETRIC MAP -NOVEMBER 2023 WITH CROSS SECTION LOCATIONS	FIGURE 11
DATE: JANUARY 17, 2024	CREATED BY: TRP	APPRV BY: REM		



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PROJECT: RNTU00123

FORMER RENTAL UNIFORM SERVICE
906 S. CHURCH STREET
FLORENCE, SOUTH CAROLINA
VCC 16-6247-RP

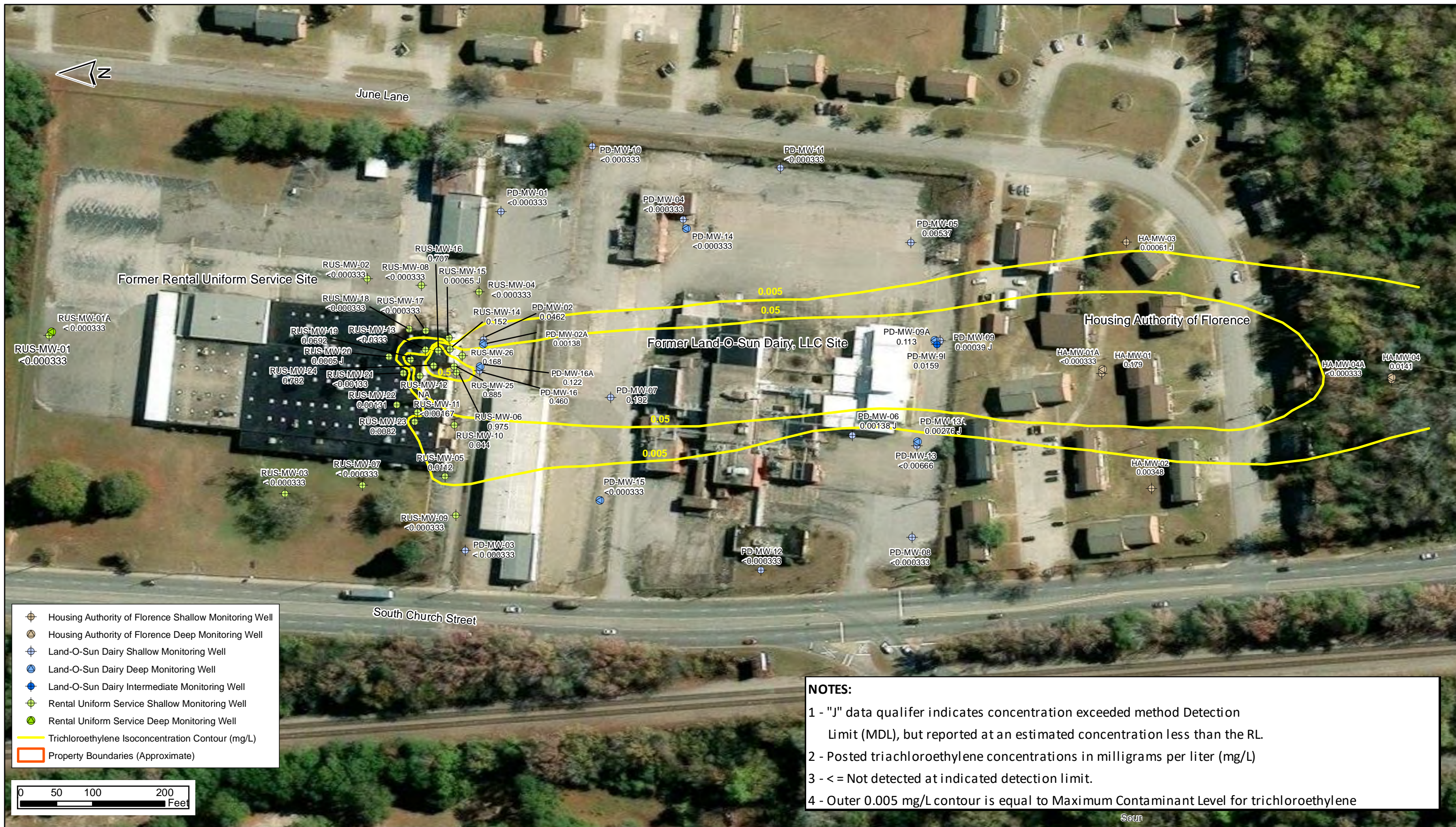
TETRACHLOROETHYLENE
ISOCONCENTRATION MAP
NOVEMBER 2023

FIGURE
12

DATE: JANUARY 16, 2024

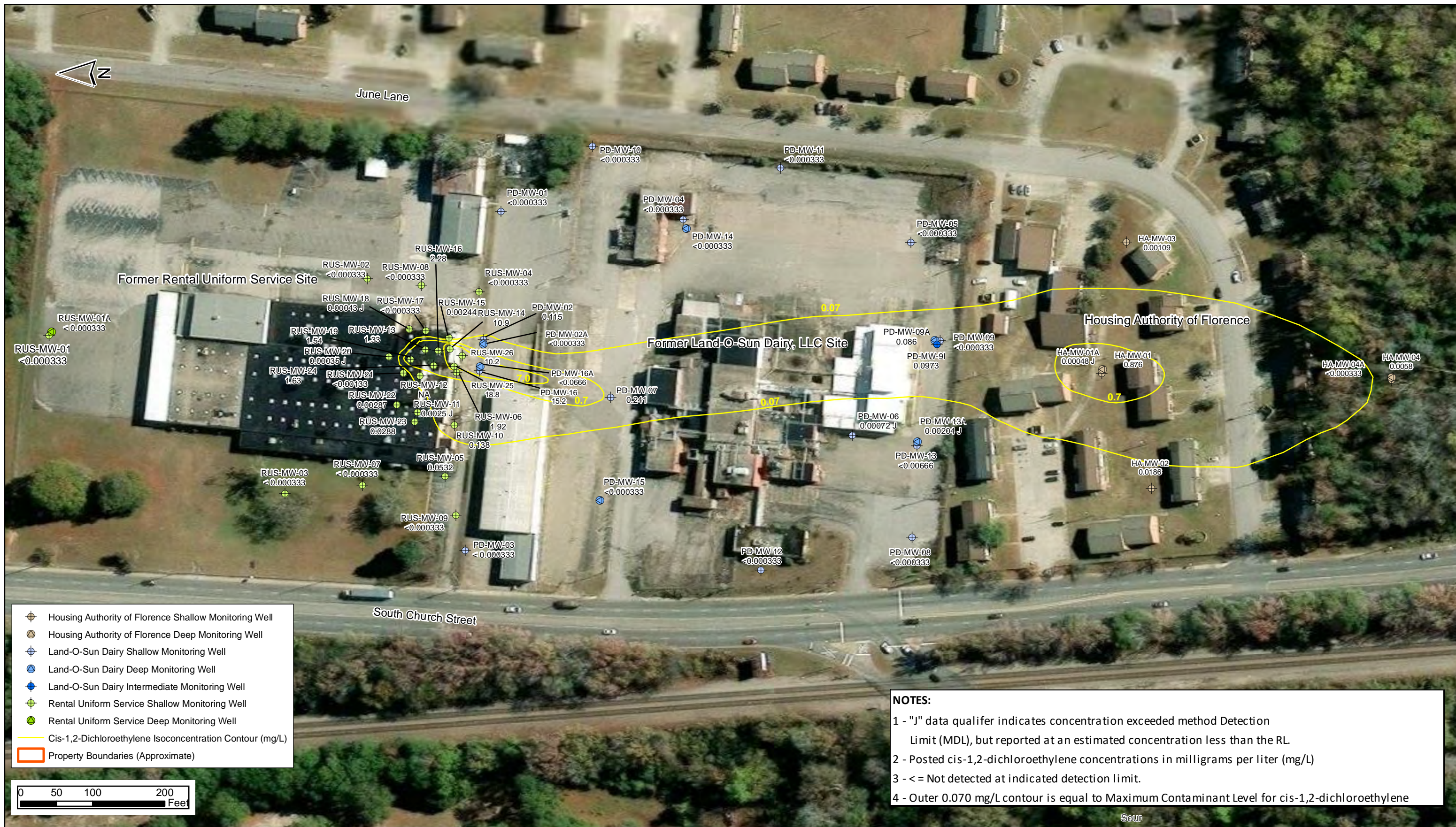
CREATED BY: TRP

APPRV BY: REM



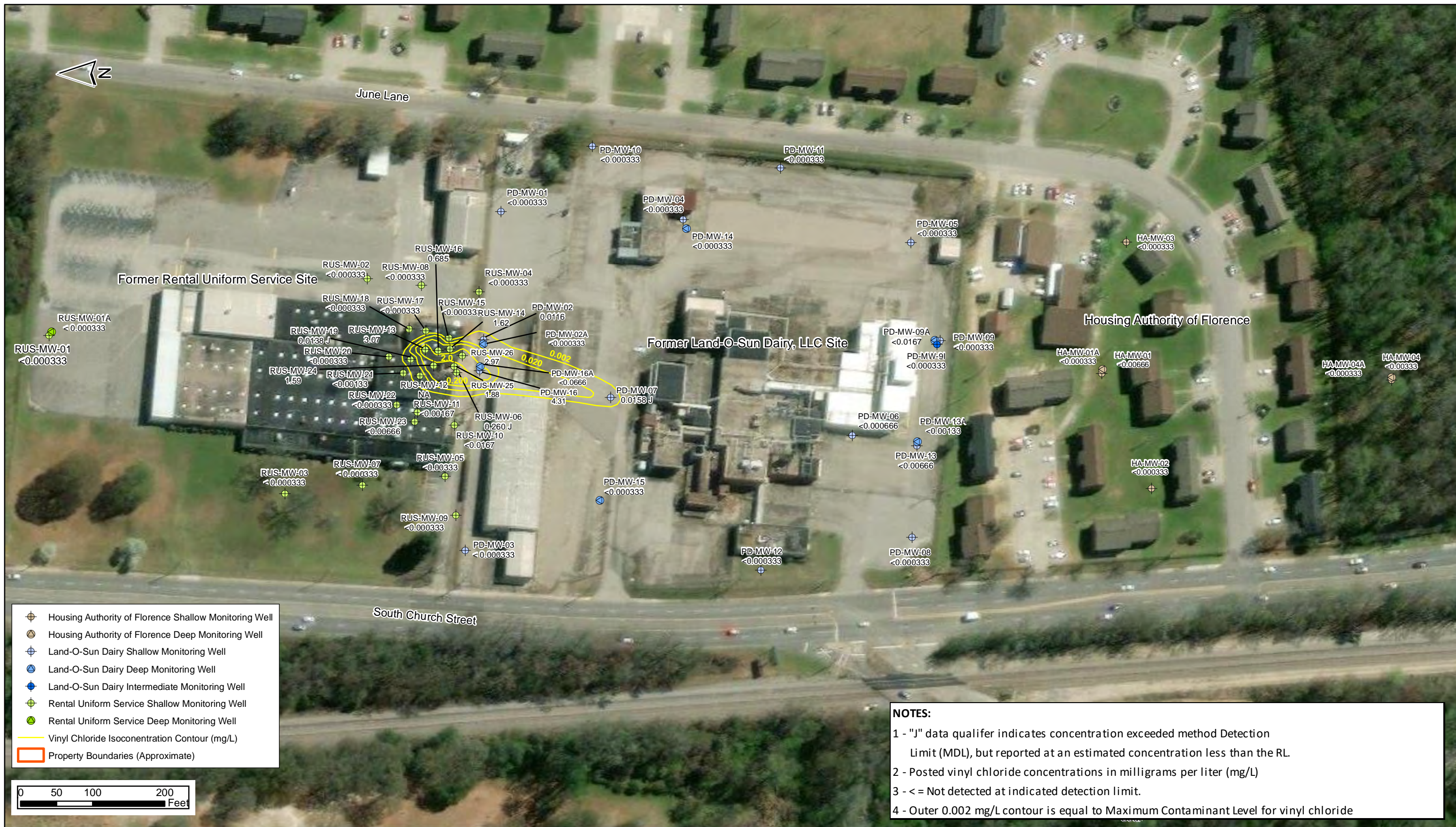
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PROJECT: RNTU00123				
FORMER RENTAL UNIFORM SERVICE 906 S. CHURCH STREET FLORENCE, SOUTH CAROLINA VCC 16-6247-RP			TRICHLOROETHYLENE ISOCONCENTRATION MAP NOVEMBER 2023	FIGURE 13
DATE: JANUARY 16, 2024	CREATED BY: TRP	APPRV BY: REM		



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PROJECT: RNTU00123			
FORMER RENTAL UNIFORM SERVICE 906 S. CHURCH STREET FLORENCE, SOUTH CAROLINA VCC 16-6247-RP		CIS-1,2-DICHLOROETHYLENE ISOCONCENTRATION MAP NOVEMBER 2023	FIGURE 14
DATE: JANUARY 16, 2024	CREATED BY: TRP	APPRV BY: REM	



NOTES:

1 - "J" data qualifier indicates concentration exceeded method Detection Limit (MDL), but reported at an estimated concentration less than the RL

2 - Posted vinyl chloride concentrations in milligrams per liter (mg/L)

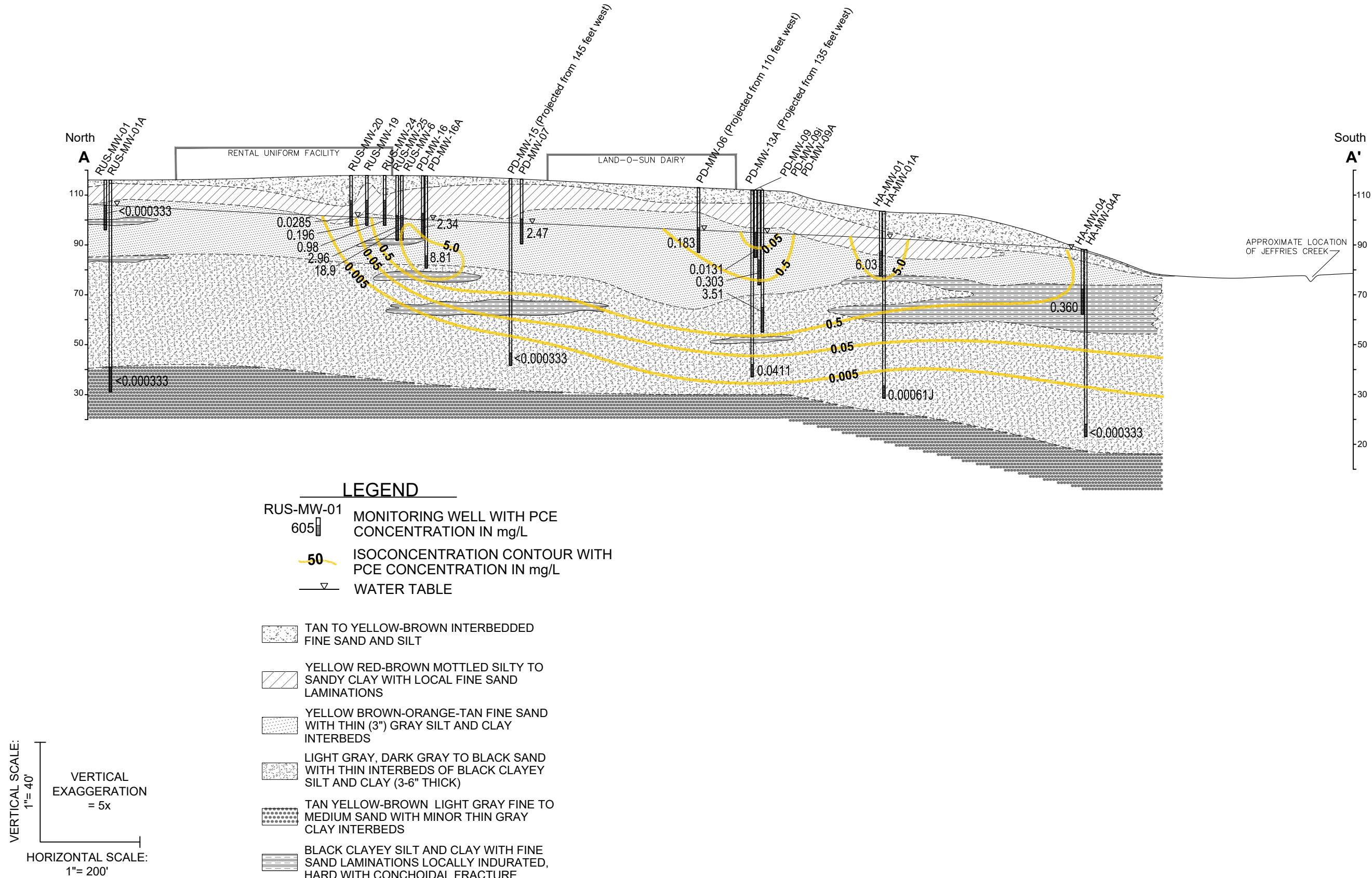
3 - < = Not detected at indicated detection limit.

4 - Outer 0.002 mg/L contour is equal to Maximum Contaminant Level for vinyl chloride

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PROJECT: RNTU00123			
FORMER RENTAL UNIFORM SERVICE 906 S. CHURCH STREET FLORENCE, SOUTH CAROLINA VCC 16-6247-RP			VINYL CHLORIDE ISOCONCENTRATION MAP NOVEMBER 2023
DATE: JANUARY 16, 2024	CREATED BY: TRP	APPRV BY: REM	FIGURE 15

PLOTTER: Jan 31, 2024 - 10:52am BY: Thomas.Pattin FILE LOCATION: M:\ClientFiles\RT\mtu-BUSE\ (C:\2023 Projects\CAD\mtu00123.dwg LAYOUT: TAB: 16



DATE	01/29/2023
DRAWN / APPROVED BY	TJP/TRP
PROJECT NUMBER	mtu00123
FIGURE	16

2023 GROUNDWATER MONITORING REPORT
 FORMER RENTAL UNIFORM SERVICE
 906 S. CHURCH STREET
 FLORENCE, SOUTH CAROLINA
 VCC 16-6247-RP

GEOLOGIC CROSS SECTION A-A'
 WITH TETRACHLOROETHYLENE
 ISOCONCENTRATION CONTOURS
 NOVEMBER 2023






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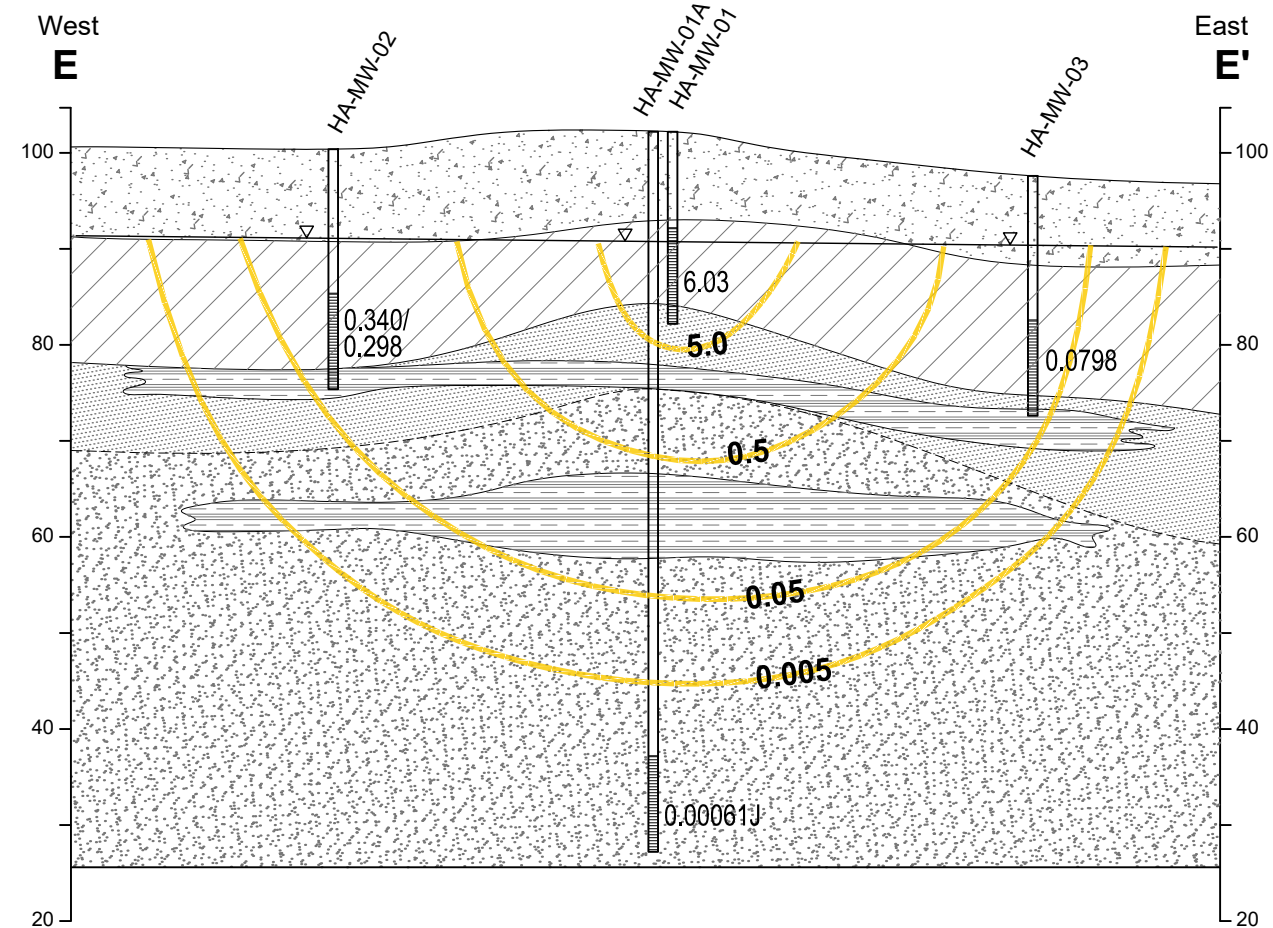
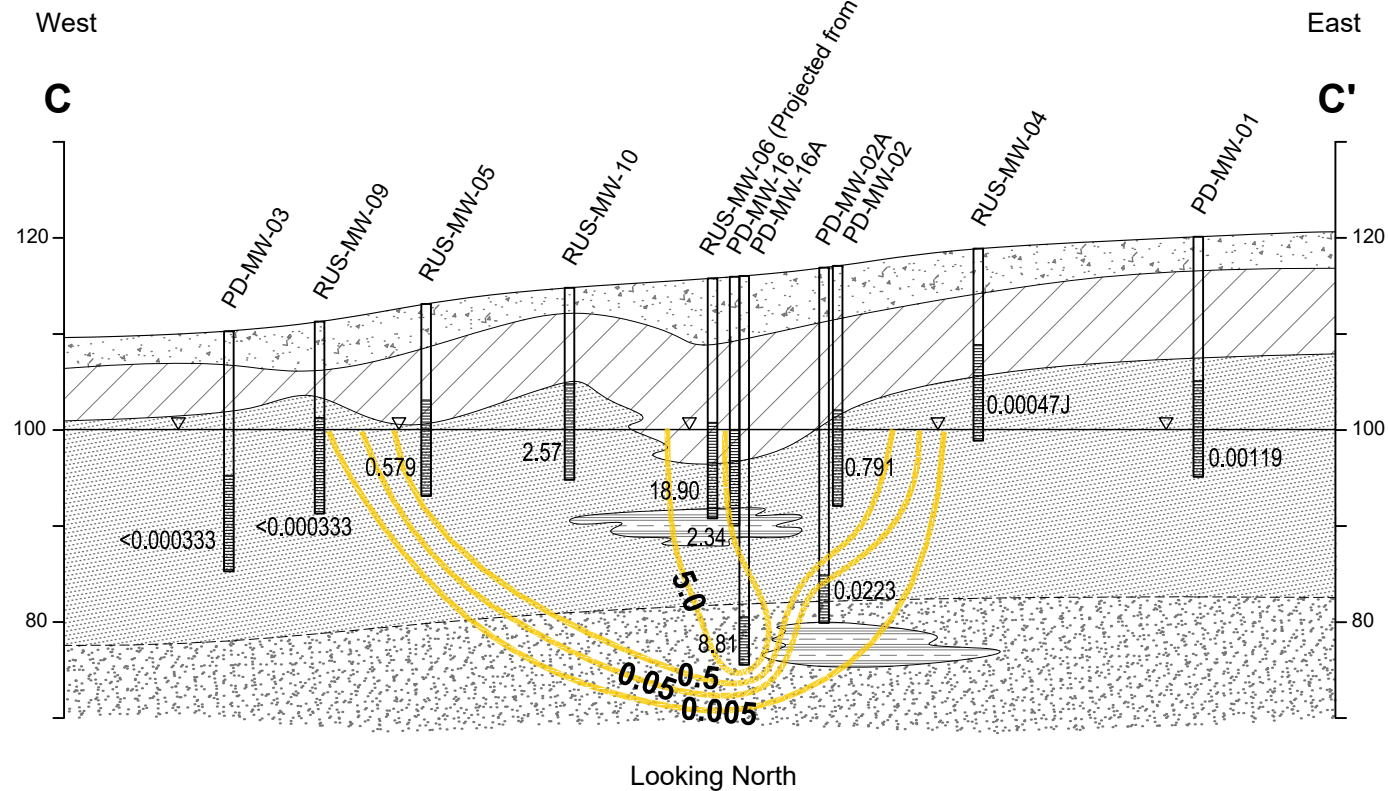
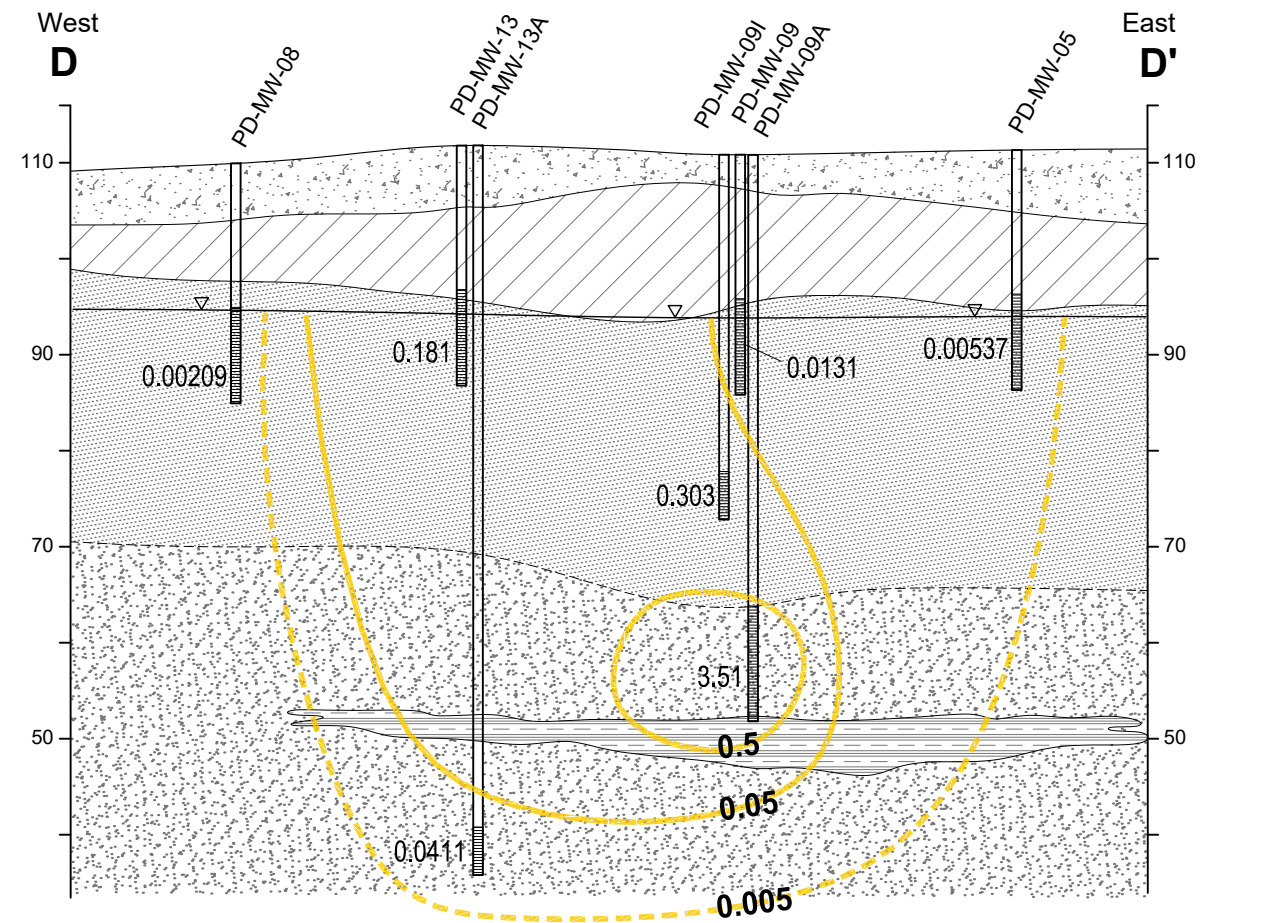
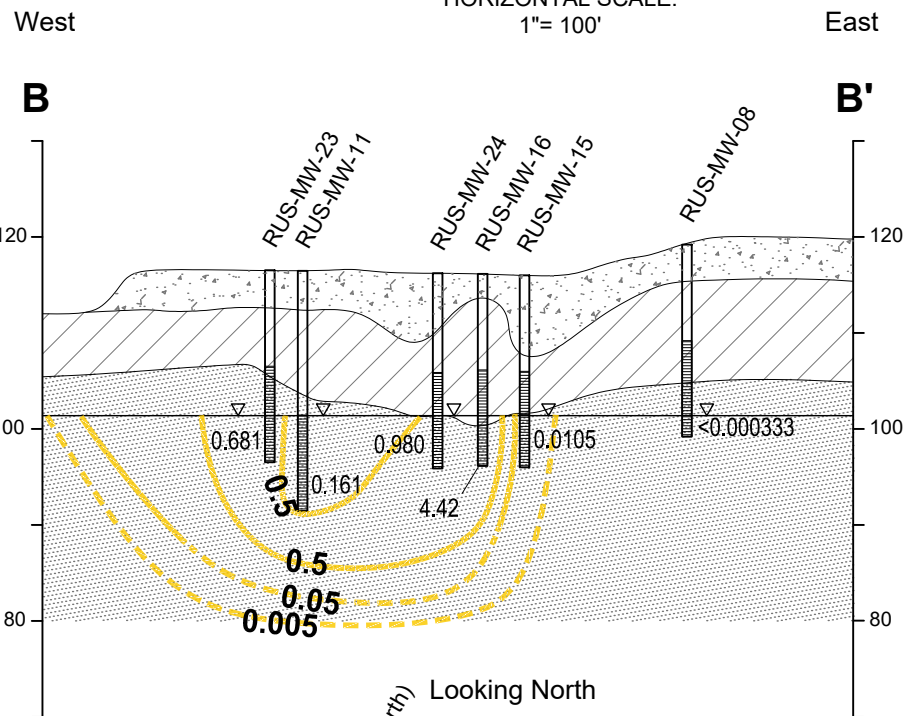
2040 Savage Road
 Charleston, SC 29407
 P 843.769.7378
 F 843.769.7397
 www.gel.com

Plotter: Jan 31, 2024 - 10:52am BY: Thomas Patton FILE LOCATION: M:\ClientFiles\K\mtu-RUS\ (C:\2023 Projects\CAD\mtu00123.dwg LAYOUT: TAB: 17

- LEGEND**
- RUS-MW-01 605  MONITORING WELL WITH PCE CONCENTRATION IN mg/L
-  50 ISOCONCENTRATION CONTOUR WITH PCE CONCENTRATION IN mg/L
-  WATER TABLE

-  TAN TO YELLOW-BROWN INTERBEDDED FINE SAND AND SILT
-  YELLOW RED-BROWN MOTTLED SILTY TO SANDY CLAY WITH LOCAL FINE SAND LAMINATIONS
-  YELLOW BROWN-ORANGE-TAN FINE SAND WITH THIN (3") GRAY SILT AND CLAY INTERBEDS
-  LIGHT GRAY, DARK GRAY TO BLACK SAND WITH THIN INTERBEDS OF BLACK CLAYEY SILT AND CLAY (3-6" THICK)
-  TAN YELLOW-BROWN LIGHT GRAY FINE TO MEDIUM SAND WITH MINOR THIN GRAY CLAY INTERBEDS
-  BLACK CLAYEY SILT AND CLAY WITH FINE SAND LAMINATIONS LOCALLY INDURATED, HARD WITH CONCHOIDAL FRACTURE

VERTICAL SCALE:
1"= 20'
VERTICAL EXAGGERATION
= 5x
HORIZONTAL SCALE:
1"= 100'



DATE 01/29/2023

DRAWN/ APPROVED BY TJP/TRP

PROJECT NUMBER mtu00123

FIGURE 17

2023 GROUNDWATER MONITORING REPORT
FORMER RENTAL UNIFORM SERVICE
906 S. CHURCH STREET
FLORENCE, SOUTH CAROLINA
VCC 16-6247-RP

GEOLOGIC CROSS SECTIONS
B-B', C-C', D-D' AND E-E'
WITH TETRACHLOROETHYLENE
ISOCONCENTRATION CONTOURS
NOVEMBER 2023

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TABLES

Table 1
Summary of Well Construction Details and November 2023 Water Level Data
Former Rental Uniform Service
Florence, South Carolina

MONITORING WELL	DATE INSTALLED	NORTHING (SC State Plane Feet)	EASTING (SC State Plane Feet)	GROUND SURFACE ELEVATION (NAVD88)	TOC ELEVATION (NAVD88)	TOTAL DEPTH (Feet from Top of Casing)	SCREENED INTERVAL (Feet below land surface)	Depth to Water from Top of Casing	Groundwater Elevation (Feet NAVD88)
RENTAL UNIFORM SERVICE									
RUS-MW-01	7/12/2013	855,898.512	2,374,892.521	114.56	114.00	20.52	10-20	8.85	105.15
RUS-MW-01A	2/29/2014	855,894.863	2,374,897.927	114.65	114.38	85.52	76-86	18.51	95.87
RUS-MW-02	7/12/2013	855,457.201	2,374,971.771	120.46	120.26	20.51	10 - 20	18.65	101.61
RUS-MW-03	7/12/2013	855,571.390	2,374,673.926	112.10	111.62	20.47	10 - 20	9.75	101.87
RUS-MW-04	7/12/2013	855,301.868	2,374,953.360	119.08	118.58	20.53	10 - 20	18.43	100.15
RUS-MW-05	7/12/2013	855,349.194	2,374,697.748	113.43	112.81	20.47	10 - 20	12.68	100.13
RUS-MW-06	7/12/2013	855,333.134	2,374,842.053	116.29	116.15	26.19	16 - 26	15.84	100.31
RUS-MW-07	3/25/2014	855,463.780	2,374,685.310	113.40	113.30	20.33	10 - 20	12.35	100.95
RUS-MW-08	3/25/2014	855,381.980	2,374,962.250	119.74	119.39	19.21	9 - 19	18.44	100.95
RUS-MW-09	3/25/2014	855,333.940	2,374,643.760	111.30	111.01	17.97	8 - 18	11.10	99.91
RUS-MW-10	3/25/2014	855,336.150	2,374,768.970	114.98	114.63	18.17	8 - 18	14.50	100.13
RUS-MW-11	3/5/2015	855,387.161	2,374,786.656	116.82	116.62	24.19	14-24	15.88	100.74
RUS-MW-12	3/5/2015	855,383.993	2,374,837.362	116.68	116.37	23.35	13-23	*	NM
RUS-MW-13	3/5/2015	855,376.382	2,374,873.405	116.76	116.31	23.17	13-23	15.52	100.79
RUS-MW-14	3/5/2015	855,342.379	2,374,874.118	116.77	116.45	23.32	13-23	17.94	98.51
RUS-MW-15	9/27/2016	855,343.657	2,374,889.335	116.88	116.59	20.69	10-20	16.07	100.52
RUS-MW-16	9/27/2016	855,358.391	2,374,871.765	116.75	116.47	20.80	10-20	15.90	100.57
RUS-MW-17	9/27/2016	855,375.602	2,374,899.445	116.81	116.58	20.79	10-20	15.11	101.47
RUS-MW-18	9/27/2016	855,399.170	2,374,901.558	116.86	116.54	20.11	10-20	15.48	101.06
RUS-MW-19	9/27/2016	855,396.704	2,374,859.626	116.80	116.54	20.58	10-20	14.62	101.92
RUS-MW-20	9/27/2016	855,427.033	2,374,863.284	116.84	116.61	20.75	10-20	15.33	101.28
RUS-MW-21	9/27/2016	855,406.962	2,374,840.774	116.79	116.57	20.75	10-20	15.44	101.13
RUS-MW-22	9/28/2016	855,415.874	2,374,796.800	116.84	116.50	17.03	12-17	15.31	101.19
RUS-MW-23	9/28/2016	855,390.947	2,374,773.677	116.81	116.53	20.67	10-20	15.85	100.68
RUS-MW-24	9/29/2016	855,364.987	2,374,851.191	116.56	116.26	20.61	10-20	15.52	100.74
RUS-MW-25	2/11/2020	855,336.44	2,374,850.21	116.37	115.81	24.22	15-25	15.90	99.91
RUS-MW-26	2/11/2020	855,325.06	2,374,864.56	116.50	116.33	24.93	15-25	18.22	98.11
LAND-O-SUN DAIRY									
PD-MW-01	3/25/2013	855,271.376	2,375,064.336	119.77	119.49	24.72	14-24	19.46	100.03
PD-MW-02	3/25/2013	855,295.508	2,374,887.117	117.52	117.18	25.11	15-25	17.03	100.15
PD-MW-02A	3/30/2015	855,295.891	2,374,880.989	117.43	117.15	37.23	32-37	17.09	100.06
PD-MW-03	3/25/2013	855,321.161	2,374,595.111	109.91	109.65	24.87	15-25	10.03	99.62
PD-MW-04	3/26/2013	855,019.174	2,375,053.694	116.32	116.03	24.84	15-25	17.94	98.09
PD-MW-05	3/26/2013	854,703.143	2,375,021.464	110.95	110.70	25.03	15-25	15.97	94.73
PD-MW-06	3/26/2013	854,784.585	2,374,754.727	112.89	112.45	24.97	15-25	16.42	96.03
PD-MW-07	2/17/2015	855,119.609	2,374,807.240	116.28	115.76	25.39	15-25	16.88	98.88
PD-MW-08	2/17/2015	854,701.487	2,374,613.149	110.43	110.22	25.89	15-25	15.18	95.04
PD-MW-09	2/17/2015	854,662.719	2,374,885.920	111.01	110.75	25.39	15-25	16.26	94.49
PD-MW-09A	3/27/2015	854,669.976	2,374,886.419	111.06	110.78	57.70	47-57	16.37	94.41
PD-MW-09I	10/12/2016	854,667.029	2,374,880.552	111.15	110.87	37.90	33-38	16.47	94.40
PD-MW-10	2/17/2015	855,144.775	2,375,155.041	118.47	118.21	25.86	15-25	19.02	99.19
PD-MW-11	2/17/2015	854,884.148	2,375,125.184	114.39	114.03	25.62	15-25	17.23	96.80
PD-MW-12	2/17/2015	854,911.246	2,374,567.985	113.47	113.40	25.91	15-25	16.02	97.38
PD-MW-13	10/11/2016	854,694.990	2,374,740.535	111.91	111.57	25.76	15-25	16.53	95.04
PD-MW-13A	10/11/2016	854,693.977	2,374,745.383	111.92	111.70	76.3	71-76	18.98	92.72
PD-MW-14	10/10/2016	855,014.423	2,375,040.859	116.52	116.02	76.16	71-76	22.35	93.67
PD-MW-15	10/13/2016	855,134.460	2,374,664.396	114.19	113.47	75.08	70-75	19.55	93.92
PD-MW-16	2/10/2020	855,300.88	2,374,844.57	116.49	116.20	24.43	15-25	16.32	99.88
PD-MW-16A	2/10/2020	855,300.05	2,374,849.80	116.51	116.33	39.36	35-40	16.86	99.47
Housing Authority of Florence									
HA-MW-01	7/18/2018	854,438.672	2,374,840.444	101.92	101.48	25.74	15-25	10.09	91.39
HA-MW-01A	7/18/2018	854,437.183	2,374,845.714	101.92	101.60	74.43	70-75	9.88	91.72
HA-MW-02	7/19/2018	854,369.216	2,374,681.266	99.99	99.73	25.37	15-25	9.66	90.07
HA-MW-03	7/19/2018	854,404.315	2,375,022.605	97.37	97.01	24.82	15-25	5.82	91.19
HA-MW-04	7/20/2018	854,036.255	2,374,831.120	83.61	86.07	27.05	15-25	0.00	86.07**
HA-MW-04A	7/20/2018	854,036.274	2,374,834.868	83.48	85.95	78.73	70-75	0.00	85.95**

Water levels measured November 6-9, 2023

* Water level could not be accurately measured due to substrate (vegetable oil) in well.

** Water flowing from well.

Table 2
Summary of Groundwater Elevation Data
Former Rental Uniform Service
Florence, South Carolina

MONITORING WELL	GROUND SURFACE ELEVATION	TOC ELEVATION	TOTAL DEPTH (Feet from Top of Casing)	SCREENED INTERVAL (Feet below land surface)	August 2018		9/8/2020		10/21/2020		1/14/2021	
					DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
RUS-MW-05	113.43	112.81	20.47	10 - 20	NM	NM	NM	NM	NM	NM	NM	NM
RUS-MW-06	116.29	116.15	26.19	16 - 26	14.30	101.85	12.46	103.69	12.17	103.98	10.43	105.72
RUS-MW-10	114.98	114.63	18.17	8 - 18	NM	NM	NM	NM	NM	NM	NM	NM
RUS-MW-12	116.68	116.37	23.35	13-23	13.93	102.44	12.10	104.27	11.90	104.47	*	NM*
RUS-MW-13	116.76	116.31	23.17	13-23	13.92	102.39	12.06	104.25	12.61	103.70	*	NM*
RUS-MW-14	116.77	116.45	23.32	13-23	14.41	102.04	12.45	104.00	12.26	104.19	10.35	106.10
RUS-MW-15	116.88	116.59	20.69	10-20	14.52	102.07	12.79	103.80	12.43	104.16	10.45	106.14
RUS-MW-16	116.75	116.47	20.80	10-20	14.35	102.12	12.48	103.99	12.33	104.14	10.25	106.22
RUS-MW-17	116.81	116.58	20.79	10-20	14.15	102.43	12.18	104.40	11.97	104.61	10.03	106.55
RUS-MW-18	116.86	116.54	20.11	10-20	13.80	102.74	11.94	104.60	11.68	104.86	9.69	106.85
RUS-MW-19	116.80	116.54	20.58	10-20	13.88	102.66	11.98	104.56	12.90	103.64	*	NM*
RUS-MW-20	116.84	116.61	20.75	10-20	14.00	102.61	11.87	104.74	11.51	105.10	9.81	NM*
RUS-MW-21	116.79	116.57	20.75	10-20	13.89	102.68	12.01	104.56	11.72	104.85	9.83	106.74
RUS-MW-24	116.56	116.26	20.61	10-20	14.26	102.00	12.10	104.16	12.21	104.05	10.06	106.20
RUS-MW-25	116.37	115.81	24.22	15-25	NM	NM	12.45	103.36	11.92	103.89	10.81	105.00
RUS-MW-26	116.50	116.33	24.93	15-25	NM	NM	12.76	103.57	12.55	103.78	10.74	105.59
LAND-O-SUN DAIRY												
PD-MW-02	117.52	117.18	25.11	15-25	15.59	101.59	NM	NM	13.55	103.63	11.87	105.31
PD-MW-02A	117.43	117.15	37.23	32-37	15.70	101.45	NM	NM	13.53	103.62	11.76	105.39
PD-MW-07	116.28	115.76	25.39	15-25	NM	NM	NM	NM	NM	NM	NM	NM
PD-MW-14	116.52	116.02	76.16	71-76	NM	NM	NM	NM	NM	NM	NM	NM
PD-MW-16	116.49	116.20	24.43	15-25	NM	NM	NM	NM	12.70	103.50	10.93	105.27
PD-MW-16A	116.51	116.33	39.36	35-40	NM	NM	NM	NM	13.33	103.00	11.56	104.77

Notes:

* = Water level could not be measured accurately due to
substrate (vegetable oil) in well

NM = Not measured

Table 2
Summary of Groundwater Elevation Data
Former Rental Uniform Service
Florence, South Carolina

MONITORING WELL	GROUND SURFACE ELEVATION	TOC ELEVATION	TOTAL DEPTH (Feet from Top of Casing)	SCREENED INTERVAL (Feet below land surface)	3/31/2021		9/13/2021		1/26/2022		4/27/2022	
					DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
RUS-MW-05	113.43	112.81	20.47	10 - 20	NM	NM	NM	NM	12.18	100.63	11.80	101.01
RUS-MW-06	116.29	116.15	26.19	16 - 26	10.75	105.40	14.22	101.93	15.71	100.44	15.19	100.96
RUS-MW-10	114.98	114.63	18.17	8 - 18	NM	NM	NM	NM	14.17	100.46	13.73	100.90
RUS-MW-12	116.68	116.37	23.35	13-23	*	NM*	*	NM*	15.10*	NM*	*	NM*
RUS-MW-13	116.76	116.31	23.17	13-23	*	NM*	*	NM*	15.47*	NM*	*	NM*
RUS-MW-14	116.77	116.45	23.32	13-23	10.82	105.63	14.35	102.10	15.89	100.56	15.35	101.10
RUS-MW-15	116.88	116.59	20.69	10-20	10.94	105.65	14.40	102.19	14.05	102.54	15.53	101.06
RUS-MW-16	116.75	116.47	20.80	10-20	10.73	105.74	14.26	102.21	15.82	100.65	15.30	101.17
RUS-MW-17	116.81	116.58	20.79	10-20	10.45	106.13	13.21	103.37	15.72	100.86	15.18	101.40
RUS-MW-18	116.86	116.54	20.11	10-20	10.21	106.33	13.70	102.84	15.43	101.11	14.91	101.63
RUS-MW-19	116.80	116.54	20.58	10-20	11.35	105.19	*	NM*	14.67*	NM*	*	NM*
RUS-MW-20	116.84	116.61	20.75	10-20	*	NM*	13.49	NM*	15.17	101.44	14.72	101.89
RUS-MW-21	116.79	116.57	20.75	10-20	11.50	NM*	13.70	102.87	15.32	101.25	14.87	101.70
RUS-MW-24	116.56	116.26	20.61	10-20	*	NM*	*	NM*	15.41	100.85	14.94	101.32
RUS-MW-25	116.37	115.81	24.22	15-25	10.70	NM*	14.43	NM*	15.76	100.05	15.20	100.61
RUS-MW-26	116.50	116.33	24.93	15-25	11.11	105.22	14.48	101.85	16.06	100.27	15.58	100.75
LAND-O-SUN DAIRY												
PD-MW-02	117.52	117.18	25.11	15-25	11.75	105.43	15.43	101.75	16.97	100.21	16.49	100.69
PD-MW-02A	117.43	117.15	37.23	32-37	12.09	105.06	15.56	101.59	16.92	100.23	16.66	100.49
PD-MW-07	116.28	115.76	25.39	15-25	NM	NM	NM	NM	16.69	99.07	16.30	99.46
PD-MW-14	116.52	116.02	76.16	71-76	NM	NM	NM	NM	21.97	94.05	21.00	95.02
PD-MW-16	116.49	116.20	24.43	15-25	11.30	104.90	14.70	101.50	16.19	100.01	15.71	100.49
PD-MW-16A	116.51	116.33	39.36	35-40	11.99	104.34	14.83	101.50	16.7	99.63	16.42	99.91

Notes:

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substrate (vegetable oil) in well

NM = Not measured

Table 2
Summary of Groundwater Elevation Data
Former Rental Uniform Service
Florence, South Carolina

MONITORING WELL	GROUND SURFACE ELEVATION	TOC ELEVATION	TOTAL DEPTH (Feet from Top of Casing)	SCREENED INTERVAL (Feet below land surface)	7/25/2022		10/26/2022		11/7/2023	
					DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
RUS-MW-05	113.43	112.81	20.47	10 - 20	12.40	100.41	13.10	99.71	12.68	100.13
RUS-MW-06	116.29	116.15	26.19	16 - 26	15.69	100.46	16.37	99.78	15.84	100.31
RUS-MW-10	114.98	114.63	18.17	8 - 18	14.31	100.32	14.97	99.66	14.50	100.13
RUS-MW-12	116.68	116.37	23.35	13-23	17.28	99.09	*	NM*	*	NM*
RUS-MW-13	116.76	116.31	23.17	13-23	*	NM*	*	NM*	15.52	100.79
RUS-MW-14	116.77	116.45	23.32	13-23	15.76	100.69	16.54	99.91	17.94	98.51
RUS-MW-15	116.88	116.59	20.69	10-20	15.80	100.79	16.72	99.87	16.07	100.52
RUS-MW-16	116.75	116.47	20.80	10-20	16.01	100.46	16.48	99.99	15.90	100.57
RUS-MW-17	116.81	116.58	20.79	10-20	15.64	100.94	16.34	100.24	15.11	101.47
RUS-MW-18	116.86	116.54	20.11	10-20	15.37	101.17	16.06	100.48	15.48	101.06
RUS-MW-19	116.80	116.54	20.58	10-20	*	NM*	*	NM*	14.62	101.92
RUS-MW-20	116.84	116.61	20.75	10-20	15.16	101.45	15.73	100.88	15.33	101.28
RUS-MW-21	116.79	116.57	20.75	10-20	15.32	101.25	16.06	100.51	15.44	101.13
RUS-MW-24	116.56	116.26	20.61	10-20	15.41	100.85	16.09	100.17	15.52	100.74
RUS-MW-25	116.37	115.81	24.22	15-25	15.74	100.07	16.43	99.38	15.90	99.91
RUS-MW-26	116.50	116.33	24.93	15-25	16.11	100.22	16.78	99.55	18.22	98.11
LAND-O-SUN DAIRY										
PD-MW-02	117.52	117.18	25.11	15-25	17.02	100.16	17.61	99.57	17.03	100.15
PD-MW-02A	117.43	117.15	37.23	32-37	17.16	99.99	17.43	99.72	17.09	100.06
PD-MW-07	116.28	115.76	25.39	15-25	16.74	99.02	17.38	98.38	16.88	98.88
PD-MW-14	116.52	116.02	76.16	71-76	23.32	92.70	22.71	93.31	22.35	93.67
PD-MW-16	116.49	116.20	24.43	15-25	16.24	99.96	16.83	99.37	16.32	99.88
PD-MW-16A	116.51	116.33	39.36	35-40	16.78	99.55	17.49	98.84	16.86	99.47

Notes:

* = Water level could not be measured accurately due to
substrate (vegetable oil) in well

NM = Not measured

Table 3
Summary of Groundwater Analytical Results
Former Rental Uniform Service
Florence, South Carolina

Well Number	Date Collected	CVOCs						Field Parameters				Natural Attenuation Parameters											
		Tetrachloroethene (ug/L)	Trichloroethene (ug/L)	cis-1,2-dichloroethene (ug/L)	trans-1,2-dichloroethene (ug/L)	1,1-dichloroethene (ug/L)	Vinyl Chloride (ug/L)	pH (SU)	Conductivity (umhos/cm)	DO (mg/L)	ORP (mV)	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)	Total Iron (ug/L)	Dissolved Iron (ug/L)	Total Manganese (ug/L)	Dissolved Manganese (ug/L)	Nitrate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	TOC (mg/L)	
		MCL = 5	MCL= 5	MCL= 70	MCL = 100	MCL = 7	MCL = 2																
RENTAL UNIFORM SITE																							
RUS-MW-01	09/13/13	0.560 J	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.5	75.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/22/14	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	5.6	72	2.09	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/08/15	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.6	67	2.96	-79.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/28/2016	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	1.7*	39	3.76	431	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/21/2018	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.3	56	2.31	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7/25/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.7	57.8	3.26	185	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/6/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.5	54.4	1.53	272	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
RUS-MW-01A	04/22/14	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	8.0	162	0.54	-93.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/08/15	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	7.1	136	4.21	-119	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/29/2016	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0*	83	0.91	227	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/23/2018	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.3	85	0.16	-24.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7/25/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.5	89.3	0.92	-80.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/6/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.7	86.4	0.01	-127.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/13/13	5.57	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.6	87.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
RUS-MW-02	04/22/14	3.58	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.8	90	2.69	89.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/08/15	2.97	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.4	91	4.89	-61.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/28/2016	3.06	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	1.7*	75	7.11	460	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/21/2018	4.98	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.2	101	5.1	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7/25/2022	1.36	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.0	135.0	4.86	400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/8/2023	0.93 J	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.1	117.2	5.96	374.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/13/13	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.3	99.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
RUS-MW-03	04/22/14	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	5.7	33	1.52	34.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/08/15	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.9	26	2.39	-104	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/28/2016	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	1.6*	27	3.59	431	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/20/2018	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.3	36	3.39	23.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/20/2018 (DUP)	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.3	36	3.39	23.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7/29/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.2	44.8	2.00	107	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7/29/2022 (DUP)	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.2	44.8	2.00	107	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/8/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.5	44	4.75	320.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/13/13	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.5	63.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
RUS-MW-04	04/23/14	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.5	67	1.03	79.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/09/15	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.6	65	0.86	-102	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/29/2016	1.21	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	1*	57	2.23	403	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/21/2018	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.1	82	0.68	9.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7/25/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.2	100.3	2.84	385.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/8/2023	0.47 J	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.2	118.7	1.95	291.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/13/13	2,990	40.7	308	3.93	0.560 J	0.300 U	4.3	156.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
RUS-MW-05	04/23/14	2,270	22.5 J	190	15.0 U	15.0 U	15.0 U	4.4	186	3.22	110.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/08/15	1,730	19.8 J	143	7.50 U	7.50 U	7.50 U	4.5	185	4.11	-57.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/1/2016	764	7.60 J	43.7	3.33 U	3.33 U	3.33 U	4.1	128	5	236	10.0 U	10.0 U	10.0 U	30.0 U	30.0 U	NA	NA	1.81	2.73	17.6	0.892 J	
	8/20/2018	793	10.3	58	3.33 U	3.33 U	3.33 U	6.3	150	4.57	18.8	10.0 U	10.0 U	10.0 U	35.4 J	30.0 U	NA	NA	2.8	1.21	35.1	0.635 J	
	1/27/2022	184	2.56 J	11.8	1.33 U	1.33 U	1.33 U	4.5	66.5	2.5	174	10.0 U	10.0 U	10.0 U	114	30.0 U	NA	NA	1.47	3.26	8.08	0.533 J	
	4/27/2022	397	4.28	16.1	1.33 U	1.33 U	1.33 U	4.1	88.5	3.00	249	10.0 U	10.0 U	10.0 U	30.0 U	30.0 U	NA	NA	1.97	3.19	14.1	0.330 U	
	7/28/2022	356	4.52	20.4	1.33 U	1.33 U	1.33 U	5.8	95.3	3.71	80.2	10.0 U	10.0 U	10.0 U	30.0 U	30.0 U	5.81 J	5.58 J	1.94	3.08	15.5	0.597 J	
	10/26/2022	424	6 J	25.6	3.33 U	3.33 U	3.33 U	4.3	88.8	2.28	248.8	10 HU	10 HU	10 HU	197	30 U	NA	NA	1.81	3.25	14.2	0.33 U	
	11/9/2023	579	11.2	53.2	3.33 U	3.33 U	3.33 U	4.4	96.5	2.4	291.1	25.2	10.0 U	10.0 U	NA	30 U	NA	NA	6.02 J	1.86	2.41	17	0.368 J
	09/13/13	25,600	235 J	1,990	8.79	3.76	150 U	4.7	70.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/23/14	20,200	103 J	363	75.0 U	75.0 U	75.0 U	4.8	56	0.71	53.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	04/09/15	16,700	75.0 U	238 J	75.0 U	75.0 U	75.0 U	4.9	46	0.93	-120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/1/2016	11,500	178 J	122 J	66.6 U	66.6 U	66.6 U	5.1	44	2.52	414	12.2 J	10 U	10 U	50.6 J	30 U	NA	NA	0.664	1.07			

Table 3
Summary of Groundwater Analytical Results
Former Rental Uniform Service
Florence, South Carolina

Well Number	Date Collected	CVOCs						Field Parameters				Natural Attenuation Parameters										
		Tetrachloroethene (ug/L)	Trichloro-ethene (ug/L)	cis-1,2-dichloro-ethene (ug/L)	trans-1,2-dichloro-ethene (ug/L)	1,1-dichloro-ethene (ug/L)	Vinyl Chloride (ug/L)	pH (SU)	Conductivity (umhos/cm)	DO (mg/L)	ORP (mV)	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)	Total Iron (ug/L)	Dissolved Iron (ug/L)	Total Manganese (ug/L)	Dissolved Manganese (ug/L)	Nitrate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	TOC (mg/L)
		MCL = 5	MCL= 5	MCL= 70	MCL = 100	MCL= 7	MCL = 2															
RUS-MW-09	04/23/14	1.45 B	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.4	103	3.27	125.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/09/15	0.770 J	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.5	68	4.41	-35.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/29/2016	1.41	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.2*	56	3.27	359	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/20/2018	0.5 J	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.5	62	3.35	5.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7/29/2022	0.540 J	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.8	61.4	3.35	116	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/9/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.4	55.2	2.5	277.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUS-MW-10	04/23/14	4,910	82.8	413	5.90	1.68	1.88	4.8	248	2.36	92.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/09/15	3,050	46.0 J	223	15.0 U	15.0 U	15.0 U	4.7	209	4.41	-74.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/2016	2,440	32.0 J	145	16.7 U	16.7 U	16.7 U	4.7	138	7.49	428	10.0 U	10.0 U	10.0 U	33.7 J	30.0 U	NA	NA	2.550	1.24	33.8	0.878 J
	8/20/2018	2,270	39.5	168	8.33 U	8.33 U	8.33 U	6.6	70	2.28	6.1	10.0 U	10.0 U	10.0 U	30.0 U	30.0 U	NA	NA	1.73	1.47	13.8	0.493 J
	1/27/2022	1,880	42.0	138	8.33 U	8.33 U	8.33 U	4.5	66.4	2.82	200	49.4 B	10 U	10 U	30.0 U	30.0 U	NA	NA	1.38	1.36	9.47	0.348 J
	4/27/2022	2,780	52.5	137	8.33 U	8.33 U	8.33 U	4.3	66.6	3.75	287	10.0 U	10.0 U	10.0 U	30.0 U	30.0 U	NA	NA	1.43	1.61	10.4	0.330 U
	7/28/2022	1,510	37.5 J	113	16.7 U	16.7 U	16.7 U	5.8	59.2	3.19	71	10.0 U	10.0 U	10.0 U	41.1 J	30.0 U	5.65 J	5.83 J	1.32	1.89	8.82	0.526 J
	10/26/2022	2,870	54	152	16.7 U	16.7 U	16.7 U	4.5	54	2.54	161.4	10 U	10 U	10 U	72.9 J	30 U	NA	NA	1.22	2.58	7.72	0.379 J
	11/8/2023	2570	44	138	16.7 U	16.7 U	16.7 U	4.6	56.5	2.71	191.7	40.4	10 U	10 U	NA	32.5 J	NA	6.86 J	1.34	2.09	8.31	0.335 J
	04/09/15	7,280	81.0 J	406	30.0 U	30.0 U	30.0 U	4.8	57	3.03	-82.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUS-MW-11	12/2/2016	19,100	248 J	923	83.3 U	83.3 U	83.3 U	4.7	67	4.67	374	11.2 J	10 U	10 U	30.0 U	30.0 U	NA	NA	1.59	1.85	12.6	1.27
	8/21/2018	1,100	10.5 J	41	8.33 U	8.33 U	8.33 U	4.6	37	2.00	156	10 U	10 U	10 U	48.2 J	30.0 U	NA	NA	1.09	2.27	5.29	0.485 J
	7/27/2022	260	0.930 J	3.45 J	0.333 U	0.333 U	0.333 U	4.7	52.9	2.48	252	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/8/2023	161	1.67 U	2.5 J	1.67 U	1.67 U	1.67 U	4.7	54.2	1.95	302	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/09/15	1,500	47.2	17.2 J	6.00 U	6.00 U	6.00 U	4.9	43	0.42	-136	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUS-MW-12	11/29/2016	652	18.9	22.0	0.333 U	0.333 U	0.333 U	0.6*	40	2	367	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/21/2018	710	16.7	14.7	3.33 U	3.33 U	3.33 U	4.7	42	0.68	139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/9/2020	470 B	12.2	6 J	0.333 U	0.333 U	0.333 U	4.1	54	0.78	338	16.7 J	10 U	10 U	30 U	30 U	NA	NA	1.32	0.641	NA	0.691 J
	10/21/2020	27.5	4.49	5.37	0.333 U	0.333 U	0.540 J	5.7	54	0.14	168.5	37.1	10 U	10 U	144,000	90,300	NA	NA	0.0330 U	0.785	NA	137
	1/15/2021	38.5	6.49	10.9	0.333 U	0.333 U	0.900 J	5.5	970	0.06	-70.1	19,100	10 U	10 U	342,000	341,000	NA	NA	0.0366 J	0.773 J	NA	863
	4/1/2021	64.6	13.8	30.2	0.333 U	0.333 U	2.50	5.2	550	0.22	102	18,700	500 U	500 U	180,000	167,000	NA	NA	0.132 U	0.525	NA	220
	9/14/2021	142	107	130	1.67 U	1.67 U	8.55	5.3	669	0.07	29.6	14,100	500 U	500 U	184,000	174,000	NA	NA	0.13	0.505	NA	86.4
	1/27/2022	122	40.2	82.6	1.33 U	1.33 U	2.16 J	5.2	439	0.6	16.8	7,710 B	10 U	10 U	119,000	105,000	NA	NA	0.0330 U	0.133 U	9.27	235
	4/28/2022	20.5	15.1	87.2	0.666 U	0.666 U	3.02	5.4	445	0.46	-65.1	9,660	10 U	10 U	106,000	105,000	NA	NA	0.0330 U	0.133 U	9.17	92.4
	7/27/2022	130	87.1	216	0.666 U	1.36 J	4.34	5.4	2.3	0.91	-15.5	10,400	10 U	10 U	118,000	88,400	814	648	0.0679 J	0.247 J	8.94	176
	10/27/2022	119	8.55	31.1	1.67 U	1.67 U	1.67 U	5.5	265	1.76	-60.7	18,800	10 U	10 U	114,000	69,600	NA	NA	0.672 J	0.478 J	8.09	55.5
	11/8/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/10/15	13,200	140 J	355	75.0 U	75.0 U	75.0 U	5.7	97	0.55	-112	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/2/2016	4,360	93.0 J	817	33.3 U	33.3 U	33.3 U	6.1	118	3.75	248	1,200	10 U	10 U	26,900	25,800	NA	NA	0.48	4.37	12.6	1.35
	8/21/2018	1,450	240	2,590	33.3 U	33.3 U	33.3 U	6.7	159	0.35	-41.6	5,510	10 U	10 U	31,600	31,700	NA	NA	0.297	1.33	17	1.15
RUS-MW-13	9/9/2020	1,870	290	1,690	8.33 U	3.67	7.86	5.8	197	0.6	-66	7,050	10 U	10 U	40,800	39,700	NA	NA	0.177	0.89	NA	1.8
	10/22/2020	33.3 U	33.3 U	5,180	33.3 U	33.3 U	33.3 U	6.1	94	0.25	220.5	50.0 U	74.3 J	77,900	77,500	NA	NA	0.659	1.28	NA	276	
	1/15/2021	666	77.0 J	8,390	33.3 U	33.3 U	51.0	5.8	807	0.03	-141	18,700	233	39.6	156,000	153,000	NA	NA	0.303	3.21	NA	315
	4/1/2021	62.0 J	33.3 U	7,550	33.3 U	33.3 U	51.0 J	5.9	477	0.24	18.8	12,700	500 U	500 U	74,400	70,800	NA	NA	0.246	0.828	NA	62.5
	9/14/2021	33.3 U	33.3 U	5,830	33.3 U	33.3 U	39.0 J	6.4	273	0.18	-61.1	13,200	500 U	500 U	42,400	42,500	NA	NA	0.442	1.28	NA	30.9
	1/27/2022	36.0 J	33.3 U	2,610	33.3 U	33.3 U	33.3 U	5.9	183	0.65	-43.9	2,020	14.7 J	29.2	20,400	19,900	NA	NA	0.27	1.17	13.2	5.90
	4/28/2022	191	33.3 U	6,980	33.3 U	33.3 U	33.3 U	6.1	279	0.31	-80.3	7,490	36.8	146	39,100	38,800	NA	NA	0.279	0.636	25.3	7.93
	7/26/2022	85.0 J	33.3 U	7,360	33.3 U	33.3 U	178	6.1	306.5	0.29	-86.3	6680	22 J	96.6	40,300	37,800	92.4	93.9	0.283	0.539	28	8.04
	10/27/2022	36 J	33.3 U	1,130	33.3 U	33.3 U	3,230	6.1	227.4	0.12	-43.5	5,360	16 J	473	23,500	18,200	NA	NA	0.87	1.49	22.7	4.29
	11/8/2023	56	33.3 U	1,330	33.3 U	33.3	3,070	6.2	236	0.2	-56.9	5,580 H	10 U	301								

Table 3
Summary of Groundwater Analytical Results
Former Rental Uniform Service
Florence, South Carolina

Well Number	Date Collected	CVOCs						Field Parameters				Natural Attenuation Parameters										
		Tetrachloroethene (ug/L)	Trichloroethene (ug/L)	cis-1,2-dichloroethene (ug/L)	trans-1,2-dichloroethene (ug/L)	1,1-dichloroethene (ug/L)	Vinyl Chloride (ug/L)	pH (SU)	Conductivity (umhos/cm)	DO (mg/L)	ORP (mV)	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)	Total Iron (ug/L)	Dissolved Iron (ug/L)	Total Manganese (ug/L)	Dissolved Manganese (ug/L)	Nitrate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	TOC (mg/L)
		MCL = 5	MCL= 5	MCL= 70	MCL= 100	MCL= 7	MCL= 2															
RUS-MW-18	11/30/2016	28.8	1.89	0.840 J	0.333 U	0.333 U	0.333 U	4.5	81	4.2	282	10 U	10 U	10 U	30 U	48.5 J	NA	NA	1.77	1.13	10.6	0.644 J
	8/21/2018	4.15	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.6	72	1.54	156	10 U	10 U	10 U	30 U	30 U	NA	NA	2.24	1.03	10.7	0.526 J
	7/26/2022	1.86	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.0	73.5	3.17	271.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2023	2.07	0.333 U	0.43 J	0.333 U	0.333 U	0.333 U	4.6	73.9	2.82	352	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUS-MW-19	11/30/2016	354	28.1	9.90	1.67 U	1.67 U	1.67 U	4.8	90	3.43	234	735	10 U	10 U	161	136	NA	NA	0.824	0.867	11.4	1.22
	8/21/2018	68.3	4.55 J	1.67 U	1.67 U	1.67 U	1.67 U	5	54	1.44	134	17.7 J	10 U	10 U	111	103	NA	NA	1.04	0.793	8.59	0.521 J
	7/27/2022	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/8/2023	196	69.2	1,540	6.66 U	6.66 U	13.8 J	6.30	3470	0.76	-110.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUS-MW-20	11/30/2016	27.0	0.550 J	0.333 U	0.333 U	0.333 U	0.333 U	4.2	60	4.04	310	10 U	10 U	10 U	221	55.7 J	NA	NA	1.32	0.724	8.57	0.623 J
	8/21/2018	4.63	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.6	51	2.52	162	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2022	35.8	0.770 J	0.460 J	0.333 U	0.333 U	0.333 U	4.6	65.2	6.3	287	10 U	10 U	10 U	323	30 U	21.7	20.8	2.54	0.737	8.58	0.506 J
	11/8/2023	28.5	0.5 J	0.35 J	0.333 U	0.333 U	0.333 U	4.6	55.8	3.00	350	11 J	10 U	10 U	NA	30 U	NA	16.7	1.29	0.682	8.35	0.33 U
RUS-MW-21	12/1/2016	233	6.55	5.15	1.67 U	1.67 U	1.67 U	4	56	5.31	311	10 U	10 U	10 U	30 U	49 J	NA	NA	1.27	1.13	6.76	0.639 J
	8/21/2018	19	0.38 J	0.333 U	0.333 U	0.333 U	0.333 U	4.5	40	2.25	157	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2022	49.1	0.930 J	0.333 U	0.333 U	0.333 U	0.333 U	4.7	56.7	3.7	326	10 U	10 U	10 U	30 U	30 U	10.1	10.2	1.47	0.987	8.42	0.411 J
	11/8/2023	93.2	1.33 U	1.33 U	1.33 U	1.33 U	1.33 U	4.6	51.3	2.15	346	10 U	10 U	10 U	NA	30 U	NA	9.27 J	1.1	0.829	7.64	0.384 J
RUS-MW-22	12/1/2016	258	2.90 J	6.30	1.67 U	1.67 U	1.67 U	4.2	49	5.23	318	10 U	10 U	10 U	341	42.8 J	NA	NA	0.992	3.04	4.31	0.705 J
	8/21/2018	448	4.05 J	11.8	1.67 U	1.67 U	1.67 U	4.5	68	3.43	198	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2022	225	2.63	4.60 J	0.333 U	0.333 U	0.333 U	5.3	59.2	5.46	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/8/2023	412	1.31	2.87	0.333 U	0.333 U	0.333 U	5.1	53.9	2.81	287	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RUS-MW-23	12/1/2016	2,410	30.0 J	128	1.67 U	1.67 U	1.67 U	4.2	59	4.86	332	10 U	10 U	10 U	89.2 J	30.0 U	NA	NA	1.08	2.51	6.74	0.839 J
	8/21/2018	1,250	16.7 U	61.5	16.7 U	16.7 U	16.7 U	4.7	40	2.7	154	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/27/2022	995	11.8	37.0	0.333 U	0.333 U	0.333 U	4.7	56.1	3.22	244	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/8/2023	681	8.2	28.8	6.66 U	6.66 U	6.66 U	4.7	51.2	1.83	309	20.8 J	10 U	10 U	NA	30 U	NA	8.84 J	1.15	2.61	5.55	0.377 J
RUS-MW-24	11/30/2016	8,070	1,120	810	20.3	2.25	66.6 U	5.5	192	4.35	lkl	81.4	10 U	17.1 J	4,040	3,950	NA	NA	0.685	3.46	12.7	1.28
	8/21/2018	6,020	840	184 J	66.6 U	66.6 U	66.6 U	6.4	55	0.88	1.3	302	10 U	42.1	1,990	1,850	NA	NA	0.872	1.25	9.62	0.819 J
	9/8/2020	46,800	5,480	4,690	255 J	17	1,720	5.4	249	1.3	65.9	1,780	10 U	285	3,280	3,020	NA	NA	0.576	5.53	NA	3.25
	10/21/2020	1,840	20,600	13,800	213	83.3 U	348	5.9	229	1.33	70.9	432 H	20 HU	104 H	49,300	45,200	NA	NA	0.033	0.813	NA	36.3
	1/14/2021	993	2,560	50,300	245 J	95.0 J	770	6.0	551	0.16	-71	3,230	17.7 J	279	39,800	39,900	NA	NA	0.474	0.163 J	NA	58.7
	4/1/2021	2,120	3,090	21,700	333 U	333 U	860 J	5.9	388	0.44	-12.1	1,140	50 U	208	38,400	38,600	NA	NA	0.476	0.522	NA	46.4
	9/14/2021	28,700	23,200	82,000	333 U	333 U	49,100	6.2	301	0.29	-54.9	1,820	51.2 J	347	41,800	41,400	NA	NA	0.242	0.534	NA	27.8
	1/26/2022	5,330	1,630	11,800	95.0 J	83.3 U	6,000	6.2	599	0.8	-66.9	1,850 J	24.4 J	827 J	59,400	57,200	NA	NA	0.330 U	0.369 J	47.5	63.0
	4/28/2022	2,750	405	2,790	26.5 J	16.7 U	1,860	6.0	443	0.44	-74.2	2,190	20.2 J	610	50,200	48,700	NA	NA	0.313	0.414	32.3	35.6
	7/28/2022	1,790	308	3,010	16.7 U	16.7 U	1,790	6.2	452	0.34	-48.7	2,360	10.8 J	512	52,500	42,200	216	202	0.425	0.297 J	33.2	39.1
	10/27/2022	2,460	425	1,910 H	22.5 J	16.7 U	1,720 H	6.1	364	0.25	-123.9	2,250	14.6 J	439	35,900	32,200	NA	NA	0.555	0.493	28	16.5
	11/8/2023	980	782	1,630	20	16.7	1,590	6.2	304.7	0.17	-96.5	5,590 H	10 U	641 H	NA	30,500	NA	110	0.439	0.38 J	27	2.19
	9/8/2020	33,400 E	1,010	2,410	167 U	7.03	535	4.7	227	0.49	210	936	10 U	160	1,090	479	NA	NA	0.0894 J	24.7	NA	3.94
	10/22/2020	51,000	850 J	5,360	333 U	333 U	800 J	4.9	255	0.34	238.6	1,770	268	50 U	528	350	NA	NA	0.113	10.3	NA	7.00
	1/14/2021	46,600	1,400	3,810	333 U	333 U	333 U	5.1	256	0.41	8.6	1,990	31.2	250	1,500	1,490	NA	NA	0.033 U	6.18	NA	11.40
	4/1/2021	46,100	2,510	3,720	333 U	333 U	350 J	5.0	194	0.36	99.6	576	20.2 J	576	3,960	3,290	NA	NA	0.147	4.67	NA	19.30
RUS-MW-25	9/14/2021	38,300	9,350	36,100	333 U	333 U	333 U	5.7	210	0.28	13.2	596	21.8 J	73.5	20,100	19,400	NA	NA	0.0330 U	2.78	NA	6.79
	1/26/2022	6,580	1,630	19,600	167 U	167 U	175 J	5.7	290	0.46	5.8	471 B	10.5 J	98.1	35,800	36,400	NA	NA	0.0434 J	1.24	42.4	11.80
	4/27/2022	1,970	1,320	12,600	167 U	167 U	585	5.6	298	0.33	-30.0	2,130	13.4 J	193	41,500	37,100	NA	NA	0.165 U	2.10	35.5	4.79
	7/26/2022	635	810	22,100	167 U	167 U	1,460	5.8	365	1.71	14.1	2360	18.1 J	387	46,200	43,100	342	321	0.033 U	1.28	52.1	11.7
	10/26/2022	2,730	2,200	6,080	167 U	167 U	2,400 H	5.8	237	0.13	-9.7	1,430 H	10 U	282	41,000	30,700	NA	NA				

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Well Number	Date Collected	CVOCs						Field Parameters				Natural Attenuation Parameters										
		Tetrachloroethene (ug/L)	Trichloroethene (ug/L)	cis-1,2-dichloroethene (ug/L)	trans-1,2-dichloroethene (ug/L)	1,1-dichloroethene (ug/L)	Vinyl Chloride (ug/L)	pH (SU)	Conductivity (umhos/cm)	DO (mg/L)	ORP (mV)	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)	Total Iron (ug/L)	Dissolved Iron (ug/L)	Total Manganese (ug/L)	Dissolved Manganese (ug/L)	Nitrate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	TOC (mg/L)
		MCL = 5	MCL= 5	MCL= 70	MCL = 100	MCL = 7	MCL = 2															
PD-MW-02A	04/06/15	4,170	58.0	15.0 U	15.0 U	15.0 U	15.0 U	6.8	138	0.32	-429	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	748	14.9	3.33 U	3.33 U	3.33 U	3.33 U	5.5	50	1.32	286	10 U	10 U	10 U	2,120	1,920	NA	NA	0.0373 J	10.9	5.09	0.482 J
	8/22/2018	310	21.1	3.33 U	3.33 U	3.33 U	3.33 U	6.4	53	0.32	11.4	10 U	10 U	10 U	1,590	1,430	NA	NA	0.033 U	11.1	5.04	0.33 U
	10/21/2020	35.0	2.1	3.33 U	3.33 U	3.33 U	3.33 U	4.4	57	0.91	136.4	10 U	10 U	10 U	1,910	115	NA	NA	0.0779 J	10.9	NA	0.536 J
	1/14/2021	33.3	2.36	3.33 U	3.33 U	3.33 U	3.33 U	5.1	58.7	0.77	216	10 U	10 U	10 U	1,740	1,350	NA	NA	0.033 U	11.4	NA	0.330 U
	3/31/2021	35.7	2.41	0.333 U	0.333 U	0.333 U	0.333 U	5.0	59.8	2.05	206	10 U	10 U	10 U	861	799	NA	NA	0.033 U	12.3	NA	0.330 U
	9/13/2021	20.6	1.46	0.333 U	0.333 U	0.333 U	0.333 U	5.1	62.8	3.66	250	14.1 J	10 U	10 U	1,590	1,260	NA	NA	0.0449 J	11.3	NA	0.502 J
	1/26/2022	23.0	1.48	0.333 U	0.333 U	0.333 U	0.333 U	5.1	65.2	3.18	339	32.6 B	10 U	10 U	1,240	72.9 J	NA	NA	0.0330 U	11.7	5.21	0.505 J
	4/27/2022	38.8	2.15	0.333 U	0.333 U	0.333 U	0.333 U	4.7	59.6	2.39	260	10 U	10 U	10 U	744	378	NA	NA	0.0330 U	12.5	5.36	0.330 U
	7/28/2022	25.3	1.91	0.333 U	0.333 U	0.333 U	0.333 U	6.4	61.0	0.92	131	10 U	10 U	10 U	656	141	56	54	0.0704 J	12.0	5.32	0.330 U
	10/26/2022	63.8	2.41	0.333 U	0.333 U	0.333 U	0.333 U	5.0	58.1	1.38	173.1	10 HU	10 HU	10 HU	1650	1140	NA	NA	0.033 U	11.4	5.19	0.33 U
	11/7/2023	22.3	1.38	0.333 U	0.333 U	0.333 U	0.333 U	5.2	59.1	2.71	239	10 U	10 U	10 U	NA	131	NA	57.2	0.033 U	11.3	5.03	0.33 U
PD-MW-03	3/29/2013	52 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.18	45	5.18	64.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/13/13	0.320 J	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	5.4	63.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/06/15	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	5.4	40	2.04	-21.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/29/2016	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.6*	33	2.84	421	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/22/2018	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.9	45	0.8	94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.9	45.9	0.58	195	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/6/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.9	42.4	0.70	254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PD-MW-04	3/29/2013	55	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.34	71	4.84	-30.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/13/13	46.0	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.7	68.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/07/15	26.9	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.6	68	4.73	-24.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/2016	15.0	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.9	61	5.73	408	10 U	10 U	10 U	30 U	30 U	NA	NA	3.95	1.36	9.38	0.482 J
	8/22/2018	9.1	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.4	81	4.47	169	10 U	10 U	10 U	30 U	30 U	NA	NA	3.44	0.578	7.93	0.441 J
	7/25/2022	2.87	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.1	61.1	7.75	349.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/6/2023	4.81	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.5	71.3	4.83	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PD-MW-05	3/29/2013	83	1.0 U	1.0	1.0 U	1.0 U	1.0 U	5.28	67	5.3	-8.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/13/13	56.7	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.8	91.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/07/15	36.4	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.5	103	3.74	-41.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	19.2	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.6	98	5.06	368	10 U	10 U	10 U	40.4 J	30 U	NA	NA	16.2	1.29	12.5	0.907 J
	8/22/2018	11.7	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5	134	4.54	32.2	10 U	10 U	10 U	30 U	30 U	NA	NA	8.91	0.481	7.26	0.551 J
	7/26/2022	5.71	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	3.7	92.9	5.17	392.7	10 U	10 U	10 U	86.3 J	30 U	3.66 J	3.56 J	6.04	0.425	7.35	0.411 J
	11/7/2023	5.37	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.4	94.4	4.32	361	10 U	10 U	10 U	NA	30 U	NA	3.58 J	5.89	0.604	7.15	0.388 J
PD-MW-06	3/29/2013	510 J	8.8	79 J	1.0 U	1.0 U	1.0 U	5.18	513	5.04	-25.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/29/2013 (DUP)	82 J	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	5.18	513	5.04	-25.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/13/13	163	1.44 J	9.34	0.600 U	0.600 U	0.600 U	5.2	537	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/07/15	188	2.68	14.6	0.300 U	0.300 U	0.300 U	4.8	522	3.17	-67.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/30/2016	488	9.60 J	39.7	3.33 U	3.33 U	3.33 U	4.8	337	3.79	326	10 U	10 U	10 U	98.9 J	30 U	NA	NA	2.15	75.6	61.9	1.37
	8/22/2018	662	7.2 J	22.5	3.33 U	3.33 U	3.33 U	5.5	239	2.57	31.7	10 U	10 U	10 U	30 U	30 U	NA	NA	3.17	44.1	31.5	1.14
	8/22/2018 (DUP)	607	7.21	22.8	0.56 J	0.333 U	0.333 U	5.5	239	2.57	31.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2022	622	7.23	11.6	0.333 U	0.333 U	0.333 U	4.7	171	4.00	199	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/6/2023	183	1.38 J	0.72 J	0.666 U	0.666 U	0.666 U	4.8	126	3.61	293	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PD-MW-07	04/06/15	1,790	57.4	200	6.00 U	6.00 U	6.00 U	4.9	61	4.21	105	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/2016	2,400	224	1,550	16.7 U	16.7 U	16.7 U	4.8	43	4.32	430	117	10 U	10 U	46 J	30 U	NA	NA	2.07	0.504	6.04	0.675 J
	8/22/2018	3,870	66	151	16.7 U	16.7 U	16.7 U	5.4	51	3.13	3.19	10 U	10 U	10 U	30.0 U	30.0 U	NA	NA	2.62	0.731	6.09	0.48 J
	1/26/2022	3,630	715	3,270	16.7 U	16.7 U	16.7 U	4.4	88	1.44	334	97.5 B	10 U	10 U	30.0 U	96.9 J	NA	NA	1.60	1.25	14.8	0.746 J
	4/27/2022	2,300	237	763	16.7 U	16.7 U	16.7 U	4.9	82.3	5.91	241	14.0	10 U	10 U	30.0 U	30.0 U	NA	NA	3.20	0.745	8.55	0.418 J
	7/26/2022	1,420	216	717	6.66 U	6.66 U	6.66 U	4.0	72.1	1.74	347.7	23.5 J	10 U	10 U	30 U	30 U	3.73 J	3.98 J	1.67	0.984	11.9	0.538 J
	10/26/2022	3,030	27.1	80	0.333 U	0.333 U	66.6 U	4.7	70.9	0.32	156.0	14.4 HJ	10 HU	10 HU	194	30 U	NA	NA	1.05	1.17	12.4	0.463 J
	11/7/2023	2470	192	241	6.66 U	6.66 U	15.8 J	4.7	59.8	0.40	300	77.7	10 U	10 U	NA	30 U	NA	3.37 J	1.34	1.62		

Table 3
Summary of Groundwater Analytical Results
Former Rental Uniform Service
Florence, South Carolina

Well Number	Date Collected	CVOCs						Field Parameters				Natural Attenuation Parameters											
		Tetrachloroethene (ug/L)	Trichloro-ethene (ug/L)	cis-1,2-dichloro-ethene (ug/L)	trans-1,2-dichloro-ethene (ug/L)	1,1-dichloro-ethene (ug/L)	Vinyl Chloride (ug/L)	pH (SU)	Conductivity (umhos/cm)	DO (mg/L)	ORP (mV)	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)	Total Iron (ug/L)	Dissolved Iron (ug/L)	Total Manganese (ug/L)	Dissolved Manganese (ug/L)	Nitrate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	TOC (mg/L)	
		MCL = 5	MCL= 5	MCL= 70	MCL = 100	MCL = 7	MCL = 2																
PD-MW-09A	04/07/15	2.72	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	6.3	111	0.43	-169	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/30/2016	456	8.90	10.4	0.333 U	0.333 U	0.333 U	5.6	60	1.71	279	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	8/22/2018	7,890	178 J	260	66.6 U	66.6 U	66.6 U	5.0	58	0.08	109	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	7/27/2022	4,220	135	81.5	0.990 J	0.410 J	0.333 U	5.0	61.5	1.21	229	10 U	10 U	10 U	818	119	32.3	30.5	0.186	8.66	6.89	0.454 J	
	11/7/2023	3,510	113	86	16.7 U	16.7 U	16.7 U	5.0	64.1	0.01	131.7	10 U	10 U	10 U	NA	891	NA	34.2	0.0355 J	10.9	6.36	0.33 U	
PD-MW-10	04/06/15	7.54	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.8	37	5.17	32.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/1/2016	8.56	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.6	43	5.93	436	10 U	10 U	10 U	108	30 U	NA	NA	2.66	0.439	3.82	0.585 J	
	8/22/2018	6.65	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.2	39	4.82	41.3	10 U	10 U	10 U	95.3 J	30 U	NA	NA	1.96	0.249 J	4.53	0.406 J	
	7/25/2022	3.18	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	3.7	40.2	5.38	361.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/6/2023	3.72	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.6	40.7	4.97	292	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PD-MW-11	04/07/15	5.28	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.3	85	4.14	-26.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/30/2016	6.94	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.3	81	5.1	381	10 U	10 U	10 U	30 U	30 U	NA	NA	5.33	0.357 J	5.96	0.74 J	
	8/22/2018	3.22	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.0	68	4.1	41.2	10 U	10 U	10 U	30 U	30 U	NA	NA	4.83	0.342 J	5.33	0.595 J	
	7/25/2022	1.36	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.0	80.1	4.63	377.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/6/2023	2.44	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.3	100.1	4.97	339	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PD-MW-12	04/07/15	0.700 J	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	4.6	52	3.06	-87.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/29/2016	0.720 J	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.4*	52	3.98	412	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	8/23/2018	0.57 J	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.9	44	3.52	24.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7/25/2022	0.360 J	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.2	67.5	2.50	360.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/7/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	4.6	64.5	2.35	272	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PD-MW-13	12/1/2016	225	3.45 J	17.0	1.67 U	1.67 U	1.67 U	4.8	425	5.28	283	10 U	10 U	10 U	339	60.2 J	NA	NA	6.39	15.7	98	1.02	
	8/22/2018	1,090	12.8	67.9	1.67 U	1.67 U	1.67 U	4.7	272	2.99	150	10 U	10 U	10 U	32.1 J	30 U	NA	NA	5.16	39.6	29.2	0.93 J	
	7/27/2022	702	8.99	29.4	0.500 J	0.333 U	0.333 U	4.7	187	3.72	280	10 U	10 U	10 U	50.9 J	30 U	11.5	12.2	4.44	29.9	18.2	0.860 J	
	11/7/2023	181	6.66 U	6.66 U	6.66 U	6.66 U	6.66 U	4.7	152	4.87	316	10 U	10 U	10 U	NA	30 U	NA	10.8	4.95	19.8	13.7	0.594 J	
	12/2/2016	1.58	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.4	79	3.07	59	10 U	10 U	10 U	1,880	1,240	NA	NA	0.033 U	9.31	3.27	1.06	
PD-MW-13A	8/22/2018	38.3	3.47	6.83	0.333 U	0.333 U	0.333 U	11.3	830	0.1	-65.1	33.7	10 U	19.6 J	13,500	30 U	NA	NA	0.033 U	7.58	4.97	1.07	
	7/27/2022	114	12.5	17.6	0.333 U	0.333 U	0.333 U	9.0	146	1.09	29.2	10 U	10 U	10 U	14,800	547	420	39.8	0.116	12.7	4.73	0.770 J	
	11/7/2023	41.1	2.76 J	2.04 J	1.33 U	1.33 U	1.33 U	6.3	98.3	0.05	-49.1	16.7 J	10 U	10 U	10 U	NA	1080	NA	33.5	0.033 U	8.61	3.96	0.386 J
	12/2/2016	1.47	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	6.3	263	3.21	-58	10 U	10 U	10 U	4,290	4,860	NA	NA	0.215	21.6	9.98	7.84	
	8/22/2018	1.88	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	9.9	188	0.02	-76.7	15.4 J	10 U	10 U	3,580	269	NA	NA	0.033 U	5.67	3.1	0.77 J	
PD-MW-14	1/26/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	12.2	5,738	0.25	-149	14.4 BJ	10 U	10 U	1,080	30 U	NA	NA	0.0330 U	4.82	3.71	0.899 J	
	4/27/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	11.9	5,253	0.30	-240	10 U	10 U	10 U	285	30 U	NA	NA	0.0559 J	5.57	4.43	0.610 J	
	7/28/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	8.7	307	0.18	-107	10 U	10 U	10 U	781	30 U	13	2.0 U	0.0705 J	5.43	3.05	0.678 J	
	10/26/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	12.3	2,974	0.16	-99.4	10 HU	10 HU	10 HU	207	1540	NA	NA	0.033 U	5.3	3.28	0.777 J	
	11/6/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	11.9	2,790	0.14	-220	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PD-MW-15	8/22/2018	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.5	53	0.02	23	10 U	10 U	10 U	2,300	2,050	NA	NA	0.0330 U	5.76	3.13	0.33 U	
	7/25/2022	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.7	62	0.5	39.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/6/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.8	60.6	0.52	-58.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/6/2023 (DUP)	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.8	60.6	0.52	-58.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/21/2020	2,560	283	1,690	16.7 U	16.7 U	16.7 U	5.5	83	3.75	156	299 H	10.0 HU	10.0 HU	4,220	2,980	NA	NA	1.08	0.898	NA	1.1	
PD-MW-16	1/14/2021	2,590	1,040	13,600	16.7 U	16.7 U	16.7 U	5.9	459	0.21	-64.5	803	10 U	10 U	104,000	95,100	NA	NA	0.773	0.066 U	NA	15.6	
	3/31/2021	130 J	83.3 U	12,100	83.3 U	83.3 U	83.3 U	6.1	910	0.23	-104	5,650	200 U	200 U	220,000	222,000	NA	NA	0.132 U	0.707	NA	14.9	
	9/13/2021	473	113	15,800	83.3 U	83.3 U	9,470	6.4	886	0.24	-141	741	51.8	309	30 U	222,000	NA	NA	0.0894 J	0.747	NA	46.5	
	1/26/2022	1,510	295	4,210	83.3 U	83.3 U	7,560	6.5	849	0.49	-108	349 B	63.3	1,280	213,000	208,000	NA	NA	0.0330 U	0.133 U	60.2	50.6	
	4/27/2022	1,560	315	2,600	83.3 U	83.3 U	7,490	6.3	898	0.16	-110	1,950	65.7	3,500	213,000	214,000	NA	NA	0.452 J	0.227 J	64.9	68.2	
	7/28/2022	1,410	283	3,220	83.3 U	83.3 U	7,890	6.4	932	0.18	-136	2,220	47.7	4,070	223,000	217,000	132	127	0.341 J	0.354 J	73.2	73.5	
	10/26/2022	2,140	424																				

Table 3
Summary of Groundwater Analytical Results
Former Rental Uniform Service
Florence, South Carolina

Well Number	Date Collected	CVOCs						Field Parameters				Natural Attenuation Parameters										
		Tetrachloroethene (ug/L)	Trichloro-ethene (ug/L)	cis-1,2-dichloro-ethene (ug/L)	trans-1,2-dichloro-ethene (ug/L)	1,1-dichloro-ethene (ug/L)	Vinyl Chloride (ug/L)	pH (SU)	Conductivity (umhos/cm)	DO (mg/L)	ORP (mV)	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)	Total Iron (ug/L)	Dissolved Iron (ug/L)	Total Manganese (ug/L)	Dissolved Manganese (ug/L)	Nitrate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	TOC (mg/L)
		MCL = 5	MCL= 5	MCL= 70	MCL = 100	MCL = 7	MCL = 2															
HA-MW-04	8/20/2018	1,010	43.4	33.7	0.333 U	0.45 J	0.333 U	5.8	64	1.17	24.3	10 U	10 U	10 U	427	402	NA	NA	0.033 U	7.18	6.45	0.483 J
	7/26/2022	2,880	125	79.9	0.333 U	0.750 J	0.333 U	5.5	62.3	1.01	79.5	10 U	10 U	10 U	679	583	25.5	24.2	0.033 U	8.17	6.71	0.359 J
	11/7/2023	360	14.1	5.8	3.33 U	3.33 U	3.33 U	5.5	64.1	0.99	74.5	10 U	10 U	10 U	NA	86.8 J	NA	9.4 J	0.033 U	7.68	4.94	1
HA-MW-04A	8/23/2018	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.1	47	0.12	91	10 U	10 U	10 U	1,720	1,050	NA	NA	0.033 U	6.82	3.65	0.505 J
	7/26/2022	0.920 J	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.5	52.1	0.88	95.8	10 U	10 U	10 U	1,330	1,090	22.8	22.3	0.033 U	6.86	4.39	0.33 U
	11/7/2023	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	0.333 U	5.5	50.1	0.77	97.5	22.5 J	10 U	10 U	NA	1120	NA	23.3	0.033 U	6.6	4.26	0.382 J

Chlorinated volatile organic compounds (CVOCs) reported in micrograms per liter (ug/L)
U = not detected at indicated Method Detection Limit
J = Estimated concentration greater than the Method Detection Limit but less than the Reporting Limit
E = Concentration of the target analyte exceeds the instrument calibration range
H = Analytical holding time was exceeded.
NM** = Depth to water could not be measured accurately due to substrate (vegetable oil) in well
* = pH meter malfunction
DUP with date collected indicates field duplicate sample

Table 4
Molar Concentrations, Mole Fractions, and Chlorine Numbers in Groundwater Samples
Former Rental Uniform Service
Florence, South Carolina

Well Number	Date Collected	Groundwater Elevation	PCE (ug/L)	Moles/L	PCE Micro-moles/L	TCE (ug/L)	Moles/L	TCE Micro-moles/L	Cis-1,2-DCE (ug/L)	Moles/L	Cis-1,2-DCE Micro-moles/L	trans-1,2-dichloro-ethene (ug/L)	1,1-dichloro-ethene (ug/L)	VC (ug/L)	Moles/L	VC Micro-moles/L	Ethene (ug/L)	Moles/L	Ethene Micro-moles/L	TOTAL CVOCs Micro moles/L	Molar Fraction PCE (%)	Molar Fraction TCE (%)	Molar Fraction cis-1,2-DCE (%)	Molar Fraction VC (%)	Chlorine Number
RUS-MW-05	09/13/13	102.55	2,990	0.000018	18.03	40.7	3.09765E-07	0.31	308	3.E-06	3.18	3.93	0.56	0.3	4.79923E-09	0.00	0	0	0	21.52	83.8	1.4	14.76	0.02	3.69
	04/23/14	103.95	2,270	0.000014	13.69	22.5	1.71246E-07	0.17	190	2.E-06	1.96	15	15	15	2.39962E-07	0.24	0	0	0	16.06	85.2	1.1	12.20	1.49	3.70
	04/08/15	103.22	1,730	0.000010	10.43	19.8	1.50696E-07	0.15	143	1.E-06	1.47	7.5	7.5	7.5	1.19981E-07	0.12	0	0	0	12.18	85.7	1.2	12.11	0.99	3.72
	12/1/2016	103.11	764	0.000005	4.61	7.6	5.78431E-08	0.06	43.7	5.E-07	0.45	3.33	3.33	3.33	5.32715E-08	0.05	0	0	0	5.17	89.1	1.1	8.72	1.03	3.78
	8/20/2018	101.94	793	0.000005	4.78	10.3	7.83926E-08	0.08	58	6.E-07	0.60	3.33	3.33	3.33	5.32715E-08	0.05	0	0	0	5.51	86.8	1.4	10.85	0.97	3.74
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	1/27/2022	100.63	184	0.000001	1.11	2.56	1.9484E-08	0.02	11.8	1.E-07	0.12	1.33	1.33	1.33	2.12766E-08	0.02	0	0	0	1.27	87.2	1.5	9.57	1.67	3.74
	4/27/2022	101.01	397	0.000002	2.39	4.28	3.25748E-08	0.03	16.1	2.E-07	0.17	1.33	1.33	1.33	2.12766E-08	0.02	0	0	0	2.61	91.6	1.2	6.35	0.81	3.84
	7/28/2022	100.41	356	0.000002	2.15	4.52	3.44014E-08	0.03	20.4	2.E-07	0.21	1.33	1.33	1.33	2.12766E-08	0.02	0	0	0	2.41	89.0	1.4	8.72	0.88	3.78
	10/26/2022	99.71	424	0.000003	2.56	6	4.56656E-08	0.05	25.6	3.E-07	0.26	3.33	3.33	3.33	5.32715E-08	0.05	0	0	0	2.92	87.6	1.6	9.04	1.82	3.75
	11/9/2023	100.13	579	0.000003	3.49	11.2	8.52424E-08	0.09	25.6	3.E-07	0.26	3.33	3.33	3.33	5.32715E-08	0.05	0	0	0	3.89	89.7	2.2	6.78	1.37	3.80
	RUS-MW-06	9/8/2020	103.69	6,280	0.000038	37.87	428	3.25748E-06	3.26	349	4.E-06	3.60	33.3	1.15	20.2	3.23148E-07	0.32	0	0	0	45.05	84.1	7.2	7.99	0.72
EZVI-ZVI-Provect-IR Injections 9/14-16/2020																									
10/21/2020		103.98	8,430	0.0000508	50.84	284	2.1615E-06	2.16	332	3.E-06	3.42	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0	57.49	88.4	3.8	5.96	1.85	3.79
1/14/2021		105.72	1,220	0.0000074	7.36	2,320	1.76574E-05	17.66	2,990	3.E-05	30.84	66.6	66.6	66.6	1.06543E-06	1.07	30.5	1.08734E-06	1.09	56.92	12.9	31.0	54.18	1.87	2.55
4/1/2021		105.40	612	0.0000037	3.69	126	9.58977E-07	0.96	10,100	1.E-04	104.18	66.6	66.6	66.6	1.06543E-06	1.07	175	6.23886E-06	6.24	109.89	3.4	0.9	94.80	0.97	2.07
9/14/2021		101.93	792	0.0000048	4.78	192	1.4613E-06	1.46	2,070	2.E-05	21.35	66.6	66.6	16,600	0.000265558	265.56	305	1.08734E-05	10.87	293.15	1.6	0.5	7.28	90.59	1.13
1/26/2022		100.44	230	0.0000014	1.39	39	2.93021E-07	0.29	25	3.E-07	0.26	16.7	16.7	1,770	2.83155E-05	28.32	248	8.84135E-06	8.84	30.25	4.6	1.0	0.85	93.59	1.17
4/27/2022		100.96	348	0.0000021	2.10	53	4.00335E-07	0.40	106	1.E-06	1.09	1.67	1.67	407	6.51096E-06	6.51	83.7	2.98396E-06	2.98	10.10	20.8	4.0	10.82	64.44	1.81
7/26/2022		100.46	2,400	0.0000145	14.47	274	2.08539E-06	2.09	641	7.E-06	6.61	16.7 U	16.7 U	711	1.13742E-05	11.37	327	1.16578E-05	11.66	34.54	41.9	6.0	19.14	32.93	2.57
10/26/2022		99.78	7,830	0.0000472	47.22	517	3.93485E-06	3.93	1,350	1.E-05	13.92	16.7 U	16.7 U	1,060	1.69573E-05	16.96	398	1.41889E-05	14.19	82.03	57.6	4.8	16.97	20.67	2.99
11/8/2023		100.31	18,900	0.0001140	113.97	975	7.42066E-06	7.42	1,920	2.E-05	19.80	167 U	167 U	260	4.15933E-06	4.16	389	1.38681E-05	13.87	145.36	78.4	5.1	13.62	2.86	3.59
RUS-MW-10		04/23/14	103.70	4,910	0.0000296	29.61	82.8	6.30185E-07	0.63	413	4.E-06	4.26	5.90	1.68	1.88	3.00752E-08	0.03	0	0	0.00	34.53	85.8	1.8	12.34	0.09
	04/09/15	103.09	3,050	0.0000184	18.39	46	3.50103E-07	0.35	223	2.E-06	2.30	15	15	15	2.39962E-07	0.24	0	0	0.00	21.28	86.4	1.6	10.81	1.13	3.73
	12/1/2016	103.18	2,440	0.0000147	14.71	32	2.4355E-07	0.24	145	1.E-06	1.50	16.7	16.7	16.7	2.67157E-07	0.27	0	0	0.00	16.72	88.0	1.5	8.94	1.60	3.76
	8/20/2018	101.80	2,270	0.0000137	13.69	39.5	3.00632E-07	0.30	168	2.E-06	1.73	8.33	8.33	8.33	1.33259E-07	0.13	0	0	0.00	15.86	86.3	1.9	10.93	0.84	3.74
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	1/27/2022	100.46	1,880	0.0000113	11.34	42.0	3.19659E-07	0.32	138	1.E-06	1.42	8.33	8.33	8.33	1.33259E-07	0.13	0	0	0.00	13.21	85.8	2.4	10.77	1.01	3.73
	4/27/2022	100.90	2,780	0.0000168	16.76	52.5	3.99574E-07	0.40	137	1.E-06	1.41	8.33	8.33	8.33	1.33259E-07	0.13	0	0	0.00	18.71	89.6	2.1	7.55	0.71	3.81
	7/28/2022	100.32	1,510	0.0000091	9.11	37.5	2.8541E-07	0.29	113	1.E-06	1.17	16.7	16.7	16.7	2.67157E-07	0.27	0	0	0.00	10.82	84.1	2.6	10.77	2.47	3.68
	11/8/2023	100.13	2570	0.0000155	15.50	44	3.34881E-07	0.33	138	1.E-06	1.42	16.7 U	16.7 U	16.7	2.67157E-07	0.27	0	0	0.00	17.52	88.4	1.9	8.12	1.52	3.77
	9/9/2020	104.27	470	0.0000028	2.83	12.2	9.28533E-08	0.09	6	6.E-08	0.06	0.333	0.333	0.333	5.32715E-09	0.01	0	0	0.00	2.99	94.7	3.1	2.07	0.18	3.92
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	10/21/2020	104.47	27.5	0.0000002	0.17	4.49	3.41731E-08	0.03	5.37	6.E-08	0.06	0.333	0.333	0.333	0.54	8.63862E-09	0.01	0	0	0.00	0.26	62.8	12.9	20.98	3.27
1/15/2021	NM**	38.5	0.0000002	0.23	6.49	4.93949E-08	0.05	10.9	1.E-07	0.11	0.333	0.333	0.333	0.9	1.43977E-08	0.01	0	0	0.00	0.41	56.8	12.1	27.53	3.53	3.22
4/1/2021	NM**	64.6	0.0000004	0.39	13.8	1.05031E-07	0.11	30.2	3.E-07	0.31	0.333	0.333	0.333	2.50	3.99936E-08	0.04	0	0	0.00	0.85	46.0	12.4	36.82	4.73	3.00
9/14/2021	NM**	142	0.0000009	0.86	107	8.14369E-07	0.81	130	1.E-06	1.34	1.67 U	1.67 U	8.55	1.36778E-07	0.14	0	0	0.00	3.15	27.2	25.9	42.59	4.34	2.76	
1/27/2022	NM**	122	0.0000007	0.74	40.2	3.05959E-07	0.31	82.6	9.E-07	0.85	1.33 U	1.33 U	2.16	3.45545E-08	0.03	0	0	0.00	1.93	38.2	15.9	44.19	1.79	2.90	
4/28/2022	NM**	20.5	0.0000001	0.12	15.1	1.14925E-07	0.11	87.2	9.E-07	0.90	0.666	0.666	3.02	4.83123E-08	0.05	0	0	0.00	1.19	10.4	9.7	75.82	4.07	2.26	
7/27/2022	99.09	130	0.0000008	0.78	87.1	6.62912E-07	0.66	216	2.E-06	2.23	0.666 U	1.36 J	4.34	6.94289E-08	0.07	0	0	0.00	3.74	20.9	17.7	59.50			

Table 4
Molar Concentrations, Mole Fractions, and Chlorine Numbers in Groundwater Samples
Former Rental Uniform Service
Florence, South Carolina

Well Number	Date Collected	Groundwater Elevation	PCE (ug/L)	Moles/L	PCE Micro-moles/L	TCE (ug/L)	Moles/L	TCE Micro-moles/L	Cis-1,2-DCE (ug/L)	Moles/L	Cis-1,2-DCE Micro-moles/L	trans-1,2-dichloro-ethene (ug/L)	1,1-dichloro-ethene (ug/L)	VC (ug/L)	Moles/L	VC Micro-moles/L	Ethene (ug/L)	Moles/L	Ethene Micro-moles/L	TOTAL CVOcs Micro moles/L	Molar Fraction PCE (%)	Molar Fraction TCE (%)	Molar Fraction cis-1,2-DCE (%)	Molar Fraction VC (%)	Chlorine Number
RUS-MW-16	9/9/2020	103.99	6,690	0.0000403	40.34	111	8.44813E-07	0.84	551	6.E-06	5.68	33.3	1.73	31.9	5.10318E-07	0.51	15.100	5.38324E-07	0.54	47.38	85.1	1.8	11.99	1.08	3.71
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	10/22/2020	104.14	8,960	0.0000540	54.03	761	5.79192E-06	5.79	1,150	1.E-05	11.86	33.3	33.3	55	8.79859E-07	0.88	0	0	0.00	72.56	74.5	8.0	16.35	1.21	3.56
	1/15/2021	106.22	8,890	0.0000536	53.61	1,140	8.67646E-06	8.68	4,520	5.E-05	46.62	33.3	33.3	117	1.8717E-06	1.87	118	4.20677E-06	4.21	110.78	48.4	7.8	42.09	1.69	3.03
	3/31/2021	105.74	19,000	0.0001146	114.58	4,860	3.69891E-05	36.99	7,460	8.E-05	76.95	33.3	33.3	332	5.31115E-06	5.31	201	7.16578E-06	7.17	233.82	49.0	15.8	32.91	2.27	3.12
	9/14/2021	102.21	26,300	0.0001586	158.60	1,310	9.97032E-06	9.97	10,000	1.E-04	103.15	167 U	167 U	28,600	0.000457527	457.53	864	3.08021E-05	30.80	729.24	21.7	1.4	14.14	62.74	1.82
	1/27/2022	100.65	7,130	0.0000430	43.00	204	1.55263E-06	1.55	5,200	5.E-05	53.64	33.3 U	33.3 U	4,470	7.15086E-05	71.51	486	1.73262E-05	17.33	169.69	25.3	0.9	31.61	42.14	2.09
	4/28/2022	101.17	3,090	0.0000186	18.63	66	5.02321E-07	0.50	705	7.E-06	7.27	33.3	33.3	3,230	5.16717E-05	51.67	0	0	0.00	78.08	23.9	0.6	9.31	66.18	1.82
	7/26/2022	100.46	642	0.0000039	3.87	67.5	5.13738E-07	0.51	2,030	2.E-05	20.94	16.7 U	16.7 U	1,010	1.61574E-05	16.16	766	2.73084E-05	27.31	41.48	9.3	1.2	50.48	38.95	1.81
	10/27/2022	99.99	1,990	0.0000120	12.00	55.0	4.18601E-07	0.42	237	2.E-06	2.44	33.3 U	33.3 U	953	1.52456E-05	15.25	1,550	5.52585E-05	55.26	30.11	39.9	1.4	8.12	50.63	2.30
	11/8/2023	100.57	4,420	0.0000267	26.65	707	5.38093E-06	5.38	2,280	2.E-05	23.52	16.7 U	16.7 U	685	1.09582E-05	10.96	1,330	4.74153E-05	47.42	66.51	40.1	8.1	35.36	16.48	2.72
RUS-MW-24	9/8/2020	104.16	46,800	0.0002822	282.22	5,480	4.17079E-05	41.71	4,690	5.E-05	48.38	255	17	1,720	2.75156E-05	27.52	285	1.01604E-05	10.16	399.82	70.6	10.4	12.10	6.88	3.45
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	10/21/2020	104.05	1,840	0.0000111	11.10	20,600	0.000156785	156.79	13,800	1.E-04	142.34	213	83.3	348	5.56711E-06	5.57	104	3.70766E-06	3.71	315.79	3.5	49.6	45.07	1.76	2.55
	1/14/2021	106.20	993	0.0000060	5.99	2,560	1.9484E-05	19.48	50,300	5.E-04	518.82	245	95	770	1.2318E-05	12.32	279	9.94652E-06	9.95	556.61	1.1	3.5	93.21	2.21	2.03
	4/1/2021	105.41	2,120	0.0000128	12.78	3,090	2.35178E-05	23.52	21,700	2.E-04	223.83	333	333	860	1.37578E-05	13.76	208	7.41533E-06	7.42	273.89	4.7	8.6	81.72	5.02	2.13
	9/14/2021	NM**	28,700	0.0001731	173.07	23,200	0.000176574	176.57	82,000	8.E-04	845.80	333 U	333 U	49,100	0.000785474	785.47	347	1.23708E-05	12.37	1980.91	8.7	8.9	42.70	39.65	1.87
	1/26/2022	100.85	5,330	0.0000321	32.14	1,630	1.24058E-05	12.41	11,800	1.E-04	121.71	95	83.3 U	6,000	9.59846E-05	95.98	827	2.94831E-05	29.48	262.24	12.3	4.7	46.41	36.60	1.93
	4/28/2022	101.32	2,750	0.0000166	16.58	405	3.08243E-06	3.08	2,790	3.E-05	28.78	26.5	16.7	1,860	2.97552E-05	29.76	610	2.17469E-05	21.75	78.20	21.2	3.9	36.80	38.05	2.08
	7/28/2022	100.85	1,790	0.0000108	10.79	308	2.34417E-06	2.34	3,010	3.E-05	31.05	29.5	16.7 U	1,790	2.86354E-05	28.64	512	1.82531E-05	18.25	72.82	14.8	3.2	42.63	39.32	1.94
	10/27/2022	100.17	2460	0.0000148	14.83	425	3.23464E-06	3.23	1,910	2.E-05	19.70	22.5	16.7 U	1,720	2.75156E-05	27.52	439	1.56506E-05	15.65	65.29	22.7	5.0	30.18	42.15	2.08
	11/8/2023	100.74	980	0.0000059	5.91	782	5.95175E-06	5.95	1,630	2.E-05	16.81	20	16.7	1,590	2.54359E-05	25.44	641	2.2852E-05	22.85	54.11	10.9	11.0	31.07	47.01	1.86
RUS-MW-25	9/8/2020	103.36	33,400	0.0002014	201.41	1,010	7.68704E-06	7.69	2,410	2.E-05	24.86	167	7.03	535	8.55863E-06	8.56	160	5.7041E-06	5.70	242.51	83.1	3.2	10.25	3.53	3.66
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	10/22/2020	103.89	51,000	0.0003075	307.54	850	6.46929E-06	6.47	5,360	6.E-05	55.29	333	333	800	1.2798E-05	12.80	0	0	0.00	382.10	80.5	1.7	14.47	3.35	3.59
	1/14/2021	105.00	46,600	0.0002810	281.01	1,400	1.06553E-05	10.66	3,810	4.E-05	39.30	333	333	333	5.32715E-06	5.33	250	8.91266E-06	8.91	336.29	83.6	3.2	11.69	1.58	3.69
	4/1/2021	105.11	46,100	0.0002780	278.00	2,510	1.91034E-05	19.10	3,720	4.E-05	38.37	333	333	350	5.5991E-06	5.60	576	2.05348E-05	20.53	341.07	81.5	5.6	11.25	1.64	3.67
	9/14/2021	101.38	38,300	0.0002310	230.96	9,350	7.11622E-05	71.16	36,100	4.E-04	372.36	333 U	333 U	333	5.32715E-06	5.33	73.5	2.62032E-06	2.62	679.81	34.0	10.5	54.77	0.78	2.78
	1/26/2022	100.05	6,580	0.0000397	39.68	1,630	1.24058E-05	12.41	19,600	2.E-04	202.17	167 U	167 U	175	2.79955E-06	2.80	98.1	3.49733E-06	3.50	257.05	15.4	4.8	78.65	1.09	2.35
	4/27/2022	100.61	1,970	0.0000119	11.88	1,320	1.00464E-05	10.05	12,600	1.E-04	129.96	167	167	585	9.3585E-06	9.36	193	6.88057E-06	6.88	161.25	7.4	6.2	80.60	5.80	2.15
	7/26/2022	100.07	635	0.0000038	3.83	810	6.16485E-06	6.16	22,100	2.E-04	227.95	167 U	167 U	1460	2.33563E-05	23.36	387	1.37968E-05	13.80	261.30	1.5	2.4	87.24	8.94	1.96
	10/26/2022	99.38	2,730	0.0000165	16.46	2,200	1.6744E-05	16.74	6,080	6.E-05	62.71	167 U	167 U	2,400	3.89393E-05	38.39	282	1.00535E-05	10.05	134.31	12.3	12.5	46.69	28.59	2.08
	11/8/2023	99.91	2,960	0.0000178	17.85	885	6.73567E-06	6.74	18,800	2.E-04	193.91	167 U	167 U	1,880	3.00752E-05	30.08	491	1.75045E-05	17.50	248.57	7.2	2.7	78.01	12.10	2.05
RUS-MW-26	9/8/2020	103.57	442	0.0000027	2.67	66	5.02321E-07	0.50	1,370	1.E-05	14.13	6.66	2.75	0.61	9.75844E-09	0.01	0	0	0.00	17.31	15.4	2.9	81.64	0.06	2.34
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	10/22/2020	103.98	862	0.0000052	5.20	113	8.60035E-07	0.86	1,850	2.E-05	19.08	8.33	8.33	8.33	1.33259E-07	0.13	0	0	0.00	25.27	20.6	3.4	75.50	0.53	2.44
	1/14/2021	105.59	578	0.0000035	3.49	107	8.14369E-07	0.81	1,810	2.E-05	18.67	8.33	8.33	8.33	1.33259E-07	0.13	0	0	0.00	23.10	15.1	3.5	80.81	0.58	2.33
	3/31/2021	105.22	161																						

Table 4
Molar Concentrations, Mole Fractions, and Chlorine Numbers in Groundwater Samples
Former Rental Uniform Service
Florence, South Carolina

Well Number	Date Collected	Groundwater Elevation	PCE (ug/L)	Moles/L	PCE Micro-moles/L	TCE (ug/L)	Moles/L	TCE Micro-moles/L	Cis-1,2-DCE (ug/L)	Moles/L	Cis-1,2-DCE Micro-moles/L	trans-1,2-dichloro-ethene (ug/L)	1,1-dichloro-ethene (ug/L)	VC (ug/L)	Moles/L	VC Micro-moles/L	Ethene (ug/L)	Moles/L	Ethene Micro-moles/L	TOTAL CVOCs Micro-moles/L	Molar Fraction PCE (%)	Molar Fraction TCE (%)	Molar Fraction cis-1,2-DCE (%)	Molar Fraction VC (%)	Chlorine Number
PD-MW-07	04/06/15	101.46	1,790	0.0000108	10.79	57.4	4.36867E-07	0.44	200	2.E-06	2.06	6.00 U	6.00 U	6	9.59846E-08	0.10	0	0	0.00	13.39	80.6	3.3	15.41	0.72	3.64
	12/1/2016	101.57	2,400	0.0000145	14.47	224	1.70485E-06	1.70	1,550	2.E-05	15.99	16.7 U	16.7 U	16.7	2.67157E-07	0.27	0	0	0.00	32.43	44.6	5.3	49.30	0.82	2.94
	8/22/2018	100.26	3,870	0.0000233	23.34	66	5.02321E-07	0.50	151	2.E-06	1.56	16.7 U	16.7 U	16.7	2.67157E-07	0.27	0	0	0.00	25.66	90.9	2.0	6.07	1.04	3.83
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	1/26/2022	99.07	3,630	0.0000219	21.89	715	5.44181E-06	5.44	3,270	3.E-05	33.73	16.7 U	16.7 U	16.7	2.67157E-07	0.27	0	0	0.00	61.33	35.7	8.9	55.00	0.44	2.80
	4/27/2022	99.46	2,300	0.0000139	13.87	237	1.80379E-06	1.80	763	8.E-06	7.87	16.7	16.7	16.7	2.67157E-07	0.27	0	0	0.00	23.81	58.2	7.6	33.05	1.12	3.23
	7/26/2022	99.02	1,420	0.0000086	8.56	216	1.64396E-06	1.64	717	7.E-06	7.40	6.66 U	6.66 U	6.66	1.06543E-07	0.11	0	0	0.00	17.71	48.4	9.3	41.76	0.60	3.05
	10/26/2022	98.38	3,030	0.0000183	18.27	27.1	2.06256E-07	0.21	80	8.E-07	0.83	0.333 U	0.333 U	66.6	1.06543E-06	1.07	0	0	0.00	20.37	89.7	1.0	4.05	5.23	3.75
	11/7/2023	98.88	2,470	0.0000149	14.89	192	1.4613E-06	1.46	241	2.E-06	2.49	6.66 U	6.66 U	15.8	2.5276E-07	0.25	0	0	0.00	19.09	78.0	7.7	13.02	1.32	3.62
	12/2/2016	95.54	1.47	0.0000000	0.01	0.333	2.53444E-09	0.00	0.333	3.E-09	0.00	0.333 U	0.333 U	0.333	5.32715E-09	0.01	0	0	0.00	0.02	44.0	12.6	17.04	26.42	2.74
8/22/2018	90.46	1.88	0.0000000	0.01	0.333	2.53444E-09	0.00	0.333	3.E-09	0.00	0.333 U	0.333 U	0.333	5.32715E-09	0.01	0	0	0.00	0.02	50.1	11.2	15.18	23.54	2.88	
PD-MW-14	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	1/26/2022	94.05	0.333	0.0000000	0.00	0.333	2.53444E-09	0.00	0.333	3.E-09	0.00	0.333 U	0.333 U	0.333	5.32715E-09	0.01	0	0	0.00	0.01	15.1	19.0	25.82	40.04	2.09
	4/27/2022	95.02	0.333	0.0000000	0.00	0.333	2.53444E-09	0.00	0.333	3.E-09	0.00	0.333 U	0.333 U	0.333	5.32715E-09	0.01	0	0	0.00	0.01	15.1	19.0	25.82	40.04	2.09
	7/28/2022	92.70	0.333	0.0000000	0.00	0.333	2.53444E-09	0.00	0.333	3.E-09	0.00	0.333	0.333	0.333	5.32715E-09	0.01	0	0	0.00	0.01	15.1	19.0	25.82	40.04	2.09
	10/26/2022	93.31	0.333	0.0000000	0.00	0.333	2.53444E-09	0.00	0.333	3.E-09	0.00	0.333	0.333	0.333	5.32715E-09	0.01	0	0	0.00	0.01	15.1	19.0	25.82	40.04	2.09
	11/6/2023	93.67	0.333	0.0000000	0.00	0.333	2.53444E-09	0.00	0.333	3.E-09	0.00	0.333	0.333 U	0.333	5.32715E-09	0.01	NA	0	0.00	0.01	15.1	19.0	25.82	40.04	2.09
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	10/21/2020	103.50	2,560	0.0000154	15.44	283	2.15389E-06	2.15	1,690	2.E-05	17.43	16.7	16.7	16.7	2.67157E-07	0.27	0	0	0.00	35.29	43.7	6.1	49.40	0.76	2.93
	1/14/2021	105.27	2,590	0.0000156	15.62	1,040	7.91537E-06	7.92	13,600	1.E-04	140.28	16.7	28.0	16.7	2.67157E-07	0.27	0	0	0.00	164.08	9.5	4.8	85.49	0.16	2.24
	3/31/2021	104.90	130	0.0000008	0.78	83	6.3399E-07	0.63	12,100	1.E-04	124.81	83	83	83	1.33259E-06	1.33	0	0	0.00	127.56	0.6	0.5	97.84	1.04	2.01
9/13/2021	101.50	473	0.0000029	2.85	113	8.60035E-07	0.86	15,800	2.E-04	162.97	83.3 U	83.3 U	9,470	0.000151496	151.50	309	1.1016E-05	11.02	318.18	0.9	0.3	51.22	47.61	1.54	
1/26/2022	100.01	1,510	0.0000091	9.11	295	2.24522E-06	2.25	4,210	4.E-05	43.42	83.3 U	83.3 U	7,560	0.000120941	120.94	1280	4.56328E-05	45.63	175.72	5.2	1.3	24.71	68.83	1.43	
4/27/2022	100.49	1,560	0.0000094	9.41	315	2.39744E-06	2.40	2,600	3.E-05	26.82	83	83	7,490	0.000119821	119.82	3,500	0.000124777	124.78	158.44	5.9	1.5	16.93	75.62	1.38	
7/28/2022	99.96	1,410	0.0000085	8.50	283	2.15389E-06	2.15	3,220	3.E-05	33.21	83.3 U	83.3 U	7,890	0.00012622	126.22	4,070	0.000145098	145.10	170.09	5.0	1.3	19.53	74.21	1.37	
10/26/2022	99.37	2,140	0.0000129	12.90	423	3.21942E-06	3.22	11,400	1.E-04	117.59	83.3 U	83.3 U	7,600	0.000121581	121.58	5,900	0.000210339	210.34	255.29	5.1	1.3	46.06	47.62	1.64	
11/7/2023	99.88	2,340	0.0000141	14.11	460	3.50103E-06	3.50	15,200	2.E-04	156.78	83.3 U	83.3 U	4,310	6.8949E-05	68.95	2630	9.37611E-05	93.76	243.34	5.8	1.4	64.43	28.33	1.85	
PD-MW-16A	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	10/21/2020	103.00	8,900	0.0000537	53.67	174	1.3243E-06	1.32	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	56.75	94.6	2.3	1.21	1.88	3.90
	1/14/2021	104.77	4,250	0.0000256	25.63	74	5.63209E-07	0.56	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	27.94	91.7	2.0	2.46	3.81	3.82
	3/31/2021	104.34	6,510	0.0000393	39.26	122	9.28533E-07	0.93	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	41.94	93.6	2.2	1.64	2.54	3.87
	9/13/2021	101.50	9,040	0.0000545	54.51	96	7.30649E-07	0.73	66.6	7.E-07	0.69	66.6	66.6 U	66.6	1.06543E-06	1.07	0	0	0.00	57.00	95.6	1.3	1.21	1.87	3.91
	1/26/2022	99.63	8,640	0.0000521	52.10	146	1.1112E-06	1.11	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	54.97	94.8	2.0	1.25	1.94	3.90
	4/27/2022	99.91	8,180	0.0000493	49.33	168	1.27864E-06	1.28	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	52.36	94.2	2.4	1.31	2.03	3.89
	7/28/2022	99.55	7,830	0.0000472	47.22	146	1.1112E-06	1.11	66.6	7.E-07	0.69	66.6 U	66.6 U	66.6	1.06543E-06	1.07	0	0	0.00	50.08	94.3	2.2	1.37	2.13	3.89
	10/26/2022	98.84	10,800	0.0000651	65.13	194	1.47652E-06	1.48	66.6	7.E-07	0.69	66.6 U	66.6 U	66.6	1.06543E-06	1.07	0	0	0.00	68.36	95.3	2.2	1.00	1.56	3.91
	11/7/2023	99.47	8,810	0.0000531	53.13	122	9.28533E-07	0.93	66.6	7.E-07	0.69	66.6 U	66.6 U	66.6	1.06543E-06	1.07	0	0	0.00	55.81	95.2	1.7	1.23	1.91	3.90
	EZVI-ZVI-Provect-IR Injections 9/14-16/2020																								
	10/21/2020	103.00	8,900	0.0000537	53.67	174	1.3243E-06	1.32	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	56.75	94.6	2.3	1.21	1.88	3.90
	1/14/2021	104.77	4,250	0.0000256	25.63	74	5.63209E-07	0.56	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	27.94	91.7	2.0	2.46	3.81	3.82
	3/31/2021	104.34	6,510	0.0000393	39.26	122	9.28533E-07	0.93	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	41.94	93.6	2.2	1.64	2.54	3.87
	9/13/2021	101.50	9,040	0.0000545	54.51	96	7.30649E-07	0.73	66.6	7.E-07	0.69	66.6	66.6 U	66.6	1.06543E-06	1.07	0	0	0.00	57.00	95.6	1.3	1.21	1.87	3.91
	1/26/2022	99.63	8,640	0.0000521	52.10	146	1.1112E-06	1.11	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	54.97	94.8	2.0	1.25	1.94	3.90
4/27/2022	99.91	8,180	0.0000493	49.33	168	1.27864E-06	1.28	66.6	7.E-07	0.69	66.6	66.6	66.6	1.06543E-06	1.07	0	0	0.00	52.36	94.2	2.4	1.31	2.03	3.89	
7/28/2022	99.55	7,830	0.0000472	47.22	146	1.1112E-06	1.11	66.6	7.E-07	0.69	66.6 U	66.6 U	66.6	1.06543E-06	1.07	0	0	0.00	50.08	94.3	2.2	1.37	2.13	3.89	
10/26/2022	98.84	10,800	0.0000651	65.13	194	1.47652E-06	1.48	66.6	7.E-07	0.69	66.6 U	66.6 U	66.6	1.06543E-06	1.07	0	0	0.00	68.36	95.3	2.2	1.00	1.56	3.91	
11/7/2023	99.47	8,810	0.0000531	53.13	122	9.28533E-07	0.93	66.6	7.E-07	0.69	66.6 U	66.6 U	66.6	1.06543E-06	1.07	0	0	0.00	55.81						

Table 5
Summary of Microbial Analyses in Groundwater
Former Rental Uniform Site
Florence, South Carolina

Parameter	RUS-MW-24		RUS-MW-06		RUS-MW-26	
	cells/mL	Percentile	cells/mL	Percentile	cells/mL	Percentile
<i>Reductive Dechlorination</i>						
DHC	131,000	92%	9,480	80%	33	40%
TCE	127,000	97%	3,670	83%	10	35%
BVC	< 0.5	ND	<0.5	ND	< 0.5	ND
VCR	< 0.5	ND	<0.5	ND	< 0.5	ND
DHBt	215,000	93%	20,200	68%	<4.9	ND
DHG	48	7%	1.9 J	1%	47	7%
DSB	193,000	93%	56,900	82%	49	9%
DECO	9,730	76%	2,820	52%	< 4.9	ND
PCE-1	9,910	87%	< 4.9	ND	< 4.9	ND
PCE-2	< 5	ND	1,840	74%	< 4.9	ND
<i>Aerobic (Co)Metabolism</i>						
PHE	4,440	71%	1,190	54%	< 4.9	ND
RDEG	7,170	77%	1,330	53%	< 4.9	ND
RMO	< 5	ND	1,680	52%	< 4.9	ND
EtnC	37,700	97%	2,950	80%	< 4.9	ND
EtnE	47,800	97%	4,660	83%	< 4.9	ND
<i>Other</i>						
EBAC	4,020,000	69%	5,770,000	74%	18,600	14%
APS	204,000	73%	114,000	63%	< 4.9	ND
MGN	2,950	72%	13,000	83%	9	31%

Abbreviations

Reductive Dechlorination

Dehalococcoides (DHC)

tceA Reductase (TCE)

BAV1 Vinyl Chloride Reductase (BVC)

Vinyl Chloride Reductase (VCR)

Dehalobacter spp. (DHBt)

Dehalogenimonas spp. (DHG)

Desulfitobacterium spp. (DSB)

Dehalobium chlorocoercia (DECO)

PCE Reductase (PCE-1)

PCE Reductase (PCE-2)

Aerobic (Co)Metabolism

Phenol Hydroxylase (PHE)

Toluene Monooxygenase 2 (RDEG)

Toluene Monooxygenase (RMO)

Ethene Monooxygenase (EtnC)

Epoxylalkane Transferase (EtnE)

Other

Total Eubacteria (EBAC)

Sulfate Reducing Bacteria (APS)

Methanogens (MGN)

Percentile = Percentile rank of detected concentration compared to Microbial Insights online database of field concentrations of key microorganisms and functional genes.

APPENDIX I
Groundwater Field Data Information Sheets, Laboratory Certificates of Analysis,
and Chain of Custody Documents
(On CD)



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

Church Hill Apartments

1117 June Lane
Florence, South Carolina 29506

Report Date

August 19, 2024

Site Inspection Date

August 12, 2024

Partner Project No.

24-458664.1

Prepared for:

The Paces Foundation, Inc.
2730 Cumberland SE
Smryna, Georgia 30080



Building
Science



Environmental
Consulting



Construction &
Development



Energy &
Sustainability



August 19, 2024

Mr. Steven Bauhan
The Paces Foundation, Inc.
2730 Cumberland SE
Smryna, Georgia 30080

Subject: Phase I Environmental Site Assessment
Church Hill Apartments
1117 June Lane
Florence, South Carolina 29506
Partner Project No. 24-458664.1

Dear Mr. Bauhan:

Partner Engineering and Science, Inc. (Partner) is pleased to provide this Phase I Environmental Site Assessment (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and Client Agreement.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate your trust in Partner and the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (818) 337-1203.

Sincerely,

Misty Ponce
Principal

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Practice E1527-21, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by The Paces Foundation, Inc. for the property located at 1117 June Lane in Florence, Florence County, South Carolina (the "subject property"). The Phase I Environmental Site Assessment is designed to provide The Paces Foundation, Inc. with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the to the northeast of the intersection of S. Church Street and June Lane and to the south of the intersection of State Road S-21-612 and June Lane. within a residential, commercial, and industrial area of Florence County. Please refer to the table below for a further description of the subject property:

SUBJECT PROPERTY DATA

Address:	1117 June Lane, Florence, South Carolina
Additional Current Addresses:	Multiple residential addresses identified (900 through 1200 block of June Lane and 400 block of Prout Drive). No other commercial or retail addresses identified.
Historical Addresses:	None Identified
Property Use:	Multi-family residential as well as commercial office space.
Land Acreage (Ac):	29.81
Number of Buildings:	45
Number of Floors:	Leasing Office/Housing Authority: One; All Residential Structures: Two
Gross Building Area (SF):	300,000
Net Rentable Area (SF):	290,000
Date of Construction:	Circa 1975
Parcel Number:	0014901006 (Parcel A); 0014901007 (Parcel B)
Type of Construction:	Concrete slab-on-grade
Current Tenants:	Church Hill Apartments consisting of 166 residential units and the Housing Authority of Florence for multi-family use
Site Assessment Performed By:	Devin Arnett of Partner
Site Assessment Conducted On:	August 12, 2024
Regulatory Radius Report Date:	July 31, 2024
Lien Search Date:	N/A

Report Date:	August 19, 2024
FOIAs Date:	August 2024
Groundwater Flow Direction (Inferred):	South-southwest
Estimated Depth to Groundwater (Feet bgs):	48

The subject property is currently occupied by Church Hill Apartments and the Housing Authority of Florence. Church Hill Apartments consisting of 166 residential units and the Housing Authority of Florence for multi-family use. Onsite operations consist of residential and property maintenance activities. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas, associated landscaping, drainage features, playground, and perimeter fencing.

According to available historical sources, the subject property was formerly undeveloped as early as 1941; developed with the current improvements between 1964 and circa 1975. Tenants on the subject property have included Florence Police & Neighborhood, Housing Authority of Florence, Project Office, Resident Opportunity Center (1993-1995); Florence Police Neighborhood, Housing Authority Project OFC, Resident Opportunity CTR (2000); Housing Authority Project OFC, Resident Opportunity CTR (2003-2016); and Housing Authority of Florence (2020-present)

The adjoining properties are tabulated below:

ADJOINING PROPERTIES

Direction	Land Use/Occupant
North:	Vacant Commercial/Industrial (1100 South Church Street); Vacant Commercial (1092 South Church Street);
East:	Vacant wooded land
South:	Jefferies Creek; vacant wooded/wetlands
West:	Vacant Commercial (1092 South Church Street); Vacant Commercial/Industrial (906 South Church Street); Commercial (904 South Church Street); Vacant wooded land

Findings and Opinions

Recognized Environmental Condition

A recognized environmental condition (REC) refers to the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- The regulatory database identified onsite contamination of Volatile Organic Compounds onsite on October 15, 2020 and entry into the Voluntary Cleanup Program. Based on the regulatory database, no restrictions have been applied as not enough information has been obtained. Based on the current regulatory status, up-gradient to cross-gradient location, and unknown impacted media, this listing is identified as a REC.

- The regulatory database identified onsite contamination of Volatile Organic Compounds onsite on June 30, 2016 and entry into the Voluntary Cleanup Program. Based on the regulatory database, no restrictions have been applied as not enough information has been obtained. Based on the current regulatory status, up-gradient to cross-gradient location, and unknown impacted media, this listing is identified as a REC. Partner notes that a copy of the VCP contract was available through the SCDHEC State Remediation list of Clean Up Projects in Progress. No additional information was available, however, a FOIA request requesting additional environmental records for this property has been submitted but a response has not been received as of the date of this report.

Controlled Recognized Environmental Condition

A controlled recognized environmental condition (CREC) refers to a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify CRECs during the course of this assessment.

Historical Recognized Environmental Condition

A historical recognized environmental condition (HREC) refers to a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify HRECs during the course of this assessment.

Business Environmental Risk

A Business Environmental Risk (BER) is a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. The following was identified during the course of this assessment:

- Due to the age of the subject property building/buildings, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Readily visible suspect ACMs and painted surfaces were observed in good condition. A few areas of the building materials including ceiling tiles, however, were noted during the assessment to be broken, chipped, and/or have signs of water damage. Should these materials be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.
- During the assessment, multiple areas of active and inactive moisture damage as well as visible suspect organic growth were identified throughout the inspected units.

Significant Data Gaps

No significant data gaps affecting the ability of the Environmental Professional to identify a REC were encountered during this assessment.

Conclusions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of 1117 June Lane in Florence, Florence County, South Carolina

(the “subject property”). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of CRECs, or HRECs in connection with the subject property; however, RECs and BERs were identified. Based on the conclusions of this assessment, Partner recommends the following:

- Review of SCDHEC records regarding current status of the voluntary cleanup agreements with RUSF, LLC and Land-O-Sun Dairies, LLC should be conducted to determine whether the subject property has been environmentally impacted.
- A limited subsurface investigation should be conducted in order to determine the presence or absence of soil, soil vapor, and/or groundwater contamination due to the historical use of the adjoining properties to the north and west of the subject property.
- An Operations and Maintenance (O&M) Program should be implemented in order to safely manage the suspect ACMs and LBP located at the subject property.
- An Operations and Maintenance (O&M) Program should be implemented in order to safely manage the areas of active and inactive moisture damage as well as suspect organic growth located at the subject property.

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APPENDICES

- Appendix A:** Site Photographs
Appendix B: Historical/Regulatory Documentation
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Appendix D: Qualifications

ACRONYM LIST

Ac	Acre
AAI	All Appropriate Inquiries
AMSD	Approximate Minimum Search Distance
AOC	Area of Concern
ACM	Asbestos Containing Material
APN	Assessor Parcel Number
AST	Aboveground Storage Tank
AUL	Activity and Use Limitation
AIRS	Aerometric Information Retrieval System
AFS	Air Facility System
ALT FUELS	Alternate Fueling Stations
ASTM	American Society for Testing and Materials
BGS	Below Ground Surface
BER	Business Environmental Risk
BRS	EPA Biennial Reporting System
COC	Chemical of Concern
CREC	Controlled Recognized Environmental Condition
CDL	Clandestine Drug Lab
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESQG	Conditionally Exempt Small Quantity Generator
CORRACTS	RCRA Corrective Action Sites
ERIS	Environmental Risk Information Services
ERNS	Emergency Response Notification System
ECHO	Enforcement and Compliance History Online
FRP	Fiberglass Reinforced Plastic
FIM	Fire Insurance Map
FOIA	Freedom of Information Action
FINDS	Facility Index Database System
FRS	Facility Registry Service
FRP	Facility Response Plan
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FUDS	Formally Used Defense Site
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	Inspection Case Listing
FUSRAP	Formerly Utilized Sites Remedial Action Program
FEMA	Federal Emergency Management Agency
HUD	U.S. Department of Housing and Urban Development
HSWA	Hazardous and Solid Waste Amendments
HVAC	Heating, Ventilation and Air Conditioning
HREC	Historical Recognized Environmental Condition
IODI	Open Dumps on Indian Lands
IHW	Industrial Hazardous Waste
IC/EC or INST/ENG	Institutional Control/Engineering Control
ICIS	Integrated Compliance Information System
LUCIS	Land Use Control Information System U.S. Department of the Navy
LQG	Large Quantity Generator
LPST	Leaking Petroleum Storage Tank
LST	Leaking Storage Tank

LUST	Leaking Underground Storage Tank
LBP	Lead-Based Paint
MSL	Mean Sea Level
MMMP	Mold, Moisture, and Mitigation Plan
MGP	Manufactured Gas Plant
MINES	Mines Master Index File
MLTS	Material Licensing Tracking System
HMIRS	Hazardous Materials Information Reporting System
MRDS	Mineral Resource Data System
NPL	National Priorities List
NCDL	National Clandestine Drug Labs
NPDES	National Pollutant Discharge Elimination System
NFRAP	No Further Remedial Action Planned
NonGen	Non Generator
NonGen/NLR	Non Generator/No Longer Regulated
ND	None Detected
NESHAP	National Emission Standards for Hazardous Air Pollutants
NWI	National Wetlands Inventory
NFA	No Further Action
N/A	Not Applicable
NOV	Notice of Violation
NTC	Notice To Comply
NRC	Nuclear Regulatory Commission
ODI	Inventory of Open Dumps
OWS	Oil-Water Separator
OSHA	Occupational Safety and Health Administration
O&M	Operations and Maintenance
PTO	Permit to Operate
Phase I ESA	Phase I Environmental Site Assessment
pCi/L	picoCuries per Liter
PHMSA	Pipeline and Hazardous Materials Safety Administration
PCB	Polychlorinated Biphenyl
PACM	Presumed Asbestos Containing Material
PFAS	Perfluoroalkyl and Polyfluoroalkyl Substances
PFOA	perfluorooctanoic acid
PFOS	Perfluorooctane sulfonic acid
REFN	Petroleum Refineries
PRP	Potentially Responsible Party
PST	Petroleum Storage Tank
ROD	Record of Decision
RGA	Recovered Government Archive
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation Recovery Information System
REC	Recognized Environmental Condition
SF	Square Foot/Feet
SSA	Superfund Alternative Agreement
SSTS	Section Seven Tracking System
SQG	Small Quantity Generator
SMCRA	Office of Surface Mining Reclamation and Enforcement
SWF/LF	Solid Waste Facility/Landfill
SWRCY	Solid Waste Recycling Facility

SCRD	State Coalition for the Remediation of Drycleaners
SHWS	State Hazardous Waste Sites
SEMS	Superfund Enterprise Management Site
TANKS	Aboveground and Unregulated Tanks
TRIS	Toxic Chemicals Release Inventory System
TSCA	Toxic Substances Control Act
TSDF	Transfer, Storage and Disposal Facility
USDOE	United States Department of Energy
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
UIC	Underground Injection Control
VEC	Vapor Encroachment Condition
VSQG	Very Small Quantity Generator
VCP	Voluntary Cleanup Program

1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527-21 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 1117 June Lane in Florence, Florence County, South Carolina (the “subject property”). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-21) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property’s overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the “landowner liability protections,” or “LLPs”). ASTM Standard E1527-21 constitutes “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with and to the extent necessary to achieve the goal of the requirements set forth in the ASTM Standard E1527-21. This assessment included: 1) a property and adjoining site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments to obtain readily ascertainable information to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched readily available information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-21, AULs include both legal (that is, institutional) and physical (that is, engineering) controls that may include legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, or surface water on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater, and/or surface water on a property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the compliance and safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

The Paces Foundation, Inc. (herein referred to as Client) engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Client. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this

report was completed. A copy of Partner's standard Terms and Conditions can be found at <http://www.partneresi.com/terms-and-conditions.php>.

1.5 Limiting Conditions

The findings and conclusions contain all the limitations inherent in these methodologies that are referred to in ASTM Practice E1527-21.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources, this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of the AAI User Questionnaire from the Report User. This information was not provided at the time of the assessment. This data gap is not expected to alter the findings of this assessment.
- Partner was not able to document the historical use of the subject property prior to 1941, since city directories were not available prior to 1993, aerial photographs prior to 1941, topographic maps prior past 1940 were not reasonably ascertainable from local agencies and other historical sources such as fire insurance maps did not provide coverage of the subject property. This data failure is not considered critical and does not change the conclusions of this report, as the 1941 aerial photograph revealed the subject property to be farmland. In addition, the adjoining and surrounding areas are also shown mostly as farmland with a small residential development to the northeast of the subject property. This data gap is not expected to alter the findings of this assessment.
- Partner was unable to determine the property use at five-year intervals, which constitutes a data gap. Information concerning historical use of the subject property was unavailable from 1941-1949, 1949-1957, 1957-1964, 1964-1975, 1975-1983, 1983-1994, and 1994-2003. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews. This data gap is not expected to alter the findings of this assessment.
- Partner observed approximately 10% of all interior units and all common areas. Based on the size and nature of use of the unobserved units (Identify tenants), this limited method of observation is not expected to alter the overall findings of this assessment.
- Partner submitted Freedom of Information Act (FOIA) requests to Florence County Environmental Health and Florence Building Department for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property and/or adjoining properties. As of this writing, these agencies have not responded to Partner's request. Based on information obtained from other historical resources, this limitation is not expected to alter the overall findings of this assessment.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 1117 June Lane in Florence, South Carolina is located on the to the northeast of the intersection of S. Church Street and June Lane and to the south of the intersection of State Road S-21-612 and June Lane.. According to the Florence County Assessor's Office, the subject property is legally described as Off Church Street (00149-01-006) and Church Hill (00149-01-007). According to City of Florence GIS System and online tax files, ownership is currently vested in Housing Authority of Florence was unavailable.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by Church Hill Apartments and the Housing Authority of Florence. Church Hill Apartments consisting of 166 residential units and the Housing Authority of Florence for multi-family use. Onsite operations consist of residential and property maintenance activities. The subject property consists of 43 two-story residential buildings with two single-story office/community buildings. located throughout the subject property. In addition to the current structures, the subject property is also improved with asphalt-paved parking areas, associated landscaping, drainage features, playground, and perimeter fencing.

The subject property is designated for multi-family residential development by the City of Florence Planning Department and identified as Neighborhood Conservations-6.3 (NC-6.3).

The subject property was not identified in the regulatory database report of Section 4.2.

2.3 Current Use of Adjoining Properties

The subject property is located within a residential, commercial, and industrial area of Florence County. During the vicinity reconnaissance, Partner observed the land uses on adjoining properties as defined in ASTM Practice E1527-21 as any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them. The adjoining properties are tabulated below:

ADJOINING PROPERTIES

Direction	Land Use/Occupant
North:	Vacant Commercial/Industrial (1100 South Church Street); Vacant Commercial (1092 South Church Street);
East:	Vacant wooded land
South:	Jefferies Creek; vacant wooded/wetlands
West:	Vacant Commercial (1092 South Church Street); Vacant Commercial/Industrial (906 South Church Street); Commercial (904 South Church Street); Vacant wooded land

The adjoining properties are identified as Underground Storage Tank (UST), Leaking UST (LUST), Delisted LUST, Voluntary Cleanup Program (VCP), State Brownfields, Site Assessment Section Project List (SASPL), Remediation, Resource Conservation and Recovery Act (RCRA)-Small Quantity Generator

(SQG), RCRA-Very Small Quantity Generator (VSQG), RCRA Non-Generator/No Longer Regulated (NLR), Air Facility System (AFS), and Toxic Release Inventory System (TRIS) sites in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

TOPOGRAPHIC DATA SUMMARY

Quadrangle Year:	2020
Quadrangle Name:	United States Geological Survey (USGS) Florence West, SC Quadrangle 7.5-minute series topographic map was reviewed for this ESA.
Source:	USGS 7.5 Minute Topographic Map
Elevation (Feet):	107
Slope Direction:	south
Slope Degree:	Moderate

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

While under natural and undisturbed conditions shallow groundwater flow most frequently follows the topography of the land surface, natural or man-made features can affect flow direction, and the presumed flow may not match the actual flow directions at the subject property and vicinity.

HYDROLOGY DATA SUMMARY

Groundwater Flow Direction:	South-southwest
Groundwater Flow Source:	A previous subsurface investigation conducted on a nearby property and topographic map interpretation
Estimated Depth to Groundwater (Feet bgs):	48
Estimated Depth Source:	USDA Natural Resources Conservation Service Web Soil Survey
Closest Body of Surface Water Name:	Jeffries Creek
Closest Body of Surface Water Distance (Miles):	0.01 miles
Closest Body of Surface Water Direction:	south
Water System Operator:	City of Florence
Contact at Water System Operator:	According to a representative of the agency, Sherry

HYDROLOGY DATA SUMMARY

	(Customer Service Representative) 843-665-3155, shallow groundwater beneath the subject property is not utilized for domestic purposes.
Shallow Groundwater Use:	
Source of Drinking Water:	The sources of public water for the City/Town/Village/unincorporated area of CITY NAME are groundwater from Crouch Branch Aquifer doc_2p_55ab8

2.4.3 Geology/Soils

GEOLOGY AND SOIL DATA SUMMARY

Physiographic Province:	The subject property is situated within the Bear Bluff Formation. The subject property consists of fluvial sand deposits.
Geologic Unit Description:	The Bear Bluff Formation underlying soils at the subject property is of the Pliocene Age and is one of the older coastal terrace sequences in the Carolinas. The primary rock type is composed of fluvial sand deposits with secondary rock type consisting of limestone.
Geologic Data Source:	United States Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Survey
Soil Series Name:	Norfolk loamy sand (NoB).
Soil Series Description:	The Norfolk series consists of very shallow sandy clay loam fluvial deposits, well drained and highly permeable soils that formed on coastal terraces during the Pliocene age. Slopes range from 2 to 4 percent.
Additional Information:	No additional information identified.

2.4.4 Flood Zone Information

FLOOD ZONE DATA SUMMARY

Source:	Federal Emergency Management Agency
Community Panel No.	According to Community Panel Number 45041C0142E,
FIRM Date:	December 16, 0201
Zone Designation:	Zone AE; defined as areas subject to inundation by the 1-percent-annual-chance flood event determined

FLOOD ZONE DATA SUMMARY

by detailed methods and Zone X (unshaded); defined as minimal risk areas outside the 1-percent and 0.2-percent-annual-chance floodplains. The primary coverage of the two parcels is situated in the Zone X, with the potential identified wetlands identified in the Zone AE portion of the FEMA map.

A copy of the reviewed flood map is included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

HISTORICAL USE INFORMATION

Years	Resource	Description/Use
1940-1940	Topographic Maps	Unimproved Land
1941-1986	Topographic Maps, Aerial Photographs	Multi-Family Residential
1993-2023	Topographic Maps, , Aerial Photographs, City Directories	Multi-Family Residential

Tenants on the subject property have included Florence Police & Neighborhood, Housing Authority of Florence, Project Office, Resident Opportunity Center (1993-1995); Florence Police Neighborhood, Housing Authority Project OFC, Resident Opportunity CTR (2000); Housing Authority Project OFC, Resident Opportunity CTR (2003-2016); and Housing Authority of Florence (2020-present)

No potential environmental concerns were identified in association with the current or former use of the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Risk Information Services (ERIS) on August 1, 2024. The inferred uses of the subject property and adjoining properties as interpreted from the aerial photographs in Appendix B are tabulated below:

Date:	1941	Scale:	1"=500'
Subject Property:	Appears to be undeveloped (grassland, woodland, dirt)		
North:	Appears to be undeveloped (grassland, woodland, dirt)		
Northeast:	Appears to be undeveloped (grassland, woodland, dirt)		
East:	Appears to be undeveloped (grassland, woodland, dirt)		
Southeast:	Appears to be undeveloped (grassland, woodland, dirt)		
South:	Appears to be undeveloped (grassland, woodland, dirt)		
Southwest:	Appears to be undeveloped (grassland, woodland, dirt)		
West:	Appears to be undeveloped land beyond South Church Street		
Northwest:	Appears to be undeveloped land beyond South Church Street		
Date:	1949, 1957	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	No significant changes visible		

Northeast:	No significant changes visible
East:	No significant changes visible
Southeast:	No significant changes visible
South:	No significant changes visible
Southwest:	No significant changes visible
West:	No significant changes visible
Northwest:	No significant changes visible

Date:	1964	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	Appears to be undeveloped land with commercial or residential structures		
Northeast:	No significant changes visible		
East:	No significant changes visible		
Southeast:	No significant changes visible		
South:	No significant changes visible		
Southwest:	No significant changes visible		
West:	No significant changes visible		
Northwest:	No significant changes visible		

Date:	1975	Scale:	1"=500'
Subject Property:	Appears to be developed with multiple multi-family residential structures		
North:	No significant changes visible		
Northeast:	Appears to be developed with multiple multi-family residential structures across June Lane		
East:	Appears to be developed with multiple multi-family residential structures across June Lane		
Southeast:	Appears to be developed with multiple multi-family residential structures across June Lane		
South:	Appears to be developed with multiple multi-family residential structures across June Lane		
Southwest:	No significant changes visible		
West:	No significant changes visible		
Northwest:	No significant changes visible		

Date:	1983, 1994, 2003, 2006, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	No significant changes visible		
Northeast:	No significant changes visible		
East:	No significant changes visible		
Southeast:	No significant changes visible		
South:	No significant changes visible		
Southwest:	No significant changes visible		
West:	No significant changes visible		
Northwest:	No significant changes visible		

Copies of reviewed aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Fire insurance maps (FIMS) from ERIS on July 31, 2024. FIM coverage was not available for the subject property.

A copy of the no coverage letter is included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from ERIS on August 5, 2024 for past names and businesses that were listed for the subject property and adjoining properties. The findings are tabulated below:

Year(s)	Occupant Listed
CITY DIRECTORY SEARCH FOR 904 JUNE LN (SUBJECT PROPERTY)	
<i>City Directory Search for (Subject Property)</i>	
1993	Cannon Shaen
1994 95	Cannon Sean, Daniels Phyllis Y
2000	Sean Cannon, Everlena Wright, Phyllis Y Daniels
2003	Sean Cannon, Everlena Wright, Phyllis Y Daniels
2008	Mack Bruce, Everlena Wright
CITY DIRECTORY SEARCH FOR 906 JUNE LN (SUBJECT PROPERTY)	

City Directory Search for (Subject Property)

1993	Gilchrist James
2008	L Leak, Yolanda Leak, April Pipkins

CITY DIRECTORY SEARCH FOR 908 JUNE LN (SUBJECT PROPERTY)***City Directory Search for (Subject Property)***

2008	Melissa a Brown
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CITY DIRECTORY SEARCH FOR 910 JUNE LN (SUBJECT PROPERTY)***City Directory Search for (Subject Property)***

1994 95	Keith Betty, Thomas Juanita, Thomas Teresa
2000	Betty Keith
2003	Betty Keith
2008	Angela R Taylor, Sharhonda Taylor

CITY DIRECTORY SEARCH FOR 912 JUNE LN (SUBJECT PROPERTY)***City Directory Search for (Subject Property)***

2000	Beverly Wilson
2003	Beverly Wilson
2008	Tonya Burgess
2016	Anthony Hickson
2020	Anthony Hickson
2022	Anthony Hickson

CITY DIRECTORY SEARCH FOR 914 JUNE LN (SUBJECT PROPERTY)***City Directory Search for (Subject Property)***

1993	Ham Avery R
1994 95	Cooper Shekelia A
2008	Aaliyah Myers, Fannie a Scott

CITY DIRECTORY SEARCH FOR 916 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
1993	Henry Tonya
2008	R Scott
2016	Eartha Carter, Malarie Cooper
2020	Malarie Cooper
2022	Malarie Cooper

CITY DIRECTORY SEARCH FOR 918 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
2008	Cheryl Jackson

CITY DIRECTORY SEARCH FOR 920 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
1994 95	Davis S
2008	Libby Pearce, Randolph Sanders
2016	Julia Rose, Fernando Mann, Virginia Hilton
2020	Julia Rose, Fernando Mann, Virginia Hilton
2022	Julia Rose, Fernando Mann, Virginia Hilton

CITY DIRECTORY SEARCH FOR 922 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
1994 95	James Alomie

CITY DIRECTORY SEARCH FOR 924 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
1993	Hines Vernie G
2008	Tamekia Williams
2020	Alvin James
2022	Alvin James

CITY DIRECTORY SEARCH FOR 926 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	King G A
2008	Allen Cooper, Tamara L Johnson

CITY DIRECTORY SEARCH FOR 928 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Tyhesha M Thomas, Rezenia Mcallister
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CITY DIRECTORY SEARCH FOR 930 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Donna Burgess, Shirley Stuckey
2016	Angel Barr, Latoya Sims, Johnny Robinson
2020	Angel Barr, Latoya Sims, Johnny Robinson
2022	Angel Barr, Latoya Sims, Johnny Robinson

CITY DIRECTORY SEARCH FOR 1000 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1993	Gregg Mariet
2008	Rebecca M Jackson

CITY DIRECTORY SEARCH FOR 1002 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Burgess Willa
2000	Willa Burgess
2003	Willa Burgess
2008	Karen Davis
2016	Leola Erwin
2020	Leola Erwin

2022	Leola Erwin
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CITY DIRECTORY SEARCH FOR 1004 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Marlene Olds, Martha Gibson
2016	Dana White
2020	Dana White
2022	Dana White

CITY DIRECTORY SEARCH FOR 1006 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Pack Danita
2000	Danita Pack, Tamesha Kennedy
2003	Danita Pack, Tamesha Kennedy
2008	D Peoples, Gwen Barr, Kervin James
2020	Sarah James

CITY DIRECTORY SEARCH FOR 1008 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Brunson Kejo, Harrison Maxine, Carraway Samuel
2000	Theresa Sparks, Maxine Harrison, Samuel Carraway
2003	Theresa Sparks, Maxine Harrison, Samuel Carraway
2008	Leslie Cannon, Willie Parnell, Kimberly a Coward

CITY DIRECTORY SEARCH FOR 1010 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Wanda Braxton, Theresa Sparks
2016	Regina Murray
2020	Regina Murray
2022	Regina Murray

CITY DIRECTORY SEARCH FOR 1012 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Tamela Gordon
2016	Sharon Evans, Elisha Covington
2020	Sharon Evans, Elisha Covington
2022	Sharon Evans, Elisha Covington

CITY DIRECTORY SEARCH FOR 1014 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Monroe Debbie E
2008	Homer Moore, Gloria a Mcelneen
2016	Linda Backus
2020	Jessica Backus
2022	Linda Backus

CITY DIRECTORY SEARCH FOR 1016 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1993	Myers Jame, Myers Steven
1994 95	Myers Steven
2008	Cabarius James, Marlene D Robinson
2020	Kimberly Smith
2022	Kimberly Smith

CITY DIRECTORY SEARCH FOR 1018 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Cooks Wendy, Spears Jada
2000	R Lane
2003	R Lane
2008	Larry Hawkins

CITY DIRECTORY SEARCH FOR 1020 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Kimberly Mack, Kathryn Nelson
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CITY DIRECTORY SEARCH FOR 1022 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Fanta N Williams
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2016	Teresa Ellison
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2020	Teresa Ellison
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2022	Teresa Ellison
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CITY DIRECTORY SEARCH FOR 1024 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Anne Peterson
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2020	Alice Morant
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2022	Alice Morant
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CITY DIRECTORY SEARCH FOR 1026 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Brayboy Shirley A
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2000	Shirley a Brayboy
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2003	Shirley a Brayboy
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2008	Maria Graham, Shirley a Brayboy
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CITY DIRECTORY SEARCH FOR 1028 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2000	Barbara Williamson, Charles & Barbara Davis
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2003	Barbara Williamson, Charles & Barbara Davis
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2008	Lotus Watts, Barbara Davis
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CITY DIRECTORY SEARCH FOR 1030 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Kevin Wingate, Tiffany Jones, Julie a Cantey
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CITY DIRECTORY SEARCH FOR 1032 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Deborah a Cantey
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CITY DIRECTORY SEARCH FOR 1100 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2000	Harriett James
2003	Harriett James
2008	Lakeisha Brown

CITY DIRECTORY SEARCH FOR 1102 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1993	Cameron Gertie(a) R
1994 95	Williams Hattie M, Campbell Gurley Lee
2016	Natasha Brown
2020	Natasha Brown
2022	Natasha Brown

CITY DIRECTORY SEARCH FOR 1104 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1993	Shields Ovida R
1994 95	Shields Owida
2008	Angela James, Cynthia Miles

CITY DIRECTORY SEARCH FOR 1106 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Nancy Mcleod, Teresa Burgess
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CITY DIRECTORY SEARCH FOR 1108 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1993	Multi Tenant Residential
1994 95	Williamson Dan, Mccullough Eugene, Goodman Dione D
2000	Dan Williamson, Eugene Mccullough
2003	Dan Williamson, Eugene Mccullough
2008	Emma Warr

CITY DIRECTORY SEARCH FOR 1110 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

2000	Sharon Brockington
2003	Sharon Brockington
2008	Barbra Johnson, Barbara Johnson
2012	Rosetta Fortune
2016	Rebecca Bartell
2020	Keijah Bartell
2022	Rebecca Bartell

CITY DIRECTORY SEARCH FOR 1112 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1993	Davis Tyrone R
2008	Shaimek Sauls, Minnie Mcallister

CITY DIRECTORY SEARCH FOR 1114 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1993	White Hanna, White Larry
2000	Brandi Bruce
2003	Brandi Bruce

2008	Vondell Shuler
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CITY DIRECTORY SEARCH FOR 1116 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	C Johnson
2016	Patricia Campbell
2020	Patricia Campbell
2022	Patricia Campbell

CITY DIRECTORY SEARCH FOR 1117 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1993	Project Office, Resident Opportunity Center, Housing Authority of Florence, Florence Police & Neighborhood
1994 95	Florence Police, Housing Authority of Florence (Project Office), Neighborhood Resource Center, Resident Opportunity Center
2000	Resident Opportunity Ctr, Florence Police Neighborhood, Housing Authority Project Ofc
2003	Resident Opportunity Ctr, Housing Authority Project Ofc
2008	Resident Opportunity Ctr, Housing Authority Project Ofc
2012	Resident Opportunity Ctr, Florence Police Neighborhood, Housing Authority Project Ofc
2016	Florence Police Neighborhood, Housing Authority of Florence
2020	Housing Authority of Florence
2022	Housing Authority of Florence

CITY DIRECTORY SEARCH FOR 1118 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Wanda Gore
2020	Denesha Perry

CITY DIRECTORY SEARCH FOR 1120 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1993	Williams Rulea, Redoen Anastatic
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2000	Brenda Jackson
2003	Brenda Jackson
2008	Debra Hickson, Priscilla Ford

CITY DIRECTORY SEARCH FOR 1122 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
2008	Gina D Graham

CITY DIRECTORY SEARCH FOR 1124 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
2000	P Wells
2003	P Wells
2008	Bemadette S Robinson
2020	Sagrick Roberts
2022	Sagrick Roberts

CITY DIRECTORY SEARCH FOR 1126 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
1994 95	Rhodes Veronica
2000	Ernest Abraham
2003	Ernest Abraham
2008	Corristine Brown, Geraldine Benjamin

CITY DIRECTORY SEARCH FOR 1128 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
2000	Nicole Murrell, Shelby Murrell
2003	Nicole Murrell, Shelby Murrell
2008	Lynn Ross, Shushelia Davis
2016	Kenyetta Smith, Shushelia Davis
2020	Kenyetta Smith, Shushelia Davis
2022	Kenyetta Smith, Shushelia Davis

CITY DIRECTORY SEARCH FOR 1129 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Hicks Gloria M, Cooper Christina & Teresah
2000	Gloria M Hicks, Christina & Teresah Cooper
2003	Gloria M Hicks, Christina & Teresah Cooper
2008	Gloria M Hicks, Sharon D Simmons
2016	Shannon Williams
2020	Shannon Williams
2022	Shannon Williams

CITY DIRECTORY SEARCH FOR 1130 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2000	Dionne D Goodman
2003	Dionne D Goodman
2008	K Pipkins, Tony Dickerson

CITY DIRECTORY SEARCH FOR 1132 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1993	Davis Emma, Davis Vonni, Davis Shawanda
1994 95	Davis Emma
2000	Emma Davis
2003	Emma Davis
2008	Keith B Corbin

CITY DIRECTORY SEARCH FOR 1133 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Samantha Y Muldrow
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CITY DIRECTORY SEARCH FOR 1134 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Barbara Scott, Theola Williams
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CITY DIRECTORY SEARCH FOR 1200 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1993	Darby Laura
2008	John W Wilder, Tori Williams

CITY DIRECTORY SEARCH FOR 1201 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

2008	Gloria a Britt, Rebecca G Bartell
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CITY DIRECTORY SEARCH FOR 1202 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1994	Brooks Ann
95	
2008	Ann Gibson
2016	Ann Gibson, Shirley Gibson
2020	Ann Gibson

CITY DIRECTORY SEARCH FOR 1203 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1993	Johnson Claudia
2020	Karen Davis
2022	Karen Davis

CITY DIRECTORY SEARCH FOR 1204 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1993	Mitchell Patricia R, Mitchell Treniyayne R
1994	Ross Eddie Lee, Mitchell Patricia
95	
2000	Eddie Lee Ross
2003	Eddie Lee Ross

2008	Willie M Wright
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CITY DIRECTORY SEARCH FOR 1205 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
2000	Tonya Keith, Latasha Fleming
2003	Tonya Keith, Latasha Fleming
2016	Wendy Nixon
2020	Wendy Nixon
2022	Wendy Nixon

CITY DIRECTORY SEARCH FOR 1206 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
2008	Lakesha Thomas, Walter Douglas
2016	Keith Taylor
2020	Keith Taylor
2022	Keith Taylor

CITY DIRECTORY SEARCH FOR 1207 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
1994 95	Mack Dequil
2000	Dequil Mack
2003	Dequil Mack
2008	Ola Gregg, Lakeisha C Blue

CITY DIRECTORY SEARCH FOR 1208 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
1994 95	Law Debra A
2000	Renea Jackson
2003	Renea Jackson

CITY DIRECTORY SEARCH FOR 1220 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Erwin Leola
2000	Leola Erwin
2003	Leola Erwin
2008	Leola Erwin, Marvin Self, Tomeka Austin, Michelle Lewis

CITY DIRECTORY SEARCH FOR 1222 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Tion King, Kelvin Greene
2016	Carthinia Pernell
2020	Carthinia Pernell
2022	Carthinia Pernell

CITY DIRECTORY SEARCH FOR 1224 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1994 95	Wright Ruby, Cannon Joseph
2000	Ruby Wright, Mesheco Waiters
2003	Ruby Wright, Mesheco Waiters

CITY DIRECTORY SEARCH FOR 1226 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

1993	White Brenda R
1994 95	While Brenda
2000	Brenda White
2003	Brenda White
2008	Tasha Dione, Denise Rainey, Rhonda Pickens, Derrick Jr Wright

CITY DIRECTORY SEARCH FOR 1228 JUNE LN (SUBJECT PROPERTY)

City Directory Search for (Subject Property)

2008	Maxine Harrison, Jeanette Sellers
2016	Kimbery Coward
2020	Kimbery Coward, Maxine Harrison
2022	Kimbery Coward, Maxine Harrison

CITY DIRECTORY SEARCH FOR 1230 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1994 95	Abramson C, Mcwhite Lachell
2000	C Abramson, Lachell Mcwhite
2003	C Abramson, Lachell Mcwhite
2008	Denise Watson, Vangii K Williams, Caprice T Abramson
2016	Willis Mcfadden
2020	Willis Mcfadden
2022	Willis Mcfadden

CITY DIRECTORY SEARCH FOR 1232 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1994 95	Mack a V
2000	A v Mack
2003	A v Mack
2008	Gloria a Gibson, Lasheryl Cooper

CITY DIRECTORY SEARCH FOR 1234 JUNE LN (SUBJECT PROPERTY)**City Directory Search for (Subject Property)**

1993	Rainge M R
1994 95	Peoples Elaine
2000	Timothy Johnson
2003	Timothy Johnson
2008	Yolanda Moreno

2016	Tiesha Green, Bryan Maxwell, Ophadele Green
2020	Bryan Maxwell, Ophadele Green
2022	Tiesha Green, Bryan Maxwell, Ophadele Green

CITY DIRECTORY SEARCH FOR 1236 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
1993	Hilton John R
1994 95	Hilton John Sr, James Harriett
2000	Sarah James, John Sr Hilton
2003	Sarah James, John Sr Hilton
2008	John Sr Hilton

CITY DIRECTORY SEARCH FOR 1238 JUNE LN (SUBJECT PROPERTY)

<i>City Directory Search for (Subject Property)</i>	
2016	Angela Lowery, Cheryl Godwin, Farrell Godwin
2020	Angela Lowery
2022	Angela Lowery

Based on the city directory review, no environmentally sensitive listings were identified for the subject property address(es).

Year(s)	Occupant Listed
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CITY DIRECTORY SEARCH FOR 904 S CHURCH ST (ADJOINING PROPERTY)

<i>City Directory Search for (Adjoining Properties)</i>	
1993	Meco Incorporated of Florence
1994 95	Meco Inc of Florence
2000	Meco Inc of Florence
2003	Meco Inc of Florence
2008	Meco Inc of Florence
2020	Meco Inc of Florence

2022	Meco Inc of Florence
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CITY DIRECTORY SEARCH FOR 906 S CHURCH ST (ADJOINING PROPERTY)

<i>City Directory Search for (Adjoining Properties)</i>	
1993	Rental Uniform Service
2000	Rental Uniform Svc
2003	Rental Uniform Svc
2008	Rental Uniform Svc

CITY DIRECTORY SEARCH FOR 1100 S CHURCH ST (ADJOINING PROPERTY)

<i>City Directory Search for (Adjoining Properties)</i>	
1993	Flav O Rich Inc
1994 95	Flav O Rich Inc
2000	Flav O Rich Inc, Rollins Truck Rental Leasing
2003	Flav O Rich Inc, Rollins Truck Rental/leasing
2008	Pet Dairy, Penske Truck Leasing
2016	Dean Foods Co
2020	Dean Foods Co

According to the city directory review, the adjoining properties have been occupied by single family residential structures (north/east), vacant wooded/wetlands (west/south), and commercial/industrial facilities (north/west). The commercial/industrial listings are currently vacant, however, were previously occupied by Rental Uniform Service and Land-O-Sun Dairies. Please refer to Section 4.2.3 for further discussion of environmentally sensitive listings associated with the adjacent properties to the north and west of the subject property..

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from ERIS on July 31, 2024. The following inferred uses of the subject property and adjoining properties interpreted from topographic maps in Appendix B and are tabulated below:

Date:	1940
Subject Property:	Depicted as undeveloped (grassland, woodland, dirt)
North:	Depicted as undeveloped (grassland, woodland, dirt)

Northeast:	Depicted as undeveloped land
East:	Depicted as undeveloped land
Southeast:	Depicted as undeveloped land
South:	Depicted as undeveloped land
Southwest:	Depicted as undeveloped land
West:	Depicted as undeveloped land beyond South Church Street and railroad tracks
Northwest:	Depicted as undeveloped land beyond South Church Street and railroad tracks

Date: 1945	
Subject Property:	No significant changes depicted
North:	No significant changes depicted
Northeast:	No significant changes depicted
East:	No significant changes depicted
Southeast:	No significant changes depicted
South:	No significant changes depicted
Southwest:	No significant changes depicted
West:	No significant changes depicted
Northwest:	No significant changes depicted

Date: 1986	
Subject Property:	Depicted as developed with multiple residential structures
North:	Depicted as developed with a large commercial structure
Northeast:	Depicted as developed with multiple multi-family residential structures across June Lane
East:	Depicted as developed with multiple multi-family residential structures across June Lane
Southeast:	Depicted as developed with multiple multi-family residential structures across June Lane
South:	Depicted as developed with multiple multi-family residential structures across June Lane
Southwest:	No significant changes depicted

West:	No significant changes depicted
Northwest:	No significant changes depicted
Date: 2014, 2017, 2020	
Subject Property:	Shaded to depict urban development
North:	Shaded to depict urban development
Northeast:	Shaded to depict urban development
East:	Shaded to depict urban development
Southeast:	Shaded to depict urban development
South:	Shaded to depict urban development
Southwest:	Shaded to depict urban development
West:	No significant changes depicted
Northwest:	No significant changes depicted

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

State Department

REGULATORY AGENCY DATA

Name of Agency:	South Carolina Department of Health and Environmental Control (SCDHEC)
Point of Contact:	Jennifer Barrier
Agency Address:	2600 Bull Street, Columbia, SC 29201
Agency Phone Number:	(803) 898-3882
Date of Contact:	July 31, 2024 and August 7, 2024
Method of Communication:	Online Request Form

Summary of Communication:

According to Jennifer Barrier with the SC Department of Environmental Control, no records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the SCDHEC. As of this date, no response from the SCDHEC has been received for inclusion regarding the adjoining properties to the north and west of the subject property.

Health Department

REGULATORY AGENCY DATA

Name of Agency:	Florence County Environmental Health Department
Point of Contact:	FOIA
Agency Address:	518 South Irby Street, Florence, SC 29501
Agency Phone Number:	843-676-8600
Date of Contact:	August 7, 2024
Method of Communication:	Online Request Form

Summary of Communication:

As of the date of this report, Partner has not received a response from the FCEHD for inclusion in this report.

Fire Department

REGULATORY AGENCY DATA

Name of Agency:	City of Florence Fire Department
Point of Contact:	Chris Johnson (Fire Marshal)
Agency Address:	South Carolina 29501
Agency Phone Number:	843-665-3231

Date of Contact:	August 7, 2024
Method of Communication:	Email (cjohnson@cityofflorence.com)

Summary of Communication:

No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the CFPD.

Building Department

REGULATORY AGENCY DATA

Name of Agency:	Building Department
Point of Contact:	Patrice
Agency Address:	324 West Evans Street, Florence, SC 29501
Agency Phone Number:	843-665-3170
Date of Contact:	
Method of Communication:	Online Request Form

Summary of Communication:

As of the date of this report, Partner has not received a response from the CFBD for inclusion in this report.

Planning Department

REGULATORY AGENCY DATA

Name of Agency:	Planning Research and Development
Point of Contact:	Alane
Agency Address:	324 W Evans St, Florence, SC 29501
Agency Phone Number:	843-665-2047 X 10
Date of Contact:	August 7, 2024
Method of Communication:	Email (azlotnicki@cityofflorence.com)

Summary of Communication:

According to reviewed online documents, the subject property is zoned Neighborhood Conservation-6.3 (NC-6.3) for residential development by the City of Florence.

Assessor's Office

REGULATORY AGENCY DATA

Name of Agency:	Florence County Tax Assessors
Point of Contact:	Online
Agency Address:	Florence, South Carolina 29501
Agency Phone Number:	n/a

Date of Contact:

Method of Communication: Online Research

Summary of Communication:

According to records reviewed, the subject property is identified by Assessor Parcel Numbers (APNs) 00149-01-006 and 00149-01-007 and is currently owned by Housing Authority of Florence and sits on 29.81 acres. No records regarding square footage, building and utility information for the subject property was on file with the FCTA.

Copies of pertinent documents are included in Appendix B of this report.

4.2 Mapped Database Records Search

The regulatory database report provided by ERIS documents the listing of sites identified on federal, state, county, city, and tribal (when applicable) standard source environmental databases within the approximate minimum search distance (AMSD) specified by ASTM Practice E1527-21. The data from these sources are updated as these data are released and integrated into one database. The information contained in this report was compiled from publicly available sources.

The environmental database information is used to identify environmental concerns in connection with the subject property. The listings also serve to identify the known indications of the storage, use, generation, disposal, or release of hazardous substance at the subject property and the potential for contaminants to migrate onto the subject property from off-site sources in groundwater or soil in the form of liquids or vapor.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

The following table lists the sites as categorized by the regulatory database within the prescribed AMSD. The locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

DATABASE REPORT DATA

Database	AMSD Radius (mile)	Listings Identified		
		Subject Property	Adjoining Properties	Surrounding Area Sites of Concern
Federal NPL	1.00	N	N	N
Delisted NPL Site	0.50	N	Y	Y
Federal SEMS Site	0.50	N	N	N
Federal SEMS-ARCHIVE	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N

Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, VSQG, CESQG)	Subject and Adjoining	N	Y	Y
Federal IC/EC Registries	Subject Property	N	N	N
Federal ERNS Site	Subject Property	N	N	N
Federal PFAS Facility	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site (LUST/LPST)	0.50	N	Y	Y
State/Tribal Registered Storage Tank Sites (UST/AST)	Subject and Adjoining	N	Y	Y
State/Tribal IC/EC Registries	Subject and Adjoining	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	Y	Y
State/Tribal Spills	0.25	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	Y	Y
State PFAS Facility	Subject Property	N	N	N

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjoining Property Listings

The adjoining properties to the north and west are identified as UST, LUST, Delisted LUST, VCP, State Brownfields, SASPL, Remediation, RCRA-SQG, RCRA-VSQG, RCRA Non-Generator/NLR, AFS, and TRIS sites in the regulatory database report, as discussed below:

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Flavorich Inc Garage, Penske Truck Leasing
Address:	1100 South Church Street
Direction:	North, West
Hydrological Gradient:	Up-Gradient, Cross-Gradient
Database Listing:	RCRA Non Gen, RCRA VSQG, FINDS/FRS
Substance Involved:	Lead, Tetrachloroethylene
Years of Operation:	Unknown
Status:	Facility is Closed
Discussion:	<p>These listings indicate that a garage and truck leasing facility formerly operated on the property. The facility was a very small quantity generator of hazardous waste operating under EPA ID numbers SCR000002808 and SCD982107799. The facility notified that the generated hazardous wastes included lead and tetrachloroethylene. The listing indicated that in 2002, this facility was verified as not a generator and there are no violations associated. Based on the regulatory status that the facility is not a hazardous waste, generator, and lack of violations, these listings do not represent an environmental concern to the subject property. Partner notes, however, that this site entered into the voluntary cleanup program in 2020 that is discussed further below.</p>

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Pet Dairy
Address:	1100 South Church Street
Direction:	North, West
Hydrological Gradient:	Up-Gradient, Cross-Gradient
Database Listing:	AFS, TRIS
Substance Involved:	Sulfur Dioxide, Particulate Matter
Years of Operation:	1987-2010
Status:	Facility is Closed
Discussion:	<p>These listings appear to be associated with former dairy operations that included facilities that use toxic chemicals that could be released. According to the database listing for TRIS, some of the chemicals used on site were phosphoric acid, sodium hydroxide, and nitric acid. The listing under AFS for potential uncontrolled air emissions <100 tons per year included sulfur dioxide and particulate matter. No continuing potential for release of these chemicals appear to be apparent since the facility has been shut down since 2010. These listings do not represent a significant environmental concern to the subject property.</p>

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Pet Dairy
Address:	1100 South Church Street
Direction:	North, West
Hydrological Gradient:	Up-Gradient, Cross-Gradient
Database Listing:	UST, LUST, Delisted LST
Date of Release:	April 9, 1993 and February 21, 2012
Substance Released:	Petroleum Products
Media Impacted:	Unknown
Date of Closure:	November 18, 1993 and January 7,, 2015
Responsible Party:	Mid-America Dairyman Inc
Substance Involved:	Diesel Fuel, Gasoline, Waste Oil
Years of Operation:	1987-2010
Status:	Closed

Discussion:

According to the ERIS regulatory database, the adjoining property to the north and west identified as Pet Dairy, located at 1100 South Church Street, which is situated up- and cross-gradient is listed as a UST, LUST, and Delisted LST. According to the database listings, Pet Dairy formerly had five underground storage tanks including three 10,000-gallon diesel, a 8,000-gallon gasoline, and a 500-gallon waste oil. The database reported releases of petroleum based products on April 9, 1993 involving a leaking underground storage tank. Additionally a petroleum spill was identified to have occurred on February 21, 2012. Partner was unable to determine the media impacted (soil/groundwater), however, was able to determine that clean up efforts were completed and no further action (NFA) status was achieved on November 18, 1993 and January 7, 2015, respectively. No tank closure or spill cleanup documentation was available. Based on regulatory closure, these UST-related listings do not represent an environmental concern to the subject property.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Land-O-Sun Dairies LLC
Address:	1100 South Church Street,
Direction:	North, West
Hydrological Gradient:	Up-Gradient, Cross-Gradient
Database Listing:	SASPL, Brownfields, and VCP
Date of Release:	October 15, 2020 - Initiated

Substance Released:	Volatile Organic Compounds (VOCs)
Media Impacted:	Unknown
Date of Closure:	N/A
Responsible Party:	Land-O-Sun Dairies LLC
Substance Involved:	VOCs
Years of Operation:	Unknown
Status:	Active
Discussion:	The regulatory database identified onsite contamination of Volatile Organic Compounds onsite on October 15, 2020 and entry into the Voluntary Cleanup Program. Based on the regulatory database, no restrictions have been applied as not enough information has been obtained. Based on the current regulatory status, up-gradient to cross-gradient location, and unknown impacted media, this listing is identified as a REC.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	RUSF LLC
Address:	906 South Church Street,
Direction:	West
Hydrological Gradient:	Cross-Gradient
Database Listing:	RCRA SQG
Substance Involved:	Tetrachloroethylene
Years of Operation:	Unknown
Status:	Facility is Closed
Discussion:	This listing indicates that the facility was a small quantity generator of hazardous waste operating under EPA ID number SCR000781724. The facility notified that the generated hazardous wastes included tetrachloroethylene. No records were available regarding violations, but the site is now listed as a remediation site for release of volatile organic compounds which is discussed further below.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Rental Uniform Service
Address:	906 South Church Street
Direction:	West
Hydrological Gradient:	Cross-Gradient
Database Listing:	UST, LUST, Delisted LST

Date of Release:	December 31, 1991
Substance Released:	Petroleum Products
Media Impacted:	Unknown
Date of Closure:	October 25, 1993
Responsible Party:	Rental Uniform Service
Substance Involved:	Gasoline, Diesel Fuel, Waste Oil
Years of Operation:	Unknown
Status:	Closed

Discussion:

According to the ERIS regulatory database, the adjoining property to the west identified as Rental Uniform Service, located at 906 South Church Street, which is situated cross-gradient is listed as a UST, LUST, and Delisted LST. According to the database listings, Rental Uniform Service formerly had four underground storage tanks including a 20,000-gallon gasoline, a 20,000-gallon diesel, a 12,000-gallon diesel, and a 500-gallon waste oil. The database reported releases of petroleum based products on December 31, 1991 involving a leaking underground storage tank. Partner was unable to determine the media impacted (soil/groundwater) based solely on the database listing, however, was able to determine that clean up efforts were completed and no further action (NFA) status was achieved on October 25, 1993. No tank closure or spill cleanup documentation was available. Based on regulatory closure, these UST-related listings do not represent an environmental concern to the subject property. Partner notes that a voluntary cleanup contract was available online and is discussed further below.

ADJOINING PROPERTY DATABASE LISTING

Property Name:	Rental Uniform Service, RUSF, LLC
Address:	906 South Church Street
Direction:	West
Hydrological Gradient:	Cross-Gradient
Database Listing:	VCP, SASPL, Remediation
Date of Release:	June 30, 2016 - VCP Contract signed
Substance Released:	VOCs
Media Impacted:	soil, groundwater
Date of Closure:	N/A
Responsible Party:	RUSF, LLC
Substance Involved:	VOCs including cis-1,2-dichloroethylene, trichloroethylene, tetrachloroethylene, and methylene chloride

Years of Operation:	Unknown
Status:	Active
Discussion:	The regulatory database identified onsite contamination of Volatile Organic Compounds onsite on June 30, 2016 and entry into the Voluntary Cleanup Program. Based on the regulatory database, no restrictions have been applied as not enough information has been obtained. Based on the current regulatory status, up-gradient to cross-gradient location, and unknown impacted media, this listing is identified as a REC. Partner notes that a copy of the VCP contract was available through the SCDHEC State Remediation list of Clean Up Projects in Progress. No additional information was available, however, a FOIA request requesting additional environmental records for this property has been submitted but a response has not been received as of the date of this report.

Based on the findings, vapor migration is considered an environmental concern at this time.

4.2.4 Surrounding Area Listings of Sites of Concern

No sites of concern are identified in the regulatory database report.

Based on the findings, vapor migration is not considered an environmental concern at this time.

4.2.5 Unplottable Listings

No unplottable listings are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM Practice E1527-21, Partner requested the following site information from The Paces Foundation, Inc. (User of this report).

USER RESPONSIBILITIES

Item	Provided By User
AAI User Questionnaire	No
Title Records, Environmental Liens, and AULs	No
Specialized Knowledge	No
Actual Knowledge	No
Valuation Reduction for Environmental Issues	No
Identification of Key Site Manager	Yes
Reason for Performing Phase 1 ESA	Yes
Prior Environmental Reports	No
Other	No

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property Housing Authority of Florence, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. It is understood that the Report User would not have knowledge of the property that would significantly impact our ability to satisfy the objectives of this assessment. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

Mrs. Ceirra Washington, key site manager, indicated that they had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

The key site manager further stated that there are no USTs, ASTs, clarifiers, oil/water separators, groundwater monitoring wells, or hazardous substance use/storage/generation on the subject property to the best of their knowledge.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators, and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or reasonably ascertainable within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

No previous reports or other pertinent documentation was provided to Partner for review during the course of this assessment.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was overcast. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

SITE ASSESSMENT DATA

Site Assessment Performed By:	Devin Arnett
Site Assessment Conducted On:	August 12, 2024

The table below provides the subject property personnel interviewed during the field reconnaissance:

SITE VISIT PERSONNEL FOR 1117 JUNE LANE (SUBJECT PROPERTY)

Name	Title/Role	Contact Number	Site Walk*
Chris Bailey	Maintenance Supervisor	843-662-0002	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located throughout the subject property. An independent solid waste disposal contractor, City of Florence, removes solid waste from the subject property. Solid waste generated at the subject property includes food waste and household-type trash. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of Florence Water and Sewer services the subject property vicinity. No wastewater treatment facilities were observed or reported on the subject property. No septic systems were observed or reported on the subject property.

6.1.3 Stormwater and Surface Water Drainage

Stormwater is removed from the subject property primarily by sheet flow action across the paved surfaces towards stormwater drains on the property and in the public right of way, or by ground infiltration on the subject property. On-site stormwater drains discharge to municipal owned and maintained storm sewer system. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Heating and cooling systems as well as domestic hot water equipment are fueled by electricity provided by Duke Energy. The mechanical system is comprised of split system with a central unit and interior air handlers and exterior in condensers. Hot water is provided by individual electric water heaters.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial processes are currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No evidence of the use of reportable quantities of hazardous substances was observed on the subject property.

Small quantities of general maintenance supplies were found to be properly labeled and stored at the time of the assessment with no signs of leaks, stains, or spills. The storage and use of maintenance supplies does not appear to pose a significant threat to the environmental integrity of the subject property at this time.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains, or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – “Non-PCB;” 2) 50 ppm-500 ppm – “PCB-Contaminated;” and, 3) Greater than 500 ppm – “PCB-Containing.” The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after July 2, 1979.

The on-site reconnaissance addressed indoor and outdoor transformers that may contain PCBs. Multiple pole-mounted transformer was observed on the subject property. The transformers are not labeled indicating PCB content. No staining or leakage was observed in the vicinity of the transformers. Partner contacted a customer service representative of Duke Energy (INCLUDE Name and Phone Number), who confirmed that they maintain ownership and operational responsibility for the transformers and that the units do not contain PCBs. Based on the good condition of the equipment, the transformers are not considered an environmental concern.

No other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 *Strong, Pungent or Noxious Odors*

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 *Pools of Liquid*

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 *Drains, Sumps and Clarifiers*

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 *Pits, Ponds and Lagoons*

Partner's identified area of potential wetlands located on the southern boundary of the subject property.

6.2.9 *Stressed Vegetation*

No stressed vegetation was observed on the subject property.

6.2.10 *Additional Potential Environmental Hazards and Emerging Contaminants*

Partner evaluated the current subject property use during the site reconnaissance for potential environmental hazards, including Per- and Polyfluoroalkyl Substances (PFAS) impacts to the subject property. Based on the site observations likely PFAS impacts to the subject property based on current use were not identified. Based on this information, PFAS are not considered an environmental concern at this time.

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 *Non-ASTM Services*

6.3.1 *Asbestos-Containing Materials (ACMs)*

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building that have not been appropriately tested are "presumed asbestos-containing material" (PACM).

A limited, visual survey of areas accessible from ground level for the presence of suspect ACM at the subject property was conducted. The objective of this visual survey was to note the presence and condition of suspect ACM listed by EPA, OSHA, and other regulatory and recognized sources as suspect ACM and/or considered friable or non-friable. Please refer to the table below for identified suspect ACM:

SUSPECT ACMs

Suspect ACM	Location	Friable Yes/No	Physical Condition
Drywall Systems, Spray-Applied Acoustical Material	Throughout Building Interior	Yes	Fair to poor
Floor Tiles, Floor Tile Mastic	Throughout Building Interior	No	Fair to poor

Partner identified multiple areas of damaged drywall systems, spray-applied acoustical material, and flooring throughout the inspected structures due to either moisture and suspect growth issues and/or wear and tear.

Prior to disturbance, Partner recommends a comprehensive asbestos survey of the property be completed to determine the presence, condition, friability and likely future condition of suspect or confirmed ACM. All suspect materials must be handled as ACM according to local, state and federal regulations until the results of sampling and analysis indicate the material is a non-ACM. According to the US EPA, ACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

6.3.2 **Lead-Based Paint (LBP)**

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm² (or 5,000 µg/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X," to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Based on the age of the subject property buildings (pre-1978), there is a potential that LBP is present. Interior and exterior painted surfaces were observed in good condition and therefore not expected to represent a "hazard," although the condition of the paint should be monitored and maintained to ensure it does not become deteriorated.

Actual material samples would need to be collected in order to determine if LBP is present.

6.3.3 **Radon**

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA RADON ZONES

EPA Zones	Average Predicted Radon Levels	Potential
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered an environmental concern.

6.3.4 Lead in Drinking Water

City of Florence According to a representative of the agency, Sherry (Customer Service Representative) 843-665-3155, shallow groundwater beneath the subject property is not utilized for domestic purposes. The sources of public water for the City/Town/Village/unincorporated area of CITY NAME are groundwater from Crouch Branch Aquifer According to the 2023 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas of the subject property buildings for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this assessment should not be used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

The following indications of water damage or mold growth were observed during Partner's visual assessment:

MOLD OBSERVATIONS

Location of area affected	Condition
Unit 908B - Moisture damage and suspect growth on flooring in living room	Poor
Unit 928B - Active moisture leak and suspect growth impacting the second floor bathroom ceiling and flooring	Poor

as well as the first floor hallway ceiling	
Unit 930A - Suspect growth on walls and ceiling in the second floor bathroom as well as suspect growth and moisture damage on walls and ceiling beneath HVAC unit in stairwell	Poor
Unit 1004A - Moisture damage on flooring throughout the unit.	Poor
Unit 1016A - Moisture damage on flooring throughout the unit as well as moisture damage and suspect growth on walls and ceiling in the second floor bathroom.	Poor
Unit 1018A - Moisture damage on ceiling in bathroom.	Poor
Unit 1122A - Suspect growth on carpeted flooring in the stairwell as well as moisture damage and suspect growth on walls and ceilings in the bathroom	Poor
Unit 1124B - Suspect growth and moisture damage inside closet on first floor as well as on walls and ceiling in bathroom.	Poor
Unit 1133B - Suspect growth on ceiling and walls in bathroom	Poor

Partner identified multiple areas of inactive and active moisture damage on interior walls and flooring as well as suspect growth on walls, ceilings, and building materials scattered throughout the units with primary focus issues in the bathrooms of each unit.

6.3.6 *Wetlands*

The subject property appears to be a designated wetland area based on information obtained from the United States Fish and Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. along the southern boundary. Potential

wetlands were observed on the subject property during this assessment located along the southern boundary.

6.4 Adjoining Property Reconnaissance

The adjoining property reconnaissance consisted of observing the adjoining properties from the subject property premises.

6.4.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.2 ASTs/USTs for Hazardous Substances or Petroleum Products

No ASTs or USTs for hazardous substances/petroleum products were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.3 Evidence of Releases

No evidence of a release was observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.4 PCBs

Several pole-mounted transformers were observed on the adjoining properties. No staining or leakage was observed in the vicinity of the transformers. Based on these observations, the presence of adjoining transformers is not considered an environmental concern.

6.4.5 Strong, Pungent, or Noxious Odors

No strong, pungent, or noxious odors were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.6 Pools of Liquid

No pools of liquid were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.7 Drains, Sumps, and Clarifiers

No drains, sumps, or clarifiers were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.8 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons were observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.9 Stressed Vegetation

No stressed vegetation was observed on adjoining properties during the limited adjoining property reconnaissance.

6.4.10 Additional Potential Environmental Hazards and Emerging Contaminants

Partner evaluated the current adjoining property use/uses during the site reconnaissance for potential environmental hazards, including PFAS impacts to the subject property. Based on observations made from the subject property borders likely emerging contaminants or PFAS impacts to the subject property from

current adjoining property uses were not identified. Based on this information, PFAS are not considered an environmental concern.

No additional environmental hazards were observed on adjoining properties during the limited adjoining property reconnaissance. Partner notes, however, that the properties to the north and west of the subject property are vacant industrial sites and other sources indicate they are part of the state voluntary cleanup program. Little or no information on current status of remedial activity was available at the time of this report, however, soil and groundwater contamination is indicated in the voluntary cleanup contract for the RUSF, LLC property to the west.

7.0 VAPOR ENCROACHMENT CONDITIONS

Partner conducted a limited non-intrusive vapor screening on the subject property to identify, to the extent feasible, the potential for vapor encroachment conditions (VECs) in connection with the subject property. This included consideration of chemicals of concern (COC) that may migrate as vapors into the subsurface of the subject property as a result of contaminated soil and groundwater on or near the property.

This screening utilized readily available data sources previously discussed in this Phase I ESA that includes:

- the physical setting of the subject property (Section 2.4),
- standard historical sources for the subject property, adjoining, and surrounding area (Section 3.0),
- known or potentially contaminated sites as identified from information from regulatory agencies and sites on Federal, State, tribal and local databases (Section 4.0), and
- information from the site reconnaissance (Section 6.0) of the subject property and observations of the surrounding properties.

The results of our data collection, reconnaissance, and analysis are tabulated below:

POTENTIAL FOR VAPOR ENCROACHMENT TO IMPACT THE SUBJECT PROPERTY

Area of Concern	Likely or Known VEC to Subject Property
Subject Property Existing Operations or Conditions (Sections 2.0 and 6.0)	None identified that impact the subject property.
Historical Uses of the Subject Property (Section 3.0)	None identified that impact the subject property.
Adjoining Property Operations or Existing Conditions (Sections 2.3 and 6.4)	The adjacent properties to the north and west identified in section 4.2.3 represent a potential or known VEC.
Historical Uses of Adjoining Properties or Nearby Properties (Section 3.0)	The adjacent properties to the north and west identified in section 4.2.3 represent a potential or known VEC.
Regulatory Review of sites identified on Federal, State, tribal and Local Environmental Databases which were located in the AMSD (Section 4.0)	The adjacent properties to the north and west identified in section 4.2.3 represent a potential or known VEC.

Based on the findings of the limited non-intrusive vapor screening, vapor intrusion is likely to be an issue of concern in connection with the existing structures on the subject property. As such, additional assessment is recommended.

Based on the current regulatory status of the adjoining properties to the north and west of the subject property structures, the up-gradient location, known releases of VOCs and entry into the Voluntary Cleanup Program (VCP) additional assessment is recommended.

8.0 FINDINGS AND CONCLUSIONS

Findings and Opinions

Recognized Environmental Condition

A recognized environmental condition (REC) refers to the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- The regulatory database identified onsite contamination of Volatile Organic Compounds onsite on October 15, 2020 and entry into the Voluntary Cleanup Program. Based on the regulatory database, no restrictions have been applied as not enough information has been obtained. Based on the current regulatory status, up-gradient to cross-gradient location, and unknown impacted media, this listing is identified as a REC.
- The regulatory database identified onsite contamination of Volatile Organic Compounds onsite on June 30, 2016 and entry into the Voluntary Cleanup Program. Based on the regulatory database, no restrictions have been applied as not enough information has been obtained. Based on the current regulatory status, up-gradient to cross-gradient location, and unknown impacted media, this listing is identified as a REC. Partner notes that a copy of the VCP contract was available through the SCDHEC State Remediation list of Clean Up Projects in Progress. No additional information was available, however, a FOIA request requesting additional environmental records for this property has been submitted but a response has not been received as of the date of this report.

Controlled Recognized Environmental Condition

A controlled recognized environmental condition (CREC) refers to a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify CRECs during the course of this assessment.

Historical Recognized Environmental Condition

A historical recognized environmental condition (HREC) refers to a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify HRECs during the course of this assessment.

Business Environmental Risk

A Business Environmental Risk (BER) is a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. The following was identified during the course of this assessment:

- Due to the age of the subject property building/buildings, there is a potential that asbestos-containing material (ACM) and/or lead-based paint (LBP) are present. Readily visible suspect

ACMs and painted surfaces were observed in good condition. A few areas of the building materials including ceiling tiles, however, were noted during the assessment to be broken, chipped, and/or have signs of water damage. Should these materials be replaced, the identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants.

- During the assessment, multiple areas of active and inactive moisture damage as well as visible suspect organic growth were identified throughout the inspected units.

Significant Data Gaps

No significant data gaps affecting the ability of the Environmental Professional to identify a REC were encountered during this assessment.

Conclusions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of 1117 June Lane in Florence, Florence County, South Carolina (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of CRECs, or HRECs in connection with the subject property; however, RECs and BERs were identified. Based on the conclusions of this assessment, Partner recommends the following:

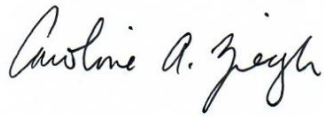
- Review of SCDHEC records regarding current status of the voluntary cleanup agreements with RUSF, LLC and Land-O-Sun Dairies, LLC should be conducted to determine whether the subject property has been environmentally impacted. A limited subsurface investigation should be conducted in order to determine the presence or absence of soil, soil vapor, and/or groundwater contamination due to the historical use of the adjoining properties to the north and west of the subject property.
- An Operations and Maintenance (O&M) Program should be implemented in order to safely manage the suspect ACMs and LBP located at the subject property.
- An Operations and Maintenance (O&M) Program should be implemented in order to safely manage the areas of active and inactive moisture damage as well as suspect organic growth located at the subject property.

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 1117 June Lane in Florence, Florence County, South Carolina in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Reviewed By:



Caroline A. Ziegler
Senior Author

10.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-21

Environmental Risk Information Services (ERIS), Database Report, August 2024

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via the internet, August 2024

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, August 2024

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, August 2024

United States Fish and Wildlife Service, National Wetlands Inventory, accessed via the internet, August 2024

United States Geological Survey, accessed via the internet, August 2024

United States Geological Survey Topographic Map, 7.5-minute series, accessed via the internet, August 2024

FIGURES

1: Site Location Map

2: Site Plan

3: Topographic Map



Drawing Not To Scale

KEY:
Subject Property 

FIGURE 1: SITE LOCATION MAP
Project No. 24-458664.1



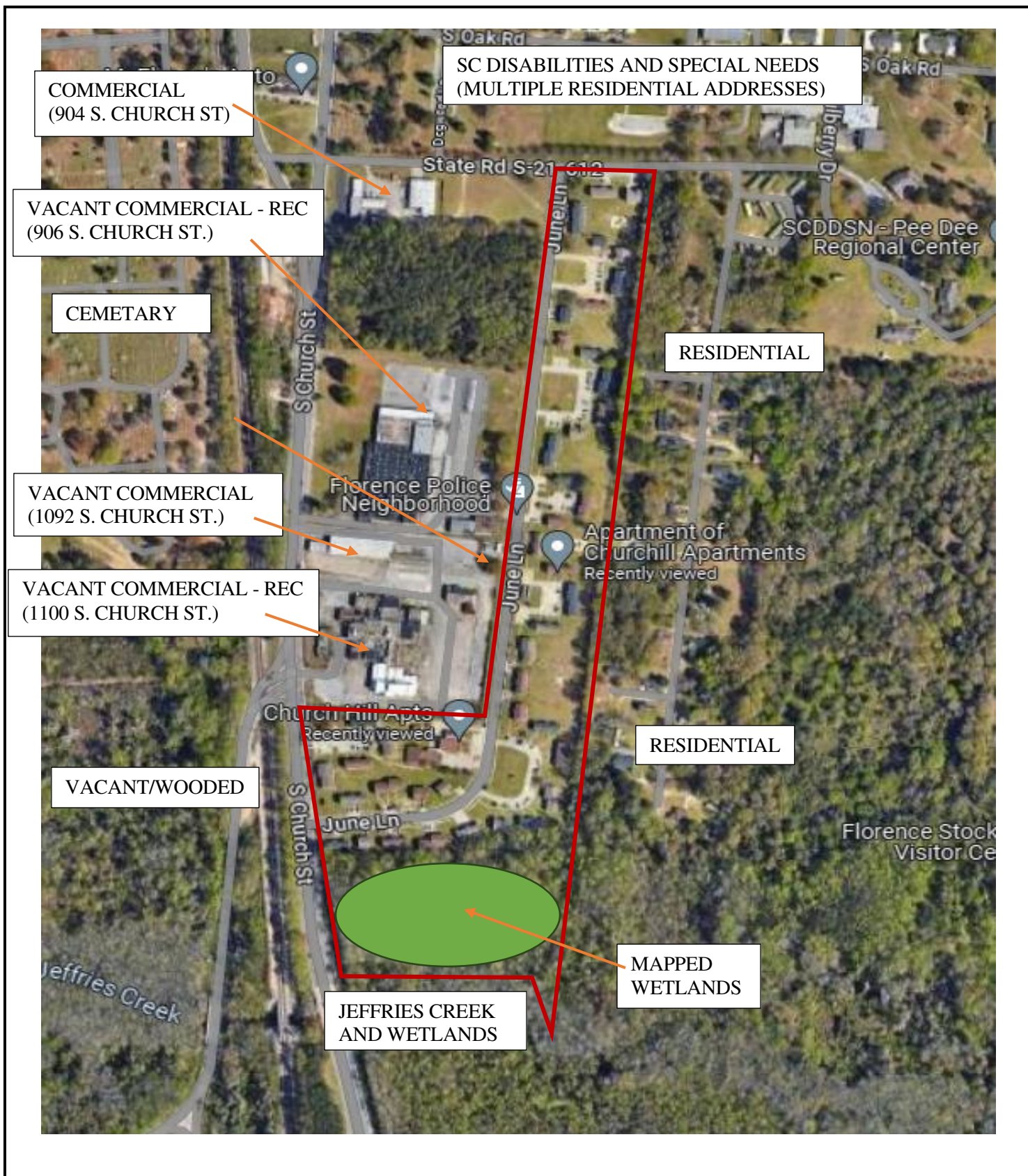


FIGURE 2: SITE PLAN
Project No. 24-458664.1

APPENDIX A: SITE PHOTOGRAPHS



1. HOUSING AUTHORITY OFFICE



2. TYPICAL BUILDING ELEVATION



3. COMMUNITY BUILDING



4. TYPICAL BUILDING ELEVATION



5. TYPICAL BUILDING ELEVATION



6. TYPICAL BUILDING ELEVATION



7. TYPICAL BUILDING ELEVATION



8. TYPICAL BUILDING ELEVATIONS



9. PARKING



10. TYPICAL LIVING ROOM



11. EXAMPLE OF MOISTURE DAMAGED FLOORING



12. TYPICAL LIVING ROOM



13. EXAMPLE OF MOISTURE DAMAGED CEILING



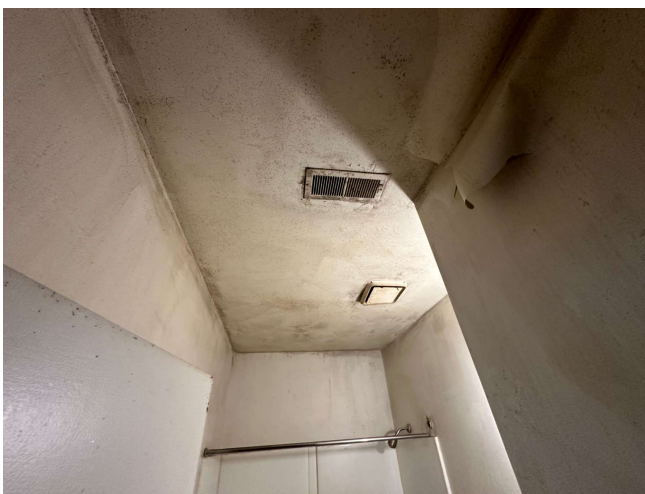
14. EXAMPLE OF SUSPECT ORGANIC GROWTH



15. EXAMPLE OF SUSPECT ORGANIC GROWTH



16. EXAMPLE OF MOISTURE DAMAGED CEILING



17. EXAMPLE OF SUSPECT ORGANIC GROWTH



18. EXAMPLE OF SUSPECT ORGANIC GROWTH AND MOISTURE DAMAGED CEILING



19. EXAMPLE OF SUSPECT ORGANIC GROWTH



20. EXAMPLE OF SUSPECT ORGANIC GROWTH



21. TYPICAL HVAC CLOSET



22. TYPICAL BATHROOM



23. TYPICAL KITCHEN



24. TYPICAL BEDROOM



25. EXAMPLE OF MOISTURE DAMAGED FLOORING



26. EXAMPLE OF SUSPECT ORGANIC GROWTH



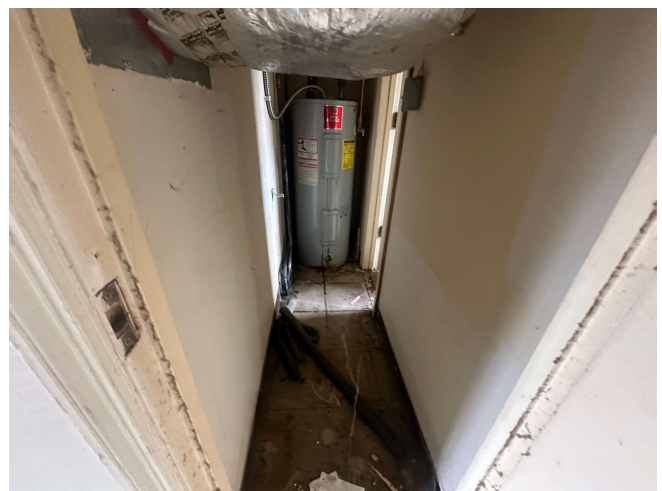
27. EXAMPLE OF MOISTURE DAMAGED FLOORING



28. EXAMPLE OF SUSPECT ORGANIC GROWTH



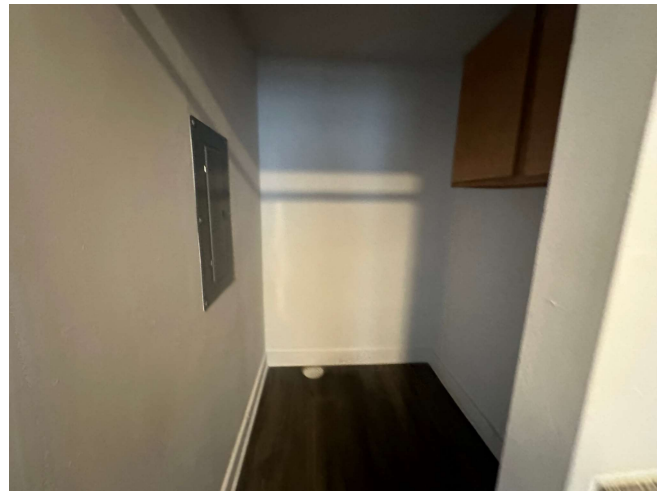
29. EXAMPLE OF SUSPECT ORGANIC GROWTH



30. TYPICAL HOT WATER HEATER



31. EXAMPLE OF MOISTURE DAMAGE FLOORING



32. TYPICAL CLOSET



33. EXAMPLE OF SUSPECT ORGANIC GROWTH



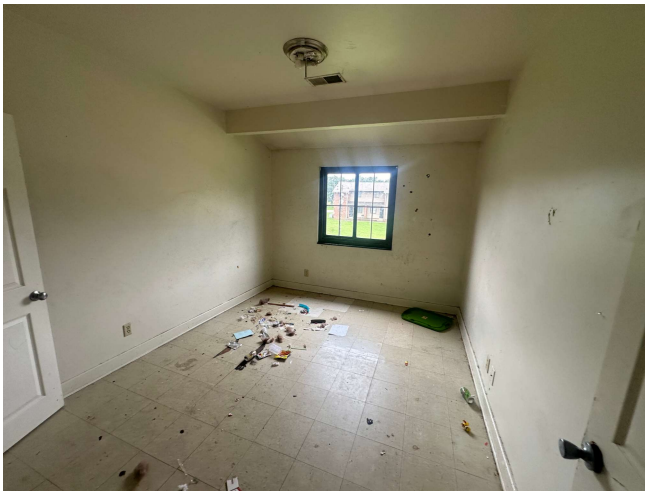
34. EXAMPLE OF SUSPECT ORGANIC GROWTH



35. EXAMPLE OF SUSPECT ORGANIC GROWTH



36. INTERIOR OF MAINTENANCE BUILDING



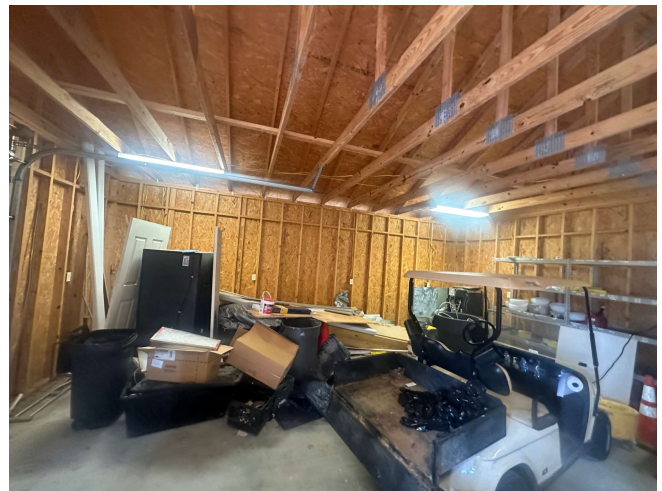
37. TYPICAL BEDROOM



38. TYPICAL HOT WATER HEATER AND AIR HANDLER



39. EXAMPLE OF SUSPECT ORGANIC GROWTH



40. INTERIOR OF MAINTENANCE BUILDING



41. TYPICAL BEDROOM



42. TYPICAL BATHROOM



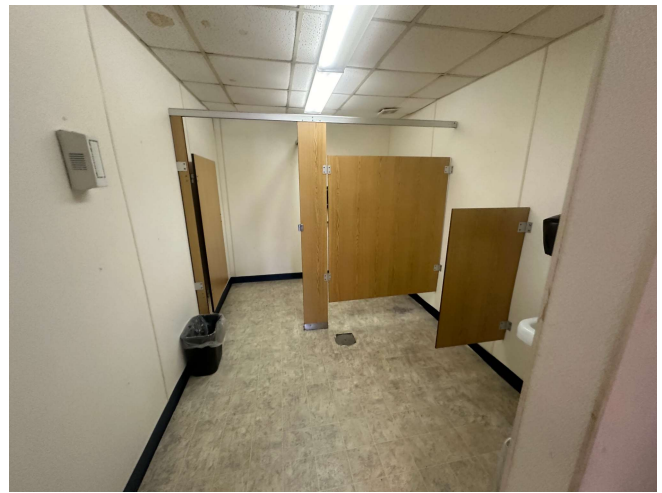
43. INTERIOR OF HOUSING AUTHORITY OFFICE



44. INTERIOR OF HOUSING AUTHORITY OFFICE



45. INTERIOR OF HOUSING AUTHORITY OFFICE



46. INTERIOR OF HOUSING AUTHORITY OFFICE



47. TYPICAL POLE MOUNTED TRANSFORMER



48. EXAMPLE OF DRAINAGE FEATURE ON SUBJECT PROPERTY



49. BOUNDARY BETWEEN ADJACENT PROPERTY



50. AREA OF SUSPECTED WETLANDS ON THE SOUTHERN BOUNDARY OF THE PROPERTY



51. TYPICAL POLE MOUNTED TRANSFORMER



52. TYPICAL HVAC CONDENSING UNIT



53. STORAGE BUILDING



54. TYPICAL COMMERCIAL DUMPSTER



55. SUBJECT PROPERTY SIGNAGE



56. AREA OF SUSPECTED WETLANDS ON THE SOUTHERN BOUNDARY OF THE PROPERTY



57. TYPICAL PLAYGROUND



58. MAINTENANCE BUILDING



59. AREA OF SUSPECTED WETLANDS ON THE SOUTHERN BOUNDARY OF THE PROPERTY



60. AREA OF SUSPECTED WETLANDS ON THE SOUTHERN BOUNDARY OF THE PROPERTY



61. TYPICAL POLE MOUNDED TRANSFORMER



62. TYPICAL COMMERCIAL DUMPSTER



63. TYPICAL COMMERCIAL DUMPSTER



64. STORAGE SHED AND COMMERCIAL DUMPSTER



65. ADJACENT PROPERTY TO THE EAST



66. ADJACENT PROPERTY TO THE WEST



67. ADJACENT PROPERTY TO THE NORTH AND WEST



68. JEFFERIES CREEK THAT BORDERS THE SUBJECT PROPERTY TO THE SOUTH



69. ADJACENT PROPERTY TO THE WEST



70. ADJACENT PROPERTY TO THE WEST



71. ADJACENT PROPERTY TO THE EAST



72. ADJACENT PROPERTY TO THE WEST



73. ADJACENT PROPERTY TO THE NORTH AND WEST



74. ADJACENT PROPERTY TO THE WEST

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

500
Feet

**Subject
Property**



Year: 1941
Source: ASCS
Scale: 1" = 500'
Comment:

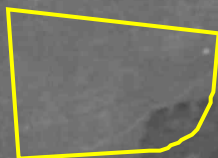
Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1949
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1957
Source: USGS
Scale: 1" = 500'
Comment:

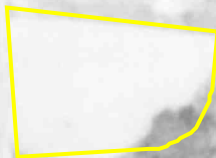
Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1964
Source: USAF
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1975
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1983
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER



Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051



500
Feet

**Subject
Property**



Year: 2003
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER



Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051





Year: 2009
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051



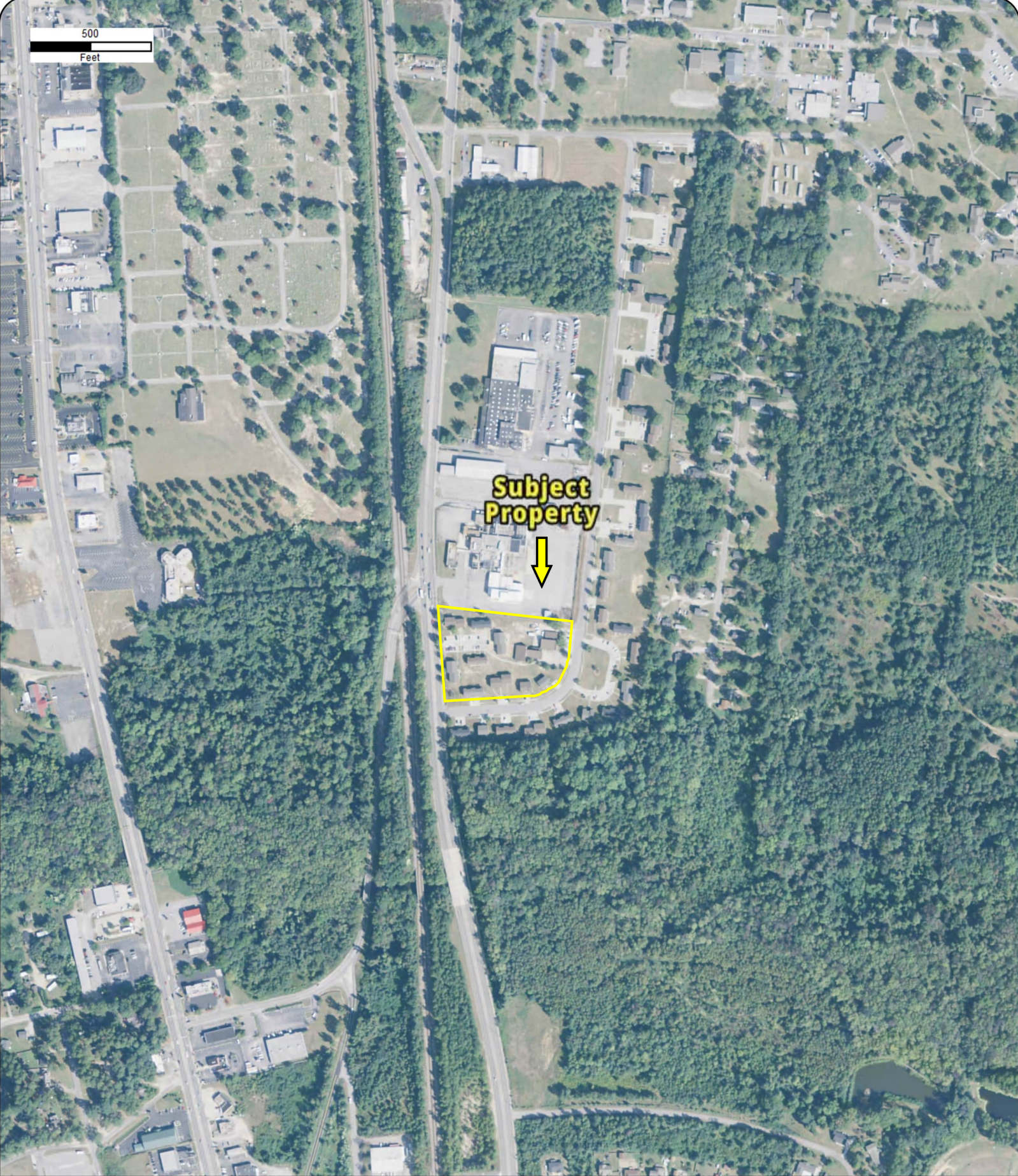


Year: 2011
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051



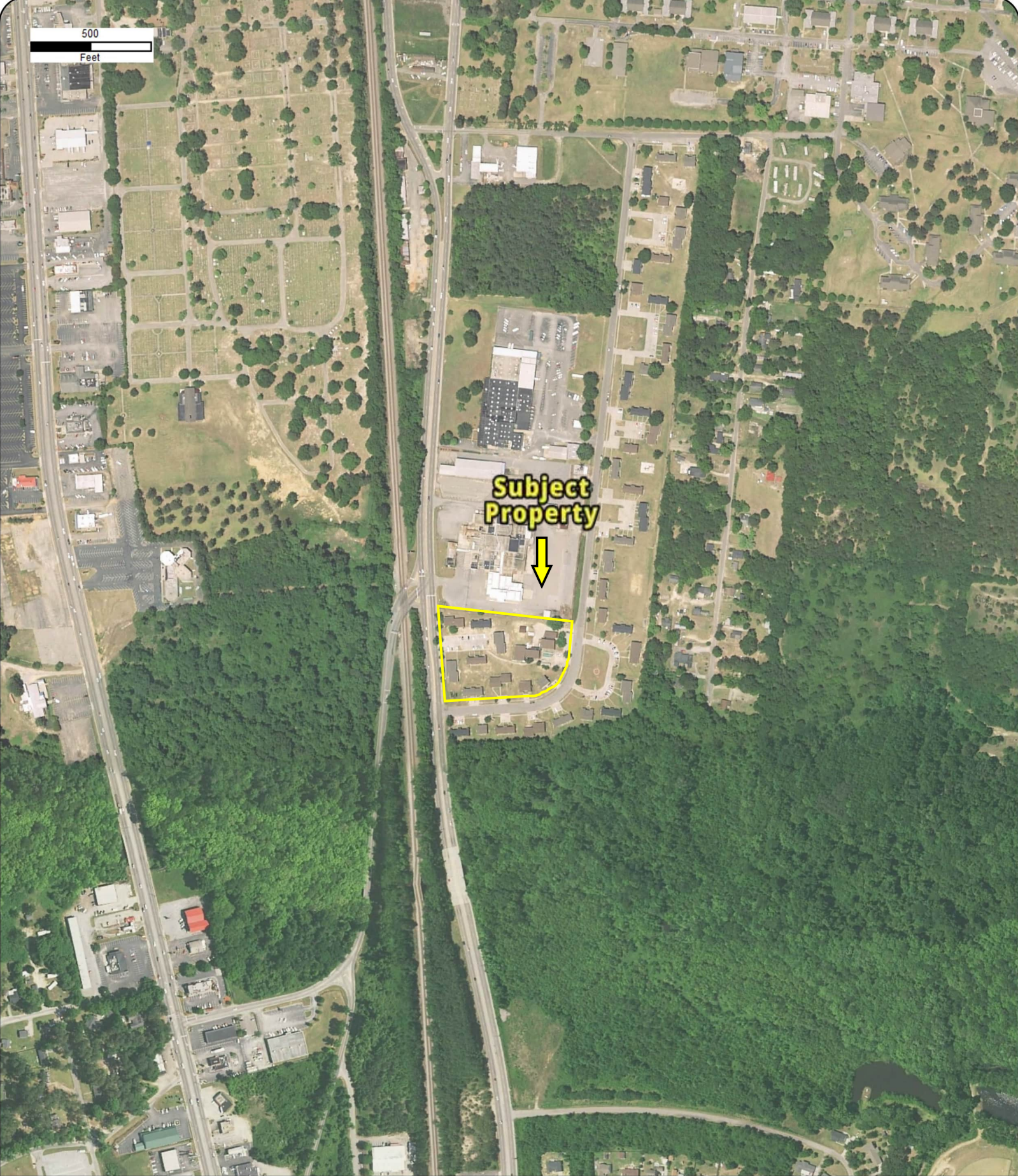


Year: 2013
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051



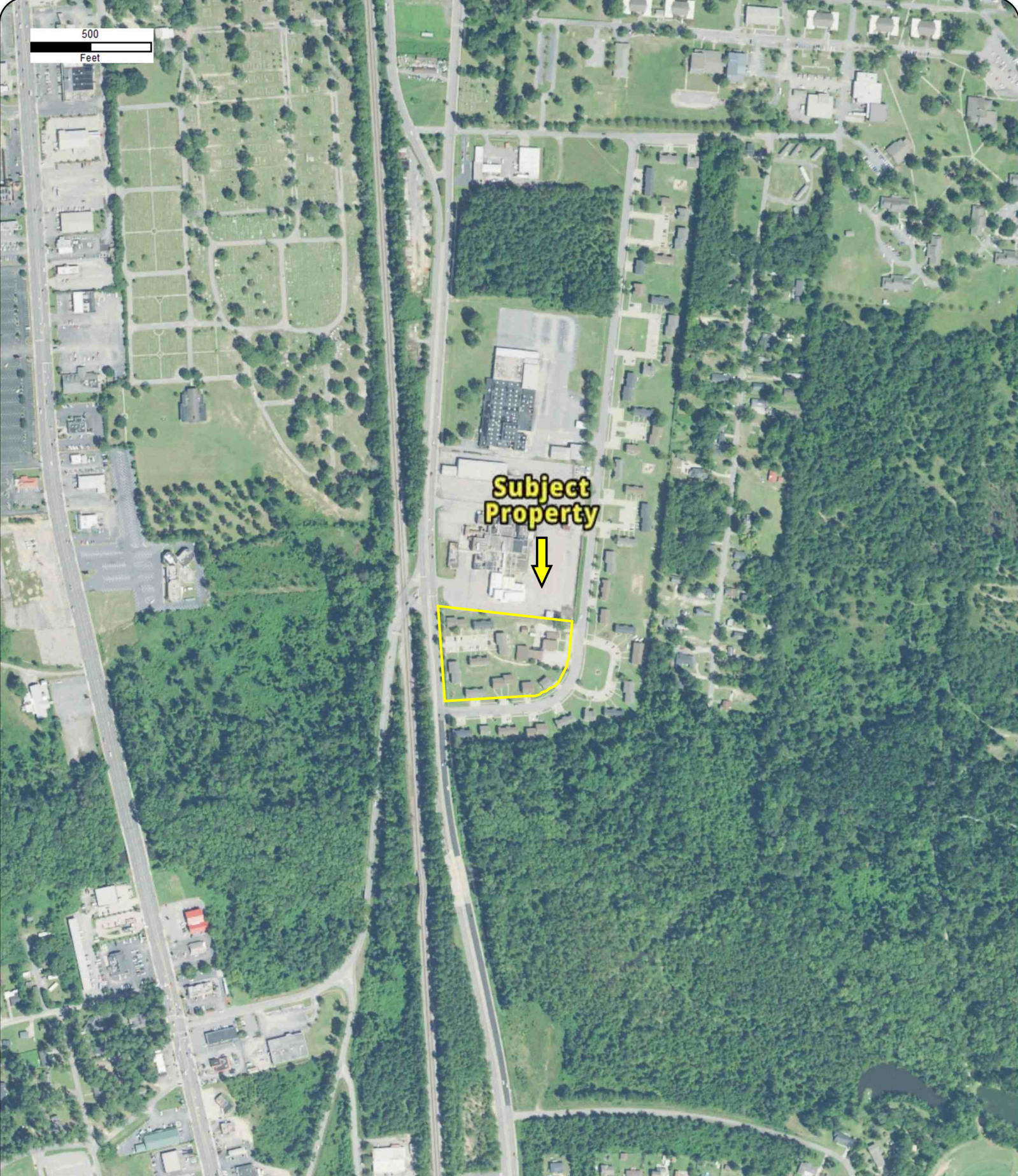


Year: 2015
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051



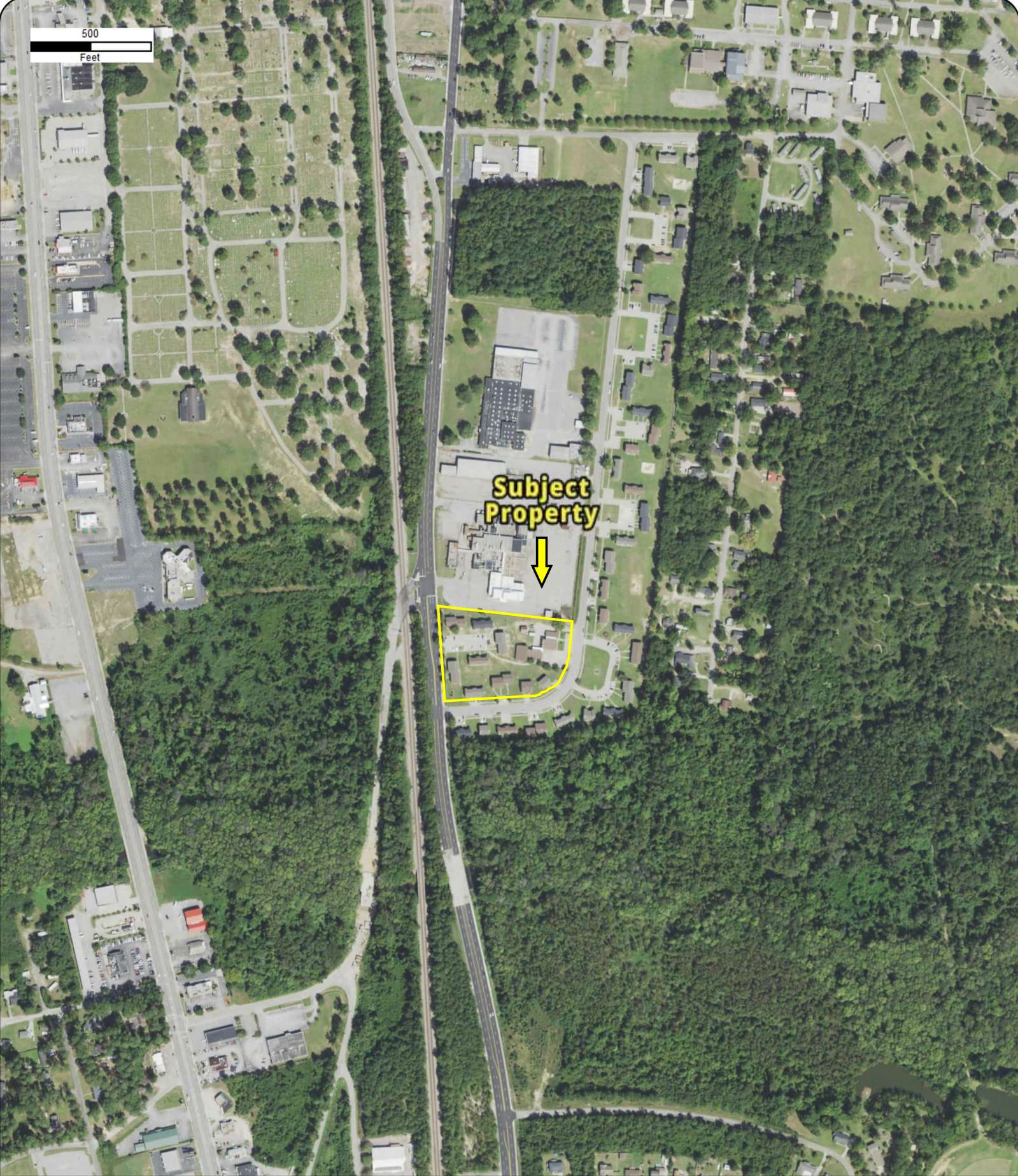


Year: 2017
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER



Year: 2019
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051





Year: 2021
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER



Year: 2023
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051





FIRE INSURANCE MAPS

Project Property: Churchill Apartments
1117 June Lane
FLORENCE SC 29506

Project No: 24-458664.1

Requested By: Partner Engineering and Science, Inc.

Order No: 24073001051

Date Completed: July 31, 2024

Please note that no information was found for your site or adjacent properties.



CITY DIRECTORY

Project Property: *Churchill Apartments
1117 June Lane
FLORENCE, SC 29506*

Project No: *24-458664.1*

Requested By: *Partner Engineering and Science, Inc.*

Order No: *24073001051*

Date Completed: *August 05, 2024*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

August 05, 2024
RE: CITY DIRECTORY RESEARCH
1117 June Lane
FLORENCE, SC 29506

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

ALL of June Ln
900-1500 of S Church St

Search Notes:

S Church St is also known as State Rd S 21 12 in FLORENCE.

Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1994-95	POLKS	
1993	CITY DIRECTORY INC	

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

912 ANTHONY HICKSON...RESIDENTIAL
 916 MALARIE COOPER...RESIDENTIAL
 920 FERNANDO MANN...RESIDENTIAL
 920 JULIA ROSE...RESIDENTIAL
 920 VIRGINIA HILTON...RESIDENTIAL
 924 ALVIN JAMES...RESIDENTIAL
 930 ANGEL BARR...RESIDENTIAL
 930 JOHNNY ROBINSON...RESIDENTIAL
 930 LATOYA SIMS...RESIDENTIAL
 1002 LEOLA ERWIN...RESIDENTIAL
 1004 DANA WHITE...RESIDENTIAL
 1010 REGINA MURRAY...RESIDENTIAL
 1012 ELISHA COVINGTON...RESIDENTIAL
 1012 SHARON EVANS...RESIDENTIAL
 1014 LINDA BACKUS...RESIDENTIAL
 1016 KIMBERLY SMITH...RESIDENTIAL
 1022 TERESA ELLISON...RESIDENTIAL
 1024 ALICE MORANT...RESIDENTIAL
 1102 NATASHA BROWN...RESIDENTIAL
 1110 REBECCA BARTELL...RESIDENTIAL
 1116 PATRICIA CAMPBELL...RESIDENTIAL
 1117 HOUSING AUTHORITY OF FLORENCE...HOUSING AUTHORITIES
 1117 HOUSING AUTHORITY OF FLORENCE...FEDERAL GOVERNMENT
 CONTRACTORS
 1124 SAGRICK ROBERTS...RESIDENTIAL
 1128 KENYETTA SMITH...RESIDENTIAL
 1128 SHUSHELIA DAVIS...RESIDENTIAL
 1129 SHANNON WILLIAMS...RESIDENTIAL
 1203 KAREN DAVIS...RESIDENTIAL
 1205 WENDY NIXON...RESIDENTIAL
 1206 KEITH TAYLOR...RESIDENTIAL
 1222 CARTHINIA PERNELL...RESIDENTIAL
 1228 KIMBERY COWARD...RESIDENTIAL
 1228 MAXINE HARRISON...RESIDENTIAL
 1230 WILLIS MCFADDEN...RESIDENTIAL
 1234 BRYAN MAXWELL...RESIDENTIAL
 1234 OPHADELE GREEN...RESIDENTIAL
 1234 TIESHA GREEN...RESIDENTIAL
 1238 ANGELA LOWERY...RESIDENTIAL

816 PEE DEE REGIONAL OFFICE...CONSTRUCTION COMPANIES
 816 PEE DEE REGIONAL OFFICE...ENGINEERS-AERONAUTICAL
 816 PEE DEE REGIONAL OFFICE...GOVERNMENT OFFICES-STATE
 816 PEE DEE REGIONAL OFFICE...FEDERAL GOVERNMENT CONTRACTORS
 833 MC ELVEEN'S AUTO...AUTOMOBILE CUSTOMIZING
 833 MCELVEEN'S TOWING SVC...AUTOMOBILE REPAIRING & SERVICE
 833 MCELVEENS AUTO REPAIR...AUTOMOBILE BODY-REPAIRING & PAINTING
 904 MECO INC OF FLORENCE...AUTOMOBILE PARTS & SUPPLIES-MFRS
 1405 COLLINS FIRE EXT...FIRE EXTINGUISHERS (WHLS)
 1405 COLLINS FIRE EXTINGUISHER INC...FIRE ALARM SYSTEMS (WHLS)
 1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHLS)
 1405 COLLINS FIRE EXTINGUISHER INC...SPRINKLER ALARM SYSTEMS (WHLS)
 1407 A1 MEDICAL INC...DENTAL EQUIPMENT & SUPPLIES-WHOLESALE
 1407 A1 MEDICAL INC...PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS
 1415 RICK'S PAWN SHOP...PAWNBROKERS
 1417 AUTO PLUS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
 1431 BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE
 1431 RICHARD BIRD...RESIDENTIAL
 1501 KEELS FLAG SHOPPE...FLAGS & BANNERS-MANUFACTURERS
 1501 LANGLEY AGENCY...INSURANCE
 1521 AMERICAN TROPHY CO INC...TROPHIES-MANUFACTURERS
 1521 AMERICAN TROPHY CO INC...AUTOMOTIVE TRIMMING/APPR'L FINDINGS
 1521 AMERICAN TROPHY CO INC...TROPHIES AWARDS & MEDALS
 1535 AMERICAN AUTO...AUTOMOBILE REPAIRING & SERVICE
 1535 BEST RATE AUTOMOTIVE SVC...AUTOMOBILE REPAIRING & SERVICE
 1535 CANNONS BODY WORKS...AUTOMOBILE BODY-REPAIRING & PAINTING

912 ANTHONY HICKSON...RESIDENTIAL

916 MALARIE COOPER...RESIDENTIAL

920 FERNANDO MANN...RESIDENTIAL

920 JULIA ROSE...RESIDENTIAL

920 VIRGINIA HILTON...RESIDENTIAL

924 ALVIN JAMES...RESIDENTIAL

930 ANGEL BARR...RESIDENTIAL

930 JOHNNY ROBINSON...RESIDENTIAL

930 LATOYA SIMS...RESIDENTIAL

1002 LEOLA ERWIN...RESIDENTIAL

1004 DANA WHITE...RESIDENTIAL

1006 SARAH JAMES...RESIDENTIAL

1010 REGINA MURRAY...RESIDENTIAL

1012 ELISHA COVINGTON...RESIDENTIAL

1012 SHARON EVANS...RESIDENTIAL

1014 JESSICA BACKUS...RESIDENTIAL

1016 KIMBERLY SMITH...RESIDENTIAL

1022 TERESA ELLISON...RESIDENTIAL

1024 ALICE MORANT...RESIDENTIAL

1102 NATASHA BROWN...RESIDENTIAL

1110 KEIJAH BARTELL...RESIDENTIAL

1116 PATRICIA CAMPBELL...RESIDENTIAL

1117 HOUSING AUTHORITY OF FLORENCE...HOUSING AUTHORITIES

1117 HOUSING AUTHORITY OF FLORENCE...FEDERAL GOVERNMENT

CONTRACTORS

1118 DENESHA PERRY...RESIDENTIAL

1124 SAGRICK ROBERTS...RESIDENTIAL

1128 KENYETTA SMITH...RESIDENTIAL

1128 SHUSHELIA DAVIS...RESIDENTIAL

1129 SHANNON WILLIAMS...RESIDENTIAL

1202 ANN GIBSON...RESIDENTIAL

1203 KAREN DAVIS...RESIDENTIAL

1205 WENDY NIXON...RESIDENTIAL

1206 KEITH TAYLOR...RESIDENTIAL

1222 CARTHINIA PERNELL...RESIDENTIAL

1228 KIMBERY COWARD...RESIDENTIAL

1228 MAXINE HARRISON...RESIDENTIAL

1230 WILLIS MCFADDEN...RESIDENTIAL

1234 BRYAN MAXWELL...RESIDENTIAL

1234 OPHADELE GREEN...RESIDENTIAL

1238 ANGELA LOWERY...RESIDENTIAL

816 PEE DEE REGIONAL OFFICE...CONSTRUCTION COMPANIES

816 PEE DEE REGIONAL OFFICE...ENGINEERS-AERONAUTICAL

816 PEE DEE REGIONAL OFFICE...GOVERNMENT OFFICES-STATE

816 PEE DEE REGIONAL OFFICE...FEDERAL GOVERNMENT CONTRACTORS

833 MC ELVEEN'S AUTO...AUTOMOBILE CUSTOMIZING

833 MCELVEEN'S TOWING SVC...AUTOMOBILE REPAIRING & SERVICE

833 MCELVEENS AUTO REPAIR...AUTOMOBILE BODY-REPAIRING & PAINTING

904 MECO INC OF FLORENCE...AUTOMOBILE PARTS & SUPPLIES-MFRS

1100 DEAN FOODS CO...ICE CREAM & FROZEN DESSERTS (MFRS)

1405 COLLINS FIRE EXT...FIRE EXTINGUISHERS (WHLS)

1405 COLLINS FIRE EXTINGUISHER INC...FIRE ALARM SYSTEMS (WHLS)

1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHLS)

1405 COLLINS FIRE EXTINGUISHER INC...SPRINKLER ALARM SYSTEMS (WHLS)

1407 A1 MEDICAL INC...DENTAL EQUIPMENT & SUPPLIESWHOLESALE

1407 A1 MEDICAL INC...PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS

1415 RICK'S PAWN SHOP...PAWNBROKERS

1417 AUTO PLUS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW

1431 BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE

1431 RICHARD BIRD...RESIDENTIAL

1501 KEELS FLAG SHOPPE...FLAGS & BANNERS-MANUFACTURERS

1501 LANGLEY AGENCY...INSURANCE

1521 AMERICAN TROPHY CO INC...TROPHIES-MANUFACTURERS

1521 AMERICAN TROPHY CO INC...AUTOMOTIVE TRIMMING/APPRL FINDINGS

1521 AMERICAN TROPHY CO INC...TROPHIES AWARDS & MEDALS

1535 AMERICAN AUTO...AUTOMOBILE REPAIRING & SERVICE

1535 BEST RATE AUTOMOTIVE SVC...AUTOMOBILE REPAIRING & SERVICE

912 ANTHONY HICKSON...RESIDENTIAL
916 EARTHA CARTER...RESIDENTIAL
916 MALARIE COOPER...RESIDENTIAL
920 FERNANDO MANN...RESIDENTIAL
920 JULIA ROSE...RESIDENTIAL
920 VIRGINIA HILTON...RESIDENTIAL
930 ANGEL BARR...RESIDENTIAL
930 JOHNNY ROBINSON...RESIDENTIAL
930 LATOYA SIMS...RESIDENTIAL
1002 LEOLA ERWIN...RESIDENTIAL
1004 DANA WHITE...RESIDENTIAL
1010 REGINA MURRAY...RESIDENTIAL
1012 ELISHA COVINGTON...RESIDENTIAL
1012 SHARON EVANS...RESIDENTIAL
1014 LINDA BACKUS...RESIDENTIAL
1022 TERESA ELLISON...RESIDENTIAL
1102 NATASHA BROWN...RESIDENTIAL
1110 REBECCA BARTELL...RESIDENTIAL
1116 PATRICIA CAMPBELL...RESIDENTIAL
1117 FLORENCE POLICE NEIGHBORHOOD...POLICE DEPARTMENTS
1117 HOUSING AUTHORITY OF FLORENCE...HOUSING AUTHORITIES
1128 KENYETTA SMITH...RESIDENTIAL
1128 SHUSHELIA DAVIS...RESIDENTIAL
1129 SHANNON WILLIAMS...RESIDENTIAL
1202 ANN GIBSON...RESIDENTIAL
1202 SHIRLEY GIBSON...RESIDENTIAL
1205 WENDY NIXON...RESIDENTIAL
1206 KEITH TAYLOR...RESIDENTIAL
1222 CARTHINIA PERNELL...RESIDENTIAL
1228 KIMBERY COWARD...RESIDENTIAL
1230 WILLIS MCFADDEN...RESIDENTIAL
1234 BRYAN MAXWELL...RESIDENTIAL
1234 OPHADELE GREEN...RESIDENTIAL
1234 TIESHA GREEN...RESIDENTIAL
1238 ANGELA LOWERY...RESIDENTIAL
1238 CHERYL GODWIN...RESIDENTIAL
1238 FARRELL GODWIN...RESIDENTIAL

816 PEE DEE REGIONAL OFFICE...GOVERNMENT OFFICES-STATE
833 MC ELVEEN'S AUTO...AUTOMOBILE CUSTOMIZING
1100 DEAN FOODS CO...ICE CREAM & FROZEN DESSERTS (MFRS)
1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHLS)
1407 A1 MEDICAL INC...PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS
1415 RICK'S PAWN SHOP...PAWNBROKERS
1417 AUTO PLUS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
1431 BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE
1431 RICHARD BIRD...RESIDENTIAL
1501 KEELS FLAG SHOPPE...FLAGS & BANNERS-MANUFACTURERS
1501 LANGLEY AGENCY...INSURANCE
1501 QUIK PRINT...COMMERCIAL PRINTING NEC (MFRS)
1521 AMERICAN TROPHY CO INC...TROPHIES-MANUFACTURERS
1535 AMERICAN AUTO...AUTOMOBILE REPAIRING & SERVICE

1110 ROSETTA FORTUNE...RESIDENTIAL
1117 FLORENCE POLICE NEIGHBORHOOD...POLICE DEPARTMENTS
1117 HOUSING AUTHORITY PROJECT OFC...HOUSING AUTHORITIES
1117 RESIDENT OPPORTUNITY CTR...HOUSING AUTHORITIES

833 MC ELVEEN'S AUTO...AUTOMOBILE BODY-REPAIRING & PAINTING
833 MC ELVEEN'S TOWING SVC...WRECKER SERVICE
1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHLS)
1407 A1 MEDICAL INC...PHYSICIANS & SURGEONS EQUIP & SUPLS-WHLS
1415 RICK'S PAWN SHOP...PAWNBROKERS
1417 PARTS MART AUTO PARTS...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
1417 UNI-SELECT USA...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW
1431 BIRDS AUTOMOTIVE REPAIR LLC...AUTOMOBILE REPAIRING & SERVICE
1501 KEELS FLAG SHOPPE...FLAGS & BANNERS-MANUFACTURERS
1501 QUIK PRINT...PRINTERS (MFRS)
1505 BEST RATE AUTOMOTIVE SVC...AUTOMOBILE REPAIRING & SERVICE
1509 PRICE BREAKERS VARIETY SHOP...CLOTHING-RETAIL
1521 AMERICAN TROPHY CO INC...TROPHIES AWARDS & MEDALS

112 total records. Part 1 of 2

904 EVERLENA WRIGHT...RESIDENTIAL
 904 MACK BRUCE...RESIDENTIAL
 906 APRIL PIPKINS...RESIDENTIAL
 906 L LEAK...RESIDENTIAL
 906 YOLANDA LEAK...RESIDENTIAL
 908 MELISSA A BROWN...RESIDENTIAL
 910 ANGELA R TAYLOR...RESIDENTIAL
 910 SHARHONDA TAYLOR...RESIDENTIAL
 912 TONYA BURGESS...RESIDENTIAL
 914 AALIYAH MYERS...RESIDENTIAL
 914 FANNIE A SCOTT...RESIDENTIAL
 916 R SCOTT...RESIDENTIAL
 918 CHERYL JACKSON...RESIDENTIAL
 920 LIBBY PEARCE...RESIDENTIAL
 920 RANDOLPH SANDERS...RESIDENTIAL
 924 TAMEKIA WILLIAMS...RESIDENTIAL
 926 ALLEN COOPER...RESIDENTIAL
 926 TAMARA L JOHNSON...RESIDENTIAL
 928 REZENIA MCALLISTER...RESIDENTIAL
 928 TYHESHA M THOMAS...RESIDENTIAL
 930 DONNA BURGESS...RESIDENTIAL
 930 SHIRLEY STUCKEY...RESIDENTIAL
 1000 REBECCA M JACKSON...RESIDENTIAL
 1002 KAREN DAVIS...RESIDENTIAL
 1004 MARLENE OLDS...RESIDENTIAL
 1004 MARTHA GIBSON...RESIDENTIAL
 1006 D PEOPLES...RESIDENTIAL
 1006 GWEN BARR...RESIDENTIAL
 1006 KERVIN JAMES...RESIDENTIAL
 1008 KIMBERLY A COWARD...RESIDENTIAL
 1008 LESLIE CANNON...RESIDENTIAL
 1008 WILLIE PARNELL...RESIDENTIAL
 1010 THERESA SPARKS...RESIDENTIAL
 1010 WANDA BRAXTON...RESIDENTIAL
 1012 TAMELA GORDON...RESIDENTIAL
 1014 GLORIA A MCELNEEN...RESIDENTIAL
 1014 HOMER MOORE...RESIDENTIAL
 1016 CABARIUS JAMES...RESIDENTIAL
 1016 MARLENE D ROBINSON...RESIDENTIAL
 1018 LARRY HAWKINS...RESIDENTIAL
 1020 KATHRYN NELSON...RESIDENTIAL
 1020 KIMBERLY MACK...RESIDENTIAL
 1022 FANTA N WILLIAMS...RESIDENTIAL
 1024 ANNE PETERSON...RESIDENTIAL
 1026 MARIA GRAHAM...RESIDENTIAL
 1026 SHIRLEY A BRAYBOY...RESIDENTIAL
 1028 BARBARA DAVIS...RESIDENTIAL
 1028 LOTUS WATTS...RESIDENTIAL
 1030 JULIE A CANTEY...RESIDENTIAL
 1030 KEVIN WINGATE...RESIDENTIAL
 1030 TIFFANY JONES...RESIDENTIAL
 1032 DEBORAH A CANTEY...RESIDENTIAL
 1100 LAKEISHA BROWN...RESIDENTIAL
 1104 ANGELA JAMES...RESIDENTIAL
 1104 CYNTHIA MILES...RESIDENTIAL
 1106 NANCY MCLEOD...RESIDENTIAL
 1106 TERESA BURGESS...RESIDENTIAL
 1108 EMMA WARR...RESIDENTIAL
 1110 BARBARA JOHNSON...RESIDENTIAL
 1110 BARBRA JOHNSON...RESIDENTIAL
 1112 MINNIE MCALLISTER...RESIDENTIAL
 1112 SHAIMEK SAULS...RESIDENTIAL
 1114 VONDELL SHULER...RESIDENTIAL
 1116 C JOHNSON...RESIDENTIAL
 1117 HOUSING AUTHORITY PROJECT OFC...HOUSING AUTHORITIES
 1117 RESIDENT OPPORTUNITY CTR...HOUSING AUTHORITIES
 1118 WANDA GORE...RESIDENTIAL
 1120 DEBRA HICKSON...RESIDENTIAL
 1120 PRISCILLA FORD...RESIDENTIAL

Part 2 of 2

1122 GINA D GRAHAM...RESIDENTIAL
 1124 BEMADETTE S ROBINSON...RESIDENTIAL
 1126 CORRISTINE BROWN...RESIDENTIAL
 1126 GERALDINE BENJAMIN...RESIDENTIAL
 1128 LYNN ROSS...RESIDENTIAL
 1128 SHUSHELIA DAVIS...RESIDENTIAL
 1129 GLORIA M HICKS...RESIDENTIAL
 1129 SHARON D SIMMONS...RESIDENTIAL
 1130 K PIPKINS...RESIDENTIAL
 1130 TONY DICKERSON...RESIDENTIAL
 1132 KEITH B CORBIN...RESIDENTIAL
 1133 SAMANTHA Y MULDROW...RESIDENTIAL
 1134 BARBARA SCOTT...RESIDENTIAL
 1134 THEOLA WILLIAMS...RESIDENTIAL
 1200 JOHN W WILDER...RESIDENTIAL
 1200 TORI WILLIAMS...RESIDENTIAL
 1201 GLORIA A BRITT...RESIDENTIAL
 1201 REBECCA G BARTELL...RESIDENTIAL
 1202 ANN GIBSON...RESIDENTIAL
 1204 WILLIE M WRIGHT...RESIDENTIAL
 1206 LAKESHA THOMAS...RESIDENTIAL
 1206 WALTER DOUGLAS...RESIDENTIAL
 1207 LAKEISHA C BLUE...RESIDENTIAL
 1207 OLA GREGG...RESIDENTIAL
 1220 LEOLA ERWIN...RESIDENTIAL
 1220 MARVIN SELF...RESIDENTIAL
 1220 MICHELLE LEWS...RESIDENTIAL
 1220 TOMEKA AUSTIN...RESIDENTIAL
 1222 KELVIN GREENE...RESIDENTIAL
 1222 TION KING...RESIDENTIAL
 1226 DENISE RAINEY...RESIDENTIAL
 1226 DERRICK JR WRIGHT...RESIDENTIAL
 1226 RHONDA PICKENS...RESIDENTIAL
 1226 TASHA DIONE...RESIDENTIAL
 1228 JEANETTE SELLERS...RESIDENTIAL
 1228 MAXINE HARRISON...RESIDENTIAL
 1230 CAPRICE T ABRAMSON...RESIDENTIAL
 1230 DENISE WATSON...RESIDENTIAL
 1230 VANGII K WILLIAMS...RESIDENTIAL
 1232 GLORIA A GIBSON...RESIDENTIAL
 1232 LASHERYL COOPER...RESIDENTIAL
 1234 YOLANDA MORENO...RESIDENTIAL
 1236 JOHN SR HILTON...RESIDENTIAL

816 PEE DEE REGIONAL OFFICE...GOVERNMENT OFFICES-STATE
833 MC ELVEENS AUTO...AUTOMOBILE BODY-REPAIRING & PAINTING
904 MECO INC OF FLORENCE...AUTOMOBILE PARTS & SUPPLIES-MFRS
906 RENTAL UNIFORM SVC...UNIFORM SUPPLY SERVICE
1100 PENSKE TRUCK LEASING...TRUCK RENTING & LEASING
1100 PET DAIRY...DAIRIES
1405 COLLINS FIRE EXTINGUISHER INC...FIRE EXTINGUISHERS (WHOLESALE)
1415 RICKS PAWN SHOP...PAWNBROKERS
1417 ALL PRO AUTO PARTS...AUTOMOBILE PARTS & SUPPLIES-WHOLESALE
1417 PARTS MART...RET & WHOL AUTO & TRUCK PARTS
1501 KEELS FLAG SHOPPE...BANNERS
1501 QUIK PRINT...LITHOGRAPHIC COMMERCIAL PRINTING TYPESETTING SERVICES B
1521 AMERICAN TROPHY CO...TROPHIES AWARDS & MEDALS
1521 AMERICAN TROPHY COMPANY INC...MFG MISC FABRICATED METAL
PRODUCTS RET MISC MERCHANDISE
1521 PALMETTO ETCHWORKS...GLASS-CARVED ORNAMENTAL BEVELED ETC

904 EVERLENA WRIGHT...RESIDENTIAL
904 PHYLLIS Y DANIELS...RESIDENTIAL
904 SEAN CANNON...RESIDENTIAL
910 BETTY KEITH...RESIDENTIAL
912 BEVERLY WILSON...RESIDENTIAL
1002 WILLA BURGESS...RESIDENTIAL
1006 DANITA PACK...RESIDENTIAL
1006 TAMESHA KENNEDY...RESIDENTIAL
1008 MAXINE HARRISON...RESIDENTIAL
1008 SAMUEL CARRAWAY...RESIDENTIAL
1008 THERESA SPARKS...RESIDENTIAL
1018 R LANE...RESIDENTIAL
1026 SHIRLEY A BRAYBOY...RESIDENTIAL
1028 BARBARA WILLIAMSON...RESIDENTIAL
1028 CHARLES & BARBARA DAVIS...RESIDENTIAL
1100 HARRIETT JAMES...RESIDENTIAL
1108 DAN WILLIAMSON...RESIDENTIAL
1108 EUGENE MCCULLOUGH...RESIDENTIAL
1110 SHARON BROCKINGTON...RESIDENTIAL
1114 BRANDI BRUCE...RESIDENTIAL
1117 HOUSING AUTHORITY PROJECT OFC
1117 RESIDENT OPPORTUNITY CTR
1120 BRENDA JACKSON...RESIDENTIAL
1124 P WELLS...RESIDENTIAL
1126 ERNEST ABRAHAM...RESIDENTIAL
1128 NICOLE MURRELL...RESIDENTIAL
1128 SHELBY MURRELL...RESIDENTIAL
1129 CHRISTINA & TERESAH COOPER...RESIDENTIAL
1129 GLORIA M HICKS...RESIDENTIAL
1130 DIONNE D GOODMAN...RESIDENTIAL
1132 EMMA DAVIS...RESIDENTIAL
1204 EDDIE LEE ROSS...RESIDENTIAL
1205 LATASHA FLEMING...RESIDENTIAL
1205 TONYA KEITH...RESIDENTIAL
1207 DEQUIL MACK...RESIDENTIAL
1208 RENEJA JACKSON...RESIDENTIAL
1220 LEOLA ERWIN...RESIDENTIAL
1224 MESHECO WAITERS...RESIDENTIAL
1224 RUBY WRIGHT...RESIDENTIAL
1226 BRENDA WHITE...RESIDENTIAL
1230 C ABRAMSON...RESIDENTIAL
1230 LACHELL MCWHITE...RESIDENTIAL
1232 A V MACK...RESIDENTIAL
1234 TIMOTHY JOHNSON...RESIDENTIAL
1236 JOHN SR HILTON...RESIDENTIAL
1236 SARAH JAMES...RESIDENTIAL

811 MC ELVEEN & GRANGER AUTO ELEC...BRAKE SERVICES
833 MC ELVEEN'S AUTO...INTERIOR REPAIR SERVICES
833 MC ELVEEN'S TOWING SVC...AUTOMOTIVE MAINTENANCE SERVICES
904 MECO INC OF FLORENCE...ENGINE FUELS AND OILS
906 RENTAL UNIFORM SVC...LINEN SUPPLY, NON-CLOTHING
935 FLORENCE PARKS DEPT
1100 FLAV-O-RICH INC
1100 ROLLINS TRUCK RENTAL/LEASING
1405 COLLINS FIRE EXTINGUISHER INC...SAFETY EQUIPMENT AND SUPPLIES
1407 FLORENCE AUTO UPHOLSTERY
1407 J & J LAWN CARE
1415 RICK'S PAWN SHOP
1417 PARTS MART AUTO PARTS
1431 CHURCH STREET TRANSMISSION...ENGINE REPAIR
1431 GUARANTEED AUTO REPAIR...ENGINE REPAIR
1501 QUIK PRINT...PROMOTIONAL PRINTING, LITHOGRAPHIC
1521 AMERICAN TROPHY CO...MEDICAL APPARATUS AND SUPPLIES
1521 BY INVITATION ONLY
1527 BLACK IMAGES HAIR STATION
1535 TRAILS END...ENGINE REPAIR

904 EVERLENA WRIGHT...RESIDENTIAL
904 PHYLLIS Y DANIELS...RESIDENTIAL
904 SEAN CANNON...RESIDENTIAL
910 BETTY KEITH...RESIDENTIAL
912 BEVERLY WILSON...RESIDENTIAL
1002 WILLA BURGESS...RESIDENTIAL
1006 DANITA PACK...RESIDENTIAL
1006 TAMESHA KENNEDY...RESIDENTIAL
1008 MAXINE HARRISON...RESIDENTIAL
1008 SAMUEL CARRAWAY...RESIDENTIAL
1008 THERESA SPARKS...RESIDENTIAL
1018 R LANE...RESIDENTIAL
1026 SHIRLEY A BRAYBOY...RESIDENTIAL
1028 BARBARA WILLIAMSON...RESIDENTIAL
1028 CHARLES & BARBARA DAVIS...RESIDENTIAL
1100 HARRIETT JAMES...RESIDENTIAL
1108 DAN WILLIAMSON...RESIDENTIAL
1108 EUGENE MCCULLOUGH...RESIDENTIAL
1110 SHARON BROCKINGTON...RESIDENTIAL
1114 BRANDI BRUCE...RESIDENTIAL
1117 FLORENCE POLICE NEIGHBORHOOD
1117 HOUSING AUTHORITY PROJECT OFC
1117 RESIDENT OPPORTUNITY CTR
1120 BRENDA JACKSON...RESIDENTIAL
1124 P WELLS...RESIDENTIAL
1126 ERNEST ABRAHAM...RESIDENTIAL
1128 NICOLE MURRELL...RESIDENTIAL
1128 SHELBY MURRELL...RESIDENTIAL
1129 CHRISTINA & TERESAH COOPER...RESIDENTIAL
1129 GLORIA M HICKS...RESIDENTIAL
1130 DIONNE D GOODMAN...RESIDENTIAL
1132 EMMA DAVIS...RESIDENTIAL
1204 EDDIE LEE ROSS...RESIDENTIAL
1205 LATASHA FLEMING...RESIDENTIAL
1205 TONYA KEITH...RESIDENTIAL
1207 DEQUIL MACK...RESIDENTIAL
1208 RENE A JACKSON...RESIDENTIAL
1220 LEOLA ERWIN...RESIDENTIAL
1224 MESHECO WAITERS...RESIDENTIAL
1224 RUBY WRIGHT...RESIDENTIAL
1226 BRENDA WHITE...RESIDENTIAL
1230 C ABRAMSON...RESIDENTIAL
1230 LACHELL MCWHITE...RESIDENTIAL
1232 A V MACK...RESIDENTIAL
1234 TIMOTHY JOHNSON...RESIDENTIAL
1236 JOHN SR HILTON...RESIDENTIAL
1236 SARAH JAMES...RESIDENTIAL

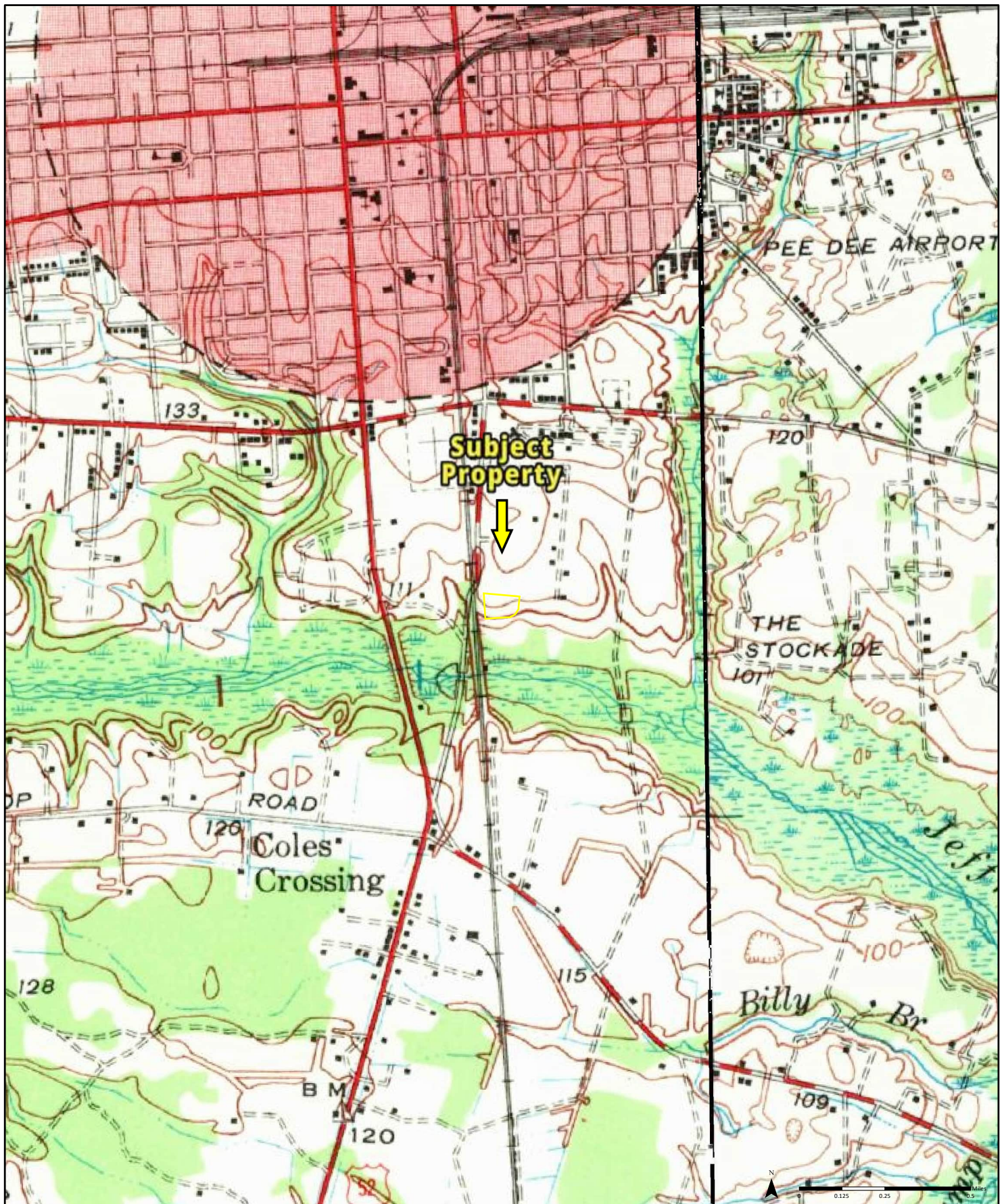
811 MC ELVEEN & GRANGER AUTO ELEC...BRAKE SERVICES
 833 MC ELVEEN'S AUTO...INTERIOR REPAIR SERVICES
 904 MECO INC OF FLORENCE...ENGINE FUELS AND OILS
 906 RENTAL UNIFORM SVC...LINEN SUPPLY, NON-CLOTHING
 1100 FLAV-O-RICH INC
 1100 ROLLINS TRUCK RENTAL LEASING
 1405 COLLINS FIRE EXTINGUISHER INC...SAFETY EQUIPMENT AND SUPPLIES
 1407 FLORENCE AUTO UPHOLSTERY
 1407 J & J LAWN CARE
 1407 SECOND LOOP AUTO UPHOLSTERY
 1415 CLASSIC AUTO GLASS INC...AUTOMOTIVE SERVICING EQUIPMENT
 1415 GLASS & MIRROR SPECIALTIES...GARAGE AND SERVICE STATION
 CONTRACTORS
 1417 PARTS MART AUTO PARTS
 1431 FLORENCE BRAKE & EXHAUST
 1501 QUIK PRINT...PROMOTIONAL PRINTING, LITHOGRAPHIC
 1521 AMERICAN TROPHY CO...MEDICAL APPARATUS AND SUPPLIES
 1521 BY INVITATION ONLY
 1531 D R HOLT PHOTOGRAPHY
 1535 TRAILS END...ENGINE REPAIR

904 CANNON SEAN
 904 DANIELS PHYLLIS Y
 910 KEITH BETTY
 910 THOMAS JUANITA
 910 THOMAS TERESA
 914 COOPER SHEKELIA A
 920 DAVIS S
 922 JAMES ALOMIE
 926 KING G A
 1002 BURGESS WILLA
 1006 PACK DANITA
 1008 BRUNSON KEJO
 1008 CARRAWAY SAMUEL
 1008 HARRISON MAXINE
 1014 MONROE DEBBIE E
 1016 MYERS STEVEN
 1018 COOKS WENDY
 1018 SPEARS JADA
 1026 BRAYBOY SHIRLEY A
 1102 CAMPBELL GURLEY LEE
 1102 WILLIAMS HATTIE M
 1104 SHIELDS OWIDA
 1108 GOODMAN DIONE D
 1108 MCCULLOUGH EUGENE
 1108 WILLIAMSON DAN
 1117 FLORENCE POLICE
 1117 HOUSING AUTHORITY OF FLORENCE (PROJECT OFFICE)
 1117 NEIGHBORHOOD RESOURCE CENTER
 1117 RESIDENT OPPORTUNITY CENTER
 1126 RHODES VERONICA
 1129 COOPER CHRISTINA & TERESAH
 1129 HICKS GLORIA M
 1132 DAVIS EMMA
 1202 BROOKS ANN
 1204 MITCHELL PATRICIA
 1204 ROSS EDDIE LEE
 1207 MACK DEQUIL
 1208 LAW DEBRA A
 1220 ERWIN LEOLA
 1224 CANNON JOSEPH
 1224 WRIGHT RUBY
 1226 WHILE BRENDA
 1230 ABRAMSON C
 1230 MCWHITE LACHELL
 1232 MACK A V
 1234 PEOPLES ELAINE
 1236 HILTON JOHN SR
 1236 JAMES HARRIETT

705 MOSES FLORA
 712 4-WAY SUPERETTE
 811 MCELVEEN & GRANGER AUTO ELECTIC
 817 TOMMY'S GROCERY
 825 HANNA REALTY
 833 HILL SAM FENCES
 833 ORNAMENTAL IRON & GATE WORKS
 833 ORNAMENTAL IRON BY SAM HILL
 833 SAM HILL FENCES
 833 SAM HILL SECURITY SYSTEMS
 904 MECO INC OF FLORENCE
 1090 PARTS MART AUTO PARTS
 1090 PARTS WAREHOUSE INC
 1100 FLAV-O RICH INC
 1405 COLLINS FIRE EXTINGUISHER INC
 1407 FLORENCE AUTO UPHOLSTERY
 1407 SECOND LOOP AUTO UPHOLSTERY
 1431 FLORENCE BRAKE & EXHAUST
 1499 SOUTHSIDE FARMERS MARKET
 1501 PLASTI-MAGIC PRINTING
 1521 AMERICAN TROPHY COMPANY INC
 1521 BY INVITATION ONLY
 1527 VALERIE'S PAMPERED PETS
 1531 LM ATTACHMENTS
 1535 TRAILS END TUNE-UP SHOP

904 CANNON SHAEN
 906 GILCHRIST JAMES
 914 HAM AVERY-R
 916 HENRY TONYA
 924 HINES VERNIE G
 1000 GREGG MARIET
 1016 MYERS JAME
 1016 MYERS STEVEN
 1102 CAMERON GERTIE(A)-R
 1104 SHIELDS OVIDA-R
 1108 MULTI TENANT RESIDENTIAL
 1112 DAVIS TYRONE-R
 1114 WHITE HANNA
 1114 WHITE LARRY
 1117 FLORENCE POLICE & NEIGHBORHOOD
 1117 HOUSING AUTHORITY OF FLORENCE
 1117 PROJECT OFFICE
 1117 RESIDENT OPPORTUNITY CENTER
 1120 REDOEN ANASTASTIC
 1120 WILLIAMS RULEA
 1132 DAVIS EMMA
 1132 DAVIS SHAWANDA
 1132 DAVIS VONNI
 1200 DARBY LAURA
 1203 JOHNSON CLAUDIA
 1204 MITCHELL PATRICIA-R
 1204 MITCHELL TRENIYAYNE-R
 1226 WHITE BRENDA-R
 1234 RAINGE M R
 1236 HILTON JOHN-R
 3608 DAVIS JOYCE-R
 9125 SELLERS SARAH-R

712	F WAY SUPERETTE
811	MCELVEEN & GRANGER AUTO ELECIR
816	SOUTH CAROLINA STATE OF-YOUTH
817	CALCUTT GROCERY & BAIT SHOP
825	HANNA REALTY
833	HILL SAM FENCING INC
833	ORNAMENTAL IRON BY SAM HILL
833	SAM HILL SECURITY SYSTEMS
904	MECO INCOPORATED OF FLORENCE
906	RENTAL UNIFORM SERVICE
1090	PARTS MART AUTO PARTS
1090	PARTS WAREHOUSE INC
1100	FLAV-O-RICH INC
1405	COLLINS FIRE EXTINGUISHER INC
1407	FLORENCE AUTO UPHOLSTERY
1407	SECOND LOOP AUTO UPHOLSTERY
1431	FLORENCE BRAKE & EXHAUST
1501	PLASTI MAGIC PRINTING
1521	AMERICAN TROPHY COMPANY INC
1521	BY INVITATION ONLY
1527	VALERIES PAMPERED PETS
1535	TRAILS END TUNE-UP SHOP



1940

Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 24073001051

Source: USGS 15 Minute Topographic Map

PARTNER



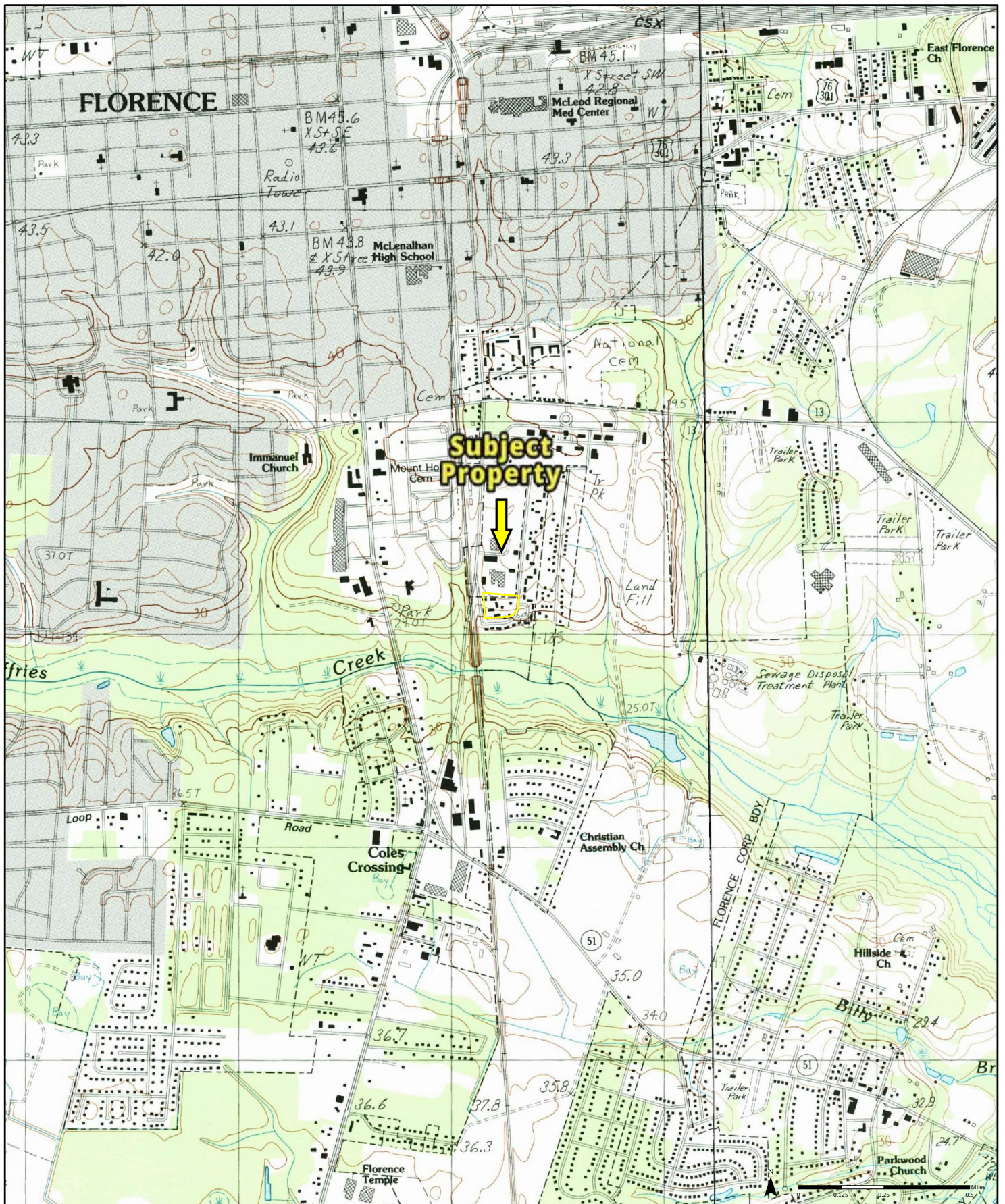
1945

Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 24073001051

Source: USGS 15 Minute Topographic Map

PARTNER



1986

(1-1986)
Aerial Photo Year: 1977

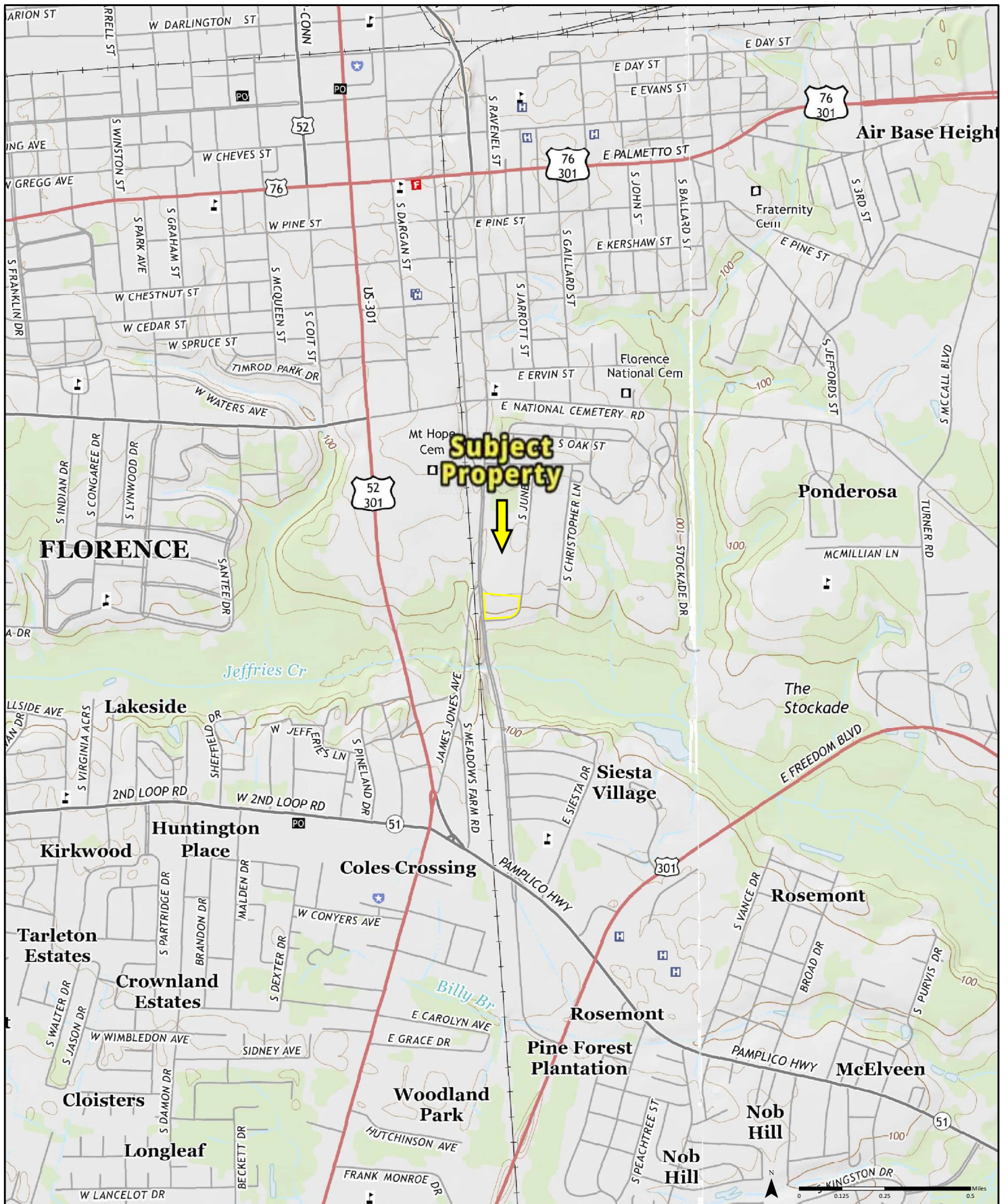
(2-1986)
Aerial Photo Year: 1977

Quadrangle(s): Florence West, SC(2-1986)
Florence East, SC(1-1986)

Order No. 24073001051

Source: USGS 7.5 Minute Topographic Map

PARTNER



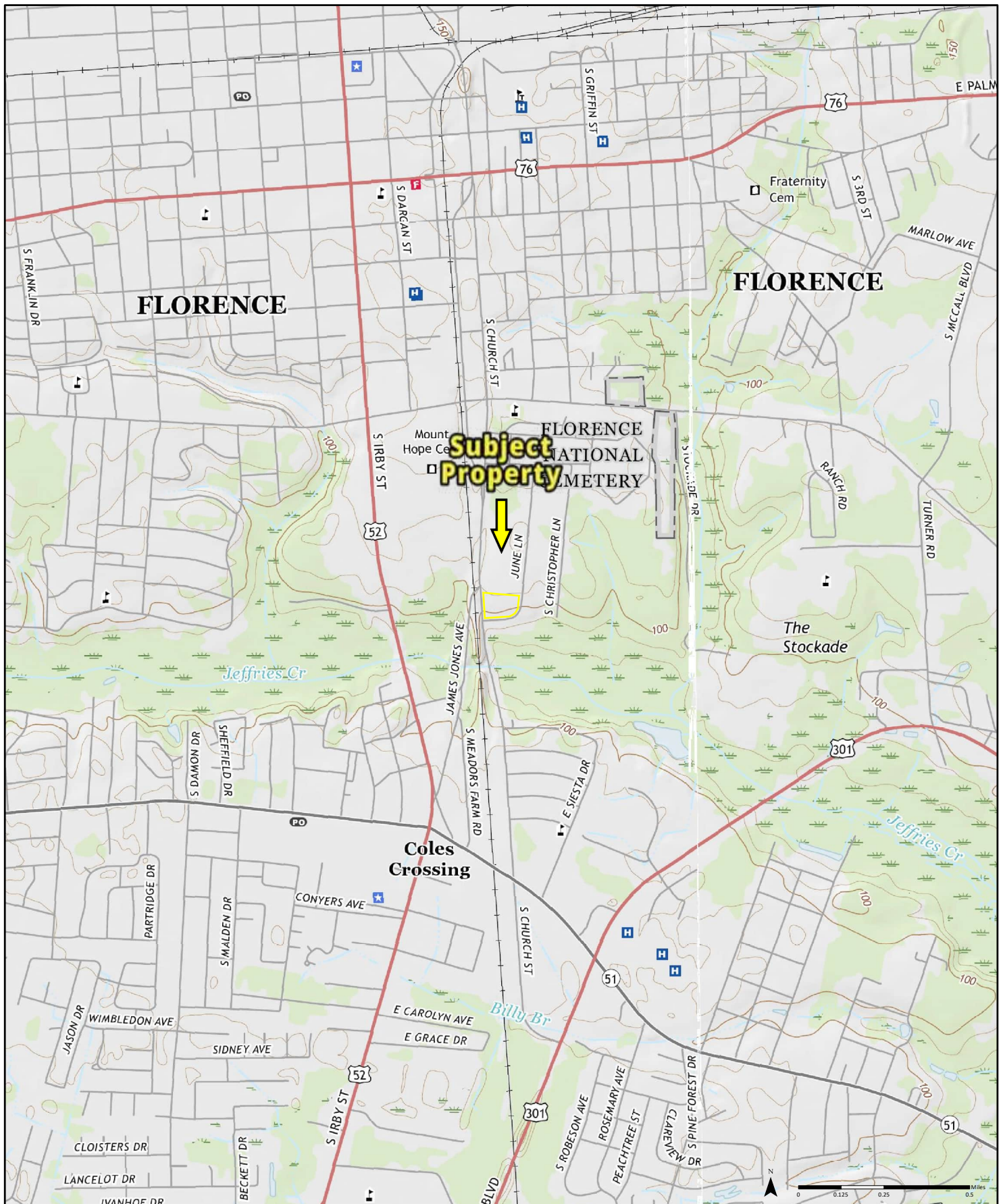
2014

Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 24073001051

Source: USGS 7.5 Minute Topographic Map

PARTNER



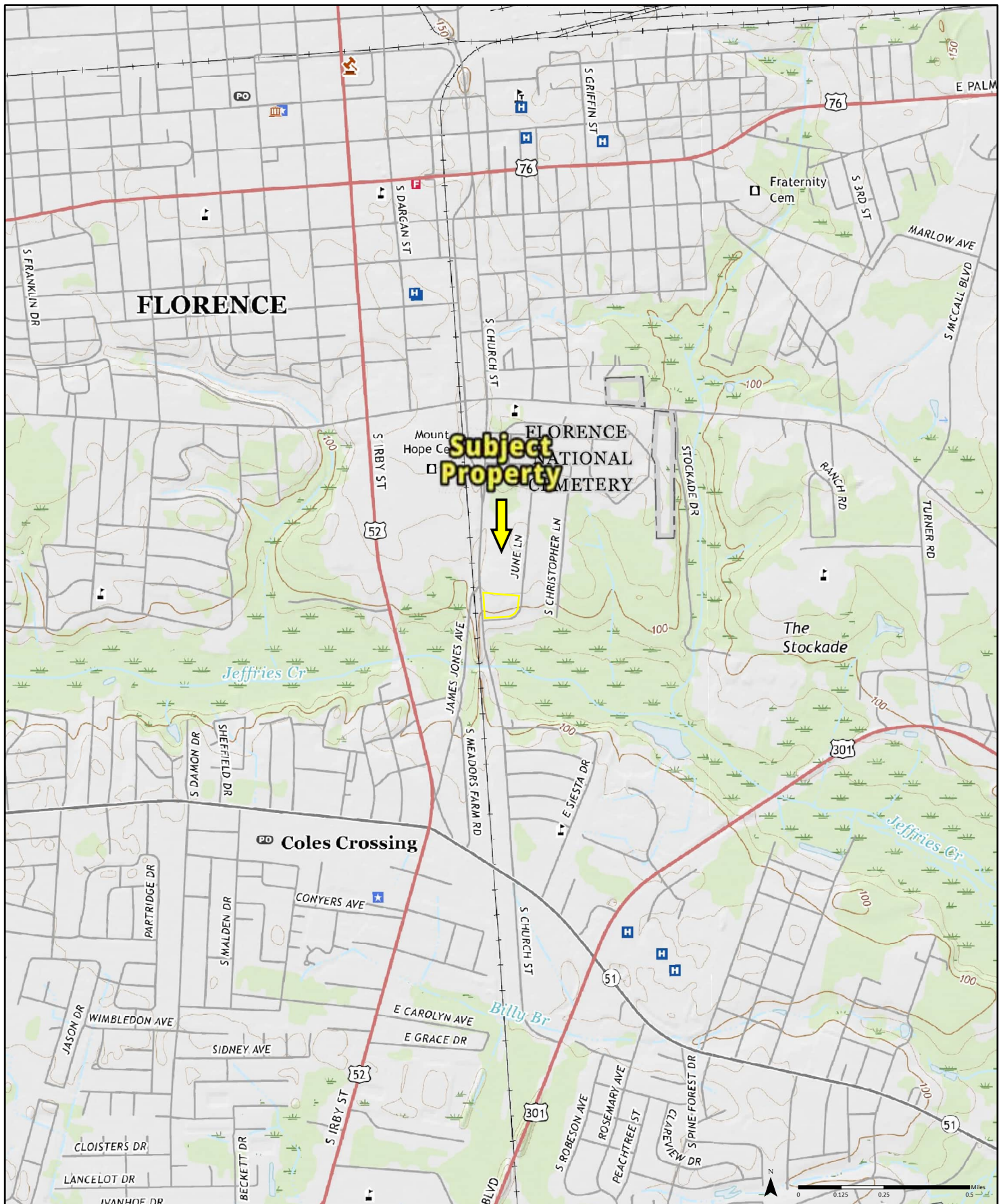
2017

Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 24073001051

Source: USGS 7.5 Minute Topographic Map

PARTNER



2020

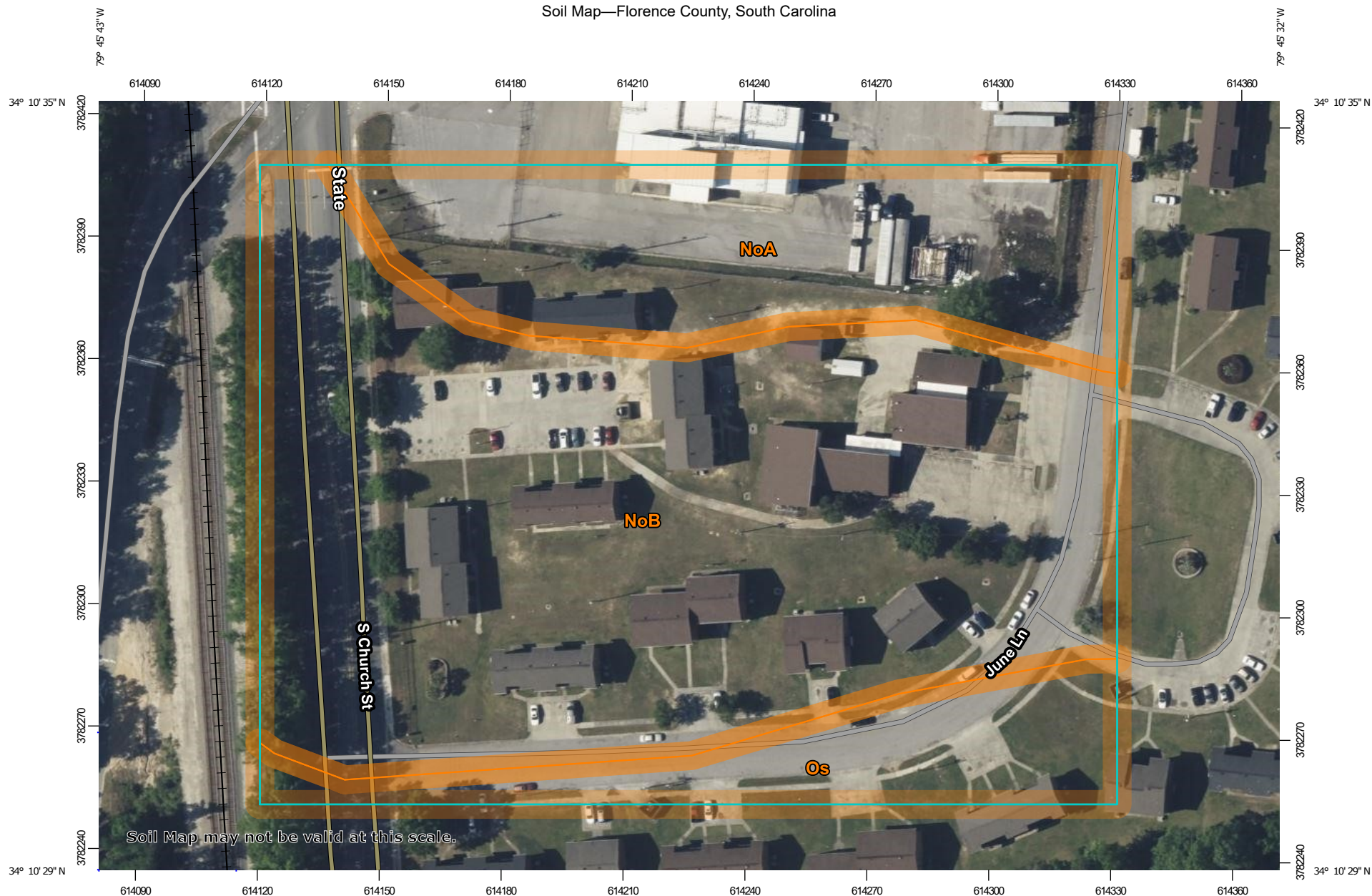
**Quadrangle(s): Florence West, SC
Florence East, SC**

Order No. 24073001051

Source: USGS 7.5 Minute Topographic Map

PARTNER

Soil Map—Florence County, South Carolina



Map Scale: 1:1,330 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84




**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

8/8/2024
Page 1 of 3


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Florence County, South Carolina

Survey Area Data: Version 27, Aug 29, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
NoA	Norfolk loamy sand, 0 to 2 percent slopes	1.9	22.9%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	5.4	66.0%
Os	Osier loamy sand	0.9	11.2%
Totals for Area of Interest		8.2	100.0%

Florence County, South Carolina

NoB—Norfolk loamy sand, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 4c7m

Elevation: 20 to 150 feet

Mean annual precipitation: 40 to 58 inches

Mean annual air temperature: 63 to 72 degrees F

Frost-free period: 230 to 240 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Norfolk and similar soils: 90 percent

Minor components: 6 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Norfolk

Setting

Landform: Marine terraces

Landform position (three-dimensional): Tread

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 8 inches: loamy sand

E - 8 to 13 inches: loamy sand

Bt1 - 13 to 68 inches: sandy clay loam

Bt2 - 68 to 80 inches: sandy clay loam

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: About 48 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Moderate (about 7.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: B

Ecological site: F153AY030NC - Dry Loamy Rises and Flats

Hydric soil rating: No

Minor Components

Coxville

Percent of map unit: 2 percent

Landform: Marine terraces, flats, depressions

Landform position (three-dimensional): Tread

Down-slope shape: Linear, concave

Across-slope shape: Linear, concave

Ecological site: F153AY065NC - Wet Clay Flats and Depressions

Hydric soil rating: Yes

Pantego

Percent of map unit: 2 percent

Landform: Marine terraces, flats, depressions

Landform position (three-dimensional): Tread

Down-slope shape: Linear, concave

Across-slope shape: Linear, concave

Ecological site: F153AY060NC - Wet Loamy Flats and Depressions

Hydric soil rating: Yes

Rains

Percent of map unit: 2 percent

Landform: Marine terraces, flats, depressions

Landform position (three-dimensional): Tread

Down-slope shape: Linear, concave

Across-slope shape: Linear, concave

Ecological site: F153AY060NC - Wet Loamy Flats and Depressions

Hydric soil rating: Yes

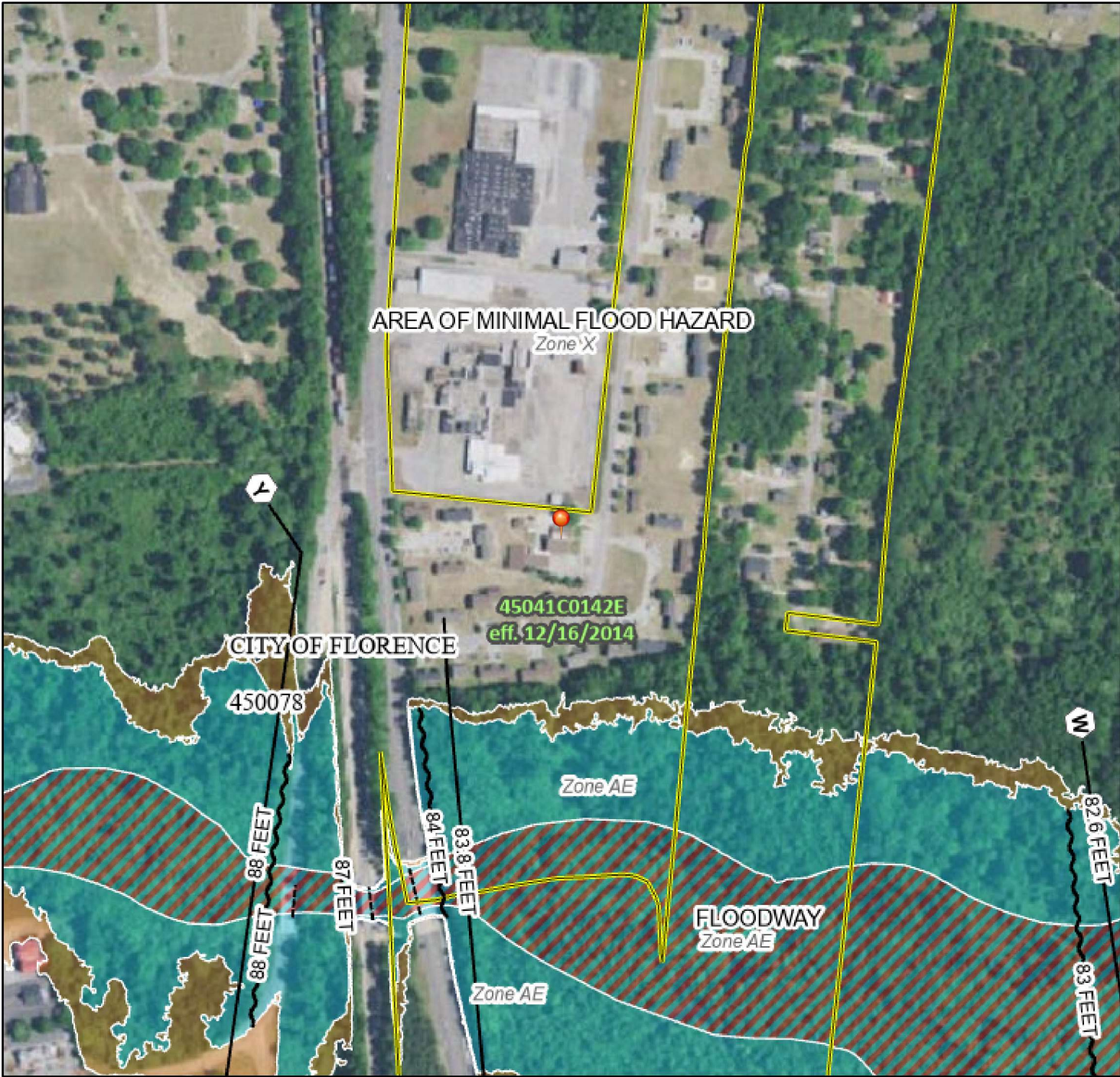
Data Source Information

Soil Survey Area: Florence County, South Carolina

Survey Area Data: Version 27, Aug 29, 2023

National Flood Hazard Layer FIRMeTte

79°45'54"W 34°10'48"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/19/2024 at 1:59 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Alexandra Arnett <acc.cdaenv@gmail.com>

FOIA Request

1 message

Alexandra Arnett <acc.cdaenv@gmail.com>
To: %20FOIARequest@florenceco.org

Wed, Aug 7, 2024 at 3:25 PM

To whom it may concern,

I have attached the FOIA request form to this email. We are performing a phase one on a property in your jurisdiction and need some background information.

--

Thanks,

Alexandra Arnett, Office Manager
CDA Environmental LLC

**FOIA New Form 04182023.pdf**
467K



Freedom of Information Request Form

Customer Service: (803) 898-3882

Date: 7/31/2024

Internal request number: _____

Contact information

Name: Alexandra Arnett Company/Organization: Partner
Street address: P.O. Box 44228 City: Charlotte State: NC Zip Code: 28215
Phone number: 704-743-6615 Email address: acc.cdaenv@gmail.com

Request information

I'm requesting: ☐ Specific documents ☐ File review

Facility or project name: June Lane Site

Facility address: 1117 June Lane Florence, SC 29506

County: York

DHEC file custodian/staff contact if known: _____

Description of documents or files requested:

Partner Engineering and Science, Inc. is conducting an Environmental Site Assessment and/or a Property Capital Needs Assessment, of the above cited property on behalf of a financial services client. As part of the investigation, we are requesting, under the Freedom of Information Act, and all appropriate local and Federal regulations, copies of any and all records you have for the above-referenced property pertaining to the following: Current or historical use of hazardous materials and/or hazardous waste Groundwater monitoring wells Current or historical clarifiers, oil/water separators, grease traps, interceptors Incidents of lead or asbestos, fires, leaks [USTs/ASTs] and spills Code Violations or Notices to Comply.

Family Privacy Protection Act statement

The Family Privacy Protection Act, SC Code Section 30-2-50, prohibits any person or private entity from knowingly obtaining or using any personal information obtained from our agency for commercial solicitation directed to any person in the State. Violation of this law is a crime.

I have read and understand this statement. I am not requesting personal information for the purposes of commercial solicitation or in violation of law.

Signed:  _____

Submit requests: Email: foi@dhec.sc.gov • Fax: (803) 898-3816 • Mail: FOI Office, 2600 Bull St., Columbia, S.C. 29201

Office Use Only: Date completed: _____

Billing info: Research: Time: _____ Cost: _____

Description: _____

Services: ☐ Scan #: _____ ☐ WebX documents #: _____ ☐ Hard copies #: _____ ☐ CD duplication #: _____

☐ Other: _____

Delivery options: ☐ Pick up ☐ Emailed ☐ Mailed ☐ Other: _____ **Total charge:** _____

Instructions for Completing DHEC Form 2295

Purpose: This form is used to obtain records under of the SC Freedom of Information Act

Who completes the form: Any person seeking review or copies of public records of the Department.

Instructions:

1. Fill out the top portion of the form by providing complete contact information. We may contact you to obtain additional information necessary to fulfill your request. Please provide a telephone number where you can be reached between 8:30 a.m. to 5 p.m., Monday through Friday.
2. Provide as much information about the desired documents as possible.
3. Read and sign the Family Privacy Protection Act statement.

Submit the form: E-mail (foi@dhec.sc.gov), fax (803-898-3816) or mail (FOI, 2600 Bull Street, Columbia, SC 29201) completed form to the FOI Office.

Contact Information

For additional information, contact the:
Freedom of Information Center
South Carolina Department of Health and Environmental Control (DHEC)
2600 Bull Street
Columbia, SC 29201
(803) 898-3882



Brandon Queen <bqueen.cdaenv@gmail.com>

FOIA Request Form

1 message

Brandon Queen <bqueen.cdaenv@gmail.com>

Thu, Aug 7, 2024 at 4:22 PM

To: foi@dhec.sc.gov

Please see the attached FOIA request for three properties located in Florence, South Carolina.

One currently shows no violations, while two show LUST and VCP Brownfields listings.

Thanks,

Brandon S. Queen
Operations Manager
Certified Mold Inspector #82232
NC Asbestos Inspector #13095
SC Asbestos Inspector #BI-01687
Radon Measurement Professional #112604-RMP
Commercial/Residential Energy Consultant
CDA Environmental, LLC
Cell Phone: 980-275-0754
www.cdaenvironmental.com



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Follow us on Facebook!

**SCDHEC FOIA Request Form.pdf**

437K



Freedom of Information Request Form

Customer Service: (803) 898-3882

Date: 8/7/2024

Internal request number: _____

Contact information

Name: Alexandra Arnett Company/Organization: Partner
Street address: P.O. Box 44228 City: Charlotte State: NC Zip Code: 28215
Phone number: 704-743-6615 Email address: acc.cdaenv@gmail.com

Request information

I'm requesting: ☐ Specific documents ☒ File review

Facility or project name: June Lane Site

Facility address: 1117 June Lane Florence, SC 29506

County: York

DHEC file custodian/staff contact if known: _____

Description of documents or files requested:

Partner Engineering and Science, Inc. is conducting an Environmental Site Assessment and/or a Property Capital Needs Assessment, of the above cited property on behalf of a financial services client. As part of the investigation, we are requesting, under the Freedom of Information Act, and all appropriate local and Federal regulations, copies of any and all records you have for the above-referenced property pertaining to the following: Current or historical use of hazardous materials and/or hazardous waste Groundwater monitoring wells Current or historical clarifiers, oil/water separators, grease traps, interceptors Incidents of lead or asbestos, fires, leaks [USTs/ASTs] and spills Code Violations or Notices to Comply.

Additional Address:

1100 South Church Street, Florence, South Carolina
906 South Church Street, Florence, South Carolina

Family Privacy Protection Act statement

The Family Privacy Protection Act, SC Code Section 30-2-50, prohibits any person or private entity from knowingly obtaining or using any personal information obtained from our agency for commercial solicitation directed to any person in the State. Violation of this law is a crime.

I have read and understand this statement. I am not requesting personal information for the purposes of commercial solicitation or in violation of law

Signed:  _____

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Office Use Only: Date completed: _____

Billing info: Research: Time: _____ Cost: _____

Description: _____

Services: ☐ Scan #: _____ ☐ WebX documents #: _____ ☐ Hard copies #: _____ ☐ CD duplication #: _____

☐ Other: _____

Delivery options: ☐ Pick up ☐ Emailed ☐ Mailed ☐ Other: _____ **Total charge:** _____

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Submit the form: E-mail (foi@dhec.sc.gov), fax (803-898-3816) or mail (FOI, 2600 Bull Street, Columbia, SC 29201) completed form to the FOI Office.

Contact Information

For additional information, contact the:
Freedom of Information Center
South Carolina Department of Health and Environmental Control (DHEC)
2600 Bull Street
Columbia, SC 29201
(803) 898-3882



Contact the City of Florence

Thank you for visiting the City of Florence website. We have received your message and will be in touch within 24 hours with the exception of weekends and holidays. Hours of operation are Monday - Friday, 8:30am to 5:00pm, EST.

If you are reaching out regarding a non-emergency police issue, please call 843-665-3191. If you have a water/sewer (Utilities) or Public Works issue, please call 843-665-3236. Phone lines are manned by city personnel 24/7 who have access to shift and on call personnel. For emergencies, please call 9-1-1.

Name

Alexandra Arnett

Email

acc.cdaenv@gmail.com

Phone

(704) 743-6615

Address

P.O. Box 44228, Charlotte, NC 28215, United States

Message

Planning Department
Just need to verify the zoning designation for the
subject property below:
1117 June Lane
Florence, SC 29506

Upload Files:



Alexandra Arnett <acc.cdaenv@gmail.com>

Fire Property Information

1 message

Alexandra Arnett <acc.cdaenv@gmail.com>
To: cjohnson@cityofflorence.com

Wed, Aug 7, 2024 at 3:49 PM

Chris,

I am Alex Arnett with CDA Environmental LLC, subcontracting for Partner. We are conducting a Phase One on a property in your jurisdiction. I am collecting some background information. I need to know if there are any records regarding fires, hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property below:

1117 June Lane
Florence, SC 29506

--
Thanks,

Alexandra Arnett, Office Manager
CDA Environmental LLC



Alexandra Arnett <acc.cdaenv@gmail.com>

RE: Contact the City of Florence - Alexandra Arnett

1 message

Lauren Page <lpage@cityofflorence.com>
To: "acc.cdaenv@gmail.com" <acc.cdaenv@gmail.com>

Thu, Aug 8, 2024 at 3:39 PM

Good afternoon,

Thank you for contacting the City of Florence via website. Per the Fire Department records, there was a grass fire in 2008 and hazardous spills, storage, or releases for the property 1117 June Lane. Additional questions may be directed to (843) 665-3231.

Thank you,

Lauren Page | Administrative Coordinator

City Manager's Office

City of Florence | [324 West Evans Street](#)

P: (843) 665-3113 ext. 1264 | E: lpage@cityofflorence.com



From: Contact the City of Florence <notifications@cognitoforms.com>

Sent: Wednesday, August 7, 2024 3:31 PM

To: Amanda Pope <apope@cityofflorence.com>; Maggie Reames <mreames@cityofflorence.com>; Casey Moore <ccmoore@cityofflorence.com>; Lauren Page <lpage@cityofflorence.com>

Subject: Contact the City of Florence - Alexandra Arnett

CAUTION: This email originated from outside the City of Florence. Maintain caution when opening external links/attachments.

CAUTION: This email originated from outside the City of Florence. Maintain caution when opening external links/attachments.

City of Florence

Contact the City of Florence

[View full entry at CognitoForms.com.](#)

Entry Details

NAME	Alexandra Arnett
EMAIL	acc.cdaenv@gmail.com
PHONE	(704) 743-6615
ADDRESS	P.O. Box 44228, Charlotte, NC 28215, United States
MESSAGE	<p>Are there any records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property below:</p> <p>1117 June Lane Florence, SC 29506</p>



Alexandra Arnett <acc.cdaenv@gmail.com>

1117 June Lane zoning

2 messages

Alane Zlotnicki <azlotnicki@cityofflorence.com>
To: "acc.cdaenv@gmail.com" <acc.cdaenv@gmail.com>

Wed, Aug 7, 2024 at 3:48 PM

Good afternoon,

Your question about the zoning designation for 1117 June Lane here in Florence was forwarded to me. That parcel is zoned Neighborhood Conservation-6.3 (NC-6.3). That is a zoning district that permits multi-family development.

Let me know if you need a formal zoning verification letter.

Thank you,

Alane Zlotnicki, AICP

Senior Planner

City of Florence, SC

843.665.2047 Ext. 1101



Alexandra Arnett <acc.cdaenv@gmail.com>
To: Alane Zlotnicki <azlotnicki@cityofflorence.com>

Wed, Aug 7, 2024 at 3:50 PM

Thank you for the information!

[Quoted text hidden]

--

Thanks,

Alexandra Arnett, Office Manager
CDA Environmental LLC

Florence County, SC

Parcel Information

Parcel Number

00149-01-006

Location Address

1117 JUNE LN

Legal Description

OFF CHURCH ST

(Note: Not to be used on legal documents)

Deeded Acres

0.00

Property Use

CI COMMERCIAL IMPROVED

Tax District

110 CITY OF FLORENCE

Homestead

N

[View Map](#)

Owner

[HOUSING AUTHORITY OF FLORENCE](#)
PO DRAWER 969
FLORENCE SC 29503

Certified 2023 Tax Year Value Information

+	Land Value	\$50,000
+	Improvement Value	\$0
+	Miscellaneous Value	\$0
=	Total Appraised Value	\$50,000

Tax Collector

Tax Collector

No data available for the following modules: Residential Buildings, Miscellaneous Improvements, Sales.

Florence County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.

| [User Privacy Policy](#)

| [GDPR Privacy Notice](#)

Last Data Upload: [8/6/2024, 8:39:26 PM](#)

[Contact Us](#)



Florence County, SC

Parcel Information

Parcel Number	00149-01-007
Location Address	60000
Legal Description	CHURCH HILL
	(Note: Not to be used on legal documents)
Deeded Acres	0.00
Property Use	CI COMMERCIAL IMPROVED
Tax District	110 CITY OF FLORENCE
Homestead	N

[View Map](#)

Owner

[HOUSING AUTHORITY OF FLORENCE](#)
PO DRAWER 969
FLORENCE SC 29503

Certified 2023 Tax Year Value Information

+ Land Value	\$350,000
+ Improvement Value	\$0
+ Miscellaneous Value	\$0
= Total Appraised Value	\$350,000

Tax Collector

Tax Collector

No data available for the following modules: Residential Buildings, Miscellaneous Improvements, Sales.

Florence County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.
[User Privacy Policy](#) | [GDPR Privacy Notice](#)
[Last Data Upload: 8/12/2024, 9:10:48 AM](#)

[Contact Us](#)



Date: Aug 07, 2024

Florence County Taxes Inquiry

Time: 14:41

Map/Block/Parcel 00149 01 006

Property Card File

Year 2017 File

Close This Window

FLORENCE COUNTY TAX ASSESSOR

Property Card Record for MBP: 00149-01-006 TAX YEAR: 2023 9/16/23 8:31:34 PAGE: 15895

----- PROPERTY LOCATION Address -----== PROPERTY BILLING NAME/ADDRESS ==

Number: 01117 Suffix:

Street Name: JUNE Street Suffix: LN HOUSING AUTHORITY OF

City: FLORENCE State: SC Zip: 00000 0000 FLORENCE

District: 110 Land Class: CI COMMERCIAL IMPROVED PO DRAWER 969

Legal Desc: OFF CHURCH ST FLORENCE SC 29503

Land Characteristic Selections

01 Topography 1 Level

02 Street 1 Paved

03 Utilities 1 All Public Utilities

04 Fronting Traffic 4 Med.

05 Ownership 2 Unknown

L A N D Gross Acres: Site Value .00

--- Totals for MBP ---

Buildings: 0 Building Value: .00 Land Market Value: 50,000.00

Market Acres: .00 Use Acres: .00 Land Use Value: .00

Bld/Land Use Total: .00 Bld/Land Mar.Total: 50,000.00 6% Bld Value: 0 # of 6% Blds: 0

Rental Acres: 0 Rental Acres Value: 0 Ren.Acres-Mar: 0 Ren.Acres Value-Mar: 0

Date: Aug 13, 2024

Florence County Taxes Inquiry

Time: 10:46

Map/Block/Parcel 00149 01 007

Property Card File

Year 2017 File

Close This Window

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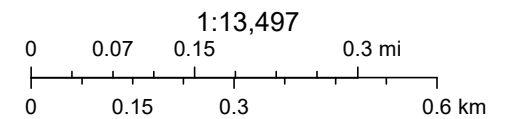
FLORENCE COUNTY TAX ASSESSOR
Property Card Record for MBP: 00149-01-007  TAX YEAR: 2023    9/16/23    8:31:34    PAGE: 15896
----- PROPERTY LOCATION Address -----== PROPERTY BILLING NAME/ADDRESS ==
Number: 60000  Suffix:
Street Name: 00000000  Street Suffix:
City:  State:  Zip: 00000 0000  HOUSING AUTHORITY OF
District: 110  Land Class: CI COMMERCIAL IMPROVED  FLORENCE
Legal Desc: CHURCH HILL  PO DRAWER 969
Land Characteristic Selections  FLORENCE SC  29503
01 Topography 1 Level
02 Street 1 Paved
03 Utilities 1 All Public Utilities
04 Fronting Traffic 4 Med.
05 Ownership 2 Unknown
L A N D Gross Acres: Site Value .00
-----
--- Totals for MBP ---
# Buildings: 0 Building Value: .00 Land Market Value: 350,000.00
Market Acres: .00 Use Acres: .00 Land Use Value: .00
Bld/Land Use Total: .00 Bld/Land Mar.Total: 350,000.00 6% Bld Value: 0 # of 6% Blds: 0
Rental Acres: 0 Rental Acres Value: 0 Ren.Acres-Mar: 0 Ren.Acres Value-Mar: 0

```


Untitled map



8/6/2024



Site Information For N-03371 PET DAIRY

Basic

Business Address	1100 S CHURCH ST FLORENCE SC 29506	County	FLORENCE
Category		Phone	843-665-6866
Tank Owner Business Address	FLAV O RICH DAIRY PO BOX 3785 EAU CLAIR STATION COLUMBIA SC 29230-3785	Last Inspection	
Land Owner Business Address		Tank Owner Phone	
Operator Business Address		Land Owner Phone	
		Operator Phone	

Tanks	5	Billable	0	Abandoned	5	Other	0
--------------	---	-----------------	---	------------------	---	--------------	---

Financial Responsibility

[Show/hide financials](#)

No financial responsibility data found for this site.

Tanks

[Show/hide tanks](#)

Tank Num.	1						
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested	
				Pipe Protect.		Tested	
Notify	5/27/1987	Capacity	10000	Tank Cont. Meth.	Single wall	Pipe Cont. Meth.	Single wall
Variance		Product	Diesel fuel	Overfill type		Verified	
						Piping type	
Compliance		Comp. Status		Age at Notification	25	Dist. to Well (feet)	
Spill Prevention		Left Gal.		Owner at ABD	PET DAIRY	Last Use	
Aband.	4/8/1993	Method	Removed	CAS No.		Chem.	
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.	

Tank Num.	2						
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested	
				Pipe Protect.		Tested	
Notify	5/27/1987	Capacity	8000	Tank Cont. Meth.	Single wall	Pipe Cont. Meth.	Single wall
Variance		Product	Gasoline	Overfill type		Verified	
						Piping type	
Compliance		Comp. Status		Age at Notification	25	Dist. to Well (feet)	
Spill Prevention		Left Gal.		Owner at ABD	PET DAIRY	Last Use	
Aband.	4/8/1993	Method	Removed	CAS No.		Chem.	
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.	

Tank Num.	3						
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested	
				Pipe Protect.		Tested	
Notify	5/27/1987	Capacity	10000	Tank Cont. Meth.	Single wall	Pipe Cont. Meth.	Single wall
Variance		Product	Diesel fuel	Overfill type		Verified	
						Piping type	
Compliance		Comp. Status		Age at Notification	20	Dist. to Well (feet)	
Spill Prevention		Left Gal.		Owner at ABD	PET DAIRY	Last Use	
Aband.	4/8/1993	Method	Removed	CAS No.		Chem.	
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.	

Tank Num.	4						
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested	
				Pipe Protect.		Tested	
Notify	5/27/1987	Capacity	10000	Tank Cont. Meth.	Single wall	Pipe Cont. Meth.	Single wall
Variance		Product	Diesel fuel	Overfill type		Verified	
						Piping type	

Compliance		Comp. Status		Age at Notification	20	Dist. to Well (feet)	
Spill Prevention		Left Gal.		Owner at ABD	PET DAIRY	Last Use	
Aband.	4/8/1993	Method	Removed	CAS No.		Chem.	
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.	

Tank Num.	5						
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested	
				Pipe Protect.		Tested	
Notify	5/27/1987	Capacity	500	Tank Cont. Meth.	Single wall	Pipe Cont. Meth.	Single wall
Variance		Product	Waste oil, burnt oil, used oil	Overfill type		Verified	
						Piping type	
Compliance		Comp. Status		Age at Notification	15	Dist. to Well (feet)	
Spill Prevention		Left Gal.		Owner at ABD	PET DAIRY	Last Use	
Aband.	4/8/1993	Method	Removed	CAS No.		Chem.	
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.	

Releases

[Show/hide releases](#)

Release No.	1						
Reported	4/9/1993	Status		Product		Compliance Req?	False
NFA	11/18/1993	Fin Type	Unknown	RBCA / Score	/	Compliance Met	False
Confirmed	11/9/1993	Emergency Resp.		Superb Qualified		Compliance Date	
Cleanup Initiated	11/9/1993	Abatement Met	4/8/1993	Superb Determ. Date		Fin. Res. Mechanism	
Cleanup Complete	11/18/1993	Transferred		Project Manager	DUBOIS, PAMELA M		
Cleanup > MCL		Source	UST	Responsible Party	MID-AMERICA DAIRYMEN INC		

Public Record

To access a version of Public Record that does not require Javascript, CSS, and works better with accessibility technology, click [here](#).

[Click here to display instructions.](#)

[Back to Results](#)

Details

Facility Site Name	LAND-O-SUN DAIRIES LLC
Owner	LAND-O-SUN DAIRIES LLC
Location	1100 S CHURCH ST FLORENCE, SC 29506 (Florence) Lat/Long:34.17678, -79.76061
Project Status Code	COMP
Dates	Voluntary Cleanup Contract executed on 10/15/2020. Restrictions recorded on Not yet recorded.. Project not yet completed.
File Number	58068
Land Use Restrictions	We do not have enough information yet to determine whether restrictions will be required.
Contimination On Site	Volatile Organic Compounds
Additional Info	Brownfields Type: . Funds 128(a) Utilized: No. Response Action Planned: No. Acerage: 9.05.

[Back to Results](#)

Site Information For N-14312 RENTAL UNIFORM SERVICE

Basic

Business Address	906 S CHURCH ST FLORENCE SC 29504	County	FLORENCE
Category		Phone	843-669-4444
Tank Owner Business Address	RENTAL UNIFORM SERVICE PO BOX 12410 FLORENCE SC 29504-0410	Last Inspection	
Land Owner Business Address		Tank Owner Phone	843-669-4444
Operator Business Address		Land Owner Phone	
		Operator Phone	

Tanks	4	Billable	0	Abandoned	4	Other	0
--------------	---	-----------------	---	------------------	---	--------------	---

Financial Responsibility

[Show/hide financials](#)

No financial responsibility data found for this site.

Tanks

[Show/hide tanks](#)

Tank Num.	1						
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const.	Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested	
				Pipe Protect.		Tested	
Notify		Capacity	20000	Tank Cont. Meth.	Single wall	Pipe Cont. Meth.	Single wall
Variance		Product	Gasoline	Overfill type		Verified	
						Piping type	
Compliance		Comp. Status		Age at Notification		Dist. to Well (feet)	
Spill Prevention		Left Gal.		Owner at ABD	RENTAL UNIFORM SERVICE	Last Use	
Aband.	12/13/1991	Method	Removed	CAS No.		Chem.	
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.	

Tank Num.	2					
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const. Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested
				Pipe Protect.		Tested
Notify		Capacity	20000	Tank Cont. Meth.	Single wall	Pipe Cont. Meth. Single wall
Variance		Product	Diesel fuel	Overfill type		Verified
						Piping type
Compliance		Comp. Status		Age at Notification		Dist. to Well (feet)
Spill Prevention		Left Gal.		Owner at ABD	RENTAL UNIFORM SERVICE	Last Use
Aband.	12/16/1991	Method	Removed	CAS No.		Chem.
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.

Tank Num.	3					
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const. Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested
				Pipe Protect.		Tested
Notify		Capacity	12000	Tank Cont. Meth.	Single wall	Pipe Cont. Meth. Single wall
Variance		Product	Diesel fuel	Overfill type		Verified
						Piping type
Compliance		Comp. Status		Age at Notification		Dist. to Well (feet)
Spill Prevention		Left Gal.		Owner at ABD	RENTAL UNIFORM SERVICE	Last Use
Aband.	12/16/1991	Method	Removed	CAS No.		Chem.
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.

Tank Num.	4					
Constr. Date		Class	N	Tank Const.	Steel	Pipe Const. Steel
Operat. Date		Status	Abandoned	Tank Protect.		Tested
				Pipe Protect.		Tested
Notify		Capacity	500	Tank Cont. Meth.	Single wall	Pipe Cont. Meth. Single wall
Variance		Product	Waste oil, burnt oil, used oil	Overfill type		Verified
						Piping type
Compliance		Comp. Status		Age at Notification		Dist. to Well (feet)
Spill Prevention		Left Gal.		Owner at ABD	RENTAL UNIFORM SERVICE	Last Use
Aband.	12/16/1991	Method	Removed	CAS No.		Chem.
Under Dispenser Cont.	False	Drop Tube	False	Tank Leak Det.		Pipe Leak Det.

Releases

[Show/hide releases](#)

Release No.	1				
Reported	12/31/1991	Status		Product	Compliance Req? False
NFA	10/25/1993	Fin Type		RBCA / Score /	Compliance Met False
Confirmed	6/11/1992	Emergency Resp.		Superb Qualified	Compliance Date
Cleanup Initiated	3/12/1993	Abatement Met	12/13/1991	Superb Determ. Date	Fin. Res. Mechanism
Cleanup Complete	10/25/1993	Transferred		Project Manager	WRIGHT, JOHN
Cleanup > MCL		Source	UST	Responsible Party	RENTAL UNIFORM SERVICE

**VOLUNTARY CLEANUP CONTRACT
16-6247-RP**

**IN THE MATTER OF
RENTAL UNIFORM SERVICE--FLORENCE SITE, FLORENCE COUNTY
and
RUSF, LLC**

This Contract is entered into by the South Carolina Department of Health and Environmental Control and RUSF, LLC, pursuant to the Brownfields/Voluntary Cleanup Program, S.C. Code Ann. §§ 44-56-710 through 760, as amended, the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 U.S.C. §§ 9601 to 9675, as amended, and the South Carolina Hazardous Waste Management Act (HWMA), S.C. Code Ann. § 44-56-200, with respect to the facility known as the Rental Uniform Service-Florence Site ("Site"). The facility property is located 906 South Church Street, Florence, South Carolina ("Property"). The Property includes approximately 17.10 acres and is bounded generally by South Church Street on the west; the former Land-O-Sun Dairies facility on the south; residential properties and June Lane on the east; and commercial property and East Prout Drive on the north. The Property is identified by the County of Florence as Tax Map Serial Number 00149-01-009; and a legal description of the Property is attached to this Contract as Appendix A.

DEFINITIONS

1. Unless otherwise expressly provided, terms used in this Contract shall have the meaning assigned to them in CERCLA, the HWMA, and in regulations promulgated under the foregoing statutes, or the Brownfields/Voluntary Cleanup Program.

- A. "RUSF" shall mean RUSF, LLC. RUSF, LLC is a Delaware Limited Liability Company authorized to do business in South Carolina since November 5, 2013, with its principal place of business located at 906 South Church Street, Florence, SC.
- B. "Contamination" shall mean impact by a Contaminant or Hazardous Substance.
- C. "Contract" shall mean this Responsible Party Voluntary Cleanup

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Contract.

- D. "Department" shall mean the South Carolina Department of Health and Environmental Control or a successor agency of the State of South Carolina that has responsibility for and jurisdiction over the subject matter of this Contract.
- E. "Hazardous Substance" shall have the same meaning as defined under subparagraphs (A) through (F) of Paragraph (14) of CERCLA, Section 101, 42 U.S.C. Section 9601(14).
- F. "Pollutant" or "Contaminant" includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions, including malfunctions in reproduction, or physical deformations, in organisms or their offspring; "contaminant" does not include petroleum, including crude oil or any fraction of crude oil, which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of paragraph (14) of CERCLA § 101, 42 U.S.C. § 9601, et seq. and does not include natural gas, liquefied natural gas, or synthetic gas of pipeline quality or mixtures of natural gas and such synthetic gas.
- G. "Property" as described in the legal description attached as Appendix A, shall mean that portion of the Site, which is subject to ownership, prospective ownership, or possessory or contractual interest of RUSF.
- H. "Response Action" shall mean any assessment, cleanup, inspection, or closure of a site as necessary to remedy actual or potential damage to public health, public welfare, or the environment.
- I. "Site" shall mean all areas where a Hazardous Substance, Pollutant

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or Contaminant has been released, deposited, stored, disposed of, or placed, or otherwise comes to be located; "Site" does not include any consumer product in consumer use or any vessel, as defined in CERCLA.

- J. "Voluntary Cleanup" shall mean a Response Action taken under and in compliance with the Brownfields/Voluntary Cleanup Program, S.C. Code Ann. §§ 44-56-710 to 760, as amended.
- K. "Work Plan" shall mean the plan for additional Response Actions to be conducted at the Site as described in Paragraph 3 of this Contract.

FINDINGS

2. Based on the information known by or provided to the Department, the following findings are asserted for purposes of this Contract:

- A. Historically, Rental Uniform Service of Florence, Inc. operated a commercial dry cleaning facility at the Site. However, dry cleaning operations have not been conducted at the Site since the 1970s.
- B. Phase I and Phase II assessments were conducted at the Site in early 2013 by a prospective purchaser. In May, 2013, PCE was detected at high concentrations in the soil and PCE, TCE and cis-1,2-DCE were detected in the groundwater at levels exceeding the Maximum Contaminant Levels (MCLs).
- C. In July, 2013, six soil boring and six monitoring wells were installed at the Site by GEL Engineering, contracted by RUSF. Cis-1,2-DCE, TCE, PCE, and methylene chloride were all detected in the soils samples, some at levels exceeding US EPA Regional Screening Levels (RSLs). The groundwater flow direction was found to be to the south-southwest and five chlorinated volatile organic compounds (VOCs) were found at levels exceeding the MCLs. Groundwater Contamination was found to be migrating southward onto the

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- adjoining property formerly owned by Land-O-Sun Dairy.
- D. Rental Uniform Service of Florence, Inc., a South Carolina corporation, was dissolved on December 23, 2013.
 - E. The Property was sold to RUSF on December 23, 2013.
 - F. A list of the reports setting forth RUSF's efforts comprising this Site investigation is attached as Appendix B.

RESPONSE ACTIONS

3. RUSF agrees to submit to the Department for review and written approval within sixty (60) days of the execution date of this Contract a Work Plan for the Site that is consistent with the technical intent of the National Contingency Plan. The Work Plan shall be implemented upon written approval from the Department. The Work Plan shall include the names, addresses, and telephone numbers of the consulting firm, the analytical laboratory certified by the Department, and RUSF's contact person for matters relating to this Contract. RUSF will notify the Department in writing of changes in the contractor or laboratory. The Department will review the Work Plan and will notify RUSF in writing of any deficiencies in the Work Plan, and RUSF will respond in writing to the Department's comments within thirty (30) days. The Work Plan and all associated reports shall be prepared in accordance with industry standards and endorsed by a Professional Engineer (P.E.) and/or Professional Geologist (P.G.) duly-licensed in South Carolina and shall set forth methods and schedules for accomplishing the following tasks:

- A. Complete investigation of potential sources, nature, and extent of contamination, including continuation of the current groundwater monitoring requirements.
- B. Submit to the Department a report (to include an evaluation of risk to human health and the environment if necessary) setting forth the findings of the site investigation. The Department shall review the report for determination of completion of the site investigation and sufficiency of the documentation. If the Department determines that the field investigation is not complete, it will send written notification

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of such to RUSF, and RUSF shall subsequently conduct such additional field investigation as is necessary to further determine the source, nature, and extent of Contamination. If the Department determines that the field investigation is complete but the report is incomplete, the Department shall send to RUSF a letter indicating that revision of the report is necessary. Within thirty (30) days of receipt of such letter from the Department, RUSF shall submit a revised report addressing the Department's comments. Should there be disagreement between RUSF and the Department regarding the Department's comments, sufficient time will be allotted in addition to the thirty (30) days for the Department and RUSF to resolve the disagreement.

- C. If determined necessary by the Department, conduct a Feasibility Study or other evaluation of remedial and/or removal alternatives for addressing Contamination at the Site. The Feasibility Study will be preceded by a Feasibility study work plan.
- D. The Department will consider interim remedial or removal actions where appropriate. RUSF shall include in the Work Plan any proposed interim actions for Department consideration.

4. RUSF shall prepare and submit under separate cover from the Work Plan, a Health and Safety Plan that is consistent with Occupational Safety and Health Administration regulations. The Health and Safety Plan is submitted to the Department for information purposes only. The Department expressly disclaims any liability that may result from implementation of the Health and Safety Plan by RUSF.

5. RUSF shall inform the Department in writing at least five (5) working days in advance of all field activities pursuant to this Contract and, if deemed necessary by the Department, shall allow the Department and its authorized representatives to take duplicates of any samples collected by RUSF pursuant to this Contract.

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6. Within sixty (60) days of the execution date of this Contract and once a quarter thereafter, RUSF shall submit to the Department a written progress report that must include the following: (A) actions taken under this Contract during the previous reporting period; (B) actions scheduled to be taken in the next reporting period; (C) sampling, test results, and any other data, in summary form, generated during the previous reporting period, whether generated pursuant to this Contract or not; and (D) a description of any environmental problems experienced during the previous reporting period and the actions taken to resolve them.

7. All correspondence which may or are required or permitted to be given by either party to the other hereunder shall be in writing and deemed sufficiently given if delivered by (A) regular U.S. mail, (B) certified or registered mail, postage prepaid, return receipt requested, (C) nationally recognized overnight delivery service company, or (D) hand delivery to the other party at the address shown below or at such place or to such agent as the parties may from time to time designate in writing.

Unless otherwise directed in writing by either party, all correspondence, work plans, and reports should be submitted to:

The Department: Addie Walker
South Carolina Department Health & Environmental Control
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201
walkeras@dhec.sc.gov

RUSF: Jeffrey Waggoner
P.O. Box 160999
Altamonte Springs, FL 32716

All final work plans and reports shall include two (2) paper copies and one (1) electronic copy on compact disk or, unless otherwise requested by the Department, via electronic mail where feasible.

PUBLIC PARTICIPATION

8. Upon execution of this Contract, the Department will seek public participation in



accordance with S.C. Code Ann. § 44-56-740(D), and not inconsistent with the National Contingency Plan. RUSF will reimburse the Department's cost associated with public participation (e.g., publication of public notice(s), building and equipment rental(s) for public meetings, etc.).

RESPONSE COSTS

9. In accordance with §§ 44-56-200 and 44-56-740, RUSF shall, on a quarterly basis, reimburse the Department for Oversight Costs of activities required under this Contract. Oversight Costs include, but are not limited to, the direct and indirect costs of negotiating the terms of this Contract, reviewing Work Plans and reports, supervising corresponding work and activities and costs associated with public participation. Payments will be due within thirty (30) days of the Department's invoice date. The Department shall provide documentation of its Oversight Costs in sufficient detail so as to show the personnel involved, amount of time spent on the project for each person, expenses, and other specific costs. Invoices shall be submitted to:

RUSF: Jeffrey Waggoner
PO Box 160999
Altamonte Springs, FL 32716

All of RUSF's payments should reference the Contract number on page 1 of this Contract and be made payable to:

The South Carolina Department of Health & Environmental Control

If complete payment of the Past Costs or of the quarterly billing of Oversight Costs is not received by the Department by the due date, the Department may, upon prior written notice to RUSF, bring an action to recover the amount owed and all costs incurred by the Department in bringing the action including, but not limited to, attorney's fees, Department personnel costs, witness costs, court costs, and deposition costs.

ACCESS

10. The Department, its authorized officers, employees, representatives, and all other persons performing Response Actions will not be denied access to the Site during

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normal business hours or at any time work under this Contract is being performed or during any environmental emergency or imminent threat situation, as determined by the Department (or as allowed by applicable law). RUSF and subsequent owners of the Property shall ensure that a copy of this Contract is provided to any lessee or successor or other transferee of the Property, and to any owner of other property that is included in the Site. If RUSF is unable to obtain access from the Property owner, the Department may obtain access and perform Response Actions. All of the Department's costs associated with access and said Response Actions will be reimbursed by RUSF.

RESTRICTIVE COVENANT

11. If hazardous substances in excess of residential standards exist at the Property after RUSF has completed the actions required under this Contract, RUSF shall enter and file a restrictive covenant. Upon the Department's approval of the items outlined therein, which shall not be unreasonably withheld or delayed, the restrictive covenant shall be signed by the Department and representatives of RUSF and witnessed, signed, and sealed by a notary public. RUSF shall record this restrictive covenant with the Register of Deeds or Mesne Conveyances in Florence County. The signed covenant shall be incorporated into this Contract as an Appendix. A Certificate of Completion shall not be issued by the Department until the Restrictive Covenant, if required, is executed and recorded. With the approval of the Department, the restrictive covenant may be modified in the future if additional remedial activities are carried out which meet appropriate clean-up standards at that time or circumstances change such that the restrictive covenant would no longer be applicable. The Department may require RUSF or subsequent owners of the Property to modify the restrictive covenant if a significant change in law or circumstances requiring remediation occurs. RUSF or subsequent owners of the Property shall file an annual report with the Department by May 31st of each year detailing the current land uses and compliance with the restrictive covenants for as long as the restrictive covenant remains in effect on the Property. The report must be submitted in a manner prescribed by the Department.

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OBLIGATIONS AND BENEFITS

12. Upon execution of this Contract by the Department, RUSF, its signatories, parents, subsidiaries, successors and assigns shall be deemed to have resolved their liability to the State in an administrative settlement for purposes of, and to the extent authorized under 42 U.S.C. § 9613(f)(2), S.C. Code Ann. § 44-56-200, for the matters addressed in this Contract. "Matters addressed" are all Response Actions taken or to be taken at or in connection with this Site under this Contract and any subsequent amendments to the Contract, and all response costs incurred or to be incurred under this Contract and any subsequent amendments to the Contract. Further, by resolving its liability to the State for some or all of a Response Action in this administrative settlement, RUSF may seek contribution to the extent authorized under 42 U.S.C. § 9613(f)(3)(B), S.C. Code Ann. § 44-56-200 from any person who is not a party to this administrative settlement. A thirty (30) day comment period shall be required prior to the Department's execution of the Contract, and shall commence upon publication of the notice of the proposed Contract in the *South Carolina State Register*.

13. Nothing in this Contract is intended to be, or shall be construed as, a release or covenant not to sue for any claim or cause of action, past or future, that the Department may have against any person, firm, or corporation not a signatory of this Contract or a signatory's parent, successor and assign, subsidiary, or subsequent owner of the Property.

14. Subject to Paragraph 16, nothing in this Contract is intended to limit the right of the Department to undertake future Response Actions at the Site or to seek to compel parties to perform or pay for costs of Response Actions at the Site. Nothing in this Contract shall in any way restrict or limit the nature or scope of Response Actions that may be taken or be required by the Department in exercising its authority under State and Federal law.

15. Subject to the provisions of Paragraph 16, nothing in this Contract is intended to be or shall be construed as a release or covenant not to sue for any claim or cause of

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action that the Department may have against RUSF for any matters not expressly included in this Contract.

16. Upon successful completion of the terms of this Contract and the approved Work Plan as referenced in Paragraph 3 above, RUSF shall submit to the Department a written notice of completion.

Once the Department determines that RUSF has successfully and completely complied with this Contract, the Department, pursuant to S.C. Code Ann. § 44-56-740(A)(5) and (B)(1), will give RUSF a Certificate of Completion that provides a covenant not to sue to RUSF, its signatories, parents, successors and assigns, subsidiaries, and subsequent owners of the Property, for the work done in completing the Response Actions specifically covered in the Contract and completed in accordance with the approved work plans and reports. The covenant not to sue and administrative settlement for purposes of contribution protection are contingent upon the Department's determination that RUSF successfully and completely complied with the Contract.

In consideration of the Department's covenant not to sue, RUSF its signatories, parents, successors and assigns, and subsidiaries agree not to assert any claims or causes of action against the Department arising out of activities undertaken at the Site or to seek other costs, damages, or attorney's fees from the Department arising out of activities undertaken at the Site, except for those claims or causes of action resulting from the Department's intentional or grossly negligent acts or omissions.

17. RUSF and the Department each reserve the right to unilaterally terminate this Contract. Termination may be accomplished by giving a thirty (30) day advance written notice of the election to terminate this Contract to the other party. Should RUSF elect to terminate, it must submit to the Department all data generated pursuant to this Contract, and certify to the Department's satisfaction that any environmental or physical hazard shall be stabilized and/or mitigated such that the Site does not pose a hazard to human health or the environment that did not exist prior to any initial Response Action addressing Contamination identified in this Contract.

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18. The Department may terminate this Contract only for cause, which may include but is not limited to, the following:

- A. Events or circumstances at the Site that are inconsistent with the terms and conditions of this Contract;
- B. Failure to complete the terms of this Contract or the Work Plan;
- C. Failure to submit timely payments for Oversight Costs as defined in Paragraph 9 above;
- D. Additional Contamination or releases or consequences at the Site caused by RUSF its parents, successors and assigns, and subsidiaries;
- E. Providing the Department with false or incomplete information or knowingly failing to disclose material information;
- F. Change in RUSF's or its parents, successors and assigns, and subsidiaries business activities on the Property or uses of the Property that are inconsistent with the terms and conditions of this Contract; or
- G. Failure by RUSF to obtain the applicable permits from the Department for any Response Action or other activities undertaken at the Property.

19. Upon termination of the Contract under Paragraph 17 or 18, the covenant not to sue and administrative settlement for purposes of contribution protection shall be null and void. Termination of the Contract by RUSF or the Department does not end the obligations to reimburse Oversight Costs already incurred by the Department and payment of such costs shall become immediately due.

20. The signatories below hereby represent that they are authorized to and enter into this Contract on behalf of their respective parties.

THIS IS CERTIFIED AS A TRUE
AND CORRECT COPY

SIGNATURE

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THE SOUTH CAROLINA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL CONTROL

BY: *Daphne G. Neel*
Daphne G. Neel, Chief
Bureau of Land and Waste Management
Environmental Quality Control

DATE: 6/30/16

Claire W. ...
Reviewed by Office of General Counsel

DATE: 6/29/16

RUSF, LLC

Jeffery D. Waggoner
Signature

DATE: 4/03/2016

Jeffery D. Waggoner / President
Printed Name and Title

APPENDIX A

Legal Description of the Property

County of Florence
Tax Map Serial Number 00149-01-009

All that certain tract of land situated in the County of Florence, State of South Carolina, fronting on the East side of South Church Street Extension, and containing 17.192 acres, more or less. The northwestern corner of said tract lies on the East side of Church Street Extension, which point is 200 feet south of the intersection of South Church Street Extension with a 66-foot unnamed street. The said property measures 688.44 feet on its northern line, whereon it is bounded by property of Meco, Inc. of Florence; measures 1151.585 feet on its Eastern line, whereon it is bounded by an unnamed 66-foot street; measures 641.78 feet on its Southern line, whereon it is bounded by property now or formerly of Elmer E. Chasteen, et al; and measures on its Western line 1103.48 feet, whereon it is bounded by South Church Street Extension, and being comprised of the following tracts: (1) a tract of 4.462 acres, more or less, as shown on plat entitled "Map of 4.462 acres of Land Situate in Florence County, South Carolina Prepared for Rental Uniform Service" dated October 25, 1966, recorded November 12, 1966, in Plat Book X, Page 26; (2) a tract of 9.589 acres, more or less, as shown on plat entitled "Map of 9.589 acres of Land Situate in Florence County, South Carolina Prepared for Waggoner Equipment Co." dated October 25, 1966, recorded November 12, 1966, in Plat Book X, Page 27; and (3) a tract of 3.141 acres, more or less, as shown on plat entitled "Map of 3.141 acres of Land Situate in Florence County, South Carolina Prepared for Waggoner Equipment Co." dated October 8, 1968, recorded October 25, 1968, in Plat Book 1, Page 104, all in the Office of the Register of Deeds for Florence County, South Carolina, reference to which plats is hereby made for a more particular description thereof.

This being the same property conveyed to Rental Uniform Service of Florence, Inc., by Deed of William D. Waggoner, dated January 4, 1977 and recorded February 3, 1977 in Deed Book A-153 at Page 595, Office of the Clerk of Court, Florence County, S.C.

Tax Map No.: 00149-01-009

Property Address: 906 S. Church St., Florence, SC

SIGNATURE AW

APPENDIX B

List of sampling, investigations, assessments and remedial actions

- Phase II Environmental Site Assessment and Underground Storage Tank Closure Report, Land-O-Sun Dairies, LLC (DBA Pet Dairy), 1100 South Church Street, Florence, SC 29506, Prepared by AECOM, dated January 2012.
- Split Sample Soil and Groundwater Assessment, Rental Uniform Service, 906 South Church Street, Florence, SC, Prepared by GEL Engineering, LLC, dated May 25, 2013.
- Limited Phase II Assessment Activities, Rental Uniform Service of Florence, 906 South Church Street, Prepared by Antea Group, dated May 28, 2013.
- Source Investigation Report, Land-O-Sun Dairies, LLC (DBA Land-O-Sun), 1100 South Church Street, Florence, SC 29506, Prepared by AECOM, dated June 11, 2013.
- Limited Soil and Groundwater Assessment, Rental Uniform Service Facility, 906 South Church Street, Florence, Florence County, SC, Prepared by GEL Engineering, LLC., dated November 8, 2013.
- Results of Limited Soil and Groundwater Investigation, RUSF LLC. Property (Former Rental Uniform Service - 906 South Church Street, Florence, SC 29506, Prepared by GEL Engineering, LLC., dated July 31, 2014.
- Chlorinated Compound Air Sampling Report, Rental Uniform Service Facility, 906 South Church Street, Florence SC 29506, Prepared by GEL Engineering, LLC., dated September 24, 2014.
- Additional Assessment Work Plan, former Rental Uniform Service and Land-O-Sun Dairy Facilities, - 906 and 1100 South Church Street, Florence, SC, Prepared by GEL Engineering, LLC., dated September 18, 2015.
- Additional Groundwater Assessment Report, Rental Uniform Service and Land-O-Sun Dairy Facilities, 906 and 1100 South Church Street, Florence SC, Prepared by GEL Engineering, LLC., dated September 18, 2015



August 15, 2024

Wetlands

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
	Freshwater Pond		Riverine		

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

The City of Florence Has Never Violated Drinking Water Standards for Lead.

Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. A high level of lead in drinking water can cause health problems, particularly in children. SCDHEC works to ensure that public water systems adhere to drinking water quality standards and regulations. Lead is rarely in drinking water when it leaves a treatment plant; however, it can seep into the water from old plumbing.



Where Your Water Comes From

The City of Florence relies on groundwater from the Crouch Branch Aquifer as its primary supply source. The City provides drinking water for approximately 79,220 people, including 30,469 residences and 3,673 businesses. The groundwater well system supplies about 60% of Florence's drinking water. The City of Florence also operates the Frank E. Willis Pee Dee River Regional Surface Water Plant, which utilizes the Pee Dee River and provides approximately 40% of Florence's water supply.

Florence City Council

Florence City Council governs and sets policies to manage and fund public utilities. City staff follows the necessary protocol to comply with all federal and state regulatory requirements. City Council meets the second Monday each month in Council Chambers at the City Center, 324 West Evans St. Customers and the public are encouraged to attend these meetings.

If You Have Special Health Concerns

Some people may be more vulnerable to substances in drinking water than the general population. Immuno-compromised persons (such as persons undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly individuals, and infants) can be particularly at risk due to infections. These people should seek advice about drinking water from their healthcare providers. The Environmental Protection Agency (EPA) and the Centers for Disease Control (CDC) provide guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological substances. Further information is available from the Safe Drinking Water Hotline at 1-800-426-4791.

About This Report

The report informs customers about water quality and increases customer understanding of drinking water and treatment. Federal authorities and laws prescribed the technical language, terms, descriptions, definitions, precautionary statements, and scientific data in this report. The South Carolina Department of Health and Environmental Control (SCDHEC) validated the sampling results listed.

You may call the EPA's Safe Drinking Water Hotline for more information about contaminants and potential health effects at 1-800-426-4791. For more information about this report, don't hesitate to contact Josh Whittington at (843) 665-3236.

What's In Your Drinking Water

All drinking water sources are subject to potential contamination by naturally occurring or artificial substances. These substances can be microbes, inorganic or organic chemicals, and radioactive substances. All drinking water, including bottled water, may contain at least minor traces of some contaminants. Contaminants do not necessarily indicate that the water poses a health risk.

The City of Florence water system has prepared a source water assessment report. The information may be reviewed by contacting Malcolm Cook at (843) 665-3236.



2023 Water Quality Report

Scotty Davis, Florence's City Manager, proudly announced the release of the 2023 Annual Water Quality Report, emphasizing the absence of any violations of the state and federal drinking water quality standards. Davis underscored the city's commitment to providing safe drinking water, labeling it as a fundamental service and a key priority for Florence.

The sampling data collected by the City of Florence is scientifically analyzed and confirmed by SCDHEC.

The 2023 annual report provides results of the challenging testing completed from January 1, 2023, through December 31, 2023. The city is committed to producing the highest quality of water and promoting quality of life for everyone. The sampling data is presented in a table included in this report.



FULL LIFE. FULL FORWARD.
FLORENCE
SOUTH CAROLINA

2023

City of Florence

Water Quality Report



Fundamentally Committed to Water Quality



www.cityofflorence.com

Fluoride

Fluoride is a naturally occurring element that helps prevent tooth decay. To maintain an acceptable level of fluoride a small amount of fluoride is added during the water treatment process, as recommended by the American Medical Association (AMA) and the American Dental Association (ADA).

Table Definitions

90 th Percentile	Of all samples analyzed, 90 percent were at or below the detection level.
AL	Action Level. The concentration of contaminant that, if exceeded, triggers treatment or other requirements, which a water system must follow.
ALG	Action Level Goal. The level of contaminant in drinking water below which there is no known or expected health risk.
DBPR	Disinfectant By product Rule.
HAA5	Halo Acetic Acids.
LRAA	Locational Running Annual Average.
MCL	Maximum Contaminant Level. The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
MCLG	Maximum Contaminant Level Goal. The level of contaminant in drinking water below which there is no known or expected health risk. MCLGs provide a margin of safety.
MRDL	Maximum Residual Disinfectant Level. Highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of disinfectant is necessary for control of microbial contaminants.
MRDLG	Maximum Residual Disinfectant Level Goal. Level of drinking water disinfectant below which there is no known risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
ND	Non-Detected. No measurable level of substance or contaminant detected.
NTU	Nephelometric Turbidity Unit. Units of measure to indicate water clarity.
PPB	Parts Per Billion. The equivalent of one penny in \$10,000,000 or 1 minute in 2,000 years.
PPM	Parts Per Million. The equivalent of 1 penny in \$10,000 or 1 minute in 2 years.
TT	Treatment Technique. Required process intended to reduce the level of a contaminant in drinking water.
TTHM	Total Trihalomethanes.

2023 Water Quality Sampling Results

The following table shows actual sampling results for substances detected in the Florence water systems for the period Jan. 1 to Dec. 31, 2023, compared with state and federal health and safety standards for those substances.

WATER QUALITY DATA TABLE

Lead and Copper—Inorganic Contaminants							
Contaminants (unit of measure)	ALG	AL	90 th percentile	# Samples Exceeding AL	Exceeds AL (Yes/No)	Sample Date	Typical Source
Copper-action level at consumer taps (ppm)	1.3	1.3	0.19	0	No	2021	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead-action level at consumer taps (ppb)	0	15	1.5	0	No	2021	Corrosion of household plumbing systems. Erosion of natural deposits.

Chemical and Radionuclide Constituents							
Contaminants (unit of measure)	MCLG or MRDLG	MCL, TT, or MRDL	Detect in Your Water	Range	Violation (Yes or No)	Sample Date	Typical Source
Nitrate (ppm)	10	10	0.96	0 – 0.96	No	2023	Runoff from fertilizer use. Erosion of natural deposits.
Sodium (ppm) [unregulated]	NA	NA	23.0	N/A	No	2023	Naturally occurring.
Combined Radium 226/228 (pCi/L)	0	5	0.372	0.0 – 0.372	No	2023	Erosion of natural deposits.
Dicamba (ppb)	N/A	N/A	0.09	N/A	No	2023	Runoff from herbicide used on row crops.
*The MCL for beta particles is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles. Because the beta particle results were below 50 pCi/L, no testing for individual beta particle constituents was required.							

Disinfectant and Disinfection By-Products							
Contaminants (unit of measure)	MCLG or MRDLG	MCL, TT, or MRDL	Detect in Your Water	Range	Violation (Yes or No)	Sample Date	Typical Source
Chlorine (ppm)	4	4	0.83 RAA	0.73– 0.95	No	2023	Water additive used to control microbes.
HAAs [Haloacetic Acids] (HAA5)(ppb)	No goal for the total	60	16 LRAA	0 – 34.8	No	2023	By-product of drinking water chlorination.
TTHMs [Total Trihalomethanes] (ppb)	No goal for the total	80	76 LRAA	0 – 95.9	No	2023	By-product of drinking water disinfection.

Pee Dee River Surface Water Plant Data

Turbidity	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.17 NTU	No	Soil runoff
Lowest monthly % meeting limit	0.3 NTU	100.000%	No	Soil runoff
Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration.				

Total Organic Carbon
Information for the percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.

APPENDIX C: REGULATORY DATABASE REPORT



DATABASE REPORT

Project Property:	<i>Churchill Apartments 1117 June Lane FLORENCE SC 29506</i>
Project No:	<i>24-458664.1</i>
Report Type:	<i>Database Report</i>
Order No:	<i>24073001051</i>
Requested by:	<i>Partner Engineering and Science, Inc.</i>
Date Completed:	<i>July 31, 2024</i>

Environmental Risk Information Services

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Churchill Apartments
1117 June Lane FLORENCE SC 29506*

Project No: *24-458664.1*

Coordinates:

Latitude:	<i>34.1758785</i>
Longitude:	<i>-79.7599034</i>
UTM Northing:	<i>3,782,331.22</i>
UTM Easting:	<i>614,226.64</i>
UTM Zone:	<i>17S</i>

Elevation: *107 FT*

Order Information:

Order No: *24073001051*

Date Requested: *July 30, 2024*

Requested by: *Partner Engineering and Science, Inc.*

Report Type: *Database Report*

Historicals/Products:

Aerial Photographs	<i>Historical Aerials (with Project Boundaries)</i>
City Directory Search	<i>Smart CD Search</i>
ERIS Xplorer	<i>ERIS Xplorer</i>
Excel Add-On	<i>Excel Add-On</i>
Fire Insurance Maps	<i>US Fire Insurance Maps</i>
Physical Setting Report (PSR)	<i>Physical Setting Report (PSR)</i>
Topographic Map	<i>Topographic Maps</i>
Vapor Screening Tool	<i>Vapor Screening Tool</i>

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<u>Standard Environmental Records</u>								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	1	-	-	1
RCRA VSQG	Y	0.25	0	1	0	-	-	1
RCRA NON GEN	Y	0.25	0	1	0	-	-	1
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0

State

REMEDATION	Y	1	0	0	1	0	0	1
SWF/LF	Y	0.5	0	0	0	0	-	0
SASPL	Y	0.5	0	1	1	1	-	3
DELISTED SHWS	Y	1	0	0	0	0	0	0
LUST	Y	0.5	0	1	1	5	-	7
LAST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	2	1	2	-	5
UST	Y	0.25	0	1	1	-	-	2
AST	Y	0.25	0	0	0	-	-	0
AST SFM	Y	0.25	0	0	0	-	-	0
DELISTED TANKS	Y	0.25	0	0	0	-	-	0
RCR	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	1	1	0	-	2
BROWNFIELDS	Y	0.5	0	1	0	0	-	1

Tribal

INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

County

No County standard environmental record sources available for this State.

Additional Environmental Records

Federal

PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	2	-	-	-	2

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
TRIS	Y	PO	0	1	-	-	-	1
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	1	1
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	1	-	-	-	1

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0

State

PFAS SAMPLING	Y	0.5	0	0	0	0	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
DRYCLEAN FUND	Y	0.5	0	0	0	1	-	1
DRY CLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
AIR PERMIT	Y	0.25	0	0	0	-	-	0
UIC	Y	PO	0	-	-	-	-	0
AGRI FAC	Y	0.25	0	0	0	-	-	0

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total:	0	13	7	9	1	30
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* PO – Property Only

* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA NON GEN	FLAVORICH INC GARAGE	1100 S CHURCH STREET FLORENCE SC 29504 <i>EPA Handler ID:</i> SCD982107799	NNW	0.02 / 84.22	6	22
1	RCRA VSQG	PENSKE TRUCK LEASING	1100 SOUTH CHURCH ST FLORENCE SC 29506 <i>EPA Handler ID:</i> SCR000002808	NNW	0.02 / 84.22	6	23
1	FINDS/FRS	PENSKE TRUCK LEASING	1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339 <i>Registry ID:</i> 110002251786	NNW	0.02 / 84.22	6	25
1	FINDS/FRS	PET DAIRY	1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339 <i>Registry ID:</i> 110002100574	NNW	0.02 / 84.22	6	25
1	SASPL	LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST, FLORENCE SC 29506 SC	NNW	0.02 / 84.22	6	26
1	UST	PET DAIRY	1100 S CHURCH ST FLORENCE SC 29506 <i>Tank No / Status:</i> 2 Abandoned, 5 Abandoned, 3 Abandoned, 1 Abandoned, 4 Abandoned	NNW	0.02 / 84.22	6	26
1	LUST	PET DAIRY	1100 S CHURCH ST FLORENCE SC 29506 <i>Permit:</i> N 03371 <i>NFA:</i> 11/18/1993	NNW	0.02 / 84.22	6	29
1	DELISTED LST	PET DAIRY	1100 S CHURCH ST FLORENCE SC	NNW	0.02 / 84.22	6	30
1	TRIS	PET DAIRY	1100 S CHURCH ST FLORENCE SC 29504	NNW	0.02 / 84.22	6	31
1	BROWNFIELDS	LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST FLORENCE SC	NNW	0.02 / 84.22	6	38
1	VCP	LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST FLORENCE SC 29506	NNW	0.02 / 84.22	6	38
1	DELISTED LST	PET DAIRY	1100 S CHURCH ST FLORENCE SC	NNW	0.02 / 84.22	6	39

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	AFS	PET DAIRY	1100 S CHURCH ST FLORENCE SC 29504	NNW	0.02 / 84.22	6	39
2	SASPL	RENTAL UNIFORM SERVICE	906 S CHURCH ST, FLORENCE SC 29504 SC	N	0.17 / 898.25	10	42
2	UST	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.17 / 898.25	10	42
Tank No / Status: 3 Abandoned, 2 Abandoned, 1 Abandoned, 4 Abandoned							
2	LUST	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.17 / 898.25	10	45
Permit: N 14312 NFA: 10/25/1993							
2	RCRA SQG	RUSF LLC	906 SOUTH CHURCH ST FLORENCE SC 29506	N	0.17 / 898.25	10	46
EPA Handler ID: SCR000781724							
2	VCP	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.17 / 898.25	10	48
2	REMEDATION	Rental Uniform Service - Florence Site	906 South Church Street Florence SC	N	0.17 / 898.25	10	48
2	DELISTED LST	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC	N	0.17 / 898.25	10	48
3	LUST	NEWSOME CHEVROLET INC	991 S IRBY ST FLORENCE SC 29504	W	0.27 / 1,447.40	-14	49
Permit: N 03285							
4	LUST	SCDMR PEE DEE	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230	NE	0.41 / 2,181.06	17	51
Permit: N 14299 NFA: 7/20/1995, 2/18/1997							
5	LUST	FORMER HORNES MOTOR LODGE	829 S IRBY ST FLORENCE SC 29501	NW	0.48 / 2,545.74	21	52
Permit: U 20179							
6	LUST	R & R2	1360 S IRBY ST FLORENCE SC 29505-2756	SSW	0.48 / 2,553.37	5	53
Permit: R 03577							
7	LUST	SAV A TON 84	1403 S IRBY ST FLORENCE SC 29505-2759	SSW	0.50 / 2,622.96	7	54
Permit: R 03539							

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<u>8</u>	DELISTED LST	FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC	E	0.50 / 2,623.11	-16	<u>56</u>
<u>8</u>	DELISTED LST	FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC	E	0.50 / 2,623.11	-16	<u>57</u>
<u>9</u>	SASPL	ONE HOUR MARTINIZING COMPANY NO 1	832 S IRBY ST, FLORENCE SC 29501 SC	NW	0.50 / 2,630.77	24	<u>57</u>
<u>9</u>	DRYCLEAN FUND	ONE HOUR MARTINIZING COMPANY NO 1	832 S IRBY ST; FLORENCE SC	NW	0.50 / 2,630.77	24	<u>57</u>
<u>10</u>	FUDS	FLORENCE POW CAMP	FLORENCE SC <i>FUDS Property No: I04SC1006</i>	NW	0.57 / 3,027.73	23	<u>58</u>

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Apr 8, 2024 has found that there are 1 RCRA SQG site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RUSF LLC	906 SOUTH CHURCH ST FLORENCE SC 29506	N	0.17 / 898.25	2
<i>EPA Handler ID: SCR000781724</i>				

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Apr 8, 2024 has found that there are 1 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PENSKE TRUCK LEASING	1100 SOUTH CHURCH ST FLORENCE SC 29506	NNW	0.02 / 84.22	1
<i>EPA Handler ID: SCR000002808</i>				

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Apr 8, 2024 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLAVORICH INC GARAGE	1100 S CHURCH STREET FLORENCE SC 29504	NNW	0.02 / 84.22	1
<i>EPA Handler ID: SCD982107799</i>				

State

REMEDIATION - State Remediation Projects

A search of the REMEDIATION database, dated Aug 19, 2023 has found that there are 1 REMEDIATION site(s) within approximately 1.00miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Rental Uniform Service - Florence Site	906 South Church Street Florence SC	N	0.17 / 898.25	2

SASPL - Site Assessment Section Project List

A search of the SASPL database, dated May 15, 2024 has found that there are 3 SASPL site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST, FLORENCE SC 29506 SC	NNW	0.02 / 84.22	1
RENTAL UNIFORM SERVICE	906 S CHURCH ST, FLORENCE SC 29504 SC	N	0.17 / 898.25	2
ONE HOUR MARTINIZING COMPANY NO 1	832 S IRBY ST, FLORENCE SC 29501 SC	NW	0.50 / 2,630.77	9

LUST - Leaking Underground Storage Tank List

A search of the LUST database, dated Apr 16, 2024 has found that there are 7 LUST site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC 29506 <i>Permit: N 03371</i> <i>NFA: 11/18/1993</i>	NNW	0.02 / 84.22	1
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504 <i>Permit: N 14312</i> <i>NFA: 10/25/1993</i>	N	0.17 / 898.25	2
SCDMR PEE DEE	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230 <i>Permit: N 14299</i> <i>NFA: 7/20/1995, 2/18/1997</i>	NE	0.41 / 2,181.06	4
FORMER HORNES MOTOR LODGE	829 S IRBY ST FLORENCE SC 29501 <i>Permit: U 20179</i>	NW	0.48 / 2,545.74	5
R & R2	1360 S IRBY ST FLORENCE SC 29505-2756 <i>Permit: R 03577</i>	SSW	0.48 / 2,553.37	6
SAV A TON 84	1403 S IRBY ST FLORENCE SC 29505-2759 <i>Permit: R 03539</i>	SSW	0.50 / 2,622.96	7
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
NEWSOME CHEVROLET INC	991 S IRBY ST FLORENCE SC 29504	W	0.27 / 1,447.40	3

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
<i>Permit: N 03285</i>				

DELISTED LST - Delisted Leaking Storage Tanks

A search of the DELISTED LST database, dated Jun 25, 2024 has found that there are 5 DELISTED LST site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC	NNW	0.02 / 84.22	1
PET DAIRY	1100 S CHURCH ST FLORENCE SC	NNW	0.02 / 84.22	1
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC	N	0.17 / 898.25	2

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC	E	0.50 / 2,623.11	8
FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC	E	0.50 / 2,623.11	8

UST - Underground Storage Tank List

A search of the UST database, dated Apr 16, 2024 has found that there are 2 UST site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC 29506	NNW	0.02 / 84.22	1
<i>Tank No / Status: 2 / Abandoned, 5 / Abandoned, 3 / Abandoned, 1 / Abandoned, 4 / Abandoned</i>				
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.17 / 898.25	2
<i>Tank No / Status: 3 / Abandoned, 2 / Abandoned, 1 / Abandoned, 4 / Abandoned</i>				

VCP - Site Assessment and Remediation Public Record Database

A search of the VCP database, dated May 13, 2024 has found that there are 2 VCP site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST FLORENCE SC 29506	NNW	0.02 / 84.22	1
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.17 / 898.25	2

BROWNFIELDS - Brownfields Sites Listing

A search of the BROWNFIELDS database, dated Jun 4, 2024 has found that there are 1 BROWNFIELDS site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST FLORENCE SC	NNW	0.02 / 84.22	1

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Apr 26, 2024 has found that there are 2 FINDS/FRS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PENSKE TRUCK LEASING	1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339 <i>Registry ID: 110002251786</i>	NNW	0.02 / 84.22	1
PET DAIRY	1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339 <i>Registry ID: 110002100574</i>	NNW	0.02 / 84.22	1

TRIS - Toxics Release Inventory (TRI) Program

A search of the TRIS database, dated Sep 20, 2023 has found that there are 1 TRIS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC 29504	NNW	0.02 / 84.22	1

FUDS - Formerly Used Defense Sites

A search of the FUDS database, dated May 15, 2023 has found that there are 1 FUDS site(s) within approximately 1.00miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLORENCE POW CAMP	FLORENCE SC	NW	0.57 / 3,027.73	10
<i>FUDS Property No: 104SC1006</i>				

AFS - Air Facility System

A search of the AFS database, dated Oct 17, 2014 has found that there are 1 AFS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC 29504	NNW	0.02 / 84.22	1

State

DRYCLEAN FUND - Drycleaning Facility Restoration Trust Fund Database

A search of the DRYCLEAN FUND database, dated Apr 16, 2024 has found that there are 1 DRYCLEAN FUND site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING COMPANY NO 1	832 S IRBY ST; FLORENCE SC	NW	0.50 / 2,630.77	9



Map: 1.0 Mile Radius

Order Number: 24073001051

Address: 1117 June Lane, FLORENCE, SC



Project Property

Buffer Outline

▲ Sites with Higher Elevation

■ Sites with Same Elevation

▼ Sites with Lower Elevation

○ Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

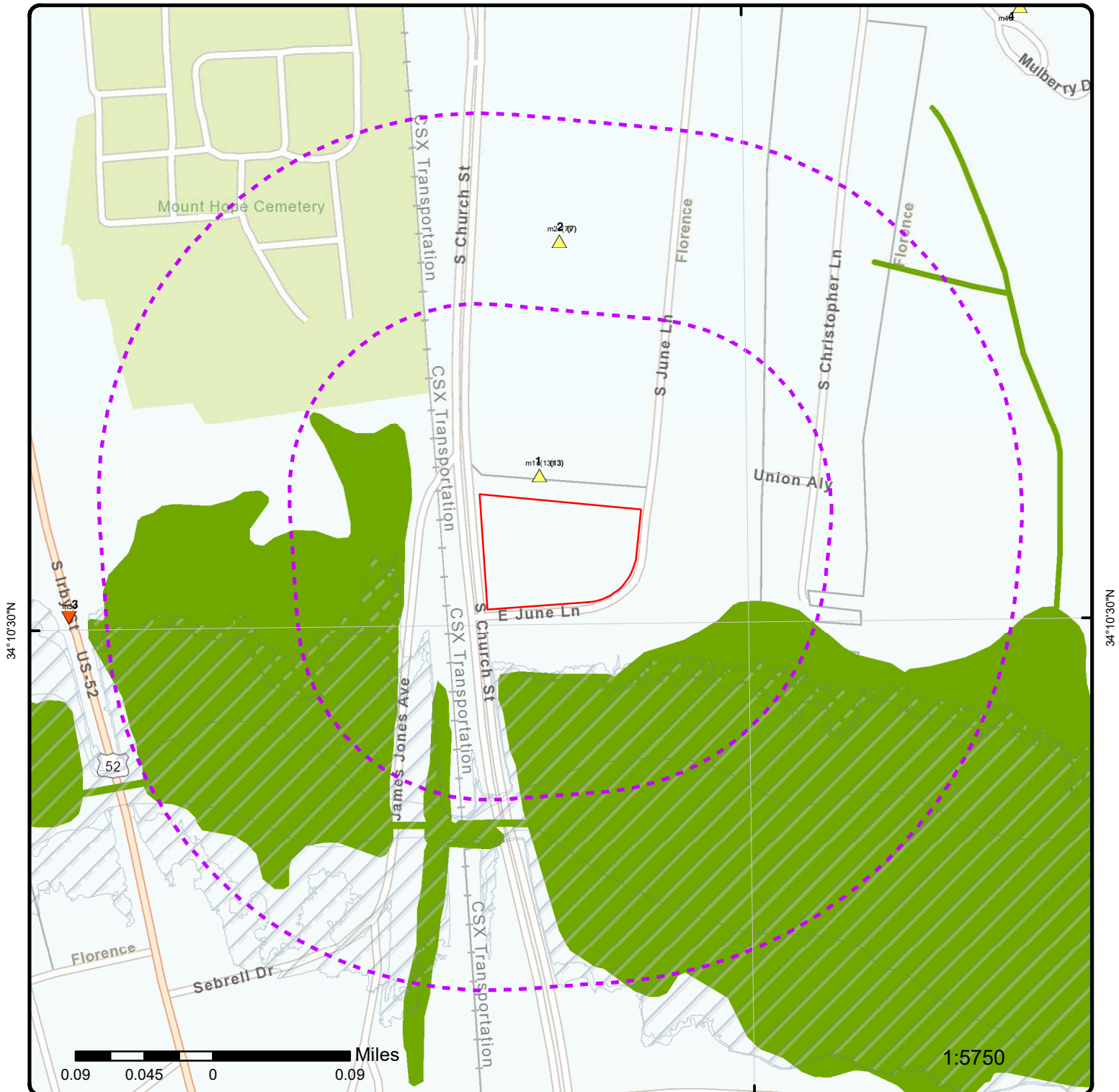
100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)





Map: 0.25 Mile Radius

Order Number: 24073001051

Address: 1117 June Lane, FLORENCE, SC



Project Property

Buffer Outline

▲ Sites with Higher Elevation

■ Sites with Same Elevation

▼ Sites with Lower Elevation

○ Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)

79°46'W

79°45'30"W

79°45'W

34°11'N

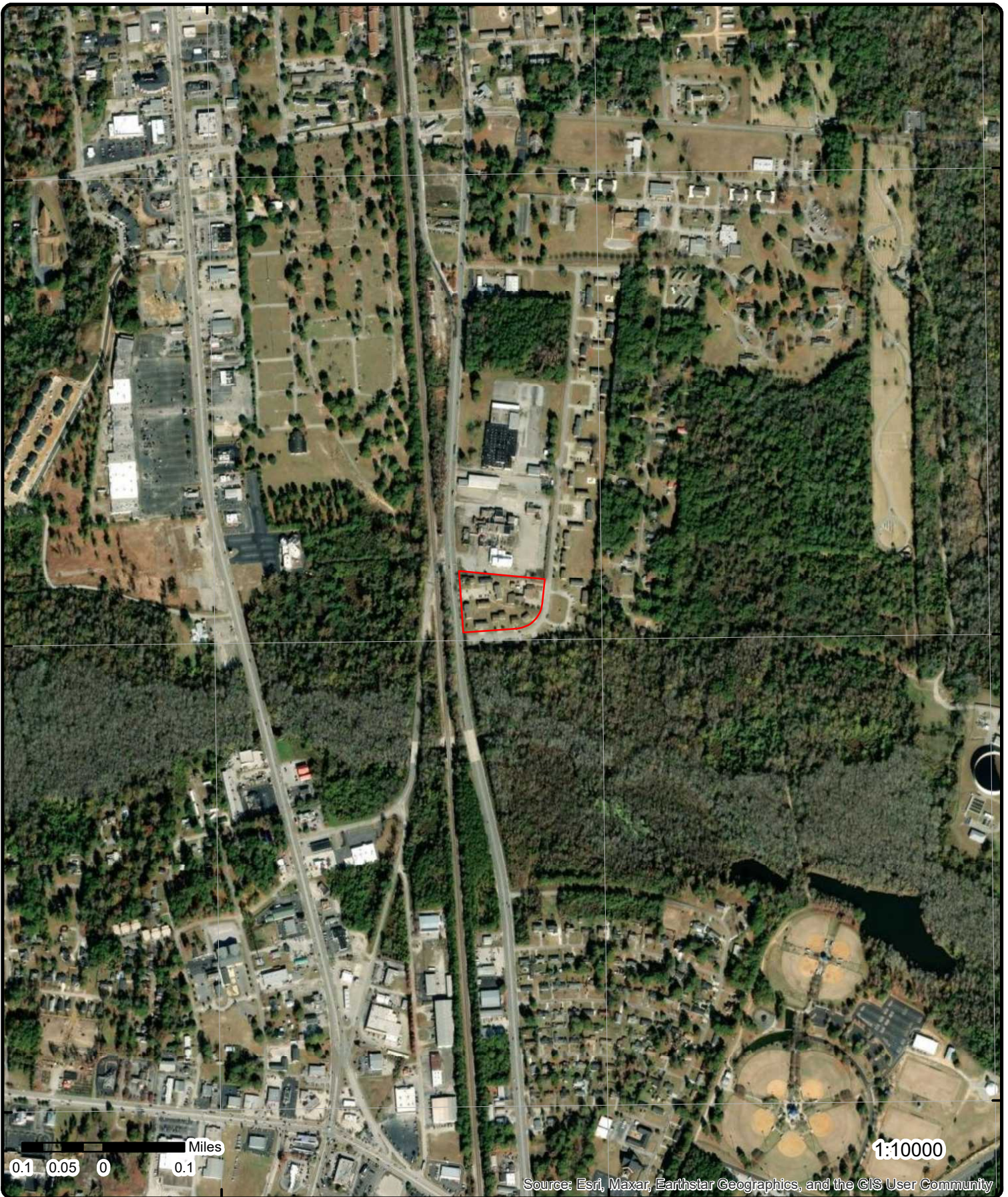
34°11'N

34°10'30"N

34°10'30"N

34°10'N

34°10'N



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Aerial Year: 2023

Address: 1117 June Lane, FLORENCE, SC

Source: ESRI World Imagery

Order Number: 24073001051



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	1 of 13	NNW	0.02 / 84.22	112.70 / 6	FLAVORICH INC GARAGE 1100 S CHURCH STREET FLORENCE SC 29504	RCRA NON GEN

EPA Handler ID: SCD982107799
Gen Status Universe: No Report
Contact Name: TEW CHARLES
Contact Address: PO BOX 12860 , , FLORENCE , SC, 29504 , US
Contact Phone No and Ext: 803-665-6866
Contact Email:
Contact Country: US
County Name: FLORENCE
EPA Region: 04
Land Type: Private
Receive Date: 20020204
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Apr, 2024.

Evaluation Details

Evaluation Start Date: 20020116
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19870819
Handler Name: FLAVORICH INC GARAGE
Source Type: Notification

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20020204
Handler Name: FLAVORICH INC GARAGE
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	1100 S CHURCH STREET
Name:	FLAVORICH INC	Street 2:	
Date Became Current:		City:	FLORENCE
Date Ended Current:		State:	SC
Phone:	999-999-9999	Country:	
Source Type:	Notification	Zip Code:	29504
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	OPERSTREET
Name:	OPERNAME	Street 2:	
Date Became Current:		City:	OPERCITY
Date Ended Current:		State:	WY
Phone:	404-555-1212	Country:	
Source Type:	Notification	Zip Code:	99999

Historical Handler Details

Receive Dt: 19870819
Generator Code Description: Very Small Quantity Generator
Handler Name: FLAVORICH INC GARAGE

1	2 of 13	NNW	0.02 / 84.22	112.70 / 6	PENSKE TRUCK LEASING 1100 SOUTH CHURCH ST FLORENCE SC 29506	RCRA VSQG
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EPA Handler ID: SCR000002808
Gen Status Universe: VSG
Contact Name: ANDREW CULLEN
Contact Address: PO BOX 7635 , , READING , PA, 19603 , US
Contact Phone No and Ext: 610-775-6406
Contact Email:
Contact Country: US
County Name: FLORENCE
EPA Region: 04
Land Type: Private
Receive Date: 20010515
Location Latitude: 34.181433
Location Longitude: -79.761313

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Apr, 2024.

Evaluation Details

Evaluation Start Date: 20020201

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19980706
Handler Name:	PENSKE TRUCK LEASING
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20010515
Handler Name:	PENSKE TRUCK LEASING
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D039
Waste Code Description:	TETRACHLOROETHYLENE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	PO BOX 7635
Name:	PENSKE TRUCK LEASING	Street 2:	
Date Became Current:	20010515	City:	READING
Date Ended Current:		State:	PA
Phone:	610-775-6406	Country:	
Source Type:	Notification	Zip Code:	19603

Historical Handler Details

Receive Dt:	19980706
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator Code Description:		Very Small Quantity Generator				
Handler Name:		PENSKE TRUCK LEASING				
1	3 of 13	NNW	0.02 / 84.22	112.70 / 6	PENSKE TRUCK LEASING 1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339	FINDS/FRS
Registry ID:		110002251786				
FIPS Code:		45041				
HUC Code:		03040201				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		01-MAR-00				
Update Date:		09-AUG-10				
Interest Types:		STATE MASTER, VSQG				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEOCODE				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		06				
Census Block Code:		450410007003016				
EPA Region Code:		04				
County Name:		FLORENCE				
US/Mexico Border Ind:						
Latitude:		34.17694				
Longitude:		-79.76157				
Reference Point:		CENTER OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002251786				
Data Source:		Facility Registry Service - Single File				
Program Acronyms:						
RCRAINFO:SCR000002808, SC-EFIS:SC0000010529						
1	4 of 13	NNW	0.02 / 84.22	112.70 / 6	PET DAIRY 1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339	FINDS/FRS
Registry ID:		110002100574				
FIPS Code:		45041				
HUC Code:		03040201				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		01-MAR-00				
Update Date:		09-NOV-15				
Interest Types:		AIR MINOR, STATE MASTER, TRI REPORTER, UNSPECIFIED UNIVERSE				
SIC Codes:		2024, 2026				
SIC Code Descriptions:		FLUID MILK, ICE CREAM AND FROZEN DESSERTS				
NAICS Codes:		311511, 311520				
NAICS Code Descriptions:		FLUID MILK MANUFACTURING., ICE CREAM AND FROZEN DESSERT MANUFACTURING.				
Conveyor:		FRS-TRIS				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Congressional Dist No:	06					
Census Block Code:	450410007003022					
EPA Region Code:	04					
County Name:	FLORENCE					
US/Mexico Border Ind:						
Latitude:	34.17744					
Longitude:	-79.76156					
Reference Point:	CENTER OF A FACILITY OR STATION					
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER					
Accuracy Value:	30					
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002100574					
Data Source:	Facility Registry Service - Single File					
Program Acronyms:						

AIR:SC00010400108, AIRS/AFS:4504100108, RCRAINFO:SCD982107799, SC-EFIS:SC0000003738, TRIS:29504FLVRC1100S

<u>1</u>	5 of 13	NNW	0.02 / 84.22	112.70 / 6	LAND-O-SUN DAIRIES LLC 1100 S CHURCH ST, FLORENCE SC 29506 SC	SASPL
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EPA ID: SCS123457488

Site Assessment Section Project List (SASPL)

County: FLORENCE

<u>1</u>	6 of 13	NNW	0.02 / 84.22	112.70 / 6	PET DAIRY 1100 S CHURCH ST FLORENCE SC 29506	UST
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Site ID:	003371	Facility ID (Prohib):	
Permit:	N 03371	Fac Name (Prohib):	
Category:		Fac Addr (Prohib):	
No of Tanks:	5	Fac City (Prohib):	
Billable:	0	Facility Name (Web):	PET DAIRY
Abandoned:	5	Facility Addr (Web):	1100 S CHURCH ST
Other:	0	Facility City (Web):	FLORENCE
Last Inspection:		Zip Code (Web):	29506
Facility Name:	PET DAIRY	County (Web):	FLORENCE
Facility Address:	1100 S CHURCH ST	Phone (Web):	843-665-6866
Facility Zip:	29506	Tank Owner Phone:	
Facility Phone:	843-665-6866	Land Owner Phone:	
Facility State:	SC	Operator Phone:	
Facility City:	FLORENCE	Facility Contact:	EARL LINER
County Code:	21		
Business Address:	1100 S CHURCH ST FLORENCE SC 29506		
Tank Owner Business Address:	FLAV O RICH DAIRY PO BOX 3785 EAU CLAIR STATION COLUMBIA SC 29230-3785		
Land Owner Business Address:			
Operator Business Address:			
Facility Link:	https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/03371		
Source:	DHEC Underground Storage Tank Registry (Web); DHEC Management Tracking UST 'C' List		

Tank Information - UST Registry Search

Tank No:	2	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	PET DAIRY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status: Capacity: Variance: Product: Overfill Type: Verified: Constr Date: Operat Date: Notify: Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det:	Abandoned 8000 Gasoline 5/27/1987 25 				Last Use: Aband: Method: Under Dispnr Cont: Drop Tube: Tank Const: Tank Protect: Tank Tested: Tank Cont Meth: Pipe Cont Meth: Pipe Protect: Pipe Tested: Pipe Const: Piping Type:	 4/8/1993 Removed False False Steel Single wall Single wall Steel
Tank No: Case No: Class: Status: Capacity: Variance: Product: Overfill Type: Verified: Constr Date: Operat Date: Notify: Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det:	5 N Abandoned 500 Waste oil, burnt oil, used oil 5/27/1987 15 				Chem: Left Gal: Owner at ABD: Last Use: Aband: Method: Under Dispnr Cont: Drop Tube: Tank Const: Tank Protect: Tank Tested: Tank Cont Meth: Pipe Cont Meth: Pipe Protect: Pipe Tested: Pipe Const: Piping Type:	 PET DAIRY 4/8/1993 Removed False False Steel Single wall Single wall Steel
Tank No: Case No: Class: Status: Capacity: Variance: Product: Overfill Type: Verified: Constr Date: Operat Date: Notify: Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det:	3 N Abandoned 10000 Diesel fuel 5/27/1987 20 				Chem: Left Gal: Owner at ABD: Last Use: Aband: Method: Under Dispnr Cont: Drop Tube: Tank Const: Tank Protect: Tank Tested: Tank Cont Meth: Pipe Cont Meth: Pipe Protect: Pipe Tested: Pipe Const: Piping Type:	 PET DAIRY 4/8/1993 Removed False False Steel Single wall Single wall Steel
Tank No: Case No: Class: Status: Capacity: Variance: Product: Overfill Type: Verified: Constr Date: Operat Date: Notify:	1 N Abandoned 10000 Diesel fuel 5/27/1987				Chem: Left Gal: Owner at ABD: Last Use: Aband: Method: Under Dispnr Cont: Drop Tube: Tank Const: Tank Protect: Tank Tested: Tank Cont Meth:	 PET DAIRY 4/8/1993 Removed False False Steel Single wall

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det:	25				Pipe Cont Meth: Single wall Pipe Protect: Pipe Tested: Pipe Const: Steel Piping Type:	
Tank No: Case No: Class: Status: Capacity: Variance: Product: Overfill Type: Verified: Constr Date: Operat Date: Notify: Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det:	4	N Abandoned 10000 Diesel fuel			Chem: Left Gal: Owner at ABD: PET DAIRY Last Use: Aband: 4/8/1993 Method: Removed Under Dispnr Cont: False Drop Tube: False Tank Const: Steel Tank Protect: Tank Tested: Tank Cont Meth: Single wall Pipe Cont Meth: Single wall Pipe Protect: Pipe Tested: Pipe Const: Steel Piping Type:	
Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det:	20					
<u>Tank Information - UST 'C' List</u>						
Tank No: Capacity Gal: Status Code: Status: Substance: Age at Notif. Years: Owner: Tank Owner Contact: Address: Tank Owner City:	5	ABD Abandoned WO 15 FLAV O RICH DAIRY			Tank Owner State: SC Tank Owner Zip: 29230-3785 Tank Owner Phone: Facility: PET DAIRY Contact 1: EARL LINER Phone 1: 843-665-6866 Address 1: 1100 S CHURCH ST City 1: FLORENCE St 1: SC Zip 1: 29506	
Tank No: Capacity Gal: Status Code: Status: Substance: Age at Notif. Years: Owner: Tank Owner Contact: Address: Tank Owner City:	1	ABD Abandoned DL 25 FLAV O RICH DAIRY			Tank Owner State: SC Tank Owner Zip: 29230-3785 Tank Owner Phone: Facility: PET DAIRY Contact 1: EARL LINER Phone 1: 843-665-6866 Address 1: 1100 S CHURCH ST City 1: FLORENCE St 1: SC Zip 1: 29506	
Tank No: Capacity Gal: Status Code: Status: Substance: Age at Notif. Years: Owner: Tank Owner Contact: Address: Tank Owner City:	3	ABD Abandoned DL 20 FLAV O RICH DAIRY			Tank Owner State: SC Tank Owner Zip: 29230-3785 Tank Owner Phone: Facility: PET DAIRY Contact 1: EARL LINER Phone 1: 843-665-6866 Address 1: 1100 S CHURCH ST City 1: FLORENCE St 1: SC Zip 1: 29506	
Tank No: Capacity Gal: Status Code: Status: Substance:	2	ABD Abandoned GN			Tank Owner State: SC Tank Owner Zip: 29230-3785 Tank Owner Phone: Facility: PET DAIRY Contact 1: EARL LINER	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Age at Notif. Years:	25				Phone 1:	843-665-6866
Owner:	FLAV O RICH DAIRY				Address 1:	1100 S CHURCH ST
Tank Owner Contact:	W LINER				City 1:	FLORENCE
Address:	PO BOX 3785 EAU CLAIR STATION				St 1:	SC
Tank Owner City:	COLUMBIA				Zip 1:	29506
Tank No:	4				Tank Owner State:	SC
Capacity Gal:	10000				Tank Owner Zip:	29230-3785
Status Code:	ABD				Tank Owner Phone:	
Status:	Abandoned				Facility:	PET DAIRY
Substance:	DL				Contact 1:	EARL LINER
Age at Notif. Years:	20				Phone 1:	843-665-6866
Owner:	FLAV O RICH DAIRY				Address 1:	1100 S CHURCH ST
Tank Owner Contact:	W LINER				City 1:	FLORENCE
Address:	PO BOX 3785 EAU CLAIR STATION				St 1:	SC
Tank Owner City:	COLUMBIA				Zip 1:	29506

<u>1</u>	7 of 13	NNW	0.02 / 84.22	112.70 / 6	PET DAIRY 1100 S CHURCH ST FLORENCE SC 29506	LUST
Site ID:	003371				Site No (EFIS):	
Permit:	N 03371				Facility Name (EFIS):	
Category:					Fac Address (EFIS):	
No of Tanks:	5				Facility City (EFIS):	
Billable:	0				Facility State (EFIS):	
Abandoned:	5				Facility Zip (EFIS):	
Other:	0				Facility (Web):	PET DAIRY
Last Inspection:					Address (Web):	1100 S CHURCH ST
Facility:	PET DAIRY				City (Web):	FLORENCE
Facility Street:	1100 S CHURCH ST				Zip Code (Web):	29506
Facilit City:	FLORENCE				County (Web):	FLORENCE
Facility State :	SC				Phone (Web):	843-665-6866
Facility Zip:	29506				Tank Owner Phone:	
County Code:	21				Land Owner Phone:	
Fac County:	Florence				Operator Phone:	
Business Address:	1100 S CHURCH ST FLORENCE SC 29506					
Tank Owner Business Addr:	FLAV O RICH DAIRY PO BOX 3785 EAU CLAIR STATION COLUMBIA SC 29230-3785					
Land Owner Business Addr:						
Operator Business Addr:						
Facility Link:	https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/03371					
Data Source:	DHEC Underground Storage Tank Registry (Web); DHEC Confirmed Release Report (LUST)					

DHEC Online Registry - Release Report

Release No:	1
Project Manager:	DUBOIS, PAMELA M
Reported:	4/9/1993
Confirmed:	11/9/1993
RBCA/ Score:	/
Product:	
Compliance Req:	False
NFA:	11/18/1993
Fin Type:	Unknown
Fin Res Mechanism:	
Abatement Met:	4/8/1993
Cleanup Initiated:	11/9/1993
Cleanup Complete:	11/18/1993
Cleanup MCL:	
Compliance Date:	
Compliance Met:	False
Emergency Resp:	
Responsible Party:	MID-AMERICA DAIRYMEN INC
Superb Determ Date:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Superb Qualified:
Transferred:
Source:

UST

DHEC Confirmed Release Report

Release No:	1	Confirmed:	11/09/93
NFA:	11/18/93	Tank Owner:	FLAV O RICH DAIRY
Product:	PETRO	Status Desc:	
Proj Mgr:	DUBOISPM	Score:	
Reported:	04/09/93	Rank:	
Rank Desc:			
Facility:	PET DAIRY		
Facility Street:	1100 S CHURCH ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29506		
Facility State:	SC		

1	8 of 13	NNW	0.02 / 84.22	112.70 / 6	PET DAIRY 1100 S CHURCH ST FLORENCE SC	DELISTED LST
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Delisted Leaking Above Ground Storage Tanks Details

Site ID:	18238
Release No:	1
Project Manager:	COLEMABJ
Status:	NFA
Impacted Code:	
Type:	S
Release Date:	02/21/12
Confirmed:	
NFA Dt:	01/07/15
Transfer:	
Product:	PETRO
Source:	SPILL
Tier:	
Truncated Note:	NOTE: many records provided by the department have a truncated company name and address field.
Soil Impact Code:	
User Name:	
Release Xfer Date:	
Suspect NFA Date:	
Release Source Code:	
Cleanup Complete Dt:	
Local Fac Last Name:	
Local Fac First Name:	
Address 2:	
State Code:	
County:	Florence
Zip Code:	
Local Fac County:	
District Code:	
Rp Identifier 1:	
Rp Identifier 2:	
Product 2:	
Product 3:	
Product 4:	
Source 2:	
Source 3:	
Source 4:	
Original Source:	LAST
Record Date:	06-MAR-2020

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	9 of 13	NNW	0.02 / 84.22	112.70 / 6	PET DAIRY 1100 S CHURCH ST FLORENCE SC 29504	TRIS

TRI FD: 29504FLVRC1100S
FRS ID: 110002100574
BIA:
Tribe:
Facility Name: PET DAIRY
Street Address: 1100 S CHURCH ST
City: FLORENCE
County: FLORENCE
State: SC
Zip: 29504
Latitude: 34.177440
Longitude: -79.761560

1987 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007664382	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

NO

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0001310732	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Sodium hydroxide (solution)		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Industry Sector Code:	311
Industry Sector:	Food
Parent Co Name:	DEAN FOODS
On Site Release Total:	0.000000
Off Site Release Total:	0.000000
Off Site Recycled Total:	0.000000
Total Releases:	0.000000
One Time Release:	

Horizontal Datum:

NAD83

CAS No:

1310-73-2

PFAS:

NO

PBT:

NO

1989 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007664382	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

NO

1990 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Federal Facility:	NO				Underground CL I:	0.000000
Cas No Compound ID:	0007664382				Underground C II-V:	0.000000
Classification:	TRI				Landfills:	0.000000
Primary SIC:	2026				RCRA C Landfill:	0.000000
Primary NAICS:	311511				Other Landfills:	0.000000
Metal:	NO				Land Treatment:	0.000000
Carcinogen:	NO				Surface Impndmnt:	0.000000
Fugitive Air:	0.000000				RCRA Surface IM:	0.000000
Stack Air:	0.000000				Other Surface I:	0.000000
Water:	0.000000				Other Disposal:	0.000000
Chemical:		Phosphoric acid				
Industry Sector Code:		311				
Industry Sector:		Food				
Parent Co Name:		DEAN FOODS				
On Site Release Total:		0.000000				
Off Site Release Total:		0.000000				
Off Site Recycled Total:		0.000000				
Total Releases:		0.000000				
One Time Release:						

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

NO

1991 Details

TRI FD:	29504FLVRC1100S				Underground:	0.000000
Federal Facility:	NO				Underground CL I:	0.000000
Cas No Compound ID:	0007664382				Underground C II-V:	0.000000
Classification:	TRI				Landfills:	0.000000
Primary SIC:	2066				RCRA C Landfill:	0.000000
Primary NAICS:	311320				Other Landfills:	0.000000
Metal:	NO				Land Treatment:	0.000000
Carcinogen:	NO				Surface Impndmnt:	0.000000
Fugitive Air:	0.000000				RCRA Surface IM:	0.000000
Stack Air:	0.000000				Other Surface I:	0.000000
Water:	0.000000				Other Disposal:	0.000000
Chemical:		Phosphoric acid				
Industry Sector Code:		311				
Industry Sector:		Food				
Parent Co Name:		DEAN FOODS				
On Site Release Total:		0.000000				
Off Site Release Total:		0.000000				
Off Site Recycled Total:		0.000000				
Total Releases:		0.000000				
One Time Release:						

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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NO

PBT:

NO

1992 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007664382	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impdmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

NO

2002 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impdmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Total Releases: 0.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

2003 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

2004 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Carcinogen:	NO				Surface Impndmnt:	0.000000
Fugitive Air:	0.000000				RCRA Surface IM:	0.000000
Stack Air:	0.000000				Other Surface I:	0.000000
Water:	0.000000				Other Disposal:	0.000000
Chemical:		Nitric acid				
Industry Sector Code:		311				
Industry Sector:		Food				
Parent Co Name:		DEAN FOODS				
On Site Release Total:	0.000000					
Off Site Release Total:	0.000000					
Off Site Recycled Total:	0.000000					
Total Releases:	0.000000					
One Time Release:						
Horizontal Datum:						
NAD83						
CAS No:						
7697-37-2						
PFAS:						
NO						
PBT:						
NO						

2006 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:		RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			
Horizontal Datum:			
NAD83			
CAS No:			
7697-37-2			
PFAS:			
NO			
PBT:			
NO			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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2007 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:		RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

2008 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:		RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

2009 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:		RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

1	10 of13	NNW	0.02 / 84.22	112.70 / 6	LAND-O-SUN DAIRIES LLC 1100 S CHURCH ST FLORENCE SC	BROWNFIELDS
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Cont No:	20-6143-NRP"	Person Company:	SOUTH CHURCH PROPERTY HOLDINGS LLC
Con Type Code:	NRP: Non-Responsible Party	Contract Manager:	STANBERY CHRISTOPHER A
COC Date Issued:		Contract Executed:	10/15/2020
Acerage:	9.05	County:	Florence
Data Source(s):	Brownfields Sites Listing		

1	11 of13	NNW	0.02 / 84.22	112.70 / 6	LAND-O-SUN DAIRIES LLC 1100 S CHURCH ST FLORENCE SC 29506	VCP
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
File No:	58068				Latitude/Longitude: 34.17678, -79.76061	
Project Status Code:	COMP				Brownfields Type:	
Restrict Filed Dt:	Not yet recorded.				Funds 128(A) Utilized:	No
Project Complete Dt:	Not yet completed.				Resp Action Planned:	No
Execute Date:	10/15/2020				Acreage:	9.05
Cleanup Contract Complete Dt:						
Contamination on Site:	Volatile Organic Compounds					
Owner:	LAND-O-SUN DAIRIES LLC					
Land Use Restriction:	We do not have enough information yet to determine whether restrictions will be required.					

<u>1</u>	12 of 13	NNW	0.02 / 84.22	112.70 / 6	PET DAIRY 1100 S CHURCH ST FLORENCE SC	DELISTED LST
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Delisted Leaking Above Ground Storage Tanks Details

Site ID: 18238
 Release No: 1
 Project Manager: COLEMABJ
 Status: NFA
 Impacted Code:
 Type: S
 Release Date: 02/21/12
 Confirmed:
 NFA Dt: 01/07/15
 Transfer:
 Product: PETRO
 Source: SPILL
 Tier:
 Truncated Note:
 Soil Impact Code:
 User Name:
 Release Xfer Date:
 Suspect NFA Date:
 Release Source Code:
 Cleanup Complete Dt:
 Local Fac Last Name:
 Local Fac First Name:
 Address 2:
 State Code:
 County: Florence
 Zip Code:
 Local Fac County:
 District Code:
 Rp Identifier 1:
 Rp Identifier 2:
 Product 2:
 Product 3:
 Product 4:
 Source 2:
 Source 3:
 Source 4:
 Original Source: LAST
 Record Date: 12-JAN-2021

<u>1</u>	13 of 13	NNW	0.02 / 84.22	112.70 / 6	PET DAIRY 1100 S CHURCH ST FLORENCE SC 29504	AFS
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Afs ID: 4504100108
 Plant ID: 1000582
 Epa Region: 04
 Plant County: Florence
 Fed Reportable: No
 Current Hpv:
 Loc Contrl Region:
 Afs Gov Fac Code: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State No:	45				Operating Status:	X
Primary Sic Code:	2024				Epa Class Code:	B
Secondary Sic Code:	2026				Epa Complian Stat:	8
Naics Code:	311520				State Comp Status:	8
Afs Gov Facility Des:		PRIVATELY OWNED/OPERATED				
Operating Status Def:		Permanently Closed				
Epa Classification Des:		Potential uncontrolled emissions <100 tons/year				
Epa Compliance Status:		No Applicable State Regulation				
State Compliance Status:		No Applicable State Regulation				

Actions

Plant ID:	1000582	National Actn Type:	PS
Anu1:	2	All Air Prog Codes:	0
Date Achieved:	20070109	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20071130	Violating Poll Cds:	
Creation Date:		Violation Type Cds:	
Key Action No:			
Regional Data Element:	1		
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1000582	National Actn Type:	PS
Anu1:	3	All Air Prog Codes:	0
Date Achieved:	20090825	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20090922	Violating Poll Cds:	
Creation Date:	20080325	Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1000582	National Actn Type:	PS
Anu1:	5	All Air Prog Codes:	0
Date Achieved:	20100827	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20100915	Violating Poll Cds:	
Creation Date:	20091130	Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1000582	National Actn Type:	PS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Anu1:	7				All Air Prog Codes:	0
Date Achieved:	20120719				Result Code:	01
Penalty Amount:	0				Pollutant Code:	
Record Updated Dt:	20120809				Violating Poll Cds:	
Creation Date:	20120809				Violation Type Cds:	
Key Action No:						
Regional Data Element:						
National Action Desc:		STATE PCE/ON-SITE				
All Air Program Def:		0-SIP Source				
Result Def:						
Pollutant Def:						
All Violating Poll Def:						
All Violation Type Def:						

Actions

Plant ID:	1000582	National Actn Type:	PS
Anu1:	4	All Air Prog Codes:	0
Date Achieved:	20080926	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20090922	Violating Poll Cds:	
Creation Date:	20081015	Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:		STATE PCE/ON-SITE	
All Air Program Def:		0-SIP Source	
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1000582	National Actn Type:	PS
Anu1:	1	All Air Prog Codes:	0
Date Achieved:	20040726	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20071130	Violating Poll Cds:	
Creation Date:		Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:		STATE PCE/ON-SITE	
All Air Program Def:		0-SIP Source	
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Historical Compliance - Air Program Level

Air Program Code:	0
Air Program Code Ref:	SIP Source
Historical Compliance Date:	0604, 0701, 0702, 0703, 0704, 0801, 0802, 0803, 0804, 0901, 0902, 0903, 0904, 1001, 1002, 1003, 1004, 1101, 1102, 1103
Historical Compliance Status:	4
Historical Compliance Stat Ref:	In Compliance - Certification

Historical Compliance - Air Program Level

Air Program Code:	0
Air Program Code Ref:	SIP Source
Historical Compliance Date:	1104, 1201, 1202, 1203, 1204, 1301, 1302, 1303, 1304, 1401, 1402, 1403
Historical Compliance Status:	8
Historical Compliance Stat Ref:	No Applicable State Regulation

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Air Program

Plant ID:	1000582	Poll Classificatn:	C
Air Program Code:	0	Poll Compli Status:	8
Air Program Status:	X	Epa Class Code:	B
Pollutant Code:	ADMIN	Epa Compli Status:	8
Chemical Abstract Service			
Nmbr:			
Air Program Code Subparts:			
Air Program Code Ref:	SIP Source		
Epa Classification Code Ref:	Potential uncontrolled emissions <100 tons/year		
Epa Compliance Status Ref:	No Applicable State Regulation		
Pollutant Code Ref:			
Pollutant Classification Ref:	Class is unknown.		
Pollutant Complian Status Ref:	No Applicable State Regulation		

Air Program

Plant ID:	1000582	Poll Classificatn:	ND
Air Program Code:	0	Poll Compli Status:	8
Air Program Status:	X	Epa Class Code:	B
Pollutant Code:	PX	Epa Compli Status:	8
Chemical Abstract Service			
Nmbr:			
Air Program Code Subparts:			
Air Program Code Ref:	SIP Source		
Epa Classification Code Ref:	Potential uncontrolled emissions <100 tons/year		
Epa Compliance Status Ref:	No Applicable State Regulation		
Pollutant Code Ref:			
Pollutant Classification Ref:	Major Source thresholds are not defined.		
Pollutant Complian Status Ref:	No Applicable State Regulation		

Air Program

Plant ID:	1000582	Poll Classificatn:	B
Air Program Code:	0	Poll Compli Status:	9
Air Program Status:	X	Epa Class Code:	B
Pollutant Code:	SO2	Epa Compli Status:	8
Chemical Abstract Service			
Nmbr:			
Air Program Code Subparts:			
Air Program Code Ref:	SIP Source		
Epa Classification Code Ref:	Potential uncontrolled emissions <100 tons/year		
Epa Compliance Status Ref:	No Applicable State Regulation		
Pollutant Code Ref:			
Pollutant Classification Ref:	Potential uncontrolled emissions <100 tons/year		
Pollutant Complian Status Ref:	In Compliance - Shut Down		

2	1 of 7	N	0.17 / 898.25	116.91 / 10	RENTAL UNIFORM SERVICE 906 S CHURCH ST, FLORENCE SC 29504 SC	SASPL
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EPA ID: SCS123457584

Site Assessment Section Project List (SASPL)

County: FLORENCE

2	2 of 7	N	0.17 / 898.25	116.91 / 10	RENTAL UNIFORM SERVICE 906 S CHURCH ST	UST
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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FLORENCE SC 29504

Site ID:	014312	Facility ID (Prohib):	
Permit:	N 14312	Fac Name (Prohib):	
Category:		Fac Addr (Prohib):	
No of Tanks:	4	Fac City (Prohib):	
Billable:	0	Facility Name (Web):	RENTAL UNIFORM SERVICE
Abandoned:	4	Facility Addr (Web):	906 S CHURCH ST
Other:	0	Facility City (Web):	FLORENCE
Last Inspection:		Zip Code (Web):	29504
Facility Name:	RENTAL UNIFORM SERVICE	County (Web):	FLORENCE
Facility Address:	906 S CHURCH ST	Phone (Web):	843-669-4444
Facility Zip:	29504	Tank Owner Phone:	843-669-4444
Facility Phone:	843-669-4444	Land Owner Phone:	
Facility State:	SC	Operator Phone:	
Facility City:	FLORENCE	Facility Contact:	RAY GIBSON
County Code:	21		
Business Address:	906 S CHURCH ST FLORENCE SC 29504		
Tank Owner Business Address:	RENTAL UNIFORM SERVICE PO BOX 12410 FLORENCE SC 29504-0410		
Land Owner Business Address:			
Operator Business Address:			
Facility Link:	https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/14312		
Source:	DHEC Underground Storage Tank Registry (Web); DHEC Management Tracking UST 'C' List		

Tank Information - UST Registry Search

Tank No:	3	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	RENTAL UNIFORM SERVICE
Status:	Abandoned	Last Use:	
Capacity:	12000	Aband:	12/16/1991
Variance:		Method:	Removed
Product:	Diesel fuel	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:		Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:		Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Tank No:	2	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	RENTAL UNIFORM SERVICE
Status:	Abandoned	Last Use:	
Capacity:	20000	Aband:	12/16/1991
Variance:		Method:	Removed
Product:	Diesel fuel	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:		Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:		Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Pipe Leak Det:

Tank No:	1	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	RENTAL UNIFORM SERVICE
Status:	Abandoned	Last Use:	
Capacity:	20000	Aband:	12/13/1991
Variance:		Method:	Removed
Product:	Gasoline	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:		Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:		Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Tank No:	4	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	RENTAL UNIFORM SERVICE
Status:	Abandoned	Last Use:	
Capacity:	500	Aband:	12/16/1991
Variance:		Method:	Removed
Product:	Waste oil, burnt oil, used oil	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:		Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:		Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Tank Information - UST 'C' List

Tank No:	3	Tank Owner State:	SC
Capacity Gal:	12000	Tank Owner Zip:	29504
Status Code:	ABD	Tank Owner Phone:	843-669-4444
Status:	Abandoned	Facility:	RENTAL UNIFORM SERVICE
Substance:	DL	Contact 1:	RAY GIBSON
Age at Notif. Years:		Phone 1:	843-669-4444
Owner:	RENTAL UNIFORM SERVICE	Address 1:	906 S CHURCH ST
Tank Owner Contact:	RAY GIBSON	City 1:	FLORENCE
Address:	906 S CHURCH ST	St 1:	SC
Tank Owner City:	FLORENCE	Zip 1:	29504

Tank No:	2	Tank Owner State:	SC
Capacity Gal:	20000	Tank Owner Zip:	29504
Status Code:	ABD	Tank Owner Phone:	843-669-4444
Status:	Abandoned	Facility:	RENTAL UNIFORM SERVICE
Substance:	DL	Contact 1:	RAY GIBSON
Age at Notif. Years:		Phone 1:	843-669-4444
Owner:	RENTAL UNIFORM SERVICE	Address 1:	906 S CHURCH ST
Tank Owner Contact:	RAY GIBSON	City 1:	FLORENCE
Address:	906 S CHURCH ST	St 1:	SC
Tank Owner City:	FLORENCE	Zip 1:	29504

Tank No:	4	Tank Owner State:	SC
Capacity Gal:	500	Tank Owner Zip:	29504

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status Code:	ABD				Tank Owner Phone:	843-669-4444
Status:	Abandoned				Facility:	RENTAL UNIFORM SERVICE
Substance:	WO				Contact 1:	RAY GIBSON
Age at Notif. Years:					Phone 1:	843-669-4444
Owner:	RENTAL UNIFORM SERVICE				Address 1:	906 S CHURCH ST
Tank Owner Contact:	RAY GIBSON				City 1:	FLORENCE
Address:	906 S CHURCH ST				St 1:	SC
Tank Owner City:	FLORENCE				Zip 1:	29504
Tank No:	1				Tank Owner State:	SC
Capacity Gal:	20000				Tank Owner Zip:	29504
Status Code:	ABD				Tank Owner Phone:	843-669-4444
Status:	Abandoned				Facility:	RENTAL UNIFORM SERVICE
Substance:	GN				Contact 1:	RAY GIBSON
Age at Notif. Years:					Phone 1:	843-669-4444
Owner:	RENTAL UNIFORM SERVICE				Address 1:	906 S CHURCH ST
Tank Owner Contact:	RAY GIBSON				City 1:	FLORENCE
Address:	906 S CHURCH ST				St 1:	SC
Tank Owner City:	FLORENCE				Zip 1:	29504

<u>2</u>	3 of 7	N	0.17 / 898.25	116.91 / 10	RENTAL UNIFORM SERVICE 906 S CHURCH ST FLORENCE SC 29504	LUST
Site ID:	014312				Site No (EFIS):	
Permit:	N 14312				Facility Name (EFIS):	
Category:					Fac Address (EFIS):	
No of Tanks:	4				Facility City (EFIS):	
Billable:	0				Facility State (EFIS):	
Abandoned:	4				Facility Zip (EFIS):	
Other:	0				Facility (Web):	RENTAL UNIFORM SERVICE
Last Inspection:					Address (Web):	906 S CHURCH ST
Facility:	RENTAL UNIFORM SERVICE				City (Web):	FLORENCE
Facility Street:	906 S CHURCH ST				Zip Code (Web):	29504
Facilit City:	FLORENCE				County (Web):	FLORENCE
Facility State :	SC				Phone (Web):	843-669-4444
Facility Zip:	29504				Tank Owner Phone:	843-669-4444
County Code:	21				Land Owner Phone:	
Fac County:	Florence				Operator Phone:	
Business Address:	906 S CHURCH ST FLORENCE SC 29504					
Tank Owner Business Addr:	RENTAL UNIFORM SERVICE PO BOX 12410 FLORENCE SC 29504-0410					
Land Owner Business Addr:						
Operator Business Addr:						
Facility Link:	https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/14312					
Data Source:	DHEC Underground Storage Tank Registry (Web); DHEC Confirmed Release Report (LUST)					

DHEC Online Registry - Release Report

Release No:	1
Project Manager:	WRIGHT, JOHN
Reported:	12/31/1991
Confirmed:	6/11/1992
RBCA/ Score:	/
Product:	
Compliance Req:	False
NFA:	10/25/1993
Fin Type:	
Fin Res Mechanism:	
Abatement Met:	12/13/1991
Cleanup Initiated:	3/12/1993
Cleanup Complete:	10/25/1993
Cleanup MCL:	
Compliance Date:	
Compliance Met:	False

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Emergency Resp:
Responsible Party: RENTAL UNIFORM SERVICE
Superb Determ Date:
Superb Qualified:
Transferred:
Source: UST

DHEC Confirmed Release Report

Release No:	1	Confirmed:	06/11/92
NFA:	10/25/93	Tank Owner:	RENTAL UNIFORM SERVICE
Product:	PETRO	Status Desc:	
Proj Mgr:	WRIGHTJW	Score:	
Reported:	12/31/91	Rank:	
Rank Desc:			
Facility:	RENTAL UNIFORM SERVICE		
Facility Street:	906 S CHURCH ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29504		
Facility State:	SC		

2	4 of 7	N	0.17 / 898.25	116.91 / 10	RUSF LLC 906 SOUTH CHURCH ST FLORENCE SC 29506	RCRA SQG
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EPA Handler ID: SCR000781724
Gen Status Universe: Small Quantity Generator
Contact Name: JEFFREY WAGGONER
Contact Address: PO BOX 12410 , , FLORENCE , SC, 29504 , US
Contact Phone No and Ext: 407-920-8145
Contact Email: BOBBLEFROB@MAC.COM
Contact Country: US
County Name: FLORENCE
EPA Region: 04
Land Type: Private
Receive Date: 20230130
Location Latitude: 34.181433
Location Longitude: -79.761313

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Sequence No: 1
 Receive Date: 20151007
 Handler Name: RUSF LLC
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Hazardous Waste Code: D039
 Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Handler Details

Sequence No: 2
 Receive Date: 20160519
 Handler Name: RUSF LLC
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Hazardous Waste Code: D039
 Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Handler Details

Sequence No: 3
 Receive Date: 20221118
 Handler Name: RUSF LLC
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Hazardous Waste Code: D039
 Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Handler Details

Sequence No: 4
 Receive Date: 20230130
 Handler Name: RUSF LLC
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Hazardous Waste Code: D039
 Waste Code Description: TETRACHLOROETHYLENE

Owner/Operator Details

Owner/Operator Ind: Current Owner
 Street No:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Type: Private Name: RUSF LLC Date Became Current: 20151007 Date Ended Current: Phone: 407-920-8145 Source Type: Notification					Street 1: PO BOX 12410 Street 2: City: FLORENCE State: SC Country: US Zip Code: 29504	
Owner/Operator Ind: Current Operator Type: Private Name: RUSF LLC Date Became Current: 20151007 Date Ended Current: Phone: 407-920-8145 Source Type: Notification					Street No: Street 1: PO BOX 12410 Street 2: City: FLORENCE State: SC Country: US Zip Code: 29504	
<u>Historical Handler Details</u>						
Receive Dt: 20221118 Generator Code Description: Small Quantity Generator Handler Name: RUSF LLC						
Receive Dt: 20160519 Generator Code Description: Small Quantity Generator Handler Name: RUSF LLC						
Receive Dt: 20151007 Generator Code Description: Small Quantity Generator Handler Name: RUSF LLC						
2	5 of 7	N	0.17 / 898.25	116.91 / 10	RENTAL UNIFORM SERVICE 906 S CHURCH ST FLORENCE SC 29504	VCP
File No: 418442 Project Status Code: ACTIVE Restrict Filed Dt: Not yet recorded. Project Complete Dt: Not yet completed. Execute Date: 6/30/2016 Cleanup Contract Complete Dt: Contamination on Site: Volatile Organic Compounds Owner: RENTAL UNIFORM SERVICE Land Use Restriction: We do not have enough information yet to determine whether restrictions will be required.					Latitude/Longitude: 34.17878, -79.76022 Brownfields Type: Funds 128(A) Utilized: No Resp Action Planned: No Acreage:	
2	6 of 7	N	0.17 / 898.25	116.91 / 10	Rental Uniform Service - Florence Site 906 South Church Street Florence SC	REMEDIATION
LWM File No: 41822 Date: 06/30/2016 County: Florence Tax Map Serial No: 00149-01-009 Location: The Property includes approximately 17.10 acres and is bounded generally by South Church Street on the west; the former Land-O-Sun Dairies facility on the south; residential properties and June Lane on the east; and commercial property and East Prout Drive on the north. Document Title: Responsible Party Voluntary Cleanup Contract Document URL: https://scdhec.gov/sites/default/files/docs/HomeAndEnvironment/Docs/6247_41822_rpvcc.pdf Attachments URL:					Lead Proj Mngr: Addie Walker Lead Proj Mngr Email: walkeras@dhec.sc.gov	
2	7 of 7	N	0.17 / 898.25	116.91 / 10	RENTAL UNIFORM SERVICE 906 S CHURCH ST FLORENCE SC	DELISTED LST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Delisted Leaking Above Ground Storage Tanks Details

Site ID: 631
Release No: 1
Project Manager: WRIGHT JOHN
Status: CLOSED
Impacted Code: NO
Type:
Release Date: 3/30/1995
Confirmed:
NFA Dt: 4/7/1995
Transfer:
Product:
Source:
Tier:
Truncated Note:
Soil Impact Code:
User Name: WRIGHTJW
Release Xfer Date:
Suspect NFA Date: 4/7/1995
Release Source Code:
Cleanup Complete Dt:
Local Fac Last Name: RENTAL UNIFORM SERVICE
Local Fac First Name:
Address 2:
State Code: SC
County: Florence
Zip Code: 29504
Local Fac County: 21
District Code: 8
Rp Identifier 1: RENTAL UNIFORM SERVICE
Rp Identifier 2:
Product 2:
Product 3:
Product 4:
Source 2:
Source 3:
Source 4:
Original Source: LAST
Record Date: 02-DEC-2019

3	1 of 1	W	0.27 / 1,447.40	92.91 / -14	NEWSOME CHEVROLET INC 991 S IRBY ST FLORENCE SC 29504	LUST
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Site ID:	003285	Site No (EFIS):	UST-03285
Permit:	N 03285	Facility Name (EFIS):	NEWSOME CHEVROLET INC
Category:		Fac Address (EFIS):	991 S IRBY ST
No of Tanks:	1	Facility City (EFIS):	FLORENCE
Billable:	0	Facility State (EFIS):	SC
Abandoned:	1	Facility Zip (EFIS):	29504
Other:	0	Facility (Web):	NEWSOME CHEVROLET INC
Last Inspection:		Address (Web):	991 S IRBY ST
Facility:	NEWSOME CHEVROLET INC	City (Web):	FLORENCE
Facility Street:	991 S IRBY ST	Zip Code (Web):	29504
Facilit City:	FLORENCE	County (Web):	FLORENCE
Facility State :	SC	Phone (Web):	
Facility Zip:	29504	Tank Owner Phone:	
County Code:	21	Land Owner Phone:	843-662-5145
Fac County:	Florence	Operator Phone:	
Business Address:	991 S IRBY ST FLORENCE SC 29504		
Tank Owner Business Addr:	NEWSOME CHEVROLET INC 991 S IRBY ST FLORENCE SC 29504		
Land Owner Business Addr:	MOUNT HOPE CEMETERY ASSOCIATION INC		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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			100 CHEROKEE RD FLORENCE SC 29501-5246			
Operator Business Addr:						
Facility Link:					https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/03285	
Data Source:					DHEC Underground Storage Tank Registry (Web); DHEC Confirmed Release Report (LUST); DHEC LUST Data (EFIS)	

DHEC Online Registry - Release Report

Release No:	1
Project Manager:	DUNN, ROBERT A
Reported:	12/30/1989
Confirmed:	8/31/1990
RBCA/ Score:	3BA - Free product > 0.01 foot thick / 300100
Product:	
Compliance Req:	False
NFA:	
Fin Type:	DHEC SUPERB
Fin Res Mechanism:	
Abatement Met:	1/2/1990
Cleanup Initiated:	3/12/1991
Cleanup Complete:	
Cleanup MCL:	
Compliance Date:	
Compliance Met:	False
Emergency Resp:	
Responsible Party:	NEWSOME CHEVROLET INC
Superb Determ Date:	
Superb Qualified:	
Transferred:	
Source:	UST

DHEC Confirmed Release Report

Release No:	1	Confirmed:	08/31/90
NFA:		Tank Owner:	NEWSOME CHEVROLET INC
Product:	PETRO	Status Desc:	Free Product Recovery Only
Proj Mgr:	DUNNRA	Score:	300100
Reported:	12/30/89	Rank:	3BA 2
Rank Desc:	Free product > 0.01 foot thick		
Facility:	NEWSOME CHEVROLET INC		
Facility Street:	991 S IRBY ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29504		
Facility State:	SC		

DHEC EFIS Data Details (Revised 9/5/2017)

Release No:	1
Release Date:	12/30/1989
Project Mgr:	DS
Confirmed Date:	8/31/1990
Cleanup Comp Date:	
Cleanup Comp Mcl Dt:	
RP Name:	NEWSOME CHEVROLET INC
RP Address:	991 S IRBY ST
RP City:	FLORENCE
RP State:	SC
RP Zip:	29504
SSTL Estab Cd:	TIER 2
SCRBCA Class Cd:	CLASS3BA
Depth to GW:	15.35
GW Flow Dir Cod:	SW
Receptor Type Cd:	DUNN, ROBERT A
Rel Fin Type Cd:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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CoC Concentrate Cd:

4	1 of 1	NE	0.41 / 2,181.06	123.33 / 17	SCDMR PEE DEE 714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230	LUST
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Site ID:	014299	Site No (EFIS):	
Permit:	N 14299	Facility Name (EFIS):	
Category:	State Government	Fac Address (EFIS):	
No of Tanks:	1	Facility City (EFIS):	
Billable:	0	Facility State (EFIS):	
Abandoned:	1	Facility Zip (EFIS):	
Other:	0	Facility (Web):	SCDMR PEE DEE
Last Inspection:		Address (Web):	714 E NATIONAL CEMETERY RD
Facility:	SCDMR PEE DEE	City (Web):	FLORENCE
Facility Street:	714 E NATIONAL CEMETERY RD	Zip Code (Web):	29506-3230
Facilit City:	FLORENCE	County (Web):	FLORENCE
Facility State :	SC	Phone (Web):	
Facility Zip:	29506-3230	Tank Owner Phone:	803-898-9769
County Code:	21	Land Owner Phone:	
Fac County:	Florence	Operator Phone:	
Business Address:	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230		
Tank Owner Business Addr:	SC DEPARTMENT OF DISABILITIES AND SPECIAL NEEDS 3440 HARDEN ST EXT COLUMBIA SC 29203-6835		
Land Owner Business Addr:			
Operator Business Addr:			
Facility Link:	https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/14299		
Data Source:	DHEC Underground Storage Tank Registry (Web); DHEC Confirmed Release Report (LUST)		

DHEC Online Registry - Release Report

Release No:	0
Project Manager:	BERENBROK, MARK K
Reported:	6/17/1993
Confirmed:	
RBCA/ Score:	/
Product:	
Compliance Req:	False
NFA:	7/20/1995
Fin Type:	
Fin Res Mechanism:	
Abatement Met:	
Cleanup Initiated:	
Cleanup Complete:	
Cleanup MCL:	
Compliance Date:	
Compliance Met:	False
Emergency Resp:	
Responsible Party:	
Superb Determ Date:	
Superb Qualified:	
Transferred:	
Source:	

Release No:	1
Project Manager:	GLYMPH-FANT, REBA M
Reported:	12/9/1996
Confirmed:	12/9/1996
RBCA/ Score:	/
Product:	
Compliance Req:	False
NFA:	2/18/1997
Fin Type:	Unknown
Fin Res Mechanism:	
Abatement Met:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Cleanup Initiated:		2/18/1997				
Cleanup Complete:		2/18/1997				
Cleanup MCL:						
Compliance Date:						
Compliance Met:		False				
Emergency Resp:						
Responsible Party:		SC DEPARTMENT OF DISABILITIES AND SPECIAL NEEDS				
Superb Determ Date:						
Superb Qualified:						
Transferred:						
Source:		UST				

DHEC Confirmed Release Report

Release No:	1	Confirmed:	12/09/96
NFA:	02/18/97	Tank Owner:	SC DEPARTMENT OF DISABILIT
Product:	PETRO	Status Desc:	
Proj Mgr:	FANTRM	Score:	
Reported:	12/09/96	Rank:	
Rank Desc:			
Facility:	SCDMR PEE DEE		
Facility Street:	714 E NATIONAL CEMETERY RD		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29506-3230		
Facility State:	SC		

<u>5</u>	1 of 1	NW	0.48 / 2,545.74	127.62 / 21	FORMER HORNES MOTOR LODGE 829 S IRBY ST FLORENCE SC 29501	LUST
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Site ID:	020179	Site No (EFIS):	
Permit:	U 20179	Facility Name (EFIS):	
Category:	Retail Sales	Fac Address (EFIS):	
No of Tanks:	4	Facility City (EFIS):	
Billable:	0	Facility State (EFIS):	
Abandoned:	4	Facility Zip (EFIS):	
Other:	0	Facility (Web):	FORMER HORNES MOTOR LODGE
Last Inspection:		Address (Web):	829 S IRBY ST
Facility:	FORMER HORNES MOTOR LODGE	City (Web):	FLORENCE
Facility Street:	829 S IRBY ST	Zip Code (Web):	29501
Facilit City:	FLORENCE	County (Web):	FLORENCE
Facility State :	SC	Phone (Web):	
Facility Zip:	29501	Tank Owner Phone:	
County Code:	21	Land Owner Phone:	
Fac County:	Florence	Operator Phone:	
Business Address:	829 S IRBY ST FLORENCE SC 29501		
Tank Owner Business Addr:	MOUNT HOPE CEMETERY ASSOCIATION INC 955 OLD CHEROKEE RD LEXINGTON SC 29072		
Land Owner Business Addr:	MOUNT HOPE CEMETERY ASSOCIATION INC 955 OLD CHEROKEE RD LEXINGTON SC 29072		
Operator Business Addr:			
Facility Link:	https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/20179		
Data Source:	DHEC Underground Storage Tank Registry (Web); DHEC Confirmed Release Report (LUST)		

DHEC Online Registry - Release Report

Release No:	1
Project Manager:	MAXWELL, EVAN W
Reported:	8/16/2023
Confirmed:	8/22/2023
RBCA/ Score:	3BF - GW < 15 feet in sand or gravel / 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Product:		Petroleum				
Compliance Req:		True				
NFA:						
Fin Type:		Eligible not qualified				
Fin Res Mechanism:		NONE				
Abatement Met:		7/6/2023				
Cleanup Initiated:						
Cleanup Complete:						
Cleanup MCL:						
Compliance Date:		8/22/2023				
Compliance Met:		True				
Emergency Resp:						
Responsible Party:		MOUNT HOPE CEMETERY ASSOCIATION INC				
Superb Determ Date:						
Superb Qualified:						
Transferred:						
Source:		UST				

DHEC Confirmed Release Report

Release No:	1	Confirmed:	08/22/23
NFA:		Tank Owner:	MOUNT HOPE CEMETERY ASS
Product:	PETROL	Status Desc:	Conducting Investigation/Risk Assessment
Proj Mgr:	CHONKOGH	Score:	1
Reported:	08/16/23	Rank:	3BF 1
Rank Desc:	GW < 15 feet in sand or gravel		
Facility:	FORMER HORNES MOTOR LODGE		
Facility Street:	829 S IRBY ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29501		
Facility State:	SC		

<u>6</u>	1 of 1	SSW	0.48 / 2,553.37	111.53 / 5	R & R2 1360 S IRBY ST FLORENCE SC 29505-2756	LUST
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Site ID:	003577	Site No (EFIS):	UST-03577
Permit:	R 03577	Facility Name (EFIS):	SAV WAY 17
Category:	Retail Sales	Fac Address (EFIS):	1360 S IRBY ST
No of Tanks:	8	Facility City (EFIS):	FLORENCE
Billable:	5	Facility State (EFIS):	SC
Abandoned:	3	Facility Zip (EFIS):	29505-2756
Other:	0	Facility (Web):	R & R2
Last Inspection:	4/18/2023	Address (Web):	1360 S IRBY ST
Facility:	R & R2	City (Web):	FLORENCE
Facility Street:	1360 S IRBY ST	Zip Code (Web):	29505-2756
Facilit City:	FLORENCE	County (Web):	FLORENCE
Facility State :	SC	Phone (Web):	843-669-3015
Facility Zip:	29505-2756	Tank Owner Phone:	704-534-4133
County Code:	21	Land Owner Phone:	704-534-4133
Fac County:	Florence	Operator Phone:	704-534-4133
Business Address:	1360 S IRBY ST FLORENCE SC 29505-2756		
Tank Owner Business Addr:	R & R2 LLC 99 E FIRST ST DENTON NC 27239		
Land Owner Business Addr:	R & R2 LLC 99 E FIRST ST DENTON NC 27239		
Operator Business Addr:	R & R2 LLC 99 E FIRST ST DENTON NC 27239		
Facility Link:	https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/03577		
Data Source:	DHEC Underground Storage Tank Registry (Web); DHEC Confirmed Release Report (LUST); DHEC LUST Data (EFIS)		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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DHEC Online Registry - Release Report

Release No: 1
Project Manager: DUNN, ROBERT A
Reported: 12/29/1989
Confirmed: 6/18/1990
RBCA/ Score: 3BF - GW < 15 feet in sand or gravel / 762
Product:
Compliance Req: False
NFA:
Fin Type: With SUPERB
Fin Res Mechanism:
Abatement Met: 3/23/1992
Cleanup Initiated: 5/14/1992
Cleanup Complete:
Cleanup MCL:
Compliance Date:
Compliance Met: False
Emergency Resp:
Responsible Party: RAINWATER GAS & OIL CO INC
Superb Determ Date:
Superb Qualified:
Transferred:
Source: UST

DHEC Confirmed Release Report

Release No:	1	Confirmed:	06/18/90
NFA:		Tank Owner:	R & R2 LLC
Product:	PETRO	Status Desc:	Monitored Natural Attenuation
Proj Mgr:	DUNNRA	Score:	762
Reported:	12/29/89	Rank:	3BF 3
Rank Desc:	GW < 15 feet in sand or gravel		
Facility:	R & R2		
Facility Street:	1360 S IRBY ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29505-2756		
Facility State:	SC		

DHEC EFIS Data Details (Revised 9/5/2017)

Release No: 1
Release Date: 12/29/1989
Project Mgr: WS
Confirmed Date: 6/18/1990
Cleanup Comp Date:
Cleanup Comp Mcl Dt:
RP Name: RAINWATER GAS & OIL CO INC
RP Address: 400 LONGSTREET ST
RP City: KINGSTREE
RP State: SC
RP Zip: 29556
SSTL Estab Cd: MR
SCRBCA Class Cd: CLASS3BA
Depth to GW: 6.55
GW Flow Dir Cod: NE
Receptor Type Cd: DUNN, ROBERT A
Rel Fin Type Cd:
CoC Concentrate Cd:

<u>7</u>	1 of 1	SSW	0.50 / 2,622.96	113.82 / 7	SAV A TON 84 1403 S IRBY ST FLORENCE SC 29505-2759	LUST
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site ID:	003539				Site No (EFIS):	UST-03539
Permit:	R 03539				Facility Name (EFIS):	SAV A TON 84
Category:	Retail Sales				Fac Address (EFIS):	1403 S IRBY ST
No of Tanks:	4				Facility City (EFIS):	FLORENCE
Billable:	0				Facility State (EFIS):	SC
Abandoned:	4				Facility Zip (EFIS):	29505-2759
Other:	0				Facility (Web):	SAV A TON 84
Last Inspection:	4/13/2001				Address (Web):	1403 S IRBY ST
Facility:	SAV A TON 84				City (Web):	FLORENCE
Facility Street:	1403 S IRBY ST				Zip Code (Web):	29505-2759
Facilit City:	FLORENCE				County (Web):	FLORENCE
Facility State :	SC				Phone (Web):	843-662-7316
Facility Zip:	29505-2759				Tank Owner Phone:	713-460-4006
County Code:	21				Land Owner Phone:	
Fac County:	Florence				Operator Phone:	
Business Address:	1403 S IRBY ST FLORENCE SC 29505-2759					
Tank Owner Business Addr:	CAMP OIL CO 5450 NW CENTRAL DR STE 125 HOUSTON TX 77092					
Land Owner Business Addr:	TREADGILL PROPERTIES LLC 1403 S IRBY ST FLORENCE SC 29505-2759					
Operator Business Addr:						
Facility Link:	https://apps.dhec.sc.gov/Environment/USTRegistry/Registry/Details/03539					
Data Source:	DHEC Underground Storage Tank Registry (Web); DHEC Confirmed Release Report (LUST); DHEC LUST Data (EFIS)					

DHEC Online Registry - Release Report

Release No:	1
Project Manager:	DUNN, ROBERT A
Reported:	12/27/1991
Confirmed:	3/23/1992
RBCA/ Score:	2BB - Watersupply wells < 1000 feet downgrade / 1376
Product:	
Compliance Req:	False
NFA:	
Fin Type:	DHEC SUPERB
Fin Res Mechanism:	
Abatement Met:	5/16/1994
Cleanup Initiated:	5/9/1998
Cleanup Complete:	
Cleanup MCL:	
Compliance Date:	
Compliance Met:	False
Emergency Resp:	
Responsible Party:	SAV A TON OIL INC
Superb Determ Date:	
Superb Qualified:	True
Transferred:	
Source:	UST

DHEC Confirmed Release Report

Release No:	1	Confirmed:	03/23/92
NFA:		Tank Owner:	CAMP OIL CO
Product:	PETRO	Status Desc:	Free Product Recovery Only
Proj Mgr:	DUNNRA	Score:	1376
Reported:	12/27/91	Rank:	2BB 2
Rank Desc:	Watersupply wells < 1000 feet downgrade		
Facility:	SAV A TON 84		
Facility Street:	1403 S IRBY ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29505-2759		
Facility State:	SC		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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DHEC EFIS Data Details (Revised 9/5/2017)

Release No: 1
 Release Date: 12/27/1991
 Project Mgr: DS
 Confirmed Date: 3/23/1992
 Cleanup Comp Date:
 Cleanup Comp Mcl Dt:
 RP Name: SAV A TON OIL INC
 RP Address: PO BOX 2549
 RP City: ROME
 RP State: GA
 RP Zip: 30164-2549
 SSTL Estab Cd: MR
 SCRBCA Class Cd: CLASS2BB
 Depth to GW: 8.29
 GW Flow Dir Cod: S
 Receptor Type Cd: DUNN, ROBERT A
 Rel Fin Type Cd:
 CoC Concentrate Cd:

<u>8</u>	1 of 2	E	0.50 / 2,623.11	91.23 / -16	FLORENCE CITY OF WWTP 1000 STOCKADE RD FLORENCE SC	DELISTED LST
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Delisted Leaking Above Ground Storage Tanks Details

Site ID: 157
 Release No: 1
 Project Manager: FORREST CHRIS M
 Status: CLOSED
 Impacted Code: NO
 Type:
 Release Date:
 Confirmed:
 NFA Dt: 4/24/2006
 Transfer:
 Product:
 Source:
 Tier:
 Truncated Note:
 Soil Impact Code:
 User Name: FORRESCM
 Release Xfer Date:
 Suspect NFA Date: 4/24/2006
 Release Source Code:
 Cleanup Complete Dt:
 Local Fac Last Name: FLORENCE CITY OF WWTP
 Local Fac First Name:
 Address 2:
 State Code: SC
 County: Florence
 Zip Code: 29501
 Local Fac County: 21
 District Code: 8
 Rp Identifier 1: FLORENCE CITY OF WWTP
 Rp Identifier 2:
 Product 2:
 Product 3:
 Product 4:
 Source 2:
 Source 3:
 Source 4:
 Original Source: LAST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Record Date:		02-DEC-2019				
8	2 of2	E	0.50 / 2,623.11	91.23 / -16	FLORENCE CITY OF WWTP 1000 STOCKADE RD FLORENCE SC	DELISTED LST

Delisted Leaking Above Ground Storage Tanks Details

Site ID: 4069
 Release No: 1
 Project Manager: WALKER ADELAIDE (ADDIE) S
 Status: TRANSFER
 Impacted Code: NO
 Type:
 Release Date: 10/20/2008
 Confirmed:
 NFA Dt:
 Transfer:
 Product:
 Source:
 Tier:
 Truncated Note:
 Soil Impact Code:
 User Name: WALKERAS
 Release Xfer Date:
 Suspect NFA Date:
 Release Source Code:
 Cleanup Complete Dt:
 Local Fac Last Name: FLORENCE CITY OF WWTP
 Local Fac First Name:
 Address 2:
 State Code: SC
 County: Florence
 Zip Code: 29501
 Local Fac County: 21
 District Code: 8
 Rp Identifier 1: FLORENCE CITY OF
 Rp Identifier 2:
 Product 2:
 Product 3:
 Product 4:
 Source 2:
 Source 3:
 Source 4:
 Original Source: LAST
 Record Date: 02-DEC-2019

9	1 of2	NW	0.50 / 2,630.77	130.34 / 24	ONE HOUR MARTINIZING COMPANY NO 1 832 S IRBY ST, FLORENCE SC 29501 SC	SASPL
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EPA ID: SCDRY0052702

Site Assessment Section Project List (SASPL)

County: FLORENCE

9	2 of2	NW	0.50 / 2,630.77	130.34 / 24	ONE HOUR MARTINIZING COMPANY NO 1 832 S IRBY ST; FLORENCE SC	DRYCLEAN FUND
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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File No:	52702
Priority Group:	TIER III
Priority Group Desc:	Third Priority

10	1 of 1	NW	0.57 / 3,027.73	129.63 / 23	FLORENCE POW CAMP FLORENCE SC	FUDS
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FUDS Property No:	I04SC1006
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=55095
FUDS INST ID:	SC49799F941000
Status:	Properties without projects
SDS ID:	
NPL Status Code:	
Eligibility:	Eligible
Site Eligib:	
Current Owner:	
Has Project:	No
DOD FUDS Pro:	I04SC1006
Project Required:	No
No Further Action:	
Congressional District:	07
Congressional Dist 117:	07
Media ID:	
Metadata ID:	
Feature Desc:	
EPA Region:	04
County:	FLORENCE
Latitude:	34.18333333
Longitude:	-79.76666667
Fiscal year:	2021
USACE Division:	SAD
USACE District:	Savannah District (SAS)
Centroid Lat:	
Centroid Long:	
Se Anno Cad Data:	
Shape Length:	
Shape Area:	
Shape Len:	
X:	-79.7666015629999
Y:	34.183410645
Data Source:	U.S. Army Corps of Engineers Geospatial Open Data
Property History:	
Feature Description:	

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
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No unplottable records were found that may be relevant for the search criteria.

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

National Priority List - Proposed:

PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

Deleted NPL:

DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

SEMS List 8R Active Site Inventory:

SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

Government Publication Date: Mar 27, 2024

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Mar 27, 2024

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS:

CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 8, 2024

RCRA non-CORRACTS TSD Facilities:

RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Apr 8, 2024

RCRA Generator List:[RCRA LQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Small Quantity Generators List:[RCRA SQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 8, 2024

RCRA Very Small Quantity Generators List:[RCRA VSQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Apr 8, 2024

RCRA Non-Generators:[RCRA NON GEN](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Sites with Controls:[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Apr 8, 2024

Federal Engineering Controls-ECs:[FED ENG](#)

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 26, 2024

Federal Institutional Controls-ICs:[FED INST](#)

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 26, 2024

Land Use Control Information System:

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites:

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Apr 22, 2024

Emergency Response Notification System:

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Apr 28, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing:

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan:

FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans:

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jan 9, 2024

Historical Gas Stations:[HIST GAS STATIONS](#)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries:[REFN](#)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Feb 28, 2024

Petroleum Product and Crude Oil Rail Terminals:[BULK TERMINAL](#)

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 6, 2024

LIEN on Property:[SEMS LIEN](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Mar 27, 2024

Superfund Decision Documents:[SUPERFUND ROD](#)

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Mar 27, 2024

Formerly Utilized Sites Remedial Action Program:[DOE FUSRAP](#)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State**State Remediation Projects:**[REMEDIATION](#)

A list of state remediation projects key documents from the South Carolina Department of Health and Environmental Control (DHEC) State Superfund Program. The State Superfund Program aims to protect the environment through investigation and clean up of abandoned and uncontrolled hazardous waste sites.

Government Publication Date: Aug 19, 2023

Permitted Landfills List:[SWF/LF](#)

The South Carolina Department of Environmental Services (SCDES) maintains a list of permitted solid waste and landfill facilities in South Carolina.

Government Publication Date: Mar 26, 2024

Site Assessment Section Project List:[SASPL](#)

The South Carolina Department of Environmental Services (SCDES) Bureau of Land & Waste Management keeps record of the state hazardous waste sites in their Site Assessment Section Project List. Includes sites that have had or have ongoing assessment and/or remediation; sites assessed under CERCLA and state authority, as well as federal and state Superfund sites; sites within the Drycleaning Restoration Trust Fund; and state voluntary cleanups sites and Brownfields sites.

Delisted Site Assessment Section Project List:

[DELISTED SHWS](#)

This database contains a list of hazardous waste sites that been removed from the South Carolina Department of Health and Environmental Control (DHEC) Bureau of Land & Waste Management Site Assessment Section.

Government Publication Date: May 15, 2024

Leaking Underground Storage Tank List:

[LUST](#)

List of incidents involving releases from underground storage tanks. Includes records from the SCDES Confirmed Release Report (LUST), and tank sites from the Underground Storage Tank Division's UST Registry Search with confirmed or unconfirmed releases. Data made available by the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Apr 16, 2024

Release Incidents - Groundwater Tracking:

[LAST](#)

A listing of incidents involving petroleum releases from unregulated sources such as aboveground storage tanks, heating oil tanks and spills during transport reported to the Department of Health & Environmental Control (DHEC).

Government Publication Date: Jun 25, 2024

Delisted Leaking Storage Tanks:

[DELISTED LST](#)

List of sites that once appeared on – and have since been removed from – the list of Leaking Aboveground Storage Tanks and/or the list of Leaking Underground Storage Tanks made available by the South Carolina Department of Health and Environmental Control (DHEC).

Government Publication Date: Jun 25, 2024

Underground Storage Tank List:

[UST](#)

List of permitted underground storage tank sites. Includes records from the SCDES UST List, and tank sites from the Underground Storage Tank Division's UST Registry Search. Data made available by the Underground Storage Tank Division of the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Apr 16, 2024

Aboveground Storage Tanks (SCDA):

[AST](#)

A list of aboveground storage tanks made available by South Carolina Department of Agriculture (SCDA).

Government Publication Date: Jun 25, 2024

Aboveground Storage Tanks (SC State Fire):

[AST SFM](#)

A list of aboveground storage tanks known to South Carolina Department of Labor, Licensing and Regulation's Office of State Fire Marshal. The status of tanks on this list is unknown, as State Fire approves plans for ASTs prior to construction.

Government Publication Date: Sep 19, 2017

Delisted Underground Storage Tanks:

[DELISTED TANKS](#)

This database contains a list of storage tank sites that were removed from the Division of the Department of Health and Environmental Control (DHEC).

Government Publication Date: Jun 25, 2024

Registry of Conditional Remedies:

[RCR](#)

A Conditional Remedy is an environmental remedy that includes certain qualifications. These qualifications are divided into two major categories: Remedies requiring Land Use Controls and Conditional No Further Actions (CNFA). This registry is managed by the Department of Health and Environmental Control (DHEC) and does not include UST sites where a No Further Action (NFA) letter was issued.

Government Publication Date: Mar 18, 2024

Site Assessment and Remediation Public Record Database:

[VCP](#)

The Site Assessment and Remediation Public Record Database identifies brownfield sites for potential redevelopment and sites undergoing cleanup activities and assessment. Data made available by the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: May 13, 2024

Brownfields Sites Listing:

[BROWNFIELDS](#)

List of sites that have enrolled in the SC Brownfields program, maintained by the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Jun 4, 2024

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands:

[INDIAN LUST](#)

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes South Carolina, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 14, 2017

Underground Storage Tanks (USTs) on Indian Lands:

[INDIAN UST](#)

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes South Carolina, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks:

[DELISTED INDIAN LST](#)

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Delisted Tribal Underground Storage Tanks:

[DELISTED INDIAN UST](#)

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data:

[PFAS GHG](#)

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO₂e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: May 9, 2024

On-Scene Coordinator Response Sites:

[OSC RESPONSE](#)

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index:

[FINDS/FRS](#)

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Apr 26, 2024

Toxics Release Inventory (TRI) Program:

TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites:

PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Jun 20, 2024

Federal Agency Locations with Known or Suspected PFAS Detections:

PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Apr 1, 2024

SSEHRI PFAS Contamination Sites:

PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

Government Publication Date: May 19, 2023

National Response Center PFAS Spills:

ERNS PFAS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam," "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Apr 17, 2024

PFAS NPDES Discharge Monitoring:

PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: May 6, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

Perfluorinated Alkyl Substances (PFAS) Water Quality:

PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities:

PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest :

PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Apr 29, 2024

PFAS Industry Sectors:

PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Jul 1, 2024

Hazardous Materials Information Reporting System:

HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act:

TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Apr 22, 2024

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Apr 13, 2024

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2024

Delisted Drycleaner Facilities:

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2024

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites:

FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites:

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents:

PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: May 6, 2024

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites:[HIST MLTS](#)

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:[MINES](#)

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Feb 5, 2024

Surface Mining Control and Reclamation Act Sites:[SMCRA](#)

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 20, 2024

Mineral Resource Data System:[MRDS](#)

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites:[LM SITES](#)

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations:[ALT FUELS](#)

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Apr 30, 2024

Superfunds Consent Decrees:[CONSENT DECREES](#)

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jun 26, 2024

Air Facility System:

AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments:

SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers:

PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: May 23, 2024

State

Surface Water PFAS Sampling:

PFAS SAMPLING

The South Carolina Department of Environmental Services (SCDES) has implemented the Ambient Surface Water PFAS Strategy to monitor Per- and Polyfluoroalkyl Substances (PFAS) levels in surface water and associated biota. The Ambient Surface Water Strategy includes analysis of samples from lakes, rivers, and streams across South Carolina, as well as samples from fish, oyster, and blue crab. This summary data includes concentrations each time the site was sampled for six individual PFAS: PFOA, PFOS, PFNA, HFPO-DA or Gen-X, PFHxS, and PFBS. Concentrations identified with a dash (-) indicate the compound was analyzed for but not detected. The SCDES provides this data for general reference purposes only and provides no warranty as to its accuracy, reliability or completeness.

Government Publication Date: May 16, 2024

Spills List:

SPILLS

A list of spills and releases managed by the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Jun 17, 2024

Drycleaning Facility Restoration Trust Fund Database:

DRYCLEAN FUND

This Priorities list of Drycleaning Facility Restoration Trust Fund (DFRTF) facilities is provided by South Carolina Department of Environmental Services (SCDES) Bureau of Land and Waste Management. The SCDES is responsible for administering the DFRTF to manage the assessment and remediation of drycleaning facilities statewide by prioritizing sites for future funding based on available assessment information. The Funding Priority system categorizes sites into one of five groups and is designed to identify sites that require immediate action to eliminate the risk of human exposure, prevent imminent exposure to environmental contamination, or indicate no funded activity planned when applicable.

Government Publication Date: Apr 16, 2024

Dry Cleaners:

DRY CLEANERS

A list of dry cleaners known to the South Carolina Department of Health and Environmental Control (SC DHEC).

Government Publication Date: Jan 9, 2019

Delisted Drycleaning Facility:

DELISTED DRYCLEANERS

List of sites removed from the drycleaners facility database made available by the Department of Health & Environmental Control.

Government Publication Date: Apr 16, 2024

Air Permitted Facilities:

AIR PERMIT

The South Carolina Department of Environmental Services (SCDES) Bureau of Air Quality (BAQ) issues permits limiting the amount of regulated air contaminants emitted at a facility. According to the BAQ, an air permit is a legal document that lists what a source must do in order to comply with the state and federal air pollution laws. The facility's potential to emit emissions determines if a facility is classified as major or minor or if the facility has to undergo a major modification. The BAQ issues construction permit, operating permits, general permits, and registration permits. Some permits may be exempted, such as: construction permit exemptions specified in Regulation 61-62.1, Section II (B)(1)(a) through (c), Regulation 61-62.70.2(r), and Regulation 61-62.1, Section II (B)(2)(a) through (h); source- specific exemptions; and emission-level exemptions specified in Regulation 61-62.5 - Standard No. 8, Toxic Air Pollutants.

Government Publication Date: Feb 12, 2024

Underground Injection Control Wells:

UIC

This list of Underground Injection Control Class V Wells is provided by the South Carolina Department of Environmental Services (SCDES). The majority of Class V Wells are aquifer remediation injection wells, and the remaining are Aquifer Storage and Recovery Wells (storage of potable water in the subsurface).

Government Publication Date: May 6, 2024

Agricultural Facilities:

AGRI FAC

The South Carolina Department of Health and Environmental Control (SCDHEC) provides this agricultural facilities (animal farms) database. SCDHEC makes no warranty, representation or guarantee as to the content, sequence, accuracy, timeliness or completeness of any of the database information provided herein.

Government Publication Date: Jun 18, 2013

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



Property Information

Order Number:	24073001051p
Date Completed:	July 31, 2024
Project Number:	24-458664.1
Project Property:	Churchill Apartments 1117 June Lane FLORENCE SC 29506
Coordinates:	
Latitude:	34.1758785
Longitude:	-79.7599034
UTM Northing:	3782331.21809 Meters
UTM Easting:	614226.641724 Meters
UTM Zone:	UTM Zone 17S
Elevation:	106.82 ft
Slope Direction:	S

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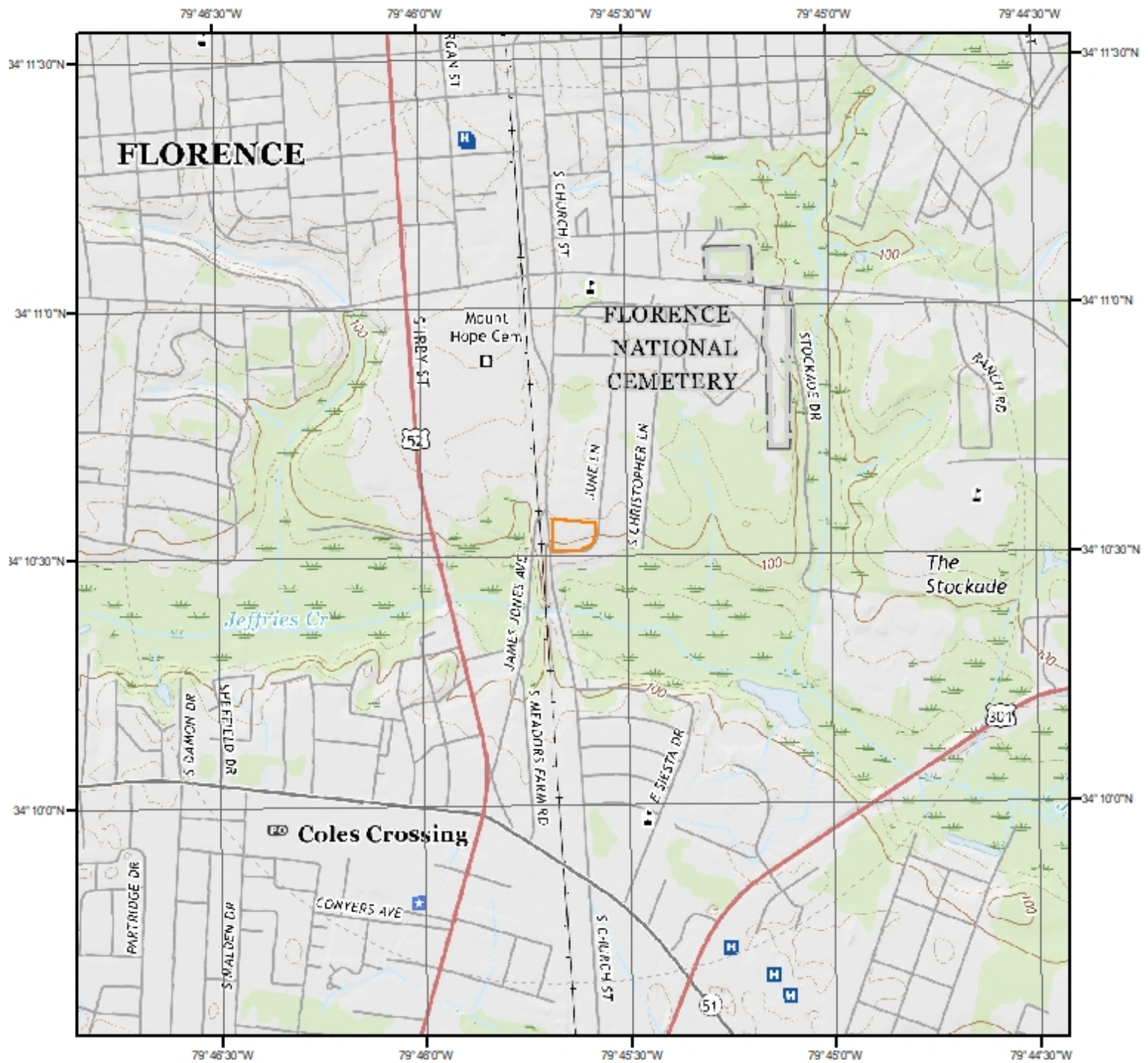
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2020)

Quadrangle(s): Florence West, SC; Florence East, SC

Source: USGS 7.5 Minute Topographic Map

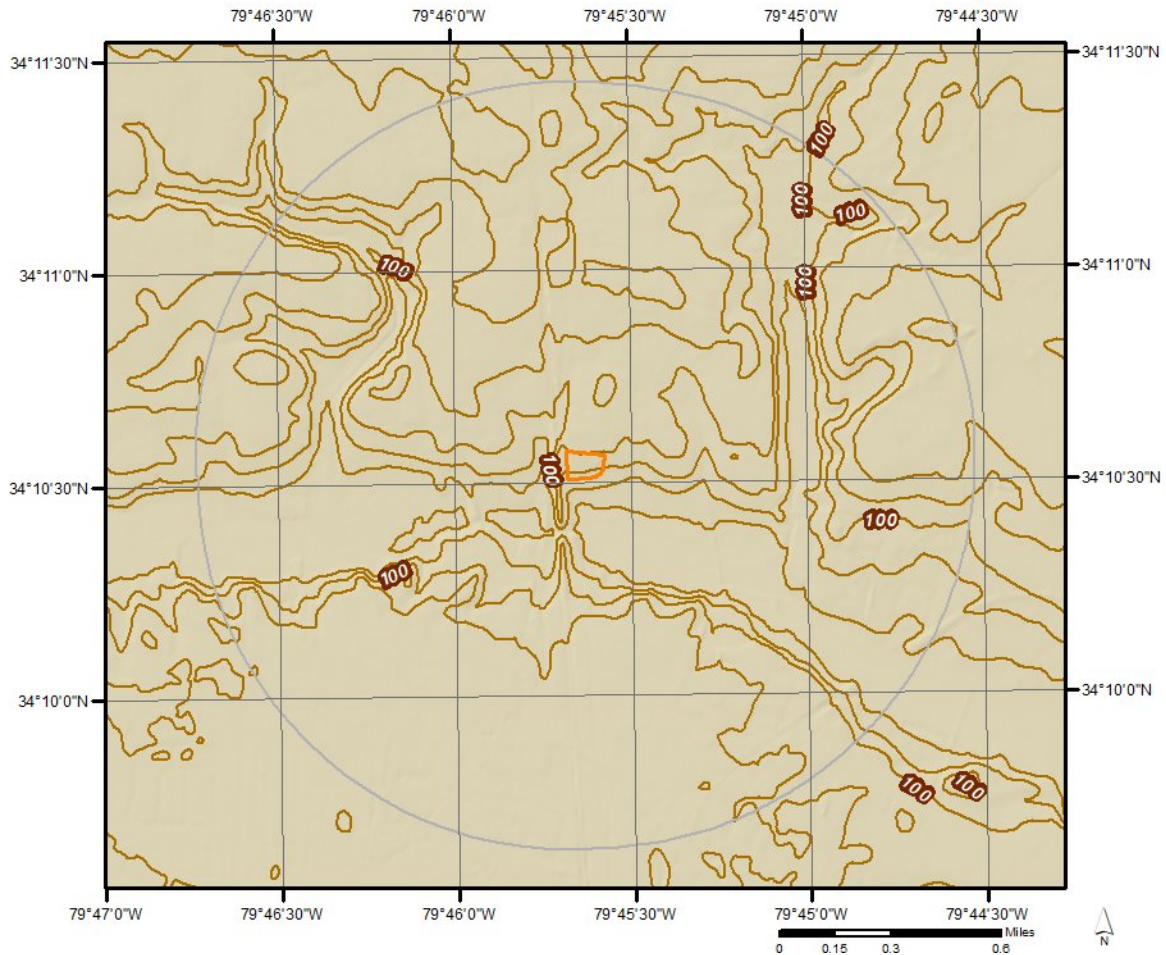


Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

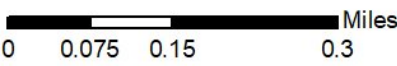
Elevation: 106.82 ft
Slope Direction: S



Hydrologic Information



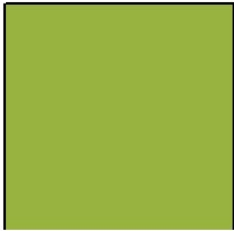
Wetland



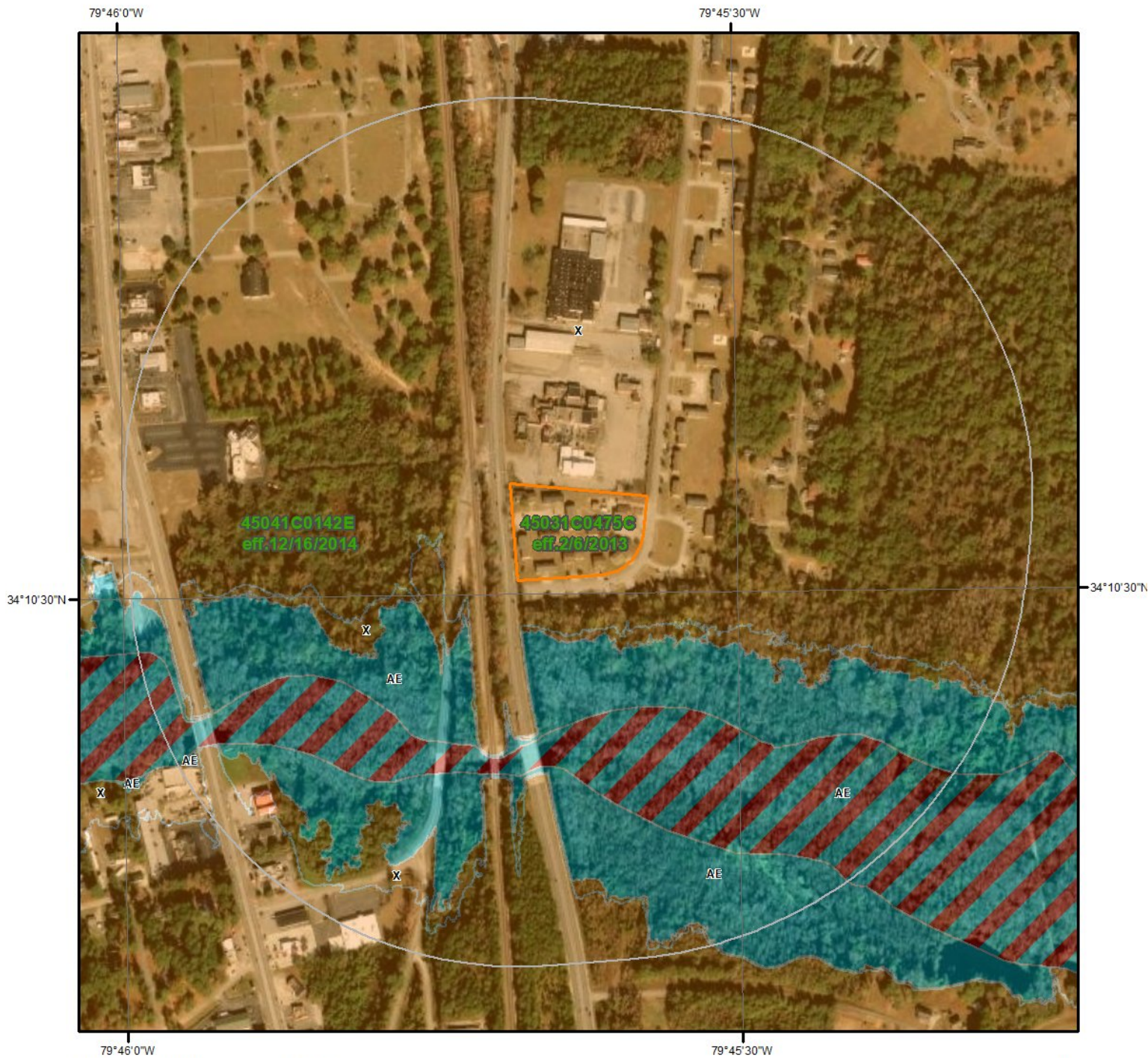
This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine



Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard

- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

0 0.075 0.15 Miles



Quadrangle(s): Florence West,SC; Florence East,SC



Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

Available FIRM Panels in area: 45031C0475C(effective:2013-02-06) 45041C0142E(effective:2014-12-16)

Flood Zone AE-01

Zone: AE
Zone subtype:

Flood Zone AE-11

Zone: AE
Zone subtype: FLOODWAY

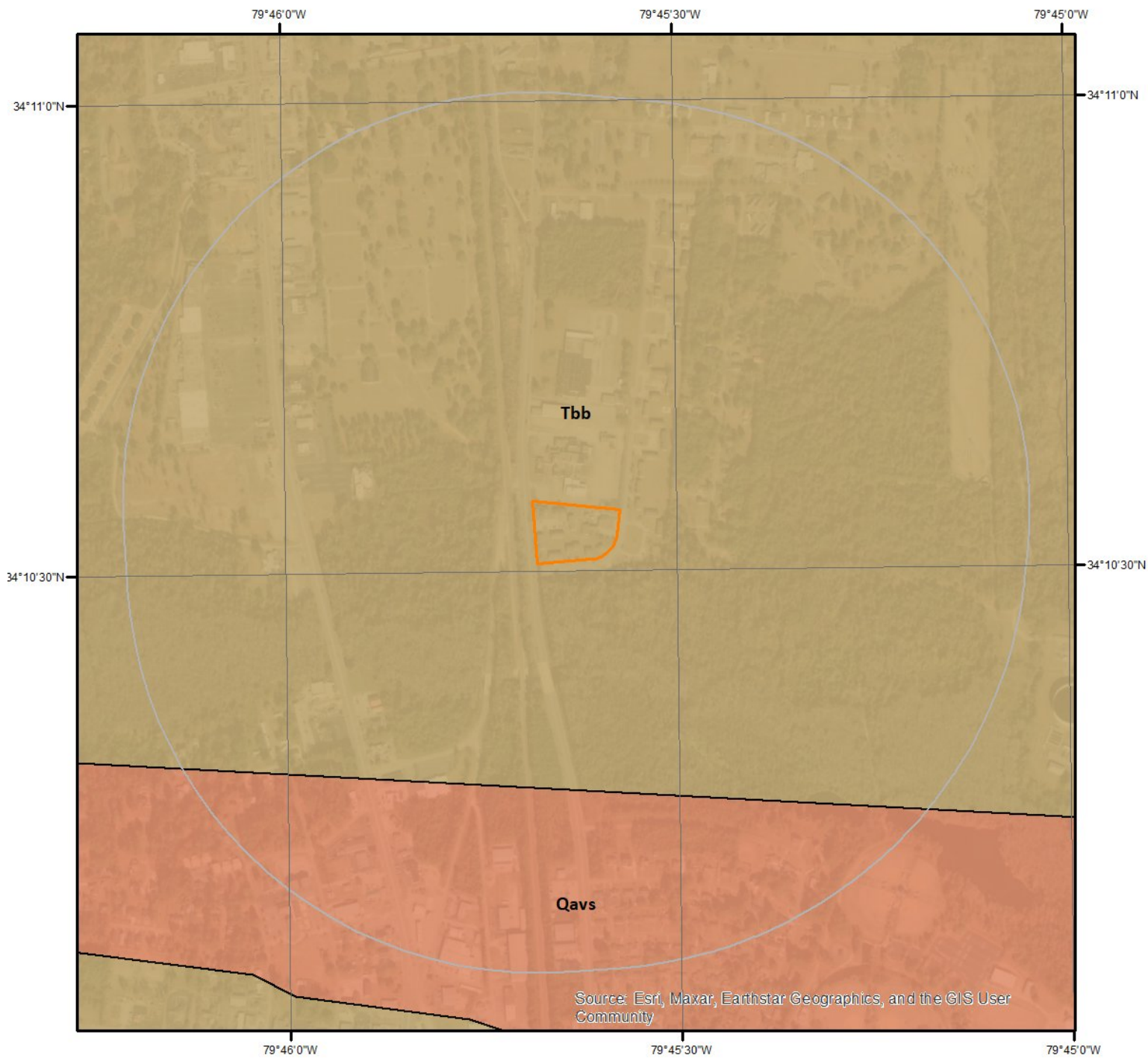
Flood Zone X-01

Zone: X
Zone subtype: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

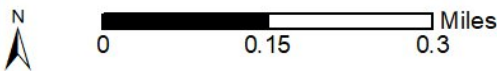
Zone: X
Zone subtype: AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

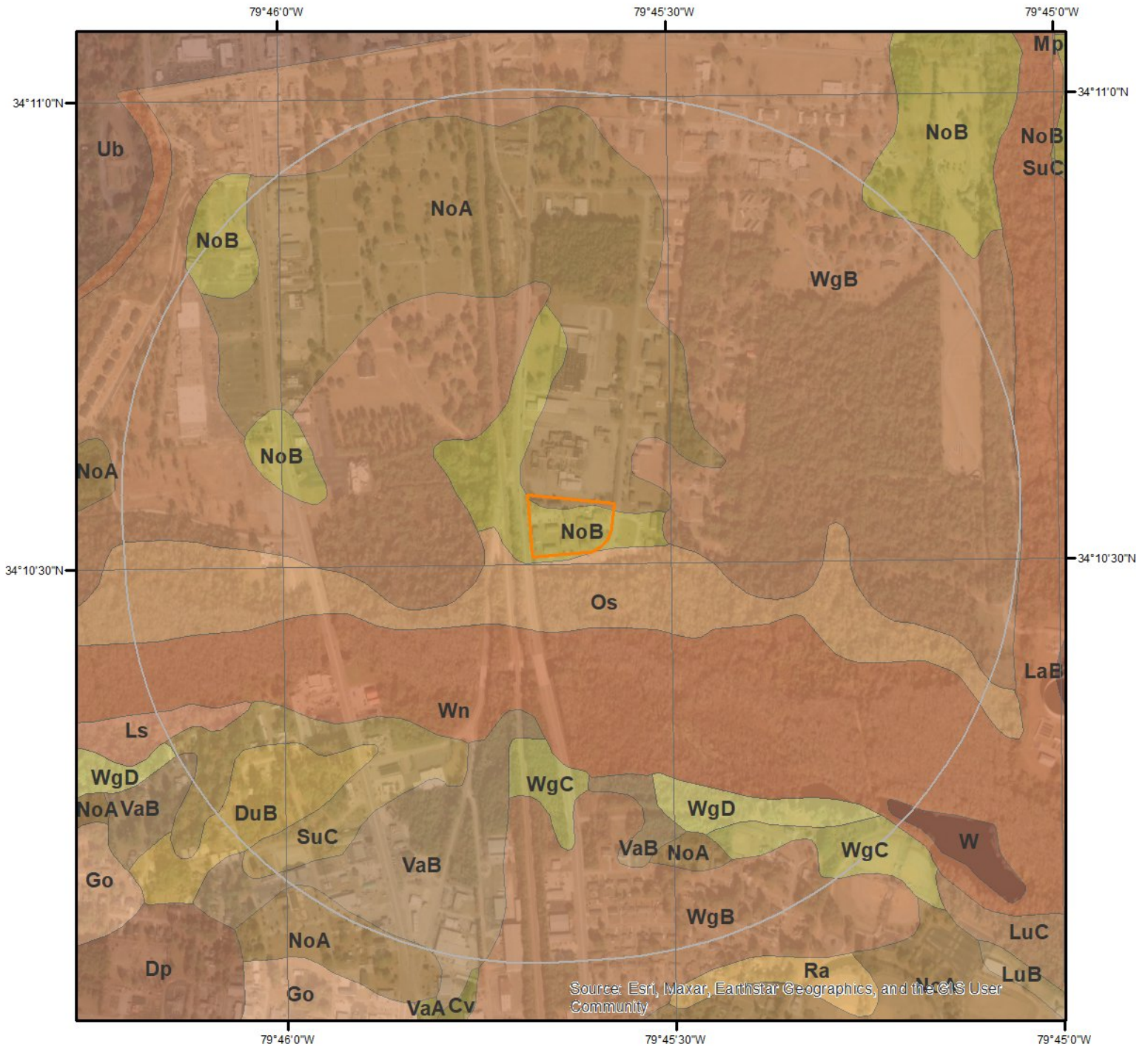
Geologic Unit Qavs

Unit Name:	Alluvial Valley Swamp
Unit Age:	Quaternary
Primary Rock Type:	Sand
Secondary Rock Type:	Gravel
Unit Description:	Unconformable on all underlying units, fluvial sand and gravel at base, grading upwards into fine sands and silts, local peat. May be overrun with recent sediments from forest cutting and agriculture.

Geologic Unit Tbb

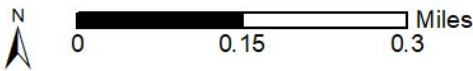
Unit Name:	Bear Bluff Formation
Unit Age:	Pliocene
Primary Rock Type:	Sand
Secondary Rock Type:	Limestone
Unit Description:	One of the older coastal terrace sequences in the Carolinas. Equivalent to Windsor Fm.

Soil Information



SSURGO Soils

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit DuB (0.18%)

Map Unit Name:	Duplin and Exum soils, 2 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Duplin(50%)	
horizon Ap(0cm to 28cm)	Fine sandy loam
horizon Bt1(28cm to 107cm)	Clay loam
horizon Btg2(107cm to 183cm)	Clay
Goldsboro(30%)	
horizon Ap(0cm to 18cm)	Loamy sand
horizon E(18cm to 96cm)	Loamy sand
horizon Bt(96cm to 183cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: DuB - Duplin and Exum soils, 2 to 6 percent slopes

Component: Duplin (50%)

The Duplin component makes up 50 percent of the map unit. Slopes are 2 to 6 percent. This component is on marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Goldsboro (30%)

The Goldsboro component makes up 30 percent of the map unit. Slopes are 2 to 5 percent. This component is on marine terraces, coastal plains. The parent material consists of marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Map Unit Ls (0.1%)

Map Unit Name:	Leaf fine sandy loam
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Cantey(95%)	
horizon A(0cm to 13cm)	Fine sandy loam
horizon Btg(13cm to 119cm)	Clay

Soil Information

horizon BCg(119cm to 178cm)

Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ls - Leaf fine sandy loam

Component: Cantey (95%)

The Cantey component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Map Unit NoA (1.53%)

Map Unit Name: Norfolk loamy sand, 0 to 2 percent slopes

Bedrock Depth - Min: null

Watertable Depth - Annual Min: 122cm

Drainage Class - Dominant: Well drained

Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Norfolk(90%)

horizon Ap(0cm to 20cm)

Loamy sand

horizon E(20cm to 33cm)

Loamy sand

horizon Bt1(33cm to 173cm)

Sandy clay loam

horizon Bt2(173cm to 203cm)

Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: NoA - Norfolk loamy sand, 0 to 2 percent slopes

Component: Norfolk (90%)

The Norfolk component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 48 inches during January, February, March. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Rains (2%)

Generated brief soil descriptions are created for major soil components. The Rains soil is a minor component.

Component: Pantego (2%)

Generated brief soil descriptions are created for major soil components. The Pantego soil is a minor component.

Component: Coxville (2%)

Generated brief soil descriptions are created for major soil components. The Coxville soil is a minor component.

Map Unit NoB (1.53%)

Map Unit Name: Norfolk loamy sand, 2 to 6 percent slopes

Bedrock Depth - Min: null

Watertable Depth - Annual Min: 122cm

Soil Information

Drainage Class - Dominant: Well drained
Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Norfolk(90%)

horizon Ap(0cm to 20cm)	Loamy sand
horizon E(20cm to 33cm)	Loamy sand
horizon Bt1(33cm to 173cm)	Sandy clay loam
horizon Bt2(173cm to 203cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: NoB - Norfolk loamy sand, 2 to 6 percent slopes

Component: Norfolk (90%)

The Norfolk component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 48 inches during January, February, March. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Coxville (2%)

Generated brief soil descriptions are created for major soil components. The Coxville soil is a minor component.

Component: Rains (2%)

Generated brief soil descriptions are created for major soil components. The Rains soil is a minor component.

Component: Pantego (2%)

Generated brief soil descriptions are created for major soil components. The Pantego soil is a minor component.

Map Unit Os (0.75%)

Map Unit Name: Osier loamy sand
Bedrock Depth - Min: null
Watertable Depth - Annual Min: 0cm
Drainage Class - Dominant: Poorly drained
Hydrologic Group - Dominant: A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Osier(95%)

horizon A(0cm to 10cm)	Loamy sand
horizon Cg(10cm to 183cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Os - Osier loamy sand

Component: Osier (95%)

The Osier component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains, drainageways, coastal plains. The parent material consists of sandy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

Soil Information

Map Unit SuC (0.28%)

Map Unit Name:	Sunsweet loamy fine sand, 6 to 10 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Nankin(95%)

horizon Ap(0cm to 18cm)	Loamy fine sand
horizon E(18cm to 28cm)	Loamy fine sand
horizon Bt(28cm to 122cm)	Clay
horizon BC(122cm to 140cm)	Sandy clay
horizon C(140cm to 190cm)	Loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: SuC - Sunsweet loamy fine sand, 6 to 10 percent slopes

Component: Nankin (95%)

The Nankin component makes up 95 percent of the map unit. Slopes are 6 to 10 percent. This component is on marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map Unit VaB (0.54%)

Map Unit Name:	Varina loamy fine sand, 2 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Varina(95%)

horizon Ap(0cm to 20cm)	Loamy sand
horizon E(20cm to 38cm)	Loamy sand
horizon Bt(38cm to 183cm)	Sandy clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: VaB - Varina loamy fine sand, 2 to 6 percent slopes

Component: Varina (95%)

The Varina component makes up 95 percent of the map unit. Slopes are 2 to 6 percent. This component is on marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during November. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Soil Information

Map Unit W (0.06%)

Map Unit Name: Water

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - Water

Component: Water (95%)

Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Map Unit WgB (9.26%)

Map Unit Name: Wagram sand, 0 to 6 percent slopes

Bedrock Depth - Min: null

Watertable Depth - Annual Min: null

Drainage Class - Dominant: Well drained

Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Wagram(90%)

horizon A(0cm to 76cm)

Sand

horizon Bt(76cm to 183cm)

Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: WgB - Wagram sand, 0 to 6 percent slopes

Component: Wagram (90%)

The Wagram component makes up 90 percent of the map unit. Slopes are 0 to 6 percent. This component is on marine terraces on middle coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Norfolk (7%)

Generated brief soil descriptions are created for major soil components. The Norfolk soil is a minor component.

Component: Blanton (3%)

Generated brief soil descriptions are created for major soil components. The Blanton soil is a minor component.

Map Unit WgC (0.17%)

Map Unit Name: Wagram sand, 6 to 10 percent slopes

Bedrock Depth - Min: null

Watertable Depth - Annual Min: null

Drainage Class - Dominant: Well drained

Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Wagram(95%)

Soil Information

horizon Ap(0cm to 18cm)	Sand
horizon E(18cm to 66cm)	Sand
horizon Bt(66cm to 188cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: WgC - Wagram sand, 6 to 10 percent slopes

Component: Wagram (95%)

The Wagram component makes up 95 percent of the map unit. Slopes are 6 to 10 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria.

Map Unit WgD (0.09%)

Map Unit Name:	Wagram sand, 10 to 15 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Wagram(100%)

horizon Ap(0cm to 18cm)	Sand
horizon E(18cm to 66cm)	Sand
horizon Bt(66cm to 188cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: WgD - Wagram sand, 10 to 15 percent slopes

Component: Wagram (100%)

The Wagram component makes up 100 percent of the map unit. Slopes are 10 to 15 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria.

Map Unit Wn (85.51%)

Map Unit Name:	Wehadkee and Johnston soils, frequently flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Wehadkee(37%)

horizon A(0cm to 18cm)	Fine sandy loam
horizon Cg1(18cm to 76cm)	Fine sandy loam

Soil Information

horizon Cg2(76cm to 122cm)	Sandy clay loam
horizon 2Cg(122cm to 165cm)	Sand
Johnston(24%)	
horizon A(0cm to 51cm)	Loam
horizon Cg(51cm to 203cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Wn - Wehadkee and Johnston soils, frequently flooded

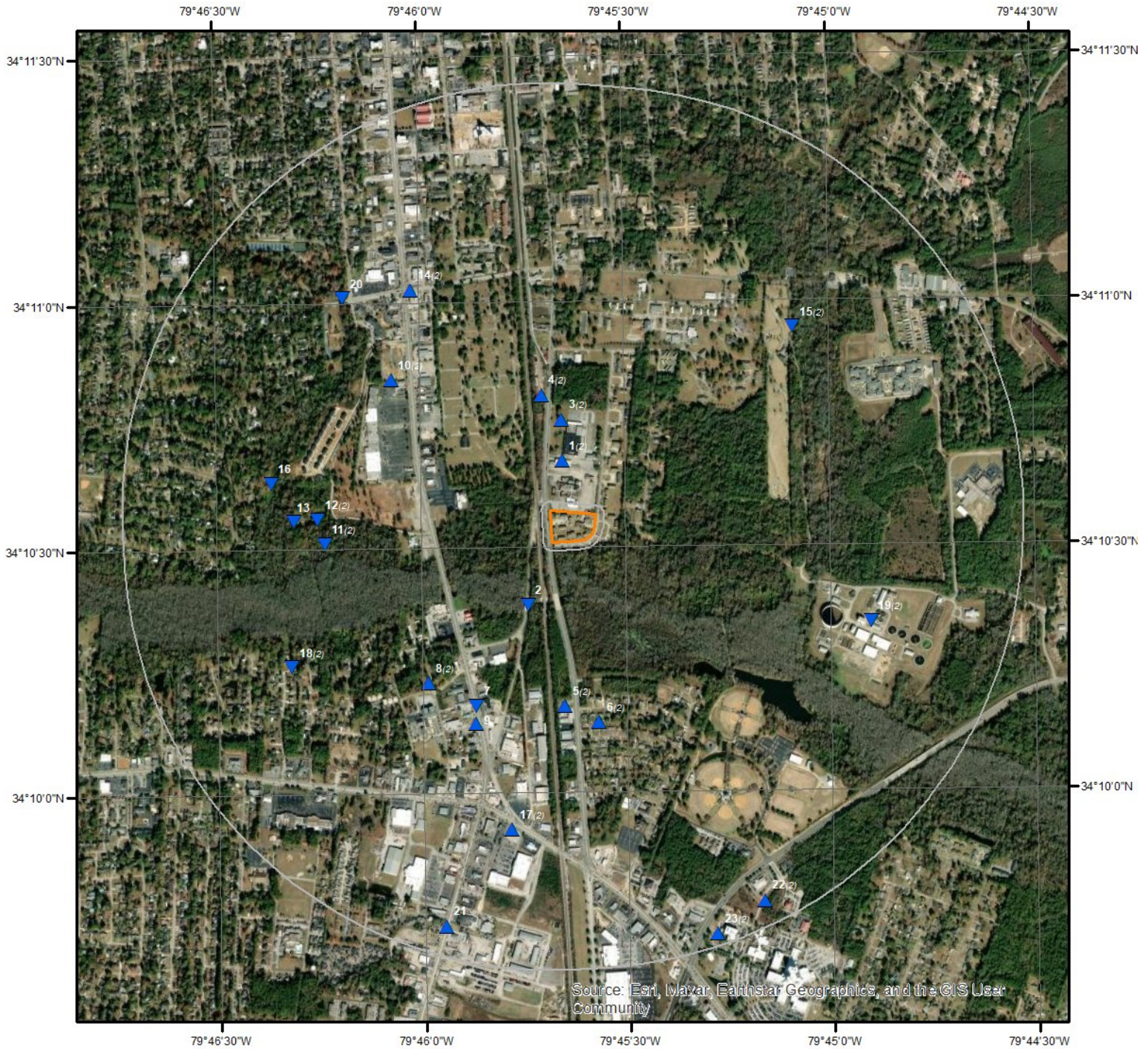
Component: Wehadkee (37%)

The Wehadkee component makes up 37 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains, coastal plains. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

Component: Johnston (24%)

The Johnston component makes up 24 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains, coastal plains. The parent material consists of loamy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria.

Wells and Additional Sources



Wells & Additional Sources



0 0.15 0.3 0.6 Miles

- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
No records found			

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
7	SC2160011	2226.47	SSW
9	SC2160052	2424.65	SSW
21	SC2160012	4913.93	SSW

USGS National Water Information System

Map Key	Site No	Distance (ft)	Direction
1	USGS-341040079454001	626.80	N
2	USGS-02131135	830.41	SSW
3	USGS-341045079454001	1129.55	N
4	USGS-341048079454300	1424.70	NNW
5	USGS-341010079454000	2024.54	S
6	USGS-341008079453500	2252.01	S
8	USGS-341013079460000	2309.08	SW
10	USGS-341050079460509	2532.08	NW
11	USGS-341030079461509	2799.55	W
12	USGS-341033079461600	2867.02	W
14	USGS-341101079460201	3214.82	NW
15	USGS-341056079450601	3356.37	NE
16	USGS-94504100001	3452.89	W
17	USGS-340955079454800	3575.28	S
18	USGS-341015079462000	3562.66	WSW
19	USGS-341020079445509	3596.20	ESE
20	USGS-02131130	3652.89	NW
22	USGS-340946079451100	4974.16	SSE
23	USGS-340942079451800	5130.75	SSE

State Sources

Coastal Plain Well Records

Map Key	Well ID	Distance (ft)	Direction
1	FLO-335	626.80	N
3	FLO-337	1129.55	N
4	FLO-139	1424.70	NNW
5	FLO-34	2024.54	S
6	FLO-35	2252.01	S
8	FLO-37	2309.08	SW
10	FLO-241	2532.08	NW
11	FLO-302	2799.55	W
12	FLO-140	2867.02	W
14	FLO-365	3214.82	NW
15	FLO-417	3356.37	NE

Wells and Additional Sources Summary

17	FLO-36	3575.28	S
18	FLO-38	3562.66	WSW
19	FLO-183	3596.20	ESE
22	FLO-96	4974.16	SSE
23	FLO-150	5130.75	SSE

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Public Water Supply Wells

Map Key	Well No	Distance (ft)	Direction
13	G21103	3162.29	W

Underground Injection Control Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Water Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Wells and Additional Sources Detail Report

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SSW	0.42	2,226.47	105.26	SDWIS

PWS ID: SC2160011
PWS Type Code: CWS
PSW Type: Community water system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I
Activity: Inactive
PWS Deactivation Dt: 04/01/1994
Phone No: 803-662-8277
Phone Ext No:
Admin Name: PINE VIEW TP
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 40
Epa Region Desc: Region 4
Epa Region: 04
First Reported Date: 02/10/1979
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Last Reported Date: 11/15/2006
Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: <=100
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: South Carolina
Primacy Agency Code: SC
Season Begin Date:
Season End Date:
Service Connections Count: 9
Submission Yr Qtr: 2023Q3

Wells and Additional Sources Detail Report

Primacy Type: State
 Dbpr Schedule Category:
 Submission Status: Reported and accepted
 Reduced Monitoring
 Begin:
 Reduced Monitoring End
 Date:
 Reduced Rtr Monitoring:
 Seasonal Startup System:
 Source Protection Begin
 Date:
 City Served:
 County Served: Saluda

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SSW	0.46	2,424.65	108.85	SDWIS

PWS ID: SC2160052
 PWS Type Code: TNCWS
 PSW Type: Transient non-community system
 Primary Source Code: GW
 Primary Source: Ground water
 Pws Activity Code: I
 Activity: Inactive
 PWS Deactivation Dt: 04/01/1994
 Phone No: 803-662-0927
 Phone Ext No:
 Admin Name: WEST LANE TR PK
 Alt Phone No:
 Email Addr:
 Fax No:
 Cds ID:
 Population Served Count: 11
 Epa Region Desc: Region 4
 Epa Region: 04
 First Reported Date: 02/10/1979
 Gw or Sw: Groundwater
 Is Grant Eligible Ind: No
 Outstanding Performer:
 Is School or Daycare Ind: No
 Is Wholesaler Ind: No
 Lt2 Schedule Cat:
 Last Reported Date: 07/22/1995
 Org Name:
 Outstanding Perform
 Begin Date:
 Owner Type: Private
 Pop Cat 11: <=100
 Pop Cat 2: <10,000

Wells and Additional Sources Detail Report

Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: South Carolina
Primacy Agency Code: SC
Season Begin Date: 01-01
Season End Date: 12-31
Service Connections Count: 5
Submission Yr Qtr: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring Begin:
Reduced Monitoring End Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin Date:
City Served:
County Served: Saluda

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSW	0.93	4,913.93	117.92	SDWIS

PWS ID: SC2160012
PWS Type Code: CWS
PSW Type: Community water system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I
Activity: Inactive
PWS Deactivation Dt: 01/01/1994
Phone No: 803-662-1105
Phone Ext No:
Admin Name: TURNER'S TP
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 32
Epa Region Desc: Region 4
Epa Region: 04
First Reported Date: 02/10/1979
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:

Wells and Additional Sources Detail Report

Is School or Daycare Ind: No
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Last Reported Date: 11/15/2006
Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: <=100
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: South Carolina
Primacy Agency Code: SC
Season Begin Date:
Season End Date:
Service Connections
Count: 9
Submission Yr Qtr: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring
Begin:
Reduced Monitoring End
Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin
Date:
City Served:
County Served: Saluda

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	N	0.12	626.80	114.53	FED USGS

Site No: USGS-341040079454001
Site Type: Well
Formation Type:
Date Drilled: 1989
Well Depth: 120
Well Depth Unit: ft
Well Hole Depth: 120
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 335
Latitude: 34.17793360000000

Wells and Additional Sources Detail Report

Longitude: -79.7608961000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	SSW	0.16	830.41	79.23	FED USGS

Site No: USGS-02131135
Site Type: Stream
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS South Carolina Water Science Center
Station Name: JEFFERIES CREEK AT JAMES JONES AVE NR FLORENCE, SC
Latitude: 34.17302778000000
Longitude: -79.7623611000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	N	0.21	1,129.55	112.51	FED USGS

Site No: USGS-341045079454001
Site Type: Well
Formation Type:
Date Drilled: 1990
Well Depth: 230
Well Depth Unit: ft
Well Hole Depth: 230
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 337
Latitude: 34.17932247000000
Longitude: -79.7608961000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNW	0.27	1,424.70	119.91	FED USGS

Site No: USGS-341048079454300
Site Type: Well
Formation Type:
Date Drilled: 19610401
Well Depth: 720
Well Depth Unit: ft
Well Hole Depth: 726
Well Hole Depth Unit: ft

Wells and Additional Sources Detail Report

Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 139
Latitude: 34.18015577000000
Longitude: -79.7617294000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	S	0.38	2,024.54	111.73	FED USGS

Site No: USGS-341010079454000
Site Type: Well
Formation Type:
Date Drilled: 1938
Well Depth:
Well Depth Unit:
Well Hole Depth: 70
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 34
Latitude: 34.16960050000000
Longitude: -79.7608963000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.43	2,252.01	115.32	FED USGS

Site No: USGS-341008079453500
Site Type: Well
Formation Type: Black Creek Formation
Date Drilled: 1945
Well Depth: 60.75
Well Depth Unit: ft
Well Hole Depth: 75
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 35
Latitude: 34.16904499000000
Longitude: -79.7595074000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SW	0.44	2,309.08	111.37	FED USGS

Site No: USGS-341013079460000
Site Type: Well
Formation Type:
Date Drilled: 1941
Well Depth:

Wells and Additional Sources Detail Report

Well Depth Unit:
Well Hole Depth: 70
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 37
Latitude: 34.17043380000000
Longitude: -79.7664519000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.48	2,532.08	124.24	FED USGS

Site No: USGS-341050079460509
Site Type: Well
Formation Type:
Date Drilled:
Well Depth: 650
Well Depth Unit: ft
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 241
Latitude: 34.18071128000000
Longitude: -79.7678406000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.53	2,799.55	83.07	FED USGS

Site No: USGS-341030079461509
Site Type: Well
Formation Type:
Date Drilled:
Well Depth: 195
Well Depth Unit: ft
Well Hole Depth: 280
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 302
Latitude: 34.17515587000000
Longitude: -79.7706186000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	W	0.54	2,867.02	96.11	FED USGS

Site No: USGS-341033079461600
Site Type: Well

Wells and Additional Sources Detail Report

Formation Type: Middendorf Formation
Date Drilled: 19610224
Well Depth: 680
Well Depth Unit: ft
Well Hole Depth: 712
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 140
Latitude: 34.17598918000000
Longitude: -79.7708963000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NW	0.61	3,214.82	127.77	FED USGS

Site No: USGS-341101079460201
Site Type: Well
Formation Type:
Date Drilled: 1992
Well Depth: 120
Well Depth Unit: ft
Well Hole Depth: 120
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 365
Latitude: 34.18376675000000
Longitude: -79.7670072000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NE	0.64	3,356.37	97.93	FED USGS

Site No: USGS-341056079450601
Site Type: Well
Formation Type:
Date Drilled: 2003
Well Depth: 259
Well Depth Unit: ft
Well Hole Depth: 305
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 417
Latitude: 34.18237798000000
Longitude: -79.7514515000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	W	0.65	3,452.89	89.65	FED USGS

Wells and Additional Sources Detail Report

Site No: USGS-94504100001
Site Type: Facility: Water-distribution system
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLORENCE CITY OF
Latitude: 34.17722220000000
Longitude: -79.7727778000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	S	0.68	3,575.28	115.39	FED USGS

Site No: USGS-340955079454800
Site Type: Well
Formation Type:
Date Drilled: 19471001
Well Depth:
Well Depth Unit:
Well Hole Depth: 60
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 36
Latitude: 34.16543397000000
Longitude: -79.7631187000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	WSW	0.67	3,562.66	104.05	FED USGS

Site No: USGS-341015079462000
Site Type: Well
Formation Type:
Date Drilled: 1947
Well Depth:
Well Depth Unit:
Well Hole Depth: 63
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 38
Latitude: 34.17098930000000
Longitude: -79.7720076000000

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	ESE	0.68	3,596.20	99.28	FED USGS

Site No: USGS-341020079445509
 Site Type: Well
 Formation Type:
 Date Drilled:
 Well Depth: 170
 Well Depth Unit: ft
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS South Carolina Water Science Center
 Station Name: FLO- 183
 Latitude: 34.17237830000000
 Longitude: -79.7483960800000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NW	0.69	3,652.89	100.20	FED USGS

Site No: USGS-02131130
 Site Type: Stream
 Formation Type:
 Date Drilled:
 Well Depth:
 Well Depth Unit:
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS South Carolina Water Science Center
 Station Name: GULLY BRANCH AT CHEROKEE ROAD AT FLORENCE, SC
 Latitude: 34.18348897000000
 Longitude: -79.7697850000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SSE	0.94	4,974.16	110.74	FED USGS

Site No: USGS-340946079451100
 Site Type: Well
 Formation Type: Black Creek Formation
 Date Drilled: 19891108
 Well Depth: 196.00
 Well Depth Unit: ft
 Well Hole Depth: 386.00
 Well Hole Depth Unit: ft
 Reporting Agency: USGS South Carolina Water Science Center
 Station Name: FLO- 96

Wells and Additional Sources Detail Report

Latitude: 34.16293410000000
Longitude: -79.7528408000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SSE	0.97	5,130.75	113.47	FED USGS

Site No: USGS-340942079451800
Site Type: Well
Formation Type:
Date Drilled: 19650901
Well Depth: 436
Well Depth Unit: ft
Well Hole Depth: 436
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 150
Latitude: 34.16182300000000
Longitude: -79.7547853000000

Coastal Plain Well Records

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	N	0.12	626.80	114.53	WATER WELLS

Well ID:	FLO-335	Owner Well ID:	
SCGR ID:	16M-u4	WI Yr:	1989
Co No:		Driller:	Welch
Use:		Drill Yr:	1989
WI Ft:	27	Drill Mo:	1
Depth D:	120	Topo:	Florence West
Depth C:	120	Elev:	
WI:		Location:	
WI Q:		Yield:	80
Diam 1:	4	Yield Yr:	1989
Diam 2:		D Logs:	Yes - log in DNR files
OH Gas:		D Logs Text:	Yes
Screen T:	70	P Test:	No
Screen B:	120	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7749	Latitude:	34.1779303477
Well Use:	IRR	Longitude:	-79.7608949063
Chem:		X:	-79.7608920416868
G Logs:		Y:	34.1779236558882
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	c0b144fa-f634-49ff-b7e5-91271384bc0d		

Wells and Additional Sources Detail Report

Remarks:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	N	0.21	1,129.55	112.51	WATER WELLS

Well ID:	FLO-337	Owner Well ID:	
SCGR ID:	16M-u5	WI Yr:	1990
Co No:		Driller:	Welch
Use:		Drill Yr:	1990
WI Ft:	60	Drill Mo:	10
Depth D:	230	Topo:	Florence West
Depth C:	230	Elev:	
WI:		Location:	
WI Q:		Yield:	80
Diam 1:	4	Yield Yr:	1990
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	170	P Test:	No
Screen B:	230	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7751	Latitude:	34.1793203267
Well Use:	IRR	Longitude:	-79.7608948861
Chem:		X:	-79.76089202185288
G Logs:		Y:	34.179313634612775
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	93e7fe6e-2b3d-49fc-9d4e-e2737d44a4c4		
Remarks:	D-log illegible. Location approximated.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNW	0.27	1,424.70	119.91	WATER WELLS

Well ID:	FLO-139	Owner Well ID:	
SCGR ID:	16M-u1	WI Yr:	1961
Co No:		Driller:	Layne-Atlantic
Use:		Drill Yr:	1961
WI Ft:	79	Drill Mo:	3
Depth D:	726	Topo:	Florence West
Depth C:	720	Elev:	118
WI:		Location:	
WI Q:		Yield:	
Diam 1:	4	Yield Yr:	
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	442	P Test:	No

Wells and Additional Sources Detail Report

Screen B:	720	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7580	Latitude:	34.1801503068
Well Use:	DES	Longitude:	-79.7617248904
Chem:		X:	-79.76172202558107
G Logs:		Y:	34.18014361435747
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	8ea32d51-74f7-49cf-a05c-79a02747a568		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	S	0.38	2,024.54	111.73	WATER WELLS

Well ID:	FLO-34	Owner Well ID:	
SCGR ID:	16M-u3	WI Yr:	
Co No:		Driller:	
Use:		Drill Yr:	1938
WI Ft:		Drill Mo:	
Depth D:		Topo:	Florence West
Depth C:	70	Elev:	115
WI:		Location:	
WI Q:		Yield:	
Diam 1:	1	Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7491	Latitude:	34.1695904586
Well Use:	IND	Longitude:	-79.760895012
Chem:		X:	-79.7608921477218
G Logs:		Y:	34.16958376897969
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	09e1e9fd-f710-475c-986f-212049d5e458		
Remarks:	H2S odor.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	S	0.43	2,252.01	115.32	WATER WELLS

Well ID:	FLO-35	Owner Well ID:	
SCGR ID:	16M-u2	WI Yr:	
Co No:		Driller:	

Wells and Additional Sources Detail Report

Use:		Drill Yr:	1945
WI Ft:		Drill Mo:	
Depth D:		Topo:	Florence West
Depth C:	75	Elev:	115
WI:		Location:	
WI Q:		Yield:	
Diam 1:	2	Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7492	Latitude:	34.1690404798
Well Use:	DOM	Longitude:	-79.7595049923
Chem:		X:	-79.75950212847887
G Logs:		Y:	34.16903378961137
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	042dfb83-1a5f-41b4-895e-996359239f56		
Remarks:	Flowed 15 gpm in 1947. Temp = 63.5 F.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SW	0.44	2,309.08	111.37	WATER WELLS

Well ID:	FLO-37	Owner Well ID:	
SCGR ID:	16M-v2	WI Yr:	
Co No:		Driller:	
Use:		Drill Yr:	1941
WI Ft:		Drill Mo:	
Depth D:		Topo:	Florence West
Depth C:	70	Elev:	100
WI:		Location:	
WI Q:		Yield:	
Diam 1:	3	Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7494	Latitude:	34.1704303966
Well Use:	DOM	Longitude:	-79.7664551086
Chem:		X:	-79.76645224313523
G Logs:		Y:	34.17042370677879
Well Use Desc:			
Chem Desc:	no analysis		

Wells and Additional Sources Detail Report

G Logs Desc:
 Global ID: d118f0f5-7126-4c4c-a5a8-f761f554e811
 Remarks: Flowed 30 gpm in 1947.

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.48	2,532.08	124.24	WATER WELLS

Well ID:	FLO-241	Owner Well ID:	
SCGR ID:	16M-v5	WI Yr:	
Co No:		Driller:	Virginia Machinery & Well Co.
Use:		Drill Yr:	1918
WI Ft:		Drill Mo:	10
Depth D:		Topo:	Florence West
Depth C:	650	Elev:	150
WI:		Location:	
WI Q:		Yield:	15
Diam 1:	10	Yield Yr:	1918
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:	600	P Test:	No
Screen B:	650	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7659	Latitude:	34.1807102425
Well Use:	ABN	Longitude:	-79.7678449998
Chem:		X:	-79.76784213276093
G Logs:		Y:	34.180703550471314
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	96366230-5293-470c-9920-3eb172dbfb9d		
Remarks:	Location estimated.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.53	2,799.55	83.07	WATER WELLS

Well ID:	FLO-302	Owner Well ID:	
SCGR ID:	16M-v4	WI Yr:	1996
Co No:		Driller:	Virginia Well Co.
Use:		Drill Yr:	1996
WI Ft:	2	Drill Mo:	6
Depth D:	280	Topo:	Florence West
Depth C:	195	Elev:	95
WI:		Location:	
WI Q:		Yield:	500
Diam 1:	8	Yield Yr:	1996
Diam 2:		D Logs:	Yes - log in DNR files

Wells and Additional Sources Detail Report

OH Cas:	D Logs Text:	Yes	
Screen T:	135	P Test:	Yes - pumping test in DNR files
Screen B:	190	P Test Text:	Yes
SCGS Sampl:	no	County:	Florence
Object ID 1:	7716	Latitude:	34.1751503035
Well Use:	PS	Longitude:	-79.7706151316
Chem:	C	X:	-79.77061226467363
G Logs:	E, G	Y:	34.175143611394034
Well Use Desc:			
Chem Desc:	complete analysis		
G Logs Desc:	electric log, natural gamma-ray log		
Global ID:	239ff8a6-98d6-4661-9590-7784f98a62af		
Remarks:	145 feet S of FLO-140.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	W	0.54	2,867.02	96.11	WATER WELLS

Well ID:	FLO-140	Owner Well ID:	
SCGR ID:	16M-v1	WI Yr:	1961
Co No:		Driller:	Layne-Atlantic
Use:		Drill Yr:	1961
WI Ft:	48	Drill Mo:	6
Depth D:	712	Topo:	Florence West
Depth C:	680	Elev:	95
WI:		Location:	
WI Q:		Yield:	1750
Diam 1:	24	Yield Yr:	1961
Diam 2:	12	D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	344	P Test:	Yes - pumping test in DNR files
Screen B:	680	P Test Text:	Yes
SCGS Sampl:	no	County:	Florence
Object ID 1:	7581	Latitude:	34.1759802878
Well Use:	PS	Longitude:	-79.770895125
Chem:	C	X:	-79.77089225751742
G Logs:	E	Y:	34.17597359677959
Well Use Desc:			
Chem Desc:	complete analysis		
G Logs Desc:	electric log		
Global ID:	d3c839d0-c698-4d37-9406-de3f409e6f35		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NW	0.61	3,214.82	127.77	WATER WELLS

Well ID:	FLO-365	Owner Well ID:	
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Wells and Additional Sources Detail Report

SCGR ID:	16M-s7	WI Yr:	1992
Co No:		Driller:	Welch
Use:		Drill Yr:	1992
WI Ft:	28	Drill Mo:	4
Depth D:	120	Topo:	Florence West
Depth C:	120	Elev:	
WI:		Location:	
WI Q:		Yield:	80
Diam 1:	4	Yield Yr:	1992
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	80	P Test:	No
Screen B:	120	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7779	Latitude:	34.1837602047
Well Use:	IRR	Longitude:	-79.7670049379
Chem:		X:	-79.7670020710578
G Logs:		Y:	34.183753512182065
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	d14314ff-5b03-4743-a3e4-1352a131e029		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NE	0.64	3,356.37	97.93	WATER WELLS

Well ID:	FLO-417	Owner Well ID:	
SCGR ID:	16M-u6	WI Yr:	2003
Co No:		Driller:	Professional Pump & Well
Use:		Drill Yr:	2003
WI Ft:	21	Drill Mo:	10
Depth D:	305	Topo:	Florence West
Depth C:	259	Elev:	
WI:		Location:	
WI Q:		Yield:	150
Diam 1:	6	Yield Yr:	2003
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	178	P Test:	Yes - pumping test in DNR files
Screen B:	254	P Test Text:	Yes
SCGS Sampl:	no	County:	Florence
Object ID 1:	7831	Latitude:	34.1823703635
Well Use:	IRR	Longitude:	-79.7514546437
Chem:		X:	-79.75145178201845
G Logs:		Y:	34.182363669235144

Wells and Additional Sources Detail Report

Well Use Desc:
 Chem Desc: no analysis
 G Logs Desc:
 Global ID: f34067de-8c80-475c-be2c-73d3b931b5be
 Remarks: 3 screens.

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	S	0.68	3,575.28	115.39	WATER WELLS

Well ID:	FLO-36	Owner Well ID:	
SCGR ID:	16N-a2	WI Yr:	1947
Co No:		Driller:	
Use:		Drill Yr:	1947
WI Ft:	5	Drill Mo:	5
Depth D:		Topo:	Florence West
Depth C:	60	Elev:	112
WI:		Location:	
WI Q:		Yield:	10
Diam 1:	2	Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7493	Latitude:	34.1654305106
Well Use:	DOM	Longitude:	-79.7631151149
Chem:		X:	-79.76311225081241
G Logs:		Y:	34.16542382180014
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	743bef57-440c-4ba1-86e5-c084a6776469		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	WSW	0.67	3,562.66	104.05	WATER WELLS

Well ID:	FLO-38	Owner Well ID:	
SCGR ID:	16M-v3	WI Yr:	
Co No:		Driller:	
Use:		Drill Yr:	1947
WI Ft:		Drill Mo:	
Depth D:		Topo:	Florence West
Depth C:	63	Elev:	100
WI:		Location:	
WI Q:		Yield:	

Wells and Additional Sources Detail Report

Diam 1:		Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7495	Latitude:	34.1709803391
Well Use:	DOM	Longitude:	-79.7720052067
Chem:		X:	-79.77200233972042
G Logs:		Y:	34.17097364870127
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	514694ec-6a06-4f91-974d-5bfa589ae354		
Remarks:	Flowing well (1947).		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	ESE	0.68	3,596.20	99.28	WATER WELLS

Well ID:	FLO-183	Owner Well ID:	
SCGR ID:	15M-y1	WI Yr:	
Co No:		Driller:	Layne-Atlantic
Use:		Drill Yr:	1960
WI Ft:		Drill Mo:	2
Depth D:		Topo:	Florence East
Depth C:	170	Elev:	30
WI:		Location:	
WI Q:		Yield:	
Diam 1:	4	Yield Yr:	
Diam 2:	3	D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:	146	P Test:	No
Screen B:	170	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7611	Latitude:	34.1723705224
Well Use:	PS	Longitude:	-79.7483947198
Chem:	P	X:	-79.7483918597249
G Logs:		Y:	34.17236383043855
Well Use Desc:			
Chem Desc:	partial analysis		
G Logs Desc:			
Global ID:	00df51e4-fa8b-43f6-afaa-b3f5e81b0431		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SSE	0.94	4,974.16	110.74	WATER WELLS

Wells and Additional Sources Detail Report

Well ID:	FLO-96	Owner Well ID:	
SCGR ID:	16N-a5	WI Yr:	1989
Co No:		Driller:	Grosch
Use:		Drill Yr:	1989
WI Ft:	24	Drill Mo:	11
Depth D:	386	Topo:	Florence West
Depth C:	196	Elev:	115
WI:		Location:	
WI Q:		Yield:	160
Diam 1:	6	Yield Yr:	1989
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	156	P Test:	Yes - pumping test in DNR files
Screen B:	191	P Test Text:	Yes
SCGS Sampl:	no	County:	Florence
Object ID 1:	7542	Latitude:	34.1629306434
Well Use:	IRR	Longitude:	-79.7528449474
Chem:		X:	-79.75284208604654
G Logs:	E, G	Y:	34.16292395404595
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:	electric log, natural gamma-ray log		
Global ID:	7e0367cc-1896-4b0b-8870-64166a6f7cdf		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SSE	0.97	5,130.75	113.47	WATER WELLS

Well ID:	FLO-150	Owner Well ID:	
SCGR ID:	16N-a1	WI Yr:	1955
Co No:		Driller:	Heater Well Co.
Use:		Drill Yr:	1955
WI Ft:	84	Drill Mo:	9
Depth D:	494	Topo:	Florence West
Depth C:	436	Elev:	115
WI:		Location:	
WI Q:		Yield:	400
Diam 1:	8	Yield Yr:	1955
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	416	P Test:	No
Screen B:	436	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7589	Latitude:	34.1618206466
Well Use:	PS	Longitude:	-79.7547850025

Wells and Additional Sources Detail Report

Chem: X: -79.7547821405721
G Logs: Y: 34.16181395804571
Well Use Desc:
Chem Desc: no analysis
G Logs Desc:
Global ID: 01721ab3-d6b3-40dc-b237-bff1df9deda4
Remarks:

Public Water Supply Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	W	0.60	3,162.29	94.01	PWSW

Well No:	G21103	Well Status:	Active
PWS No:	SC2110001	PWS Status:	Active
Availability Desc:	Permanent	PWS Type:	C
Latitude:	34.17592	Availability:	P
Longitude:	-79.77187	Type:	WL
County:	FLORENCE		
PWS Name:	FLORENCE CITY OF (SC2110001)		
PWS Type Desc:	Community Water system		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *FLORENCE* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L

Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L

Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *FLORENCE* County

No Measures/Homes:	37
Geometric Mean:	0.3
Arithmetic Mean:	0.5
Median:	0.4
Standard Deviation:	0.5
Maximum:	1.9
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of South Carolina conducted during 1990-91. Data represent 2-7 day charcoal canister measurement from the lowest level of each home tested.

Federal Sources

FEMA National Flood Hazard Layer

FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data

INDOOR RADON

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data

PWSV

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level

RADON ZONE

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS)

SDWIS

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database

SSURGO

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data

US WETLAND

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo

US TOPO

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology

US GEOLOGY

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System

FED USGS

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP

Appendix

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Coastal Plain Well Records

A list of water wells in the Coastal Plain counties of South Carolina. This is provided by Department of Natural Resource's Hydrology Section.

WATER WELLS

Oil and Gas Wells

As of RI state regulatory agencies, FracTracker Alliance - state of South Carolina confirmed not to have any active (drilled but not plugged) oil and gas wells.

OGW

Public Water Supply Wells

A list of Public Water Supply Wells made available by the South Carolina Department of Environmental Services (SCDES) Bureau of Water (BOW).

PWSW

Underground Injection Control Wells

This list of Underground Injection Control Class V Wells is provided by the South Carolina Department of Environmental Services (SCDES). The majority of Class V Wells are aquifer remediation injection wells, and the remaining are Aquifer Storage and Recovery Wells (storage of potable water in the subsurface).

UIC

Water Wells

A list of water wells in the Piedmont (upstate) counties made available by the South Carolina Department of Natural Resources. Some well locations are approximated to the nearest degree and minute of latitude and longitude.

WATER WELLS

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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APPENDIX D: QUALIFICATIONS



Education

BA in Environmental Science - University of North Carolina at Wilmington

Registrations

Certified Indoor Environmental Consultant (CIEC)
National Environmental Health Association-National Radon Proficiency Program (NEHA-NRPP) Residential Measurement Service Provided Certification
Level-I Certified Infrared Thermographer
NC Lead-Based Paint Inspector and Risk Assessor Certifications
NC/SC Asbestos Inspector

Training

Certified Indoor Environmentalist Course
Radon Measurement and Inspection Course
Radon Mitigation Technology
Level-I Infrared Thermography Course
Lead-Based Paint Inspector and Risk Assessor
Asbestos Inspector Course
Hazardous Waste Operations, Procedures, and Emergency Response Course-HAZWOPER
Wetland Delineation and Management Course
RMD LPA-1 Lead-Based Paint Inspection System, Niton Corporation XRF Spectrum Analyzer
Radon in Water: Residential Sampling and Aeration Mitigation
Radon Physics – The Basics, US Inspect
Radon Measurement Protocols Review
Radiation Safety Training Refresher for Radon Professionals
Radon Measurement Devices

Highlights

Over 23 years of experience in the environmental consulting industry performing Phase I Environmental Site Assessments (ESAs), Asbestos Surveys, Lead-Based Paint Inspections, Mold Inspections, Indoor Air Quality Assessments, Radon Measurement Testing, and Wetland Delineation and Permitting.

Experience Summary

Mr. Arnett has completed over 900 ESAs across the Southeast and Northeast United States. These projects included numerous ESAs utilizing the Fannie Mae and Freddie Mac scopes. Mr. Arnett has been a certified North Carolina Lead-Based Paint Inspector/Risk Assessor for 14 years performing inspections and risk assessments and an Asbestos Inspector for 12 years performing asbestos surveys in North and South Carolina. Mr. Arnett currently maintains the Certified Indoor Environmental Consultant (CEIC) certification through the American Indoor Air Quality Council and a Radon Measurement Provider certification through NEHA-NRPP. Mr. Arnett performs indoor air quality assessments for both residential and commercial projects. Mr. Arnett has performed wetland delineations and permitting for various sites in North Carolina. Mr. Arnett spent three years as a staff level geologist supervising UST and subsurface contaminations

removal projects, performing soil, air, and groundwater sampling associated with remediation sites, and supervised groundwater monitoring well installations.

Project Experience

Office Buildings:

- Charlotte, North Carolina: 214,000 SFG, 28-Story Office Building
- Charlotte, North Carolina: 150,863 SFG, 4-Story Office Building
- North Carolina: 133,147 SFG, 4-Story Office Building

Hotels:

- Courtyard Raleigh Midtown, Raleigh, North Carolina
- Holiday Inn, Columbia, South Carolina
- Holiday Inn Express, Columbia, South Carolina

Retail:

- Columbus Corner, Whiteville, NC: 93,460 SF, Strip Mall
- Tractor Supply, Columbia, South Carolina: 3,500 SF Retail Store
- BJ's Warehouse: 135,000 SF Retail Store

Industrial:

- Northern Tool, Fort Mill, SC: 701,000 SF Distribution Center
- Hanes Distribution Center, Rural Hall, North Carolina: 930,451 SF Distribution Center

Assisted Living and Multi-Family:

- Enclave at Rivergate, Charlotte, North Carolina: Multi-Family Apartment Complex
- Southern Oaks Apartments, Morrisville, North Carolina: Multi-Family Apartment Complex
- Woodlake Manufactured Home Community, Greensboro, North Carolina



Education

MS, Geology, Texas A&M University, College Station, TX
BA, Geology, Trinity University, San Antonio, TX

Registrations

Professional Geologist: California, 2005, No. 7825
Professional Geoscientist, 2023, No. 15460

Training

29 CFR 1910.120 40-hour HAZWOPER, Hazard Communication, Safety Awareness, Project Delivery, Asbestos Awareness, and other project management related courses.

Highlights

35+ years of experience in environmental consulting and regulatory compliance
35+ years performing site inspections for determination of environmental regulatory compliance, site investigations in advance of environmental cleanups, sampling and analysis of contaminated soil and groundwater to determine impacts to human health and the environment, development of remedial action plans for site cleanups, negotiating cleanup requirements with federal, state and local environmental regulatory agencies, preparing reports that meet project specific documentation requirements, conducting Phase I and II Environmental Site Assessments
35+ years with commercial, industrial, residential and military sites

Experience Summary

Ms. Ziegler is a Senior Project Manager at the Partner Engineering and Science, Inc. (Partner) Dallas, Texas office currently managing Phase I and Phase II Environmental Site Assessments for various client types including financial institutions, real estate investors, developers, lenders, etc. She initially was an individual contributor in preparation of documentation on multiple Site Mitigation projects for Partner, including subsurface investigations and remediation, that involve regulatory agency requirements for approval.

Ms. Ziegler is an environmental professional experienced with managing projects for commercial, industrial, municipal and federal clients, including U.S. Environmental Protection Agency (USEPA) and U.S. Department of Defense. Ms. Ziegler has, during her career, served as an environmental compliance consultant, both for a large environmental consulting firm and as an independent. She has demonstrated her ability to define and map environmental project scopes, specifications, timelines, resources, and budgets. She has a keen ability to gain stakeholders acceptance from proposal stage through project closeout. Ms. Ziegler maintains her Professional Geologist license from the State of California and is working toward obtaining the same licensure in Texas.

Over the span of her career, Ms. Ziegler has managed the oversight of large, complex environmental remedial action projects for industrial clients and federal entities. Her areas of expertise include project management, soil and groundwater site investigations, remedial action oversight and environmental regulatory compliance under CERCLA, RCRA, and California state agencies, including the State Water Resources Control Board (SWRCB) and Department of Toxic Substances Control (DTSC). She was the leading

senior project manager of the Western Region for conducting five-year reviews at sites undergoing remedial actions that included operations and maintenance of groundwater treatment systems, soil vapor extraction, landfill gas and leachate collection, and soil removal and disposal.

Project Experience

Phase I Environmental Site Assessments. Project Manager, Senior Reviewer, and Assessor for numerous Phase I ESAs both nationally, and internationally, for various facility types including coal-fired power plants, manufacturing, industrial, commercial, and multi-family residential. Client types have included investors, developers, financial institutions, individuals, and real estate professionals.

Phase II Environmental Site Assessments. Project Manager and Senior Reviewer for multiple complicated subsurface investigations mostly focused throughout Southern California. The projects have involved coordinating geophysical, drilling and laboratory subcontractors, field staff, and permitting. Some of these investigations have required coordination with regulatory agencies including the California Regional Water Quality Control Board and the Department of Toxic Substance Control, as well as local agencies for permitting and other regulatory compliance requirements. These investigations have included soil, soil gas, groundwater, and indoor air sampling depending on the environmental issues identified.

Fannie Mae Multi-Scope Portfolio. Project Manager and Senior Reviewer for Phase I ESAs, PCAs and PMLs of transactions for multifamily apartment complexes throughout Southern California. The project involved coordinating three different scopes of specially qualified assessors to conduct site visits and prepare agency compliant reports.

Freddie Mac Multi-Scope Portfolio. Project Manager and Senior Reviewer for Phase I ESAs and PCAs of transactions for multifamily apartment complexes in Massachusetts. The project involved conversion of existing site documentation and development into agency compliant reports that included radon sampling and preparation of an aboveground storage tank (AST) Operations and Maintenance (O&M) Plan.

Alicia Towne Center, Mission Viejo, California. Ms. Ziegler prepared a site characterization workplan in response to a pending Voluntary Cleanup Agreement (VCA) with DTSC's Brownfields Restoration and School Evaluation Branch. Previous investigations have shown that the property has elevated concentrations of tetrachloroethene (PCE) and related compounds in soil and soil gas resulting from operations of former dry cleaners. The workplan proposes further investigation of chlorinated volatile organic constituents in the soil and soil gas to delineate the lateral and vertical extent and be prepared to propose remedial alternatives if necessary.

Allmark Plaza, Rancho Cucamonga, California. Ms. Ziegler prepared a revised Removal Action Workplan based on comments received from the DTSC's Brownfields Restoration and School Evaluation Branch. The workplan presents a scope of work to remove concentrations of tetrachloroethene (PCE) and related compounds identified in soil and soil gas on the property that resulted from operations of a former dry cleaner. The removal action workplan proposes installation of a soil vapor extraction (SVE) system.

Former Industrial Facilities, Los Angeles, California. Ms. Ziegler prepared both a soil management plan (SMP) and a soil excavation work plan. The purpose of the SMP is to outline protocol for ensuring the proper handling and/or disposal of impacted soil that may be encountered during future grading and/or other redevelopment activities. Specifically, the SMP includes a brief summary of the site history and potential

chemicals of concern (COCs) and provides guidance for the following: identifying suspected impacted soil; managing and stockpiling graded soil (e.g., dust control, stockpile maintenance); collecting and analyzing samples from stockpiled soil as necessary to establish waste classification; establishing specific threshold levels to evaluate whether excavated soil is suitable for reuse on-site; and handling and/or disposing of soil with confirmed impacts. The focused Arsenic Remedial Excavation Work Plan (Work Plan) was prepared as required by the Los Angeles County Fire Department's Site Mitigation Unit to remediate soils containing elevated concentrations of arsenic on the property.

Publications

"Assessment of Human Exposure to Naturally Occurring (Unprocessed) Asbestos at the Clear Creek Management Area, California." Suer, Lynn; Den, Arnold; Lane, Jackie; Stralka, Daniel; Brass, Brian; Moore, Timothy; Ross, Steve; Ziegler, Caroline; and Braun, Richard. Presented by USEPA at the GSA Cordilleran Section 101st Annual Meeting, April 2005.

Contact

cziegler@partneresi.com



Education

M.S. Civil-Environmental Engineering, California State University, Fullerton
B.S. Environmental Engineering, University of California, Riverside
Coursework in Legal and Regulatory Framework for Environmental Management,
University of California Irvine
Coursework in Mold Inspection

Registrations

Professional Engineer, Colorado
Engineer-In Training (EIT), California
State of California Registered Environmental Assessor (program canceled in July 2012)
LEED Green Associate (GA) Accredited Professional, United States Green Building Council
AHERA Certified Building Inspector for Asbestos

Training

OSHA 40-hour HAZWOPER, Operations Level Health and Safety Training
OSHA 10-hour Construction Safety Training
Trained/Certified – Hazardous Waste in California, US Department of Transportation Hazardous Materials
Transportation, and USEPA Hazardous/Toxic Waste management (LION)

Highlights

Over 16 years in the environmental and engineering consulting industry with institutional and private clients
Environmental Engineer
Extensive knowledge of real estate due diligence
Phase I and Phase II Environmental Site Assessments
Site Mitigation and Remediation

Experience Summary

Ms. Ponce is an environmental engineer with more than 16 years of experience in the environmental and engineering services industries. As a Principal and National Client Manager working within Partner's Investment Advisory Group, Ms. Ponce strives to provide the expected high level of client service for the Equity Asset Management industry.

Ms. Ponce has significant experience in the field of environmental due diligence, site assessment, remediation, and regulatory compliance. Ms. Ponce provides environmental support to clients nationwide during the acquisition, disposition, development, and on-going management and operation of commercial, industrial, and multifamily residential properties.

Ms. Ponce has considerable experience in Phase I and Phase II Environmental Site Assessments (ESAs) of commercial, agricultural, and industrial properties and projects involving water quality, soil quality, and regulatory compliance including hazardous and solid waste site characterization and remediation; remediation system design installation, and operation; tank removals; asbestos surveys; lead-based paint surveys; radon studies; mold assessments; lead-in water sampling and analysis; and technical reporting.

Ms. Ponce has been involved with feasibility and treatability studies associated with several remediation projects including soil and groundwater treatment systems, UST/LUST closures, and management of construction soils generated during redevelopment of agricultural and industrial properties. Other equity and finance level services managed and directed by Ms. Ponce include management of Property Condition Assessments, ALTA Land Surveys, zoning reports, Seismic Risk Assessments (PML), Construction Risk Management, construction monitoring services, and construction document cost review analysis.

Real estate investors, financial institutions, insurance lenders, property managers, developers, and brokers have come to rely on her advice and judgment to help them with their real estate business decisions. Ms. Ponce is a dedicated professional who takes pride and pleasure in meeting her client's needs and spearheading and assembling the team with the expertise to handle any issue that may come up during the real estate transaction.

Project Experience

Ms. Ponce has conducted, managed, and directed thousands of ESAs, industrial hygiene, and engineering assessments throughout her career, nationally and globally. The following select projects and client base provide a glimpse of her consulting experience and due diligence background:

Ford Leasing Development Company / Sunset Ford, Westminster, California. Conducted a Phase I and II ESA and remedial activities at a closing automobile dealership with 41 service bays containing active, decommissioned, or removed in-ground hydraulic vehicle lifts. The Phase II ESA identified petroleum hydrocarbon and VOC impacts in soil and groundwater in the immediate vicinity of the lifts. Based on the identified impacts, managed the removal of all lifts and contaminated soil under regulatory oversight and conducted a comprehensive site investigation, including well installation and soil, groundwater, and soil vapor sampling. Prepared and submitted final reports to the client and regulatory agencies and obtained regulatory site closure.

UBS Realty Investors, LLC, Riverside, California. Conducted a Phase I ESA of an approximately 36-acre commercial shopping center containing retail stores; restaurants; banks; grocery stores; a movie theater; hair, nail, and beauty salons; and a dry cleaner in a total of 16 buildings. Work included site reconnaissance, tenant inspections, site history review, database search, and final report preparation with recommendations for additional assessment.

USDA Forest Service, Mountain Center, California. Prepared a Soil Excavation and Groundwater Well Installation Workplan to assess a release that was discovered during the removal of two 1,000-gallon USTs. Elevated contaminant concentrations were detected in confirmation soil samples collected at that time. Installed one groundwater monitoring well into fractured bedrock and later abandoned the well due to planned excavation activities in the area. A groundwater sample collected prior to well abandonment contained elevated contaminant concentrations. Prepared a Site Investigation Summary Report summarizing site activities and investigations to date. Prepared a Groundwater Assessment Workplan to assess the extent of contaminant concentrations in groundwater. Site assessment work is pending.

American Golf Corporation, Eighteen Sites in Southern California. Managed underground storage tank removal and closure activities. Work included performing initial confirmation soil sampling and analysis and subsequent monitoring and soil and/or groundwater testing in association with the removal of the underground storage tanks, associated dispensers, and piping at sixteen sites located throughout Southern

California. Prepared soil and/or groundwater investigation workplans as needed to address contamination issues at several of the sites and closure reports for the various State and local authorities. To date, regulatory closure has been obtained at most of the facilities. Currently managing ongoing monitoring and/or remediation is occurring at several of the facilities.

G.E. Capital, Tijuana, Mexico. Managed and conducted more than 30 Phase I and Phase II ESAs for active and proposed industrial developments within various areas of Tijuana, Mexico. Work included site reconnaissance, site history review, and final report preparation.

Affiliations

Member, Commercial Real Estate Development Association (NAIOP)
Member, Urban Land Institute (ULI)
Member, National Ground Water Association (NGWA)
Associate Member, American Society of Civil Engineers (ASCE)
Member, Commercial Real Estate Women (CREW)
Member, Groundwater Resources Association (GRA) of California
Intern Environmental Engineer, American Academy of Environmental Engineers (AAEE)
Member, International Council of Shopping Centers (ICSC)

Contact

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ASBESTOS-CONTAINING MATERIAL OPERATIONS & MAINTENANCE PLAN

Churchill Apartments

1117 June Lane
Florence, South Carolina 29506

Report Date

August 15, 2024

Partner Project No.

24-458664.1

Prepared for:

The Paces Foundation, Inc.
2730 Cumberland SE
Smryna, Georgia 30080

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APPENDICES

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1.0 INTRODUCTION

This Operations and Maintenance (O&M) Plan addresses activities that may involve or disturb asbestos-containing materials (ACM) at 1117 June Lane, located in Florence, South Carolina. An O&M Plan minimizes the potential for facility/maintenance personnel, tenants, contractors/vendors, and the general public to be exposed to ACM and/or airborne asbestos fibers. Asbestos is a naturally occurring mineral silicate whose fiber-like particles are known to cause mesothelioma, asbestosis, and lung cancer. Through the development and implementation of a procedural manual for company associates outlining the necessary procedures for emergency situations, associate training, periodic inspections, testing and record keeping, an O&M Plan can meet the needs of the facility in the management of ACM.

The objectives of the O&M Plan are to clean up existing contamination, minimize future fiber release by controlling access to ACM, and maintain ACM until it is eventually removed. Intentional disruption of ACM should be limited to repair or removal of small areas of significantly damaged ACM, or small areas where removal is necessary to facilitate maintenance/renovation activities. Large abatement projects that require extensive planning and technical expertise are beyond the scope of this O&M Plan.

It is important to note that this O&M Plan is based on the original date of construction and/or provided information indicating the presence or potential presence of ACM. Furthermore, a limited or comprehensive asbestos survey was not conducted; therefore, all previously untested suspect ACM, surface applied materials, and thermal insulation should be presumed to contain asbestos until analytical results indicate otherwise.

2.0 OCCUPANT NOTIFICATION

It is the obligation of the property owner to notify appropriate persons as required by law, to take necessary steps to minimize the potential for asbestos exposure.

It is the obligation of the property owner that only trained and qualified individuals are authorized to disturb or remove any ACM.

It is the obligation of the property owner that maintenance/custodial staff receive appropriate O&M training, as deemed necessary by the owner.

Action for Owners

Building owners, in addition to informing building workers as required by the Occupational Safety and Health Administration (OSHA), should also inform occupants and tenants about the location and physical condition of the ACM, and stress the need to avoid disturbing the material.



Building owners should inform occupants about the presence of ACM by distributing written notices, posting signs or labels in a central location where affected occupants can see them, and holding awareness or information sessions. Some states and localities have “right-to-know” laws that may require that all occupants, workers, and visitors in buildings with ACM be informed that asbestos is present. OSHA also requires warning signs to be displayed at each regulated area so that an employee may read the signs and take necessary protective steps before entering the area.

Building owners should inform new employees about the presence of ACM before they begin work. OSHA requires this notification for employees who will perform housekeeping activities where ACM may be disturbed. Additional steps may be needed for illiterate or non-English speaking workers and other occupants who may encounter language difficulties. For example, owners should consider providing information sessions in languages other than English where a significant number of workers, occupants, or visitors do not speak English. Furthermore OSHA regulations require that employers ensure employees can comprehend the warning signs posted. Owners may wish to consider developing a warning label system for illiterate workers showing them pictures about potential hazards of disturbing ACM and showing them where ACM is located. Translations of the warning labels should be provided by the owner for non-English speaking personnel.

O&M workers should receive the training necessary for them to perform their tasks safely.

Information for Occupants (workers, tenants and others)

Occupants should be notified for two reasons: (1) There may be a potential hazard in their vicinity; and (2) informed persons are less likely to disturb the material and cause fibers to be released into the air. All employees and tenants or tenant representatives likely to disturb ACM should be included in the notification

program on a continuing basis. The specific information given to types of building occupants will vary. For example, because building maintenance and service workers carry out certain tasks that office workers or tenants do not perform, they should receive additional information. Most important, operations and maintenance workers should receive the training they need to perform their tasks safely. For information on training requirements, see the OSHA regulations at [29 CFR § 1910.1001\(j\)\(7\) \(PDF\)](#) (53 pp, 408K, [about PDF](#)).

Whatever its form, the information given to building occupants and workers should address the following points to the extent they reflect building conditions:

- ACM has been found in the building and is located in areas where the material could be disturbed.
- The condition of the ACM, and the response that is appropriate for that condition.
- Asbestos only presents a health risk when fibers become airborne and are inhaled. The mere presence of intact ACM may not represent a health risk.
- The ACM is found in the following locations: (e.g., ceilings in Rooms 101 and G-323, walls in the lobby, above suspended ceilings in the first floor corridor, on columns in the main entry, on pipes in the boiler room).
- Do not disturb the ACM [e.g., do not push furniture against the ACM, do not damage thermal system insulation (TSI)].
- Report any evidence of disturbance or damage of ACM to [name, location, and phone number of the O&M Plan Manager (APM)].
- Report any dust or debris that might come from the ACM or suspect ACM, any change in the condition of the ACM, or any improper action (relative to ACM) of building personnel to (name, location, and phone number of the O&M Plan Manager).
- Cleaning and maintenance personnel are taking special precautions during their work to properly clean up any asbestos debris and to avoid disturbing ACM.
- All ACM is inspected periodically and additional measures will be taken if needed to protect the health of building occupants.

3.0 TRAINING

In order to ensure that all ACM are handled properly, this facility has created a collateral position entitled O&M Plan Manager, to be assigned by the Owner. All activities related to the handling of ACM are to be coordinated through this individual or management company.

3.1 Training Program

A key element in initiating and carrying out this Asbestos O&M Plan is a properly trained building maintenance staff. This group is responsible for daily awareness/inspection of ACM as they perform their tasks. The maintenance staff will report any indication of potential problems resulting from changes of ACM condition, area use, or maintenance practices. The maintenance staff will receive the 2-hour General Asbestos Awareness training. The operations staff which will be working in direct contact with asbestos materials for repair operations will receive the 16-hour operations and maintenance training.

The following elements should be presented in the Asbestos training programs:

Building Maintenance Staff Training

Asbestos Awareness Training

- a. Introduction - General background on asbestos, common uses of asbestos in building materials, explanation of the Asbestos O&M Plan, and abatement activities to date, etc.
- b. Medical/Mechanisms for Exposure - Condensed version of medical review from the 16-hour "Operations and Maintenance" training, along with similar mechanisms for exposure, with emphasis on fiber entrainment mechanisms.
- c. Use of High-Efficiency Particulate Air (HEPA) Technology - Discussion and use of HEPA filtration, vacuums, and filter changes, etc.
- d. Cleaning Techniques - Implementation of specialized cleaning methods, dusting techniques, wet cleaning methods, and proper disposal, etc.
- e. Daily Awareness/Inspection - Training to focus an awareness of the indications of potential problems, chain of command and notification, and general techniques to avoid exposure.
- f. Mechanisms to Reduce Exposure
 - Proper use of mechanical engineering control systems
 - Protection or removal of exposed material in high traffic areas
 - Construction of temporary barriers
 - Minimization of air circulation
 - Use of water during maintenance
 - Use of specialized equipment: HEPA - vacuum filtration
 - Others
- g. Coordination with O&M Plan Manager - Schedules for cleaning, mopping, stripping, buffing, etc.
- h. Continued Employee Education - Periodic training sessions, discussion of issues arisen between sessions, required attendance of senior maintenance staff, etc.

3.2 O&M Plan Manager Responsibilities

The O&M Plan Manager shall be responsible for the following tasks:

- Implement and monitor the asbestos control program.
- Coordinate all activities with asbestos consultants/contractors.
- Review specifications for services or work; retain consultant, and evaluate bids and proposals; and monitor contractor's performance of asbestos-related work.
- Provide access to training and technical assistance to construction and property managers to ensure asbestos control.
- Keep adequate records of asbestos exposure assessments, medical exam records (if required), abatement plans and actions, and ensure regional compliance with 29 CFR 1910.1001(m)(3), 29 CFR 1910.20, and 1926.1101
- Ensure that all personnel tasked to handle asbestos are qualified and certified in accordance with applicable federal, state, and local standards.
- Incorporate, schedule, monitor, and maintain records of the periodic ACM inspection program.
- Review all planned construction and maintenance activities in areas known to have asbestos-containing materials to prevent unnecessary damage to the material, occupant exposure, and contamination of the building.
- Monitor the above work while it is in progress to ensure that it complies with contract specifications.
- Ensure that a record is kept, and that the property owner is informed of all applicable incidents, situations, or accidents involving asbestos-containing material.

Owner Designated O&M Plan Manager:	
O&M Plan Manager	
Address:	
Telephone:	

The Management Company (if no management company is assigned, the following duties shall remain the responsibility of the O&M Plan Manager) shall be responsible for the following tasks:

- Ensure that only authorized persons repair, replace, or handle ACM.
- Maintain an on-site record of O&M Plan inspection reports as received.
- Report all damaged suspect or known ACM immediately to the O&M Plan Manager.
- Direct all unauthorized personnel to remain clear of asbestos-containing materials.
- Review all planned construction and maintenance activities in areas known to have ACM to prevent unnecessary damage to the material, occupant exposure and contamination of the building.
- Monitor the above work while it is in progress to ensure that it complies with contract specifications.
- Report and coordinate all asbestos-related issues through the O&M Plan Manager.
- Coordinate the response to all inquiries relative to asbestos through the O&M Plan Manager.
- Ensure that a record is kept and that the property owner is informed of all applicable incidents, situations or accidents involving asbestos-containing materials.

Owner Designated Management Company:	
Company Name:	
Contact Person:	
Address:	
Telephone:	

SUGGESTED TRAINING COURSES FOR EMPLOYEES INVOLVED IN THE O&M PLAN

Custodial & Maintenance	General Awareness	2 hours
Maintenance Supervisor /Installation Head	O & M (includes hands on train)	16 hours
Maintenance Supervisor /Installation Head	Inspector	3 days
Asbestos O&M Plan Manager	Project Designer	3 days

CLASSIFICATION OF ASBESTOS WORK PRACTICES BY OSHA AND ASSOCIATED TRAINING

The following work practice classifications are appropriate for maintenance personnel under this O&M Plan.

Class III Repair and Maintenance activities where ACM or Presumed ACM (PACM) is disturbed, does not include activities designed to remove ACM.

- a. Requires an EPA 16-hour Operations and Maintenance course, which is inclusive of the 2-hour General Awareness course.
- b. May require participation in a Respiratory Protection Program
- c. May require participation in a Medical Surveillance Program

Class IV Maintenance and Custodial work where employees contact, but do not disturb ACM and PACM, including activities which include cleanup of ACM and PACM waste and debris.

- a. Requires two-hour General Awareness training
- b. May require participation in a Respiratory Protection program
- c. May require participation in a Medical Surveillance program

4.0 APPROPRIATE WORK PRACTICES

The following work practices are included for general information, as these materials may or may not be present in the facility. An EPA General Safety brochure is provided in Appendix A. Additional ACM may be located in your facility which is not outlined below. An ACM Inspection Form has been provided in Appendix B. All building materials must be tested prior to disturbance. As a general rule, maintenance personnel working on Class III Repair and Maintenance activities under the O&M Plan are limited up to three square feet or three linear feet (the contents of one glove bag) of ACM. Larger quantities of ACM should be addressed by a certified abatement contractor.

The following forms have been appended to this O&M Plan:

- A Job Request Form is provided in Appendix D.
- A Maintenance Work Authorization Form is provided in Appendix E.
- An Evaluation of Work Affecting ACM is provided in Appendix F.
- A hyperlink for asbestos regulations covering various work practices is included in Section 10.0 References.

4.1 Routine Maintenance or Repair Activities in Asbestos-Containing Environments

Maintenance or repair activities in the local of asbestos-containing resilient floor tiles or sheet flooring should not disturb ACM. Where maintenance activities cannot be avoided, special procedures must be introduced to limit the potential for damage and contamination of the surrounding areas. Work practices include, but are not limited, to the following:

- Use of wet methods;
- Use of HEPA vacuums;
- Prompt action to clean up ACM/PACM debris;
- Following OSHA respirator requirements; and
- Assume waste and debris in areas with accessible (friable) TSI and surfacing materials contains asbestos. A Waste Tracking Form has been provided in Appendix C.

4.1.1 *Preparation Prior to Renovation or Maintenance Activities & Emergency Response to Damaged Asbestos Containing Acoustical Ceiling Materials*

- Notify supervisor and cordon off area using appropriate signage (per 29 CFR 1910.1001(j)(3)).
- O&M Plan Manager will contract a licensed asbestos abatement contractor to remove ACM.
- O&M Plan Manager will contract an asbestos consultant to perform ambient air sampling upon completion of response action.
- Waste material should be properly manifested and disposed.

4.2 Asbestos Containing Building Materials

The following asbestos containing building materials (ACMs) are suggested materials that are typically encountered in buildings. The list should not be construed as being representative of all materials that may be present in a building or property. Therefore, if a prior or subsequent survey is performed, the identified ACMs should be incorporated for the purposes of this Operations & Maintenance Plan.

Plaster and Spray-Applied Acoustical Texture or Fireproofing

- Asbestos-containing plaster is generally considered to be friable if it is damaged or disturbed. Plaster is often applied to interior ceilings and walls and over irregularities, such as nail penetrations, to provide a textured, acoustically absorbent finish to the ceiling. It can be rough or smooth to the touch. It is not possible by sight or by touch to determine if plaster is asbestos-containing.
- Spray-applied acoustical ceiling texture is generally considered to be friable and could present a potential health hazard if disturbed. Acoustical ceiling plaster usually has a rough (popcorn like) finish and can be soft or hard to the touch. It is usually spray-applied, however, trowel-applied material is also observed.
- Asbestos-containing spray-applied fireproofing is generally considered to be friable and present a potential health hazard if it is disturbed. Fireproofing is often applied to steel structural members, and to the interior of elevator shafts. Spray-applied fireproofing is generally rough in appearance, and can be "cottage-cheese" like or firm and somewhat cement like in texture.

These materials are susceptible to water damage and are evident via discoloration. If water damage continues, delaminating will occur, resulting in an increased potential for asbestos fiber exposure. All potential sources of water leakage should be immediately addressed to prevent further water damage to the ACM.

Vinyl Composite Floor Tiles (VFT), Sheet Flooring (VSF), and Mastics

Vinyl floor tiles, sheet flooring, and associated mastics are generally considered to be non-friable materials, provided that they remain undisturbed on floor surfaces. It is not possible by sight or touch to determine if floor coverings are asbestos containing. Sheet flooring is typically composed of two layers, a top protective layer and a bottom paper-like insulating layer. A mastic material, often asbestos-containing, adheres the floor tile or sheet flooring to the substrate.

Drywall and Drywall Joint Compound (DWJC)

Drywall and drywall joint compound are generally considered to be friable materials if damaged or disturbed. DWJC is applied to interior drywall seams and over irregularities, such as nail penetrations, to provide a smooth finish to the wall system prior to painting. Because of the absence of rough edges and the typically painted surfaces, this material generally has a low propensity for disturbance under normal use and wear. It is usually hard to the touch. It is not possible by sight or by touch to determine if DWJC is asbestos-containing.

Thermal System / Transite Pipe Insulation

Asbestos-containing transite vent pipes are commonly used as exhaust flues for heaters, water heaters, and boilers. These materials are unlikely to pose a health threat if left undisturbed and should be monitored for damage.

Asbestos-containing thermal and transite pipe insulation is commonly applied to heating vessels such as boilers, hot water tanks, and the associated piping. Thermal insulation is generally considered to be friable, although it is commonly enclosed in a canvas jacket. It is very important the jacket material remain free from tears or rips that can expose the underlying ACM. Other types of thermal insulation in use include a paper-type insulation. These materials are unlikely to pose a health threat if left undisturbed and should

be monitored for damage. Often, the hard, mudded elbows and hanger supports used with fiberglass pipe insulation contains asbestos. Thermal insulation is particularly susceptible to water damage. Plumbing and roof leaks should be immediately repaired when determined to have caused water damage to ACM.

“Stucco”

Asbestos-containing “stucco” is commonly used as an exterior finish. “Stucco” is generally considered to be non-friable. These materials are unlikely to pose a health threat if left undisturbed and should be monitored for damage.

Black Roof Seal/Mastic and Roofing Materials (Shingles, Asphaltic Roofing)

Asbestos-containing roof seal/mastics are still in use today. The material is considered to be non-friable and the fibers are unlikely to be released from the asphaltic matrix. These materials are unlikely to pose a health threat if left undisturbed and should be monitored for damage.

Under normal conditions of use, asbestos fibers are bound into the matrix of the previously discussed materials as well as roof shingles and asphaltic roofing, and may pose a hazard to building occupants should the material become friable (pulverized or airborne). Mechanical disturbance of these materials should be avoided as activities such as cutting, drilling, grinding, sanding, or hammering may cause significant damage and lead to airborne fiber release.

5.0 INSPECTION PROGRAM

5.1 Responsibilities

In order to maintain that the facility is in the best possible condition, the following tasks must be performed:

5.2 Semiannual Inspection

The O&M Plan Manager will coordinate the inspection process, analyze and consolidate results, and report any problems or necessary corrective recommendations to the proper authority. Each facility containing friable asbestos must have a semiannual physical "walkthrough" by a qualified inspector (using the original survey report and subsequent re-inspection reports as a guideline) to confirm that all ACM in the facility is intact and manageable. If new damage is identified, it must be noted so that remedial action can be arranged.

Posting of warning signs and labels in areas with known ACM should be performed upon confirmation of the presence of ACM in the building (29 CFR 1926.1101). Labeling is intended to prevent damage or disturbance of ACM by unprotected individuals and to prevent such persons from entering areas where there is potential exposure from ACM.

5.3 Air Monitoring

Upon disturbance of confirmed or suspected ACM and/ or if required by law, air sampling must be conducted by qualified professionals to determine the airborne fiber concentration in the area.

5.4 Training

The reverse side of the inspection form is to document the initial training and annual re-training of all personnel who are exposed to ACM as part of their job tasks. If applicable this group would typically include persons specifically trained in emergency clean-up techniques; building maintenance/engineering/trades personnel, etc.

Other persons (including contractor personnel) who may work in or around ACM environments (but not handle or maintain ACM) should receive the appropriate training under the guidelines delineated in the applicable regulations.

All training programs must inform employees about the following:

- Methods of recognizing asbestos;
- Health hazards of asbestos exposure;
- Relationship between asbestos and smoking in producing lung cancer;
- Operations that could result in asbestos exposure;
- Importance of necessary protective controls to minimize exposure including, as applicable, engineering controls, work practices, respirators, housekeeping procedures, emergency procedures, and waste disposal procedures;
- Purpose, proper use and limitations of respirators; and
- The medical surveillance program;
- A complete review of the OSHA standard(s) including appendices.

6.0 EMPLOYEE PROTECTION

It is the express policy of the property owner that ACM present in this facility shall be maintained in such a way as to preclude the necessity of using personal protection equipment (PPE). No employees or tenants of the subject site or outside contractor employee shall disturb any ACM without proper training. Anyone working in the vicinity of identified ACM shall receive the proper training consisting of the two-hour Asbestos Awareness Class.

Any asbestos-related abatement/removal/cleanup conducted at the subject site will be performed by a licensed contractor.

At a minimum, the following elements should be included in the employer's worker protection program:

- Hazard determination, including exposure assessment;
- Engineering and work practice controls;
- Respiratory protection;
- Protective clothing and equipment;
- Housekeeping;
- Hygiene facilities and practices;
- Medical surveillance and provisions for medical removal;
- Training;
- Signs; and
- Recordkeeping.

To implement the worker protection program properly, the employer needs to designate a competent person (i.e., one who is capable of identifying existing and predictable hazards or working conditions which are hazardous or dangerous to employees) in accordance with the general safety and health provisions of OSHA standards. The competent person must have the authorization to take prompt corrective measures to eliminate such problems. Qualified medical personnel must be available to advise the employer and employees on the health effects of employee asbestos exposure and supervise the medical surveillance program.

7.0 RECORDKEEPING

All the building asbestos management documents should be stored in permanent files, including:

- Inspection and assessment reports
- The O&M Plan
- Work practices and procedures
- Respirator use procedures
- Fiber release reports
- Application for maintenance work and work approval forms
- Evaluations of work affecting ACM
- Reinspection/surveillance of ACM

EPA recommends that building owners make available all written elements of the O&M Plan to the building's O&M staff as well as to tenants and other building occupants, if applicable. Building owners are also encouraged to consult with their legal counsel concerning appropriate recordkeeping strategies as a standard part of their O&M programs.

Occupational Safety and Health Administration (OSHA) standards require that employers with employees engaged in asbestos-related work retain the following records:

- Personal air sampling records, for at least 30 years; personal air samples are those collected in the worker's breathing zone during performance of work involving asbestos exposures.
- The data used to qualify for exemptions from OSHA's initial monitoring requirements for the duration of the exemption.
- Medical records for each employee subject to the medical surveillance program for the duration of their employment plus 30 years.
- All employee training records for one year beyond the last date of each worker's employment.

Additional OSHA recordkeeping requirements are listed below for reference:

- Access to employee exposure and medical records ([29 CFR 1910.1020](#))
- Hazard Communication ([29 CFR 1910.1200](#)).
- Also see the OSHA Construction Rule ([29 CFR 1926.1101](#)) or the EPA Worker Protection Rule ([40 CFR 763 Subpart G](#)) which incorporates the OSHA regulations by reference for certain state and local employees) for more details of recordkeeping requirements.

8.0 RESPIRATOR PROGRAM

No site employees, occupants, or outside contractors shall be authorized to disturb ACM with the exception of maintenance and custodial workers. Custodial and maintenance workers will receive the appropriate training according to daily activities. Any asbestos-related abatement/removal conducted at the subject site will be performed by a licensed contractor.

An employer must provide respirators and ensure they are used during all Class III and IV work within a regulated area where other employees are required to wear respirators, during all work where exposures exceed OSHA permissible exposure limits, and in emergencies. Medical clearance is required to wear a respirator.

9.0 DEFINITIONS

Accessible Material - any material access to which can be gained by any means other than significant destruction of building components, or, for the purposes of describing building occupant activities, a material subject to disturbance by routine use or maintenance activities

Asbestos - the general name given to a number of naturally occurring hydrated mineral silicates each of which possesses a specific crystalline structure, is incombustible in air, and is separable into fibers; asbestos includes the asbestiform varieties of Chrysotile (serpentine), Crocidolite (riebeckite), Amosite (cummingtonite-grunerite), Anthophyllite, and Actinolite.

Asbestos Containing Material (ACM) - may be defined, as by the EPA, as any friable material or product containing greater than one percent asbestos or, by convention, as any material or product which contains >1% asbestos

Asbestos Debris - pieces of material that can reasonably be identified by color, texture or composition as being traceable to a known asbestos containing application; may mean dust, if the dust is determined by analysis to be ACM

Bulk Samples - samples of bulk material; in the case of asbestos, suspect asbestos containing material; Chain-of-Custody (COC) - formal procedures for tracking samples and ensuring their integrity

Encapsulation - treatment of ACM with a material that surrounds or embeds asbestos fibers in an adhesive or cementitious matrix to inhibit the release of fibers; the encapsulant creates a membrane over the surface of the material (bridging encapsulant) or penetrates the material or binds its components together (penetrating encapsulant).

Enclosure - an airtight, impermeable, permanent barrier around ACM to prevent the release of asbestos fibers into the air

EPA - United States Environmental Protection Agency

Fair - as used to describe material condition, damage is more prevalent or severe than on materials rated as good

Fiber Release Episode - any uncontrolled or unintentional disturbance of ACM resulting in airborne asbestos fiber emission

Friability - the physical characteristic of any solid that describes its ability to be broken down to a powder or dust; a highly friable material is one that can be easily crumbled by hand pressure; a moderately friable material is one that can be crumbled with some difficulty by hand pressure or by mechanical means; a low friability material is one that may require mechanical means to crumble; while the condition of a material does not constitute a measure of its friability, weathering and deterioration can increase the friability of a material

Glovebag - a plastic enclosure with built-in gloves which is placed with an airtight seal around asbestos containing pipe lagging or other materials such that they may be removed or repaired without generating airborne fibers

Good - as used in the context of material condition, integrity of the material is generally complete, with possible small areas of delamination or indications of limited contact or water damage; the mechanism to retain the insulation in its original position (e.g. cloth wrapping over pipe insulation) is still present

Heating Ventilation and Air Conditioning (HVAC) system - the system of pipes, ducts, and equipment, (air conditioners, chillers, heaters, boilers, pumps, fans) used to heat, cool and filter air and move it through a building; the HVAC system is one of several mechanical systems found in most buildings

High Efficiency Particulate Air (HEPA) Filter - a filtering system capable of trapping and retaining at least 99.97 percent of all particles 0.3 micrometers in diameter or larger

Homogeneous Application - an application of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color, texture, and vintage of application

Lock-down - application of a sealing material to ensure that any residual microscopic fibers remaining following asbestos removal are prevented from becoming airborne

Mechanical System - a building component system: can include the plumbing system, elevator system, and others (see Heating Ventilation and Air Conditioning system (HVAC))

NIOSH - United States National Institute of Occupational Safety and Health

Operations and Maintenance (O&M) Plan - a program of work practices and training and management procedures designed to maintain ACM in good condition; an O&M Plan ensures clean-up of asbestos fibers previously released and prevention of further release by minimizing and controlling ACM disturbance or damage; an O&M Plan should be implemented at all buildings with ACM

Optical Microscope - a microscope that uses the transmission of light through lenses to magnify a specimen for examination; capable of resolution of fibers or other materials down to approximately 0.25 micrometers in diameter

OSHA - United States Occupational Safety and Health Administration

Permissible Exposure Limits (PELs)

1. Time-weighted average limit (TWA). The employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter of air as an eight (8) hour time-weighted average (TWA), as determined by PCM, or by an equivalent method.
2. Excursion limit. The employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 1.0 fiber per cubic centimeter of air (1 f/cc) as averaged over a sampling period of thirty (30) minutes, as determined by PCM, or by an equivalent method.

Phase Contrast Microscopy (PCM) - an optical microscopic technique used for counting fibers in air samples; PCM does not distinguish between asbestos and non-asbestos fiber types; the PCM method currently recognized is referred to as NIOSH 7400

Physical Assessment - evaluating asbestos containing material to determine its current condition and potential for future disturbance

Plenum - a space in a building, other than a duct or shaft, designed to transport air; plenums are commonly the space between a suspended ceiling and the floor above

Polarized Light Microscopy (PLM) - an optical microscopic method for the identification of asbestos in bulk samples in which the sample is illuminated with polarized light

Poor - as used in the context of material condition, material is obviously damaged with evidence of delamination or inadequate adhesion of the material to its substrate

Presumed Asbestos Containing Material (PACM) - Presumed Asbestos Containing Material means thermal system insulation and surfacing material found in buildings constructed no later than 1980; the designation of a material as "PACM" may be rebutted pursuant to paragraph (k)(5) of 29 CFR 1926.1101

Quality Assurance (QA) - a process designed to provide confidence that the quality control program is being applied effectively; the process includes an auditing procedure designed to evaluate all known policies and procedures that affect the quality of results

Quality Control (QC) - a program comprised of the operational procedures to ensure that data are of known and acceptable precision and accuracy

Regulated Area - an area established by the employer to demarcate areas where airborne concentrations of asbestos exceed (or there is a reasonable possibility they may exceed) the permissible exposure limits.

Response Action - any method, including removal, encapsulation, enclosure, repair, or Operations and Maintenance Program that minimizes harm to human health and the environment from the hazards and effects of ACM

Specifications - a written set of standards, procedures, and materials for the abatement of asbestos; includes contract documents detailing the Scope of Work of the project and defining Contractor, Building Owner and Consultant responsibilities

Transite - a trade name for asbestos cement wallboard or pipe

Transmission Electron Microscopy (TEM) - State-of-the-art analytical method for air and bulk sample analysis; uses high magnification (typically 15,000x) to identify asbestos fibers; may utilize Energy Dispersive Spectroscopy (EDS) and/or Selected Area Electron Diffraction (SAED) to confirm asbestos and to identify the type of asbestos present; recommended for final clearance air samples and for bulk analysis of samples with difficult-to-analyze matrices (e.g., plaster, vinyl tile); provides the most definitive analysis of asbestos currently available.

10.0 REFERENCES

10.1 Asbestos Regulations:

In the case of conflict between federal and state regulations, the more stringent regulations apply.

OSHA

29 CFR 1910.1001 Occupational Exposure to Asbestos; General Industry

29 CFR 1926.1101 Occupational Exposure to Asbestos; Construction Industry

USEPA (United States Environmental Protection Agency)

40 CFR 61, Subpart M

National Emission Standard for Hazardous Air Pollutants (NESHAP); Asbestos Regulations

40 CFR 763, Appendix C to Subpart E

Asbestos School Hazard Abatement Reauthorization Act (ASHARA) / Asbestos Model Accreditation Plan

10.2 Guidance Documents:

USEPA Guidance for Controlling Asbestos Containing Materials in Buildings ("Purple Book")

USEPA Managing Asbestos in Place: A Building Owner's Guide to Operations and Maintenance Programs ("Green Book")

APPENDIX A: GENERAL SAFETY CONSIDERATIONS

(This section is reprinted from Appendix D of the EPA's White Book for use by personnel performing O & M activities, and is supplied for informational purposes only)

Ronald L. Stanevich

NIOSH Division of Safety Research

This guide was primarily developed to provide recommendations concerning worker respiratory protection within the asbestos abatement industry. However, employers must not lose sight of the safety hazards their employees are exposed to in performance of their work. Asbestos abatement operations can take place in a variety of industrial, commercial and public settings. Each has unique potential safety hazards that the employer must control. However, nearly all abatement operations have some common safety hazards. With proper job planning and supervision, the employer can control both the health hazards and the safety hazards faced by their workers. The more common safety hazards associated with abatement operations and general recommendations to control them are discussed below. Sources for more specific safety information are listed to supplement and support the applicable OSHA regulatory standards.

I. ELEVATED WORK SURFACES

The nature of asbestos abatement tasks usually requires workers to work from ladders, scaffolds, lifts, or other elevated surfaces, which creates the potential for fall injuries. Slips and falls from ladders, scaffolds, and other elevated surfaces result in a major portion of the construction industry injuries. Many of these can be prevented by implementing a few control measures:

A. General

1. Avoid use of makeshift work platforms by providing portable ladders and scaffolds.
2. Ensure that job built elevated work surfaces are inspected by a competent person other than the individual who erects it.
3. Avoid working from elevated surfaces where possible. Consider use of wands for spraying amended water or scrapers with extended handles.

B. Ladders

Eighty percent of ladder related accidents result from improper use or application:

1. Workers should face the ladder when climbing up, down, or working from it.
2. Workers should not carry objects in their hands while ascending or descending ladders. While working from a ladder they should hold on with at least one hand.
3. Ladders should not be used as a substitute for planks, runways, or walkboards.
4. Ladders should be maintained in good condition. Defective ladders should be destroyed so that no one uses them by mistake.
5. Ladders should have safety feet in good condition to keep the ladder from slipping and cutting through floor covers.
6. Ladder rungs/steps should be kept free of contaminants such as amended water and buildup of asbestos waste.
7. Employees should work no higher than the fourth step/rung from the top of the ladder.

8. Employees should not attempt to "reach" distant objects from a ladder; other platforms should be used.
9. Wood or fiberglass ladders should be provided to help control exposure to electrical hazards.
10. Employees should not straddle the space between a ladder and another object.
11. Employees should make a visual inspection of ladders before each shift.

Additional information sources:

Ladders -- publication no. ISBN 0-919465-05-6

Construction Safety Association of Ontario, 74 Victoria Street, Toronto. Ontario Canada M5C 2A5

Safety Requirements for Portable Wood Ladders -- ANSI A14.1 - 1982

Safety Requirements for Job Made Ladders -- ANSI A14.4 - 1979

Safety Requirements for Portable Reinforced Plastic Ladders -- ANSI A14.5 - 1982

American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

Portable Ladders -- Industrial Safety Data Sheet #665, National Safety Council, 444 North Michigan Avenue, Chicago Illinois 60611

C. Scaffolds

Falls from scaffolds result in about 2,000 injuries per month in the United States. These can be reduced by:

1. providing guardrails around the perimeter of the work surface regardless of scaffold height
2. securing scaffold decks against slippage
3. keeping scaffold uprights vertical and pinned together when stacked
4. ensuring vertical members are braced to keep the scaffold plumb and level
5. decking the entire top portion of the work surface in lieu of using minimum planking dimensions
6. extending planks at least 6" (150 mm) over their support and securing them from movement
7. ensuring that manufacturer built in ladders are in good condition
8. maintaining mobile scaffold casters in good condition with position locking devices secured when employees are working from the scaffold
9. keeping mobile scaffolding height less than four times the minimum base dimension and with adequate cross bracing
10. never interchanging scaffolding pans from different units
11. never using defective scaffolding
12. designating only "competent" persons to perform scaffolding repairs.

Additional information sources:

Manually Propelled Mobile Ladder Stands and Scaffolds--ANSI A92.1 - 1977

Manually Propelled Elevating Work Platforms -- ANSI A92.3 - 1980

Self-propelled Elevating Work Platforms -- ANSI A92.6, American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

II. ELECTRICAL HAZARDS

Asbestos abatement is often related to renovation or remodeling activities. Normally the equipment, machinery, overhead lighting fixtures, and auxiliary furnishings are removed to facilitate the abatement work. However, it is becoming more common that industrial and commercial buildings remain partially occupied while abatement operations are performed. In either situation, the abatement operator must take positive actions to protect employees from accidentally coming into contact with energized electrical circuits.

A. General

1. Perform an initial walk-through of the abatement area to look for pre-existing electrical hazards involved with the work
2. De-energize as many circuits as possible
3. Verify that the circuits have been de-energized with a "Field Current Sensing Device" circuit tester. Either lock out/tag out all de-energized circuits to prevent them from accidentally being energized.
4. Use non-conductive tools such as scrapers and vacuum attachments made of wood, plastic, or rubber.
5. Provide workers with non-conductive rubber boots and/or gloves when work must be done around energized wiring or equipment.
6. Prohibit accumulation of puddles of water on the floor. Workers should be trained in the intelligent use of amended water. No water should be used around energized circuits.

B. Permanent Building Circuitry

1. Ensure that all permanent circuits are provided with a grounding system. This can be determined with a portable ground tester.
2. Ensure that electrical outlets are tightly sealed and taped to avoid water spray.
3. Determine what equipment must remain energized during the abatement process.
4. Insulate or guard energized equipment and wiring from employee contact and other conductive objects.
5. Avoid damaging permanent building wiring during the work.
6. Consider dry removal methods in the vicinity of electrical equipment which must remain energized.

C. Temporary Power

1. All temporary circuits provided by the abatement operator must be provided with a grounding system and protected by ground fault circuit interrupters.
2. Avoid stringing temporary wiring across floors
3. Elevated wiring should not be fastened with staples, nails, or wire.
4. Use care, not to damage the wiring insulation during installation or abatement work.

D. Electrical Cords and Tools

1. Provide extension cords which have a ground conductor.

2. Ensure that cords are not damaged, contain no splices, and that the grounding lug on the male plug is intact.
3. Position extension cords to eliminate stumbling/tripping hazards and to protect them from damage by moving scaffolds.
4. Provide electrical tools which are either grounded or of the double insulated type
5. Use shatterproof, guarded bulbs and heavy duty wiring for temporary lighting.
6. Where plugs enter receptacles, ensure that the connection is protected by use of duct tape or by other means.

Additional information sources:

National Electrical Safety Code -- ANSI C2-1984

National Electrical Code -- ANSI/NFPA 70-1984, American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

Temporary Electric Wiring for Construction Sites -- Industrial Safety Data Sheet #515, National Safety Council, 444 North Michigan Avenue, Chicago, Illinois 60611

APPENDIX B: ACM INSPECTION FORM

ANNUAL INSPECTION FORM						
DATE						
ROOM						
INSPECTOR						
ASBESTOS MATERIALS	STATUS OF MATERIAL					
	UNCHANGED		CONTACT DAMAGE		WATER DAMAGE	
	YES	NO	YES	NO	YES	NO
COMMENTS:						
ACTION TAKEN:						
ACTION APPROVED BY:						
DATE:						

APPENDIX C: WASTE TRACKING FORM

WASTE TRACKING FORM		
PART 1 – TO BE COMPLETED BY WORKERS		
Maintenance Work Authorization No.		
Work Location:	Building:	Room # or Area:
Type of ACM Removed:	Quantity of Waste Generated:	
No. of Bags:	Other Containers:	
Waste Transported To:		
Transported By:	Tracking Form Given to:	
PART 2 – TO BE COMPLETED BY ASBESTOS O&M PLAN MANAGER		
Waste Properly Packaged & Labeled: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Exceptions:		
Waste Storage Location:	Waste Disposal Location	
Waste Shipment Records Received	Date:	
Signed: (O&M Plan Manager)	Date:	

APPENDIX D: JOB REQUEST FORM (MAINTENANCE WORK)

JOB REQUEST FORM FOR MAINTENANCE WORK		
Name	Date	
Telephone No.	Job Request No.	
Requested Starting Date:	Anticipated Finish Date	
Address, Building, & Room Number(s) (or description of area) where work is to be performed		
Description of Work:		
Description of any asbestos-containing material (ACM) that might be affected, if known (include location and type)		
Name of Requestor	Telephone No of Requestor	
Name of Supervisor	Telephone No. of Supervisor	
SUBMIT THIS APPLICATION TO THE ASBESTOS O&M PLAN MANAGER NOTE: An application must be submitted for all maintenance work whether or not ACM might be affected. An authorization must be received before any work can proceed.		
<input type="checkbox"/> Granted <input type="checkbox"/> With Conditions <input type="checkbox"/> Denied	Job Request No.	
	Conditions	
O&M Plan Manager:	Signature	Date

APPENDIX E: MAINTENANCE WORK AUTHORIZATION FORM

MAINTENANCE WORK AUTHORIZATION FORM		Authorization No.
AUTHORIZATION IS GIVEN TO PROCEED WITH THE FOLLOWING MAINTENANCE WORK		
PRESENCE OF SUSPECT ACM, PRESUMED ACM (PACM) AND/OR ASBESTOS CONTAINING MATERIAL (ACM)		
<input type="checkbox"/>	Suspect ACM or PACM, and/or ACM is NOT present in the vicinity of the maintenance work.	
<input type="checkbox"/>	Suspect ACM or PACM, and/or ACM is present but its disturbance is not anticipated; however, if conditions change the Asbestos Plan Manager will re-evaluate the work request prior to proceeding.	
<input type="checkbox"/>	Suspect ACM or PACM, and/or ACM is present and may be disturbed.	
WORK PRACTICE IS SUSPECT ACM, PACM AND/OR ASBESTOS –CONTAINING MATERIALS ARE PRESENT		
The following work practices shall be employed to avoid or minimize disturbing asbestos:		
PERSONAL PROTECTION IF ASBESTOS-CONTAINING MATERIALS ARE PRESENT.		
The following equipment/clothes shall be used/worn during the work to protect workers		
SPECIAL PRACTICES AND/OR EQUIPMENT REQUIRED		
O&M Plan Manager	Signature	Date

APPENDIX F: EVALUATION OF WORK AFFECTING ACM

EVALUATION OF WORK AFFECTING PACM, SUSPECT AND/OR ASBESTOS CONTAINING MATERIALS		
This evaluation covers the following maintenance work:		
Location of work (address, building, room number(s), or general description)		
Date(s) of work	Description of work	Work Approval Form #
Evaluation of work practices employed to minimize disturbance of asbestos		
Evaluation of work practices employed to contain released fibers and to clean up to the work area		
Evaluation of equipment and procedures used to protect workers		
Personal air monitoring results (licensed asbestos contractor to supply)		
Worker Name	Results	
Worker Name	Results	
O&M Plan Manager	Signature	Date

NOT APPLICABLE FOR THIS REPORT

LEAD-BASED PAINT OPERATIONS & MAINTENANCE PLAN

Churchill Apartments

1117 June Lane
Florence, South Carolina 29506

August 15, 2024

Partner Project Number: 24-458664.1

Prepared for:

The Paces Foundation, Inc.

Smryna, Georgia 30080



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1.0 INTRODUCTION

This Operations and Maintenance (O&M) Plan addresses activities that may involve or disturb lead-based paints (LBP) at 1117 June Lane, located in Florence, South Carolina. An O&M Plan minimizes the potential for facility/maintenance personnel, tenants, contractors/vendors, and the general public to be exposed to LBP. Exposure to lead particulates through ingestion or inhalation may cause elevated blood lead levels, attention deficit disorder, and damage the reproductive system. Through the development and implementation of a procedural manual for company associates outlining the necessary procedures for emergency situations, associate training, periodic inspections, testing and record keeping, an O&M Plan can meet the needs of the facility in the management of LBP.

An implemented O&M Plan can provide a level of assurance that prudent measures are being taken to minimize the potential exposure to LBP. Furthermore, this plan may serve as evidence that the owner is aware of the liabilities and outlines the steps that will be actively taken to minimize exposure potential.

It is important to note that this O&M Plan is based on the original date of construction and/or provided information indicating the presence or potential presence of LBP. Furthermore, Partner has not performed either a limited or comprehensive lead-based paints survey of the subject property; therefore, Partner recommends that all previously untested suspect LBP materials/surfaces are presumed to contain lead-based paint until analytical results indicate otherwise.

2.0 OWNER OBLIGATIONS

It is the obligation of the property owner to notify appropriate persons as required by law, and to take necessary steps to minimize the potential for lead-based paint exposure.

It is the obligation of the property owner that only trained and qualified individuals are authorized to disturb or remove any LBP.

It is the obligation of the property owner that maintenance/custodial staff receive appropriate O&M training, when their activities impact LBP.

When conducting construction or demolition activities which disturb lead in any amount or create an exposure to workers, the employer is required to provide worker protection and conduct exposure assessments (29 CFR 1926.62) prior to construction or demolition activities. This regulation requires initial employee exposure monitoring to evaluate worker exposure during work that disturbs lead-containing materials (lead present in detectable levels). It is suggested that engineering controls, respiratory protection, and personal protective equipment be employed at the start of a project that could disturb lead-containing materials.

3.0 TRAINING

Maintenance personnel that may work with LBP, clean up lead-contaminated dust and soil, and perform other limited work with lead must receive basic training on lead hazards, safe work practices, containment methods, and specialized cleaning practices. In order to ensure that all LBP is handled properly, this facility has created a collateral position entitled O&M Plan Manager, to be assigned by the Owner. All activities related to the handling of LBP are to be coordinated through the O&M Plan Manager or management company.

O&M PROGRAM MANAGER RESPONSIBILITIES

The O&M Plan Manager shall be responsible for the following tasks:

- Implement and monitor the LBP control program.
- Coordinate all activities with LBP consultants/contractors.
- Review specifications for services or work; retain consultant and evaluate bids and proposals; and monitor contractor's performance of LBP-related work.
- Provide access to training and technical assistance to construction and property managers to ensure LBP control.
- Ensure that all personnel tasked to handle lead-based paints are qualified and certified in accordance with applicable federal, state, and local standards.
- Incorporate, schedule, monitor, and maintain records of the periodic LBP inspection program.
- Review all planned construction and maintenance activities in areas known to have lead-based paint to prevent unnecessary damage to the material, occupant exposure, and contamination of the building.
- Monitor the above work while it is in progress to ensure that it complies with contract specifications.
- Ensure that a record is kept, and that the property owner is informed of all applicable incidents, situations, or accidents involving lead based paints.

<i>Owner Designated O&M Plan Manager:</i>	
O&M Plan Manager	
Address:	
Telephone:	

MANAGEMENT COMPANY RESPONSIBILITIES

The Management Company (if no management company is assigned, the following duties shall remain the responsibility of the O&M Program Manager) shall be responsible for the following tasks:

- Ensure that only authorized persons repair, replace, or handle LBP.
- Maintain an on-site record of O&M Plan inspection reports as received.
- Report all damaged suspect or known LBP immediately to the O&M Plan Manager.
- Direct all unauthorized personnel to remain clear of lead-based paints.
- Review all planned construction and maintenance activities in areas known to have LBP, to prevent unnecessary damage to the material, occupant exposure and contamination of the building.
- Monitor the above work while it is in progress to ensure that it complies with contract specifications.
- Report and coordinate all lead-based paint-related issues through the O&M Plan Manager.
- Coordinate the response to all inquiries relative to lead based paint through the O&M Plan Manager.
- Ensure that a record is kept and that the property owner is informed of all applicable incidents, situations or accidents involving lead-based paints.

Owner Designated Management Company:	
Company Name:	
Contact Person:	
Address:	
Telephone:	

TRAINING PROGRAM

A key element in initiating and carrying out this Lead-Based Paint O&M Plan is a properly trained building maintenance staff. This group is responsible for daily awareness/inspection of LBP as they perform their tasks. The maintenance staff will report any indication of potential problems resulting from changes of LBP condition, area use, or maintenance practices. A 2-hour Lead Awareness training is suggested for anyone who will be working in the proximity to lead-based paint.

Many states have their own lead certification programs that should be reviewed in addition to the federal programs. Any abatement activities should be conducted by an accredited abatement company. The following elements should be presented in the LBP training programs:

Lead Awareness Training

- a. Introduction - General background on common uses of lead paints, and abatement or stabilization activities to date, etc.
- b. Medical/Mechanisms for Exposure - Mechanisms for exposure.
- c. Use of HEPA Technology – Discussion and use of HEPA filtration, vacuums, and filter changes, etc.
- d. This certification is for anyone working in the vicinity of lead-based paints that could be exposed to any lead hazards such as dusts.

Lead Renovation, Repair, and Painting Rule (RRP)

Common renovation activities like sanding, cutting, and demolition can create hazardous lead dust and chips by disturbing lead-based paint, which can be harmful to adults and children.

On April 22, 2008, EPA issued a rule requiring the use of lead-safe practices and other actions aimed at preventing lead poisoning. Under the rule, beginning on April 22, 2010, contractors performing renovation, repair and painting projects that disturb lead-based paint in homes, child care facilities, and schools built before 1978 must be certified and must follow specific work practices to prevent lead contamination. Until that time, HUD and EPA recommend that anyone performing renovation, repair, and painting projects that disturb lead-based paint in pre-1978 homes, child care facilities and schools follow lead-safe work practices.

There are some differences between the EPA RRP Rule and the HUD Lead Safe Housing Rule (LSHR). A major difference is that the LSHR requires clearance examinations. All housing receiving federal assistance must still comply with the LSHR. All contractors should follow these three simple procedures:

- Contain the work area.
- Minimize dust.
- Clean up thoroughly.

From December 2008, the rule has required that contractors performing renovation, repair and painting projects that disturb lead-based paint provide to owners and occupants of child care facilities and to parents and guardians of children under age six that attend child care facilities built prior to 1978 the lead hazard information pamphlet *Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools*.

Starting on April 22, 2010, the rule will affect paid renovators who work in pre-1978 housing and child-occupied facilities, including:

- Renovation contractors
- Maintenance workers in multi-family housing
- Painters and other specialty trades.

Under the rule, child-occupied facilities are defined as residential, public or commercial buildings where children under age six are present on a regular basis. The requirements apply to renovation, repair or painting activities. The rule does not apply to minor maintenance or repair activities where less than six square feet of lead-based paint is disturbed in a room or where less than 20 square feet of lead-based paint is disturbed on the exterior. Window replacement is not minor maintenance or repair. Contractors must become accredited and at least one worker on staff must take the Lead Renovator course to become an EPA-certified Renovator.

SUGGESTED TRAINING COURSES FOR EMPLOYEES INVOLVED IN THE O&M PLAN

Custodial & Maintenance	General Awareness	2 hours
Maintenance Supervisor /Installation Head	O & M (includes hands on train)	16 hours
Maintenance Supervisor /Installation Head	Inspector	3-5 days
Lead Awareness	General Awareness	2 hours
EPA-Lead Renovator Training	Contractors	8 hours

4.0 APPROPRIATE WORK PRACTICES

Lead O&M activities are limited to small-scale projects that generally involve disturbance of less than two square feet of LBP per room. These could include replacing a windowpane, general groundskeeping, and repairing a door. A general safety article by the EPA has been included in Appendix A covering a variety of work practices. A summary of protective measures suggested for these activities can be found in chapter 17 of the HUD Guidelines. Hyperlinks to appropriate lead regulations covering various work practices are included in References, Section 9.0.

Good work practices include the use of plastic coverings to protect surfaces, wet methods to reduce dust/debris generation, and use of a HEPA-filtered vacuum to collect paint dust and debris. For most maintenance projects, wet cleaning of surfaces with a cleaning agent is effective in removing lead-contaminated dust. Any waste should be handled and disposed properly. The following forms have been appended to this O&M Plan:

- A waste tracking form is provided in Appendix C.
- A Job Request Form is provided in Appendix D.
- A Maintenance Work Authorization Form is provided in Appendix E.
- An Evaluation of Work LBP is provided in Appendix F.
- Refer to the REFERENCES Section 9.0 for hyperlink to the appropriate lead regulations covering various work practices.

An example of an O&M activity is the systematic repair of damaged paint called "Paint Film Stabilization." This is a process of wet scraping, priming, and repainting surfaces that are coated with deteriorated LBP. Further information regarding various work activities can be found in the HUD Guidelines:

<http://www.hud.gov/offices/lead/lbp/hudguidelines/index.cfm>

Lead-safe work practices might include the following:

- Using wet methods.
- Placing a plastic drop cloth underneath the work area extending up to two feet beyond the work area.
- Using protective clothing such as foot coverings or dedicated footwear to minimize tracking lead dust out of the work area.
- Sealing rooms to avoid contamination of adjacent areas either by closing doors or using a plastic curtain wall.
- Using approved respirators.

When conducting construction or demolition activities which disturb lead in any amount or create an exposure to workers, the employer is required to provide worker protection and conduct exposure assessments. Employers should consult Federal OSHA Regulations at 29 CFR 1926.62, "Lead in Construction" standards for complete requirements prior to construction or demolition activities. This

regulation requires initial employee exposure monitoring to evaluate worker exposure during work that disturbs lead-containing materials (lead present in detectable levels). It is suggested that engineering controls, respiratory protection, and personal protective equipment be employed at the start of a project that could disturb lead-containing materials.

5.0 INSPECTION PROGRAM

5.1 Responsibilities

The O&M Plan manager will coordinate the inspection process, analyze and consolidate results, and report any problems or necessary corrective recommendations to the proper authority.

In addition, the reverse side of the inspection form documents the initial training and annual re-training of all personnel who are exposed to LBP as part of their job tasks. If applicable this group would typically include persons specifically trained in emergency clean-up techniques; building maintenance, engineering or trades personnel.

Other persons (including contractor personnel) who may work in or around LBP environments (but not handle or maintain LBP) should receive the appropriate training under the guidelines delineated in the applicable regulations.

5.2 Semiannual Inspection

Each facility containing LBP must have a semiannual physical "walkthrough" by a qualified inspector (using the original survey report and subsequent re-inspection reports as a guideline) to confirm that all LBP in the facility is intact and manageable. If new damage is identified, it must be noted so that remedial action can be arranged. A detailed inspection of lead-based paint is suggested. A sample LBP inspection form is provided in Appendix B.

5.3 Survey Results

Testing for the presence of lead-based paint is recommended for all suspect surfaces. All lead inspection or survey results should be part of the O&M. Program. X-Ray Fluorescence (XRF) reports, laboratory analyses results, spot-testing results, field sheets, and field notes should be organized in a section of the document. Survey results should be easily accessible for reference. LBP surfaces should be visually inspected periodically depending on conditions. This section should be updated when additional lead surveys are performed.

The survey results provide a description of the location of lead-based paint and detectable concentrations of lead in paint. An easy way to compile these results is to mark the locations on construction (as-built) drawings. The location of LBP should be updated as new survey results are obtained and when LBP is removed. Any enclosures around LBP should also be noted on the construction drawings. Any prior surveys should be appended in Appendix G.

5.4 Air Monitoring

Upon disturbance of confirmed or suspected LBP, air sampling must be conducted by qualified professionals to determine the worker exposure in the area.

6.0 EMPLOYEE PROTECTION

It is the express policy of the property owner that LBP present in this facility shall be maintained in such a way as to preclude the necessity of using personal protection equipment (PPE). No employees or tenants of the subject site or outside contractor employee shall disturb any LBP without proper training. Anyone working in the vicinity of identified LBP shall receive the proper training consisting of the 2-Hour LBP Awareness Class. Any lead-based paint stabilization or removal conducted at the subject site will be performed by a licensed contractor.

Most over-exposures to lead have been found in the trades, such as plumbing, welding, and painting. The use of lead-based paint in residential application has also been banned by the Consumer Product Safety Commission; however, significant lead exposures can arise from removing paint from surfaces previously coated with lead-based paint, such as renovation and demolition activities. With the increase in lead abatement and renovation, the potential for exposure to lead-based paint has become more common. The trades potentially exposed to lead include iron work, demolition work, painting, lead-based paint abatement work, plumbing, heating/air- conditioning, electrical work, and carpentry/renovation/remodeling.

Operations that generate lead dust and fumes include the following:

- Flame-torch cutting, welding, the use of heat guns, sanding, scraping and grinding of lead painted surfaces in repair, reconstruction, dismantling, and demolition work;
- Abrasive blasting of structural components containing lead-based paint;
- Use of torches and heat guns, and sanding, scraping, and grinding lead-based paint surfaces during remodeling or abating lead-based paint; and
- Maintaining process equipment or exhaust duct work.

The employer is responsible for the development and implementation of a worker protection program in accordance with 29 CFR 1910.1025 and 29 CFR 1910.134. This program is essential in minimizing worker risk of lead exposure. Renovation projects vary in their scope and potential for exposing workers to lead and other hazards. Many projects may involve limited exposure, such as the removal of paint from a few interior doors. Others may involve the removal, or stripping off, of substantial quantities of lead-based paints on multiple, large building components. The employer should, as needed, consult a qualified safety and health professional to develop and implement an effective worker protection program.

The most effective way to protect workers is to minimize exposure through the use of engineering controls and good work practices. It is OSHA policy that respirators are not to be used in lieu of engineering and work practices to reduce employee exposures to below the PEL. Respirators can only be used in combination with engineering controls and work practices to control employee exposures. OSHA's standard for lead limits worker exposures to 50 micrograms of lead per cubic meter of air averaged over an eight-hour workday.

At a minimum, the following elements should be included in the employer's worker protection program for employees exposed to lead:

- Hazard determination, including exposure assessment;
- Engineering and work practice controls;
- Respiratory protection;
- Protective clothing and equipment;
- Housekeeping;
- Hygiene facilities and practices;
- Medical surveillance and provisions for medical removal;
- Training;
- Signs; and
- Recordkeeping.

To implement the worker protection program properly, the employer needs to designate a competent person (i.e., one who is capable of identifying existing and predictable hazards or working conditions which are hazardous or dangerous to employees) in accordance with the general safety and health provisions of OSHA standards. The competent person must have the authorization to take prompt corrective measures to eliminate such problems. Qualified medical personnel must be available to advise the employer and employees on the health effects of employee lead exposure and supervise the medical surveillance program.

7.0 RESPIRATORY PROGRAM

As no subject site employee, occupant, or outside contractor shall be authorized to disturb LBP, no respiratory program is required at the subject site property. However, custodial and maintenance workers will receive the appropriate training according to daily activities.

Any lead-based paint stabilization or removal conducted at the subject site will be performed by a licensed contractor.

The employer must use respirators that will be used by employees under the following conditions:

- Periods when an employee's exposure to lead exceeds the PEL;
- Work operations for which engineering controls and work practices are not sufficient to reduce exposures to or below the PEL;
- Periods when an employee requests a respirator; and
- Periods when respirators are required to provide interim protection for employees while they perform lead-related construction activities.

Employees must receive proper training in the use of respirators. This includes how to wear a respirator, to know why it is needed, and to understand its limitations.

8.0 DEFINITIONS

Abatement - any set of measures designed to permanently eliminate lead-based paint hazards in accordance with standards established by appropriate Federal agencies. Such term includes --

- (A) The removal of lead-based paint and lead-contaminated dust, the permanent containment or encapsulation of lead-based paint, the replacement of lead-painted surfaces or fixtures, and the removal or covering of lead-contaminated soil; and
- (B) All preparation, cleanup, disposal, and post-abatement clearance testing activities associated with such measures.

Accessible surface - an interior or exterior surface painted with lead-based paint that is accessible for a young child to mouth or chew.

Certified contractor: The term "certified contractor" means:

- (A) A contractor, inspector, or supervisor who has completed a training program certified by the appropriate Federal agency and has met any other requirements for certification or licensure established by such agency or who has been certified by any State through a program which has been found by such Federal agency to be at least as rigorous as the Federal certification program; and
- (B) Workers or designers who have fully met training requirements established by the appropriate Federal agency.

Deteriorated paint - any interior or exterior paint that is peeling, chipping, chalking or cracking or any paint located on an interior or exterior surface or fixture that is damaged or deteriorated.

Evaluation - a risk assessment, inspection, or risk assessment and inspection.

Federally-assisted housing - residential dwellings receiving project-based assistance under programs including:

- (A) Section 221(d)(3) or 236 of the National Housing Act;
- (B) Section 1 of the Housing and Urban Development Act of 1965;
- (C) Section 8 of the United States Housing Act of 1937; or
- (D) Sections 502(a), 504, 514, 515, 516 and 533 of the Housing Act of 1949.

Friction surface - an interior or exterior surface that is subject to abrasion or friction, including certain window, floor, and stair surfaces.

Impact surface - an interior or exterior surface that is subject to damage by repeated impacts, for example, certain parts of door frames.

Inspection - a surface-by- surface investigation to determine the presence of lead-based paint as provided in section 302(c) of the Lead-Based Paint Poisoning Prevention Act and the provision of a report explaining the results of the investigation.

Interim controls - a set of measures designed to reduce temporarily human exposure or likely exposure to lead-based paint hazards, including specialized cleaning, repairs, maintenance, painting, temporary containment, ongoing monitoring of lead-based paint hazards or potential hazards, and the establishment and operation of management and resident education programs.

Lead-based paint - paint or other surface coatings that contain lead in excess of limits established by HUD/EPA. The term "lead-based paint" addresses the layers of paint on an applicable surface having lead equal to or greater than 1.0 mg/cm² or 0.5% by weight.

Lead-based paint hazard - any condition that causes exposure to lead from lead-contaminated dust, lead-contaminated soil, lead-contaminated paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects as established by the appropriate Federal agency.

Lead-contaminated dust - A dust-lead hazard is surface dust in a residential dwelling or child-occupied facility that contains a mass-per-area concentration of lead equal to or exceeding 40 µg/ft² on floors or 250 µg/ft² on interior window sills based on wipe samples (40 CFR 745.65).

Lead-contaminated soil - A soil-lead hazard is bare soil on residential real property or on the property of a child-occupied facility that contains total lead equal to or exceeding 400 parts per million (µg/g) in a play area or average of 1,200 parts per million of bare soil in the rest of the yard based on soil samples (40 CFR 745.65). (Check applicable state regulations. For example, California has set a threshold of 1,000 ppm in all other areas (CCR Title 17, Chapter 8)).

Permissible Exposure Limit (PEL) – The standard sets a permissible exposure limit (PEL) of 50 micrograms of lead per cubic meter of air (50 ug/m³), averaged over an 8-hour workday which is referred to as a time-weighted average (TWA). This is the highest level of lead in air to which an employee may be permissibly exposed over an 8-hour workday. The standard contains a formula (400 divided by the number hours worked) which reduces the permissible exposure when an employee is exposed more than 8 hours. For example, if a worker is exposed to lead for 10 hours a day, the maximum permitted average exposure would be 40 ug/m³.

Public housing - has the same meaning given the term in section 3(b) of the United States Housing Act of 1937 (42 U.S.C. 1437a(b)(1)).

Reduction - measures designed to reduce or eliminate human exposure to lead-based paint hazards through methods including interim controls and abatement.

Residential dwelling: The term "residential dwelling" means:

- (A) a single-family dwelling, including attached structures such as porches and stoops; or
- (B) a single-family dwelling unit in a structure that contains more than 1 separate residential dwelling unit, and in which each such unit is used or occupied, or intended to be used or occupied, in whole or in part, as the home or residence of 1 or more persons.

Risk assessment - an on-site investigation to determine and report the existence, nature, severity and location of lead-based paint hazards in the residential dwellings, including --

- (A) Information gathering regarding the age and history of the housing and occupancy by children under age 6;
- (B) Visual inspection;
- (C) Limited wipe sampling or other environmental sampling techniques;
- (D) Other activity as may be appropriate; and
- (E) Provision of a report explaining the results of the investigation.

Target housing - any housing constructed prior to 1978, except housing for the elderly or persons with disabilities (unless any child who is less than 6 years of age resides or is expected to reside in such housing for the elderly or persons with disabilities) or any 0-bedroom dwelling. In the case of jurisdictions which banned the sale or use of lead-based paint prior to 1978, the Secretary, at the Secretary's discretion, may designate an earlier date.

9.0 REFERENCES

United States Department of Labor – Occupational Safety & Health Administration (OSHA) for Standard 29 CFR 1910.1025 (lead):

www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10030

Building Maintenance Guidelines (HUD Chapter 17):

Chapter 17: Routine Building Maintenance and Lead-Based Paint

APPENDIX A: GENERAL SAFETY CONSIDERATIONS

General Safety Considerations

(This section is reprinted from Appendix D of the EPA's White Book for use by personnel performing O & M activities, and is supplied for informational purposes only)

Ronald L. Stanevich

NIOSH Division of Safety Research

This guide was primarily developed to provide recommendations concerning worker respiratory protection within the asbestos abatement industry (and may be applicable to lead abatement activities as well). However, employers must not lose sight of the safety hazards their employees are exposed to in performance of their work. Asbestos abatement operations can take place in a variety of industrial, commercial and public settings. Each has unique potential safety hazards that the employer must control. However, nearly all abatement operations have some common safety hazards. With proper job planning and supervision, the employer can control both the health hazards and the safety hazards faced by their workers. The more common safety hazards associated with abatement operations and general recommendations to control them are discussed below. Sources for more specific safety information are listed to supplement and support the applicable OSHA regulatory standards.

I. ELEVATED WORK SURFACES

The nature of asbestos abatement tasks usually requires workers to work from ladders, scaffolds, lifts, or other elevated surfaces, which creates the potential for fall injuries. Slips and falls from ladders, scaffolds, and other elevated surfaces result in a major portion of the construction industry injuries. Many of these can be prevented by implementing a few control measures:

A. General

1. Avoid use of makeshift work platforms by providing portable ladders and scaffolds.
2. Ensure that job built elevated work surfaces are inspected by a competent person other than the individual who erects it.
3. Avoid working from elevated surfaces where possible. Consider use of wands for spraying amended water or scrapers with extended handles.

B. Ladders

Eighty percent of ladder related accidents result from improper use or application:

1. Workers should face the ladder when climbing up, down, or working from it.
2. Workers should not carry objects in their hands while ascending or descending ladders. While working from a ladder they should hold on with at least one hand.
3. Ladders should not be used as a substitute for planks, runways, or walkboards.
4. Ladders should be maintained in good condition. Defective ladders should be destroyed so that no one uses them by mistake.
5. Ladders should have safety feet in good condition to keep the ladder from slipping and cutting through floor covers.
6. Ladder rungs/steps should be kept free of contaminants such as amended water and buildup of asbestos waste.
7. Employees should work no higher than the fourth step/rung from the top of the ladder.
8. Employees should not attempt to "reach" distant objects from a ladder; other platforms should be used.
9. Wood or fiberglass ladders should be provided to help control exposure to electrical hazards.
10. Employees should not straddle the space between a ladder and another object.
11. Employees should make a visual inspection of ladders before each shift.

Additional information sources:

Ladders -- publication no. ISBN 0-919465-05-6

Construction Safety Association of Ontario, 74 Victoria Street, Toronto. Ontario Canada M5C 2A5

Safety Requirements for Portable Wood Ladders -- ANSI A14.1 - 1982

Safety Requirements for Job Made Ladders -- ANSI A14.4 - 1979

Safety Requirements for Portable Reinforced Plastic Ladders – ANSI A14.5 - 1982

American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

Portable Ladders -- Industrial Safety Data Sheet #665, National Safety Council, 444 North Michigan Avenue, Chicago Illinois 60611

C. Scaffolds

Falls from scaffolds result in about 2,000 injuries per month in the United States. These can be reduced by:

1. providing guardrails around the perimeter of the work surface regardless of scaffold height
2. securing scaffold decks against slippage
3. keeping scaffold uprights vertical and pinned together when stacked
4. ensuring vertical members are braced to keep the scaffold plumb and level
5. decking the entire top portion of the work surface in lieu of using minimum planking dimensions
6. extending planks at least 6" (150 mm) over their support and securing them from movement
7. ensuring that manufacturer built-in ladders are in good condition
8. maintaining mobile scaffold casters in good condition with position locking devices secured when employees are working from the scaffold
9. keeping mobile scaffolding height less than four times the minimum base dimension and with adequate cross bracing
10. never interchanging scaffolding pans from different units
11. never using defective scaffolding
12. designating only "competent" persons to perform scaffolding repairs.

Additional information sources:

Manually Propelled Mobile Ladder Stands and Scaffolds--ANSI A92.1 - 1977

Manually Propelled Elevating Work Platforms -- ANSI A92.3 - 1980

Self-propelled Elevating Work Platforms -- ANSI A92.6, American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

II. ELECTRICAL HAZARDS

Asbestos abatement is often related to renovation or remodeling activities. Normally the equipment, machinery, overhead lighting fixtures, and auxiliary furnishings are removed to facilitate the abatement work. However, it is becoming more common that industrial and commercial buildings remain partially occupied while abatement operations are performed. In either situation, the abatement operator must take positive actions to protect employees from accidentally coming into contact with energized electrical circuits.

A. General

1. Perform an initial walk-through of the abatement area to look for pre-existing electrical hazards involved with the work
2. De-energize as many circuits as possible
3. Verify that the circuits have been de-energized with a "Field Current Sensing Device" circuit tester. Either lock out/tag out all de-energized circuits to prevent them from accidentally being energized.
4. Use non-conductive tools such as scrapers and vacuum attachments made of wood, plastic, or rubber.
5. Provide workers with non-conductive rubber boots and/or gloves when work must be done around energized wiring or equipment.
6. Prohibit accumulation of puddles of water on the floor. Workers should be trained in the intelligent use of amended water. No water should be used around energized circuits.

B. Permanent Building Circuitry

1. Ensure that all permanent circuits are provided with a grounding system. This can be determined with a portable ground tester.
2. Ensure that electrical outlets are tightly sealed and taped to avoid water spray.
3. Determine what equipment must remain energized during the abatement process.
4. Insulate or guard energized equipment and wiring from employee contact and other conductive objects.
5. Avoid damaging permanent building wiring during the work.
6. Consider dry removal methods in the vicinity of electrical equipment which must remain energized.

C. Temporary Power

1. All temporary circuits provided by the abatement operator must be provided with a grounding system and protected by ground fault circuit interrupters.
2. Avoid stringing temporary wiring across floors
3. Elevated wiring should not be fastened with staples, nails, or wire.
4. Use care, not to damage the wiring insulation during Installation or abatement work.

D. Electrical Cords and Tools

1. Provide extension cords which have a ground conductor.
2. Ensure that cords are not damaged, contain no splices, and that the grounding lug on the male plug is intact.
3. Position extension cords to eliminate stumbling/tripping hazards and to protect them from damage by moving scaffolds.
4. Provide electrical tools which are either grounded or of the double insulated type
5. Use shatterproof, guarded bulbs and heavy duty wiring for temporary lighting.
6. Where plugs enter receptacles, ensure that the connection is protected by use of duct tape or by other means.

Additional information sources:

National Electrical Safety Code -- ANSI C2-1984

National Electrical Code -- ANSI/NFPA 70-1984, American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018

Temporary Electric Wiring for Construction Sites -- Industrial Safety Data Sheet #515, National Safety Council, 444 North Michigan Avenue, Chicago, Illinois 60611

APPENDIX B: LBP INSPECTION FORM

ANNUAL INSPECTION FORM						
DATE						
ROOM						
INSPECTOR						
LEAD BASED PAINTS	STATUS OF MATERIAL					
	UNCHANGED		CONTACT DAMAGE		WATER DAMAGE	
	YES	NO	YES	NO	YES	NO
COMMENTS:						
ACTION TAKEN:						
ACTION APPROVED BY:						
DATE:						

APPENDIX C: WASTE TRACKING FORM

WASTE TRACKING FORM		
PART 1 – TO BE COMPLETED BY WORKERS		
Maintenance Work Authorization No.		
Work Location:	Building:	Room # or Area:
Type of LBP Removed:	Quantity of Waste Generated:	
No. of Bags:	Other Containers:	
Waste Transported To:		
Transported By:	Tracking Form Given to:	
PART 2 – TO BE COMPLETED BY LBP PROGRAM MANAGER		
Waste Properly Packaged & Labeled: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Exceptions:		
Waste Storage Location:	Waste Disposal Location	
Waste Shipment Records Received	Date:	
Signed: (LBP Program Manager)	Date:	

APPENDIX D: JOB REQUEST FORM (MAINTENANCE WORK)

JOB REQUEST FORM FOR MAINTENANCE WORK		
Name		Date
Telephone No.		Job Request No.
Requested Starting Date:		Anticipated Finish Date
Address, Building, & Room Number(s) (or description of area) where work is to be performed		
Description of Work:		
Description of any lead based paint (LBP) that might be affected, if known (include location and type		
Name of Requestor		Telephone No of Requestor
Name of Supervisor		Telephone No. of Supervisor
SUBMIT THIS APPLICATION TO THE LBP PROGRAM MANAGER NOTE: An application must be submitted for all maintenance work whether or not LBP might be affected. An authorization must be received before any work can proceed.		
<input type="checkbox"/> Granted <input type="checkbox"/> With Conditions <input type="checkbox"/> Denied	Job Request No.	
	Conditions	
Program Manager:	Signature	Date

APPENDIX E: MAINTENANCE WORK AUTHORIZATION FORM

MAINTENANCE WORK AUTHORIZATION FORM		Authorization No.
AUTHORIZATION IS GIVEN TO PROCEED WITH THE FOLLOWING MAINTENANCE WORK		
PRESENCE OF SUSPECT LBP		
<input type="checkbox"/>	Suspect LBP is NOT present in the vicinity of the maintenance work.	
<input type="checkbox"/>	Suspect LBP is present but its disturbance is not anticipated; however, if conditions change the Plan Manager will re-evaluate the work request prior to proceeding.	
<input type="checkbox"/>	Suspect LBP is present and may be disturbed.	
WORK PRACTICE IS SUSPECT LBP		
The following work practices shall be employed to avoid or minimize disturbing LBP:		
PERSONAL PROTECTION IF LBP.		
The following equipment/clothes shall be used/worn during the work to protect workers		
SPECIAL PRACTICES AND/OR EQUIPMENT REQUIRED		
Program Manager	Signature	Date

APPENDIX F: EVALUATION OF WORK AFFECTING LBP

EVALUATION OF WORK AFFECTING LBP MATERIALS		
This evaluation covers the following maintenance work:		
Location of work (address, building, room number(s), or general description)		
Date(s) of work	Description of work	Work Approval Form #
Evaluation of work practices employed to minimize disturbance of LBP		
Evaluation of work practices employed to contain released fibers and to clean up to the work area		
Evaluation of equipment and procedures used to protect workers		
Personal air monitoring results (licensed LBP contractor to supply)		
Worker Name	Results	
Worker Name	Results	
LBP Program Manager	Signature	Date



DESKTOP WETLAND ASSESSMENT

Churchill Apartments

1117 June Lane
Florence, South Carolina 29506

Report Date

August 21, 2024

Partner Project No.

24-458664.2

Prepared for:

The Paces Foundation, Inc.
Smryna, Georgia 30080



Building
Science



Environmental
Consulting



Construction &
Development



Energy &
Sustainability



August 21, 2024

Mr. Steven Bauhan
The Paces Foundation, Inc.
2730 Cumberland SE
Smryna, Georgia 30080

Subject: Desktop Wetland Assessment
Churchill Apartments
1117 June Lane
Florence, South Carolina 29506
Partner Project No. 24-458664.2

Dear Mr. Bauhan:

Partner Engineering and Science, Inc. is pleased to provide the results of the Desktop Wetland Assessment (DWA) performed on the above-referenced property. This assessment is intended to be used as a limited screening tool to indicate the likely presence or absence of wetland conditions on the subject property. The assessment is based on readily available information presented by regulatory agencies and, if possible, site conditions described in previous reports prepared for the subject property.

We appreciate the opportunity to provide these assessment services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Misty Ponce at (818) 337-1203 or mponce@partneresi.com.

Sincerely,

Partner Engineering and Science, Inc.

Katie L. Morgan, PWS, EP
Director of Natural and Cultural Resources
Professional Wetland Scientist (#3100)

Misty Ponce
National Client Manager

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The following report Figures and Appendices are attached at the end of this report.

FIGURES

- Figure 1:** Site Location Map
Figure 2: Site Plan
Figure 3: Topographic Map

APPENDICES

- Appendix A:** Supporting Documentation

1.0 WETLAND DESKTOP ASSESSMENT

Partner has performed a DWA for the subject property. Wetlands are areas that must meet three criteria: hydric soils, wetland vegetation, and wetland hydrology. The legal definition of a wetland is:

Those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs and similar areas. (33 CFR §328.3(b)).

A qualified environmental professional reviewed readily available information presented by regulatory agencies and, if possible, site conditions described in previous reports prepared to preliminarily identify areas of interest on the subject property.

1.1 Property Description

The subject property is located at 1117 June Lane, in Florence, South Carolina, to the northeast of the intersection of South Church Street and June Lane and to the south of State Road S-21-612 and June Lane within a mixed residential, commercial, and industrial area of Florence County. The subject property is identified as Assessor's Parcel Numbers (APNs) 0014901006 and 0014901007. The subject property is currently occupied by Churchill Apartments, consisting of 166 residential units, and the Housing Authority of Florence. Churchill Apartments consist of 43 two-story residential structures and two one-story buildings consisting of a leasing office and an office occupied by the Housing Authority of Florence. The structures were built in circa 1975 and total approximately 300,000-square feet on a 29.81-acre lot. The lot is a reverse 'L' shape with June Lane traversing through the northern vertical portion and the central horizontal portion. The subject property is accessed at the western boundary via South Church Street, at the northern boundary by State Road South 21-612. The southern portion across June Lane consists of undeveloped woodland. Jefferies Creek is located south of the southern subject property boundary line.

The immediately surrounding properties consist of vacant commercial and industrial properties to the north; vacant, wooded land and wetlands to the south across Jefferies Creek; vacant wooded land and wetlands to the east; and vacant commercial and commercial properties to the west.

1.2 Historical Information

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Risk Information Services (ERIS). The reviewed materials are included in **Appendix A**.

According to available historical sources, the subject property was formerly undeveloped land as early as 1940. In the 1941 aerial photograph, the northern vertical portion appears to be saturated, while the southern portion appears to be a part of a wooded forest area. The vertical saturation is not visible in the 1949 aerial. From 1957 to approximately 1964, the subject property appears agricultural and residential in nature, with the exception of the southern wooded forest area. In the 2017 and 2020 topographic maps, wetlands are depicted in the southern portion of the subject property. Jefferies Creek is visible to the south of the southern subject property boundary line in the topographic maps between 1940 and 2021.

Historical topographic maps and aerial photographs are included in **Appendix A**.

1.3 Current Freshwater Environments

Based on a review of online imagery and/or the Phase I Environmental Site Assessment (ESA) performed on the subject property, forested wetlands are visible on the south undeveloped portion of the subject property at this time.

Based on a review of the United States Fish and Wildlife (USFW), National Wetland Inventory (NWI) online wetland map:

- The southern undeveloped portion of the subject property consists of a portion of a 236.70-acre Freshwater Forested/Shrub Wetland and is classified as PFO1/2F. This classification code means that the land is a Palustrine System (P), which includes all nontidal wetlands dominated by trees, shrubs, persistent emergent, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. The land is forested (FO), meaning it is characterized by woody vegetation that is six meters or taller. The wetland is Broad-Leaved Deciduous wetland (1), which contains woody angiosperms (trees or shrubs) with relatively wide, flat leaves that are shed during the cold or dry season, and Needle-Leaved Deciduous (2) wetland, which consists of wetlands where trees or shrubs are predominately deciduous and needle-leaved and is represented by young or stunted trees. The water regime for this wetland is Semipermanently Flooded (F), meaning that surface water is persistent throughout the growing season in most years. When surface water is absent, the water table is usually at or very near the land surface.

The State of South Carolina does not maintain an additional Interactive Wetland map, and the South Carolina Department of Natural Resources (DNR) references the USFWS NWI

A copy of the supporting soil information along with the USFW NWI wetland map is included in **Appendix A**.

1.4 Vegetation

According to the 1987 USACE Wetland Delineation Manual, hydrophytic vegetation is defined as the sum total of macrophytic plant life that occurs in areas where the frequency and duration of inundation or soil saturation produce permanently or periodically saturated soils of sufficient duration to exert a controlling influence on the plant species present.

According to the U.S. Army Corps of Engineers 2020 National Wetland Plant List, version 3.5 and the National Wetland Plant List Indicator Rating Definition document, wetland indicator status ratings and their rating categories, as described in the National List of Plant Species that Occur in Wetlands (Reed 1988) are provided in the table below.

WETLAND PLANT INDICATOR STATUS

Indicator status (abbreviation)	% Occurrence in wetlands
Obligate (OBL). Occur almost always under natural conditions in wetlands.	99

WETLAND PLANT INDICATOR STATUS

Indicator status (abbreviation)	% Occurrence in wetlands
Facultative Wetland (FACW). Usually occur in wetlands but occasionally found in non-wetlands.	67–99
Facultative (FAC). Equally likely to occur in wetlands and non-wetlands.	34–66
Facultative Upland (FACU). Usually occur in non-wetlands but occasionally found in wetlands.	1–33

Review of online imagery indicates the subject property consists of 43 two-story residential structures and two one-story buildings consisting of a leasing office and an office occupied by the Housing Authority of Florence. The southern portion of the subject property consists of undeveloped woodlands.

The subject property is located within the Southeastern Plains Level III Ecoregion (65) and Atlantic Southern Loam Plains Level IV Ecoregion (65I). The Southeastern Plains (65) encompasses much of the coastal plains of the southeastern US. The climate is humid and subtropical, with hot, humid summers and relatively mild winters. Precipitation is high year-round, with relatively little seasonality. This region is subject to hurricanes and tropical storms. The terrain is gently dissected, mostly with rolling plains, and is lower in elevation. Much of the area has pine forests, with longleaf pine (*Pinus palustris* [FAC]) and loblolly pine (*Pinus taeda* [FAC]) as the most dominant plants. There are also some mixed oak-hickory-pine forests throughout the region and the southern part of this region had some southeastern mixed forests, with a mixture of broadleaf evergreens, deciduous evergreens, and pines. Floodplains mostly supported deciduous forests, and there were some cypress swamps. This area is utilized for agriculture and forestry.

The Atlantic Southern Loam Plains Ecoregion (65I) has finer soils and is a major agricultural zone, with deep, well-drained soils and cropland. Flora is varied due to the variety of edaphic conditions. The region has a high concentration of Carolina Bays, which are shallow, elliptical depressions, often swampy or wet in the middle with dry sandy rims. Carolina bays not drained for agriculture often contain rare or endangered plant and animal species. Within South Carolina, the northern portion of the region in the Florence and Pee Dee River area tends to be flatter with more areas of wet soils. Vegetation structure and composition are influenced by salt spray, extreme disturbance events, and the distinctive climate of the immediate coast. Most typical stands are dominated by oaks, primarily southern live oak (*Quercus virginiana* [FACU]) and/or sand live oak (*Quercus germinata* [FAC]). Vegetation may also include different woodland communities often dominated by southern pine species. Other vegetation includes pond pine (*Pinus serotina* [FACW]) and slash pine (*Pinus elliottii* var. *elliottii* [FACW]). These habitats have densely shrubby subcanopies and understories with species such as southern live oak, sand live oak, Darlington's oak (*Quercus hemisphaerica* [FACU]), Chapman's oak (*Quercus chapmanii* [FAC]) myrtle oak (*Quercus myrtifolia* [FAC]) and southern magnolia (*Magnolia grandiflora* [FAC]). Unlike maritime vegetation to the north, this system may be more heavily influenced by natural fire regimes that may help to explain the predominance of the fire-tolerant pine species.

According to information outlined within the online Natural Resources Conservation Service (NRCS) *Soil Survey for Florence County*, and the *USACE National Wetland Plant List for the Atlantic and Gulf Coastal Plain Region*, the southern portion of the subject property is conducive to hydrophytic wetland-type vegetation.

1.5 Hydrology

According to the 1987 USACE Wetland Delineation Manual, wetland hydrology is defined as an area that is inundated either permanently or periodically at mean water depths are less than or equal to 6.6 feet, or the soil is saturated to the surface at some time during the growing season of the prevalent vegetation. According to the USACE Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), wetland hydrology is present when 14 or more consecutive days of flooding or ponding, or a water table 12 inches or less below the soil surface is present, during the growing season at a minimum frequency of 5 out of 10 years unless an alternative standard has been established for a particular region or wetland type.

According to the contour lines on the United States Geological Survey (USGS), *Florence West, South Carolina* Quadrangle, dated 2024, the subject property is located at approximately 105 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping toward the south (**Figure 3**).

Partner performed a review of the Flood Insurance Rate Map (FIRM), published by the Federal Emergency Management Agency (FEMA). According to Community Panel Numbers 45041C0142E, dated December 16, 2014, the area of the subject property that contains the residential buildings and leasing/office buildings are located within Flood Zone X (Unshaded), an area located outside of the 100-year and 500-year flood plains, which is also referred to as an area of minimal flood hazards. However, the southern portion is located within Flood Zone AE, defined as areas subject to inundation by the 1-percent annual-chance flood event determined by detailed methods.

According to FEMA, flood hazard areas identified on the FIRM are identified as a Special Flood Hazard Area (SFHA). SFHA are defined as the area that will be inundated by the flood event having a 1-percent chance of being equaled or exceeded in any given year. The 1-percent annual chance flood is also referred to as the base flood or 100-year flood. SFHAs are labeled as Zone A, Zone AO, Zone AH, Zones A1-A30, Zone AE, Zone A99, Zone AR, Zone AR/AE, Zone AR/AO, Zone AR/A1-A30, Zone AR/A, Zone V, Zone VE, and Zones V1-V30. Moderate flood hazard areas, labeled Zone B or Zone X (shaded) are also shown on the FIRM, and are the areas between the limits of the base flood and the 0.2-percent-annual-chance (or 500-year) flood. The areas of minimal flood hazard, which are the areas outside the SFHA and higher than the elevation of the 0.2-percent-annual-chance flood, are labeled Zone C or Zone X (unshaded).

A copy of the FIRM is included in the **Appendix A**.

1.6 Geology / Soils

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that form under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation. Hydric soil field indicators and a hydric soil technical standard have been developed to determine whether a soil meets the criteria for hydric soils. Evaluation of hydric soils was

completed based on criteria defined in NRCS (2010) and as outlined in the 1987 Manual and the Regional Supplement. Soils observed in wetland areas within the proposed survey area typically developed under anaerobic (i.e., inundated/saturated edaphic conditions) or alternating aerobic-anaerobic conditions (i.e., wet/dry hydroperiod).

The NCHS hydric soil definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006). However, not all areas within a mapping unit or polygon identified as having hydric soils may be hydric. Conversely, inclusions of hydric soils may be found within soil mapping units where no hydric soils have been identified. The Hydric Soils List should be used as a tool, indicating that hydric soil will likely be found within a given area, but should not be used as a substitute for onsite investigation and field indicators of hydric soils.

The subject property is situated within the Coastal Plain physiographic province of the State of South Carolina. The uppermost geologic formation underlying the soils at the subject property is the Pliocene Age Bear Bluff Formation. The Bear Bluff Formation underlying soils at the subject property is of the Pliocene Age and is one of the older coastal terrace sequences in the Carolinas. The primary rock type is composed of fluvial sand deposits with secondary rock type consisting of limestone.

According to the online web soil survey, the soil type located at the subject property consist of Norfolk loamy sand, 0 to 2 percent slopes (NoA), Norfolk loamy sand, 2 to 6 percent slopes (NoB), Osier loamy sand (Os), Wagram sand, 0 to 6 percent slopes (WgB), and Wehadkee and Johnston soils, frequently flooded (Wn). According to the web soil survey hydric rating by map unit online map, the Osier loamy sand and Wehadkee and Johnson soil map units are rated as hydric soils based on the National Soil Information System (NASIS) NRCS hydric soil criteria.

- The Norfolk series is comprised of very deep and well drained soils that formed in marine deposits or fluviomarine deposits on uplands or marine terraces. Slopes range from 0 to 10 percent. Mean annual temperature is about 62 degrees Fahrenheit and mean annual precipitation is about 49 inches. The A or Ap horizon is comprised of loamy sand, sandy loam, fine sandy loam, or loamy fine sand with hue of 10YR or 2.5Y, value of 4 to 7, and chroma of 1 to 4. Some pedons are fine sand or sand. The E horizon is comprised of loamy sand, sandy loam, fine sandy loam, or loamy fine sand with hue of 10YR or 2.5Y, value of 4 to 7, and chroma of 2 to 6. Some pedons are fine sand or sand. The BE horizon, where present, is comprised of sandy loam or fine sandy loam with a hue of 10YR or 2.5Y, value of 4 to 6, and chroma of 3 to 8. The Bt horizon is comprised of sandy loam, fine sandy loam, sandy clay loam, or clay loam with hue of 7.5YR to 2.5Y, value of 5 to 8, and

chroma of 3 to 8. Redoximorphic depletions may be present. The 2Bt horizon, where present, has the same color as the Bt horizon; texture is sandy clay loam. The BC or BCt horizon, where present, is comprised of sandy loam, fine sandy loam, sandy clay loam, clay loam, sandy clay, or clay with a hue of 5YR to 2.5Y, value of 5 to 8, and chroma of 3 to 8. Redoximorphic features may be present. The C horizon is comprised of loamy coarse sand, loamy sand, loamy fine sand, coarse sandy loam, sandy loam, fine sandy loam, sandy clay loam, clay loam, or sandy clay with a hue of 2.5YR to 5Y, value of 4 to 8, and chroma of 3 to 8. Redoximorphic features may be present. Some pedons have layers of coarser or finer textured materials.

- The Osier series consists of very deep, poorly drained soils that formed in alluvium. These soils are on floodplains. The mean annual precipitation is 44 to 60 inches, and the mean annual air temperature is 59 to 64 degrees F. The A horizon has a hue of 10YR or 2.5Y, a value of 2 to 5, and a chroma of 1 or 2. The texture of the A horizon is fine sandy loam, loamy fine sand, loamy sand, fine sand, or sand. An Ab horizon may be present with a hue of 10YR to 5Y, a value of 2 or 3, and a chroma of 1 or 2. The Ab horizon would have a texture of fine sand, loamy fine sand, or loamy sand. The C horizon has a hue of 7.5YR to 5GY, a value of 3 to 8, and a chroma of 1 or 2. This horizon may also be neutral with a value of 5 to 7. Redoximorphic features may be present in shades of brown, yellow, and/or gray. The texture of the C horizon is loamy fine sand, loamy sand, fine sand, and sand. The lower Cg horizons may also be coarse sand.
- The Wagram series consists of very deep, well drained, somewhat excessively drained, moderately permeable soils that formed from fluvio-marine deposits and marine deposits. The mean annual air temperature is about 62 degrees F and the mean annual precipitation is about 49 inches. The Ap or A horizon (where present) has hue of 10YR or 2.5Y, value of 3 to 6, chroma of 1 to 4, or is neutral with value of 3 to 6. The texture is sand, fine sand, loamy sand, or loamy fine sand. The E horizon has hue of 10YR or 2.5Y, value of 5 to 7, chroma of 2 to 4, or is neutral with value of 4 to 8. The texture is sand, fine sand, loamy sand, or loamy fine sand. The Bt horizon has hue of 7.5YR to 2.5Y, value of 5 or 6, and chroma of 4 to 8. The texture is sandy loam or sandy clay loam. Redoximorphic features (where present) are masses of oxidized iron in shades of red, brown, or yellow and iron depletions in shades of brown, yellow, olive, or gray. Depletions with chroma of 2 or less are below a depth of 60 inches. The BC horizon or BCt horizon (where present) has hue of 7.5YR to 2.5Y, value of 5 to 7, and chroma of 3 to 8, or is variegated in shades of these colors. The texture is sandy loam, loam, sandy clay loam, or clay loam. Redoximorphic features (where present) are masses of oxidized iron in shades of red, brown, or yellow and iron depletions in shades of brown, yellow, olive, or gray. Depletions with chroma of 2 or less are below a depth of 60 inches. The horizon has is 0 to 8 inches and is grayish brown in color (10 YR 5/2) with loamy sand. The second layer (E) is 8 to 24 inches, pale brown (10YR 6/3) loamy sand and is single grain, loose, nonsticky, and nonplastic. The third through sixth layer (Bt1 through Bt4) is yellowish brown in color (10YR 5/6 and 5/8) and is sandy clay loam. The last layer (BC) is yellowish brown (10YR 5/6) and is sandy loam, massive, friable, nonsticky, nonplastic, and has iron depletions.
- The Wehadkee series consists of very deep, poorly drained and very poorly drained soils on flood plains along streams that drain from the mountains and piedmont. They are formed in loamy sediments. Slopes range from 0 to 2 percent. The Ap or A horizon has hue of 10YR or 2.5Y or is neutral, value of 3 to 6, and chroma of 0 to 4. Some pedons have soft masses of iron accumulation

in shades of brown or red. Texture is fine sandy loam, very fine sandy loam, loam, silty clay loam, sandy loam, or silt loam. Some pedons have recent layers of overwash as much as 20 inches thick that are loamy and variable in color. Many pedons have an Ab horizon that has the same color and texture range as the A horizon. The Bg horizon has hue of 10YR to 5Y or is neutral, value of 4 to 6, and chroma of 0 to 2. Soft masses of iron accumulation are in shades of red, yellow, and brown. Texture is sandy clay loam, silt loam, loam, clay loam, or silty clay loam. The Cg horizon has hue of 10YR to 5Y or is neutral, value of 4 to 7, and chroma of 0 to 2. Soft masses of iron accumulation are in shades of brown, red, and yellow. Texture is commonly sandy loam, loam, or silt loam, but in some pedons the Cg horizon contains stratified layers of sandy clay loam, clay loam, silty clay loam, loamy sand, sand, and gravel. Sandy textures are restricted to depths below 40 inches.

- The Johnston series consists of very deep, very poorly drained, moderately rapid permeable soils that formed in alluvium. These soils are found on floodplains and swamps. The mean annual air temperature is about 63 Fahrenheit, and the mean annual precipitation is about 46 inches. Slopes range from 0 to 2 percent. The Oa horizon, where present, has hue of 10YR, 2.5Y, or is neutral, value of 2 or 3, and chroma of 1 or 2. The texture is muck. The A horizon has hue of 10YR, 2.5Y, 5Y, or neutral, value of 2 to 3, and chroma of 1 or 2. The texture is coarse sandy loam, sandy loam, fine sandy loam, or loam and may include the mucky texture modifier. Redoximorphic features, where present, are masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of gray. The Cg horizon has hue of 10YR to 5Y, value of 4 to 8, and chroma of 1 or 2, or is neutral with value of 4 to 7. The texture is coarse sand, sand, fine sand, loamy coarse sand, loamy sand, loamy fine sand, coarse sandy loam, sandy loam, fine sandy loam, or loam. Some pedons have thin strata of sandy clay loam. Redoximorphic features, where present, are masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of gray.

1.7 Summary of Potentially Jurisdictional Waters

Descriptions of the suspect wetlands and waterbodies identified on the subject property are provided in the table below.

SUMMARY OF SUSPECT WETLANDS AND WATERBODIES IDENTIFIED WITHIN THE SURVEY AREA

Field Identification	Classification	Approximate Size	Potential Jurisdiction	Applicable Buffer
Wetland A (undeveloped south portion)	Forested	8.5 acres	Likely Jurisdictional	None

1.7.1 Federal Definition of Jurisdictional Waters of the United States

In accordance with the revised WOTUS rule promulgated on January 18, 2023 ("revised rule") (88 Fed. Reg. 3004),¹ potentially jurisdictional WOTUS include: The territorial seas and traditional navigable waters; perennial and intermittent tributaries that contribute surface water flow to such waters; certain lakes, ponds, and impoundments of jurisdictional waters; and wetlands adjacent to other jurisdictional waters. See 33 CFR 328.3 and 40 CFR 120.2, revised as of January 18, 2023. Paragraph (a) of the revised rule identifies four categories of waters that are "waters of the United States." These waters are referred to as "jurisdictional" in this notice and in the regulatory text. Paragraph (b) of the revised rule identifies those waters and features that are excluded from the definition of "waters of the United States." These waters are referred to as "non-jurisdictional" or "excluded" in this notice and as "non-jurisdictional" in the regulatory text. Paragraph (c) of the revised rule defines applicable terms.

As a baseline concept, this revised rule recognizes that waters of the United States are waters within the ordinary meaning of the term, such as oceans, rivers, streams, lakes, ponds, and wetlands, and that not all waters are waters of the United States. The revised rule includes the agencies' longstanding category of the territorial seas and traditional navigable waters. A "tributary" is defined in the revised rule as a river, stream, or similar naturally occurring surface water channel that contributes surface water flow to a territorial sea or traditional navigable water in a typical year either directly or indirectly through other tributaries, jurisdictional lakes, ponds, or impoundments, or adjacent wetlands. A tributary must be perennial or intermittent in a typical year. The alteration or relocation of a tributary does not modify its jurisdictional status as long as it continues to be perennial or intermittent and contributes surface water flow to a traditional navigable water or territorial sea in a typical year. A tributary does not lose its jurisdictional status if it contributes surface water flow to a downstream jurisdictional water in a typical year through a channelized non-jurisdictional surface water feature, through a subterranean river, through a culvert, dam, tunnel, or other similar artificial feature, or through a debris pile, boulder field, or similar natural feature. The term "tributary" includes a ditch that either relocates a tributary, is constructed in a tributary, or is constructed in an adjacent wetland as long as the ditch is perennial or intermittent and contributes surface water flow to a traditional navigable water or territorial sea in a typical year.

The revised rule defines "lakes and ponds, and impoundments of jurisdictional waters" as standing bodies of open water that contribute surface water flow in a typical year to a territorial sea or traditional navigable water either directly or through a tributary, another jurisdictional lake, pond, or impoundment, or an adjacent wetland. The agencies note that to be jurisdictional, an "impoundment of a jurisdictional water" must be an impoundment of a territorial sea or traditional navigable water, tributary, jurisdictional lake or pond, or an adjacent wetland, and must meet the conditions in paragraph (c)(6) of the revised rule. A lake, pond, or impoundment of a jurisdictional water does not lose its jurisdictional status if it contributes surface water flow to a downstream jurisdictional water in a typical year through a channelized non-jurisdictional surface water feature, through a culvert, dike, spillway, or similar artificial feature, or through a debris pile, boulder field, or similar natural feature. A lake, pond, or impoundment of a jurisdictional water is also

¹ This revised rule was challenged in three federal district courts which, together, blocked implementation of the rule in 27 states. South Carolina is one of the 27 states and, therefore, the agencies continued to apply the revised rule in South Carolina.

jurisdictional if, in a typical year, it is inundated by flooding from a territorial sea or traditional navigable water, or tributary, or from another jurisdictional lake, pond, or impoundment.

The revised rule defines “adjacent wetlands” as wetlands that abut a territorial sea or traditional navigable water, a tributary, or a lake, pond, or impoundment of a jurisdictional water; are inundated by flooding from a territorial sea or traditional navigable water, a tributary, or a lake, pond, or impoundment of a jurisdictional water in a typical year; are physically separated from a territorial sea or traditional navigable water, a tributary, or a lake, pond, or impoundment of a jurisdictional water only by a natural berm, bank, dune, or similar natural feature; or are physically separated from a territorial sea or traditional navigable water, a tributary, or a lake, pond, or impoundment of a jurisdictional water only by an artificial dike, barrier, or similar artificial structure so long as that structure allows for a direct hydrological surface connection to the territorial sea or traditional navigable water, tributary, or lake, pond, or impoundment of a jurisdictional water in a typical year, such as through a culvert, flood or tide gate, pump, or similar artificial feature. “Abut” means when a wetland touches a territorial sea, traditional navigable water, tributary, or lake, pond, or impoundment of a jurisdictional water at least at one point or side. An adjacent wetland is jurisdictional in its entirety when a road or similar artificial structure divides the wetland, as long as the structure allows for a direct hydrologic surface connection through or over that structure in a typical year.

Consistent with the U.S. District Court for the District of Arizona’s August 30, 2021, order vacating and remanding the Navigable Waters Protection Rule, promulgated April 21, 2020 (85 Fed. Reg. 22250), effective June 22, 2020, the EPA and USACE halted implementation of the Navigable Waters Protection Rule and began interpreting “waters of the United States” consistent with the pre-2015 regulatory regime, as further defined in the revised rule discussed above. An approved jurisdictional determination (AJD) is a document provided by the Corps stating the presence or absence of “waters of the United States” on a parcel or a written statement and map identifying the limits of “waters of the United States” on a parcel. See 33 CFR 331.2. Under existing Corps’ policy, AJDs are generally valid for five years unless new information warrants revision prior to the expiration date. See U.S. Army Corps of Engineers, Regulatory Guidance Letter No. 05–02, § 1(a), p. 1 (June 2005) (Regulatory Guidance Letter (RGL) 05–02). As a general matter, the agencies’ actions are governed by the rule in effect at the time the Corps completes an AJD, not by the date of the request for an AJD. Therefore, AJDs that were pending on, or received after the court’s decision will be completed consistent with the pre-2015 regulatory regime. AJDs completed prior to the court’s decision remain valid until the expiration date unless one of the criteria for revision is met under RGL 05-02, or the recipient of such an AJD requests that a new AJD be provided pursuant to the pre-2015 regulatory regime.

On August 29, 2023, the EPA and the USACE issued a new final rule further limiting the scope of WOTUS consistent with the U.S. Supreme Court’s May 25, 2023 decision in the case of *Sackett v. EPA* (as of the date of this report, not yet published in the Federal Register). The agencies are revising the 2023 Rule to remove the significant nexus standard and to amend its definition of “adjacent” as these provisions are invalid under the Supreme Court’s interpretation of the Clean Water Act in *Sackett*. See section II of this preamble for the specific amendments. Under the decision in *Sackett*, waters are not jurisdictional under the Clean Water Act based on the significant nexus standard. In addition, under the decision in *Sackett*, wetlands are not defined as “adjacent” or jurisdictional under the Clean Water Act solely because they are “bordering, contiguous, or neighboring . . . [or] separated from other ‘waters of the United States’ by man-made dikes or barriers, natural river berms, beach dunes and the like.” Therefore, under this conforming rule, waters cannot be found to be jurisdictional because they meet the significant nexus standard; nor can wetlands be found to

be jurisdictional based on the definition of “adjacent” codified in the 2023 Rule. Furthermore, as a result of the decision in Sackett invalidating the significant nexus standard, the provision for assessment of streams and wetlands under the additional waters provision of paragraph (a)(5) is no longer valid as any jurisdictional streams and wetlands are covered by paragraphs (a)(1) through (4) of the 2023 Rule.² Finally, the agencies are removing “interstate wetlands” from the 2023 Rule to conform with the decision in Sackett. The Supreme Court in Sackett examined the Clean Water Act and its statutory history and found the predecessor statute to the Clean Water Act covered and defined “interstate waters” as “all rivers, lakes, and other waters that flow across or form a part of State boundaries.” Sackett at 1337 (citing 33 U.S.C. 1160(a), 1173(e) (1970 ed.) (emphasis in original)). The Court concluded that the use of the term “waters” refers to such “open waters” and not wetlands. Id. As a result, under Sackett, the provision authorizing wetlands to be jurisdictional simply because they are interstate is invalid. The agencies will continue to interpret the remainder of the definition of “waters of the United States” in the 2023 Rule consistent with the Sackett decision. And it is both reasonable and appropriate for the agencies to promulgate this rule in response to a significant decision of the Supreme Court and, to provide administrative guidance to address other issues that may arise outside this limited rule.

Partner’s professional opinion of jurisdictional status of identified features (if any) on the subject property, is consistent with the interpretation used by EPA and USACE.

1.7.2 State Wetlands and Surface Waters Regulations

It should be noted that, the state of South Carolina has additional wetland and surface water regulations as discussed below.

Regulatory activities pertaining to wetlands are administered by South Carolina's Department of Health and Environmental Control (SCDHEC). SCDHEC's Office of Environmental Quality Control (OEQC), Bureau of Water regulates waters of the state, including wetlands, and issues §401 certifications under the Clean Water Act (CWA). Statewide, 401 Water Quality Certification is applied where a 404 permit is required by federal regulations and follow the same exemptions as those applied under the Section 404 programs by the Corps.

The state's regulation of coastal wetlands is extensive and represents a major component of wetland work in South Carolina. This additional layer of state-level regulation is coordinated by SCDHEC's Office of Ocean and Coastal Resource Management (OCRM)'s Regulatory Division. The Division regulates tideland critical areas through a direct permitting program under the state's Coastal Zone Management Act (CZMA). This program provides two-tiers of regulation. Tier One regulates tideland Critical Areas. Tier Two areas include brackish water wetlands outside the Critical Areas but within the coastal zone.

1.7.3 Local Wetlands and Surface Waters Regulations

The subject property is located within the municipal limits of the City of Florence. As such, ordinances associated with the City of Florence will apply to development at the subject property.

The City of Florence relies on the Florence Unified Development Ordinance (FUDO) to impose land use restrictions on certain lands within the City of Florence. Codes applicable to the proposed development are outlined within Part 4, Articles 12, 16, and 21, including the following:

Part 4, Article 12, Divisions 2 and 4, Sections 1 and 8 General Information and Submittal Requirements

If the area proposed for development is to impact waters of the state (WOTUS) or jurisdictional wetlands, a United States Army Corps of Engineers (USACE) determination may be required. Prior to site development, a site-specific Stormwater Pollution Prevention Plan (SWPPP) must be developed. The SWPPP must identify and delineate all WOTUS, including wetlands, within the disturbed area and/or the total area associated with the construction site.

During construction activities, there is an established forty-five-foot, undisturbed buffer required where the surface waters are classified as Level I and II Water Bodies by the City. This extended natural buffer should be located between the surface waters and the outermost sediment and erosion controls at the construction site.

Part 4, Article 16, Division 4-16.1, Sec. 12 Use Standards

Wetlands are delineated and defined specifically as wetlands according to the methodology accepted by the U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency.

Part 4, Article 21, Division 6, Section 1 Submittal Requirements

All environmental areas must be delineated on site plans. General statements regarding the preservation of wetlands are required.

2.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the limited information available to complete this assessment, the south undeveloped wooded portion of the subject property appears to satisfy the three wetland criteria and wetland areas are likely to exist in this area of the subject property. The remaining portions of the subject property consist of residential development and do not appear to satisfy the three wetland criteria and wetland areas are unlikely to exist on these remaining portions of the subject property. According to the client, no ground disturbance is anticipated; therefore, additional investigation is not recommended.

It should be noted the USACE has the ultimate authority for wetlands and Waters of the United States (WOTUS) determinations. The Environmental Protection Agency (EPA) has the ultimate authority for official jurisdictional determinations; however, authority has been delegated to the USACE to give a jurisdictional determination (JD) on potential Waters of the United States.

3.0 LIMITATIONS

All conclusions expressed or implied in this report are limited by the contractual Scope of Work and standard commercial methods used to perform these services. This desktop review has been performed in general accordance with applicable guidelines that have been set forth by the USACE, EPA, and industry standards.

In preparing this report, Partner has relied solely on information that has been provided and/or derived from secondary sources and compiled data. Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluation. No other warranties are implied or expressed. The methodologies of this records review are not intended to identify all environmental concerns which may be identified in other Environmental Site Assessments. Site reconnaissance by Partner personnel was not conducted as part of this investigation.

Acceptance and use of this report infers acknowledgment that the condition of the property may have changed after the publication of the reviewed materials and that Partner, its officers, employees, vendors, successors or assigns, are not liable for changes in the condition of the property and damages that may occur as a result of the changes.

4.0 USER RELIANCE

All reports, both verbal and written, are for the sole use and benefit of the entities identified on the cover page. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of Partner.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at <http://www.partneresi.com/terms-and-conditions.php>.

5.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Desktop Wetland Assessment of the property located at 1117 June Lane in the City of Florence, Florence County, South Carolina in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*.

Prepared By:



Katie Scherr
Environmental Scientist

Reviewed By:



Amy Parker, PG, WPIT
Project Manager – Natural Resources



Katie L. Morgan, PWS, EP
Director of Natural and Cultural Resources
Professional Wetland Scientist (#3100)

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FIGURES

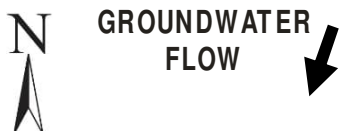
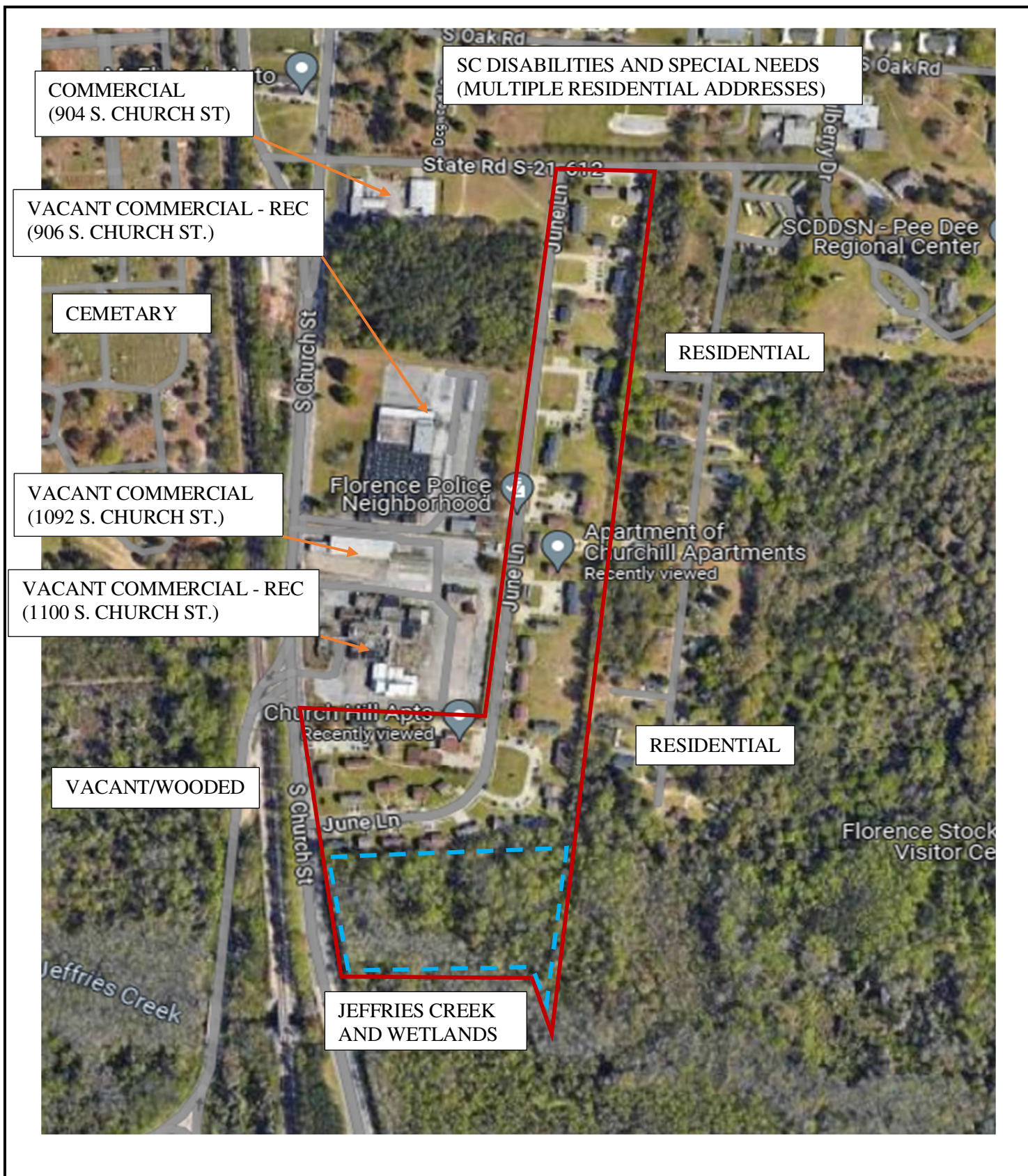
- 1. SITE LOCATION MAP**
- 2. SITE PLAN**
- 3. TOPOGRAPHIC MAP**



Drawing Not To Scale

KEY:
Subject Property 

FIGURE 1 : SITE LOCATION M AP
Project No. 24-458664.2

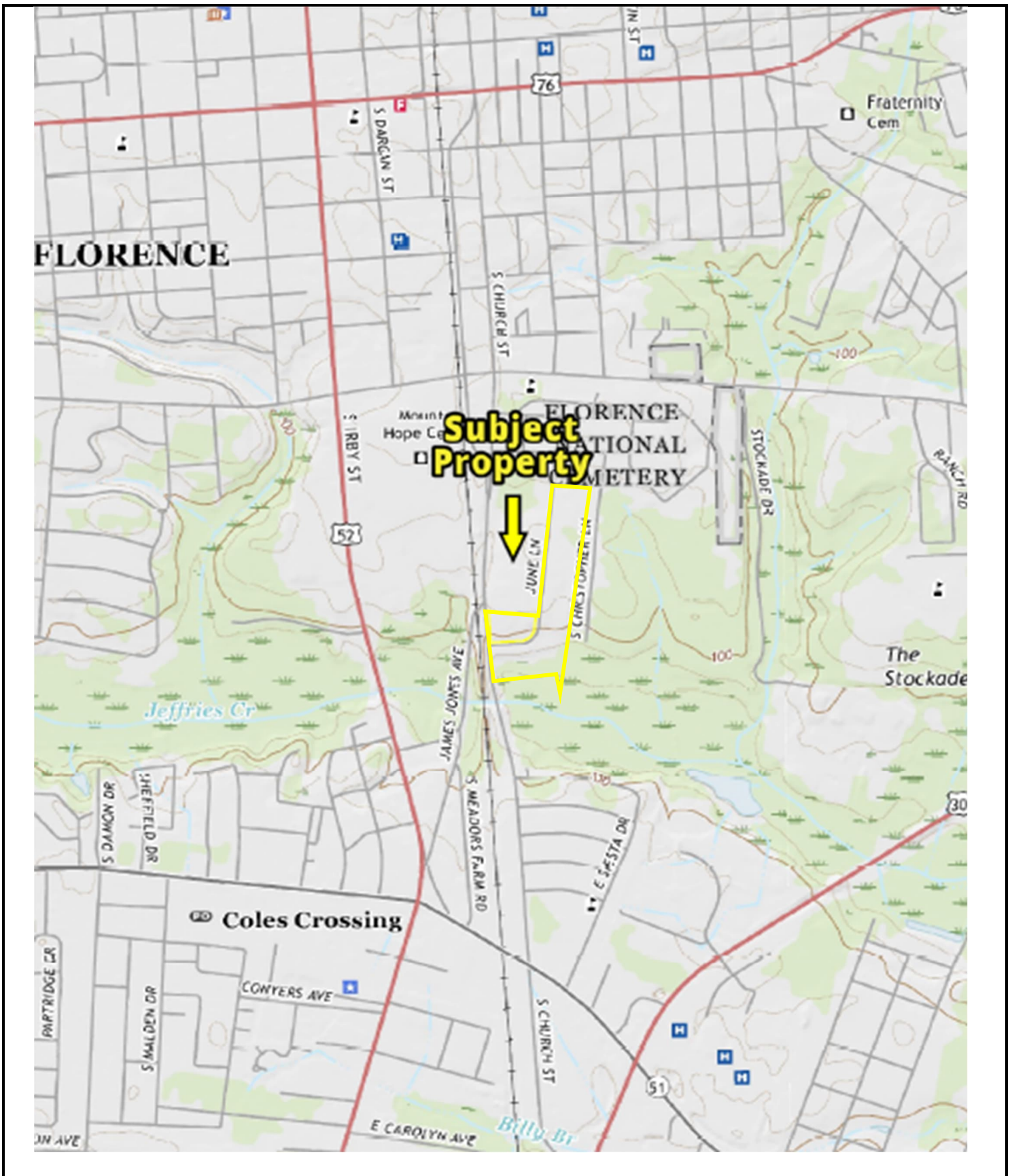


KEY:

Subject Property

Suspect Wetlands

FIGURE 2: SITE PLAN
Project No. 24-458664.2



USGS 7.5-Minute *Florence West, SC* Quadrangle
Created: 2020

KEY:
Subject Property 

FIGURE 3: TOPOGRAPHIC MAP
Project No. 24-458664.2

PARTNER

APPENDIX A: SUPPORTING DOCUMENTATION

EXHIBIT W

Identification of Wetlands

Company: Partner Engineering and Science, Inc.

Development: Churchill Apartments

Development Location: 1117 June Lane, Florence, South Carolina

County: Florence Acres: 29.81

 I certify that the development listed above **does not** contain jurisdictional and non-jurisdictional wetlands.

X I certify that the development listed above **does** contain jurisdictional and/or non-jurisdictional wetlands and the proposed development will not disturb the wetlands. The wetlands are 8.5 (acres) in size, rendering the buildable percentage at 28.5 %.

I have provided the following:

1. National Wetlands Inventory (NWI) map
2. My credentials that qualify me to make this determination.

Financial Interest: Neither I nor the company I work for have any financial interest in the proposed LIHTC application other than in the practice of our profession.



Signature and Certification of Wetlands Professional

08/21/2024

Date

Katie L. Morgan

Name of Wetland Professional



Signature and Certification of Development Owner

Date

Name of Developer

Florence County, SC

Parcel Information

Parcel Number

00149-01-006

Location Address

1117 JUNE LN

Legal Description

OFF CHURCH ST

(Note: Not to be used on legal documents)

Deeded Acres

0.00

Property Use

CI COMMERCIAL IMPROVED

Tax District

110 CITY OF FLORENCE

Homestead

N

[View Map](#)

Owner

[HOUSING AUTHORITY OF FLORENCE](#)
PO DRAWER 969
FLORENCE SC 29503

Certified 2023 Tax Year Value Information

+	Land Value	\$50,000
+	Improvement Value	\$0
+	Miscellaneous Value	\$0
=	Total Appraised Value	\$50,000

Tax Collector

Tax Collector

No data available for the following modules: Residential Buildings, Miscellaneous Improvements, Sales.

Florence County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.

[User Privacy Policy](#) | [GDPR Privacy Notice](#)

Last Data Upload: 8/6/2024, 8:39:26 PM

[Contact Us](#)



Florence County, SC

Parcel Information

Parcel Number 00149-01-007
Location Address 60000
Legal Description CHURCH HILL
(Note: Not to be used on legal documents)
Deeded Acres 0.00
Property Use CI COMMERCIAL IMPROVED
Tax District 110 CITY OF FLORENCE
Homestead N

[View Map](#)

Owner

[HOUSING AUTHORITY OF FLORENCE](#)
PO DRAWER 969
FLORENCE SC 29503

Certified 2023 Tax Year Value Information

+ Land Value	\$350,000
+ Improvement Value	\$0
+ Miscellaneous Value	\$0
= Total Appraised Value	\$350,000

Tax Collector

Tax Collector

No data available for the following modules: Residential Buildings, Miscellaneous Improvements, Sales.

Florence County makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.
[User Privacy Policy](#) | [GDPR Privacy Notice](#)
[Last Data Upload: 8/12/2024, 9:10:48 AM](#)

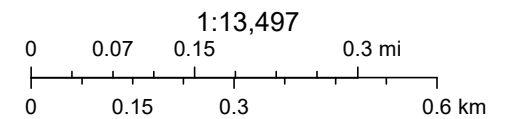
[Contact Us](#)

Developed by
 **Schneider**
GEOSPATIAL

Untitled map



8/6/2024



500
Feet

**Subject
Property**

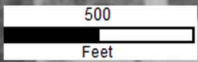


Year: 1941
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER



**Subject
Property**



Year: 1949
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1957
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1964
Source: USAF
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1975
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER

500
Feet

**Subject
Property**



Year: 1983
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER



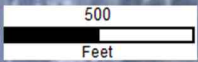
500
Feet

Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER



**Subject
Property**



Year: 2003
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051

PARTNER



Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

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Approx Center: -79.76056085,34.17569651

Order No: 24073001051



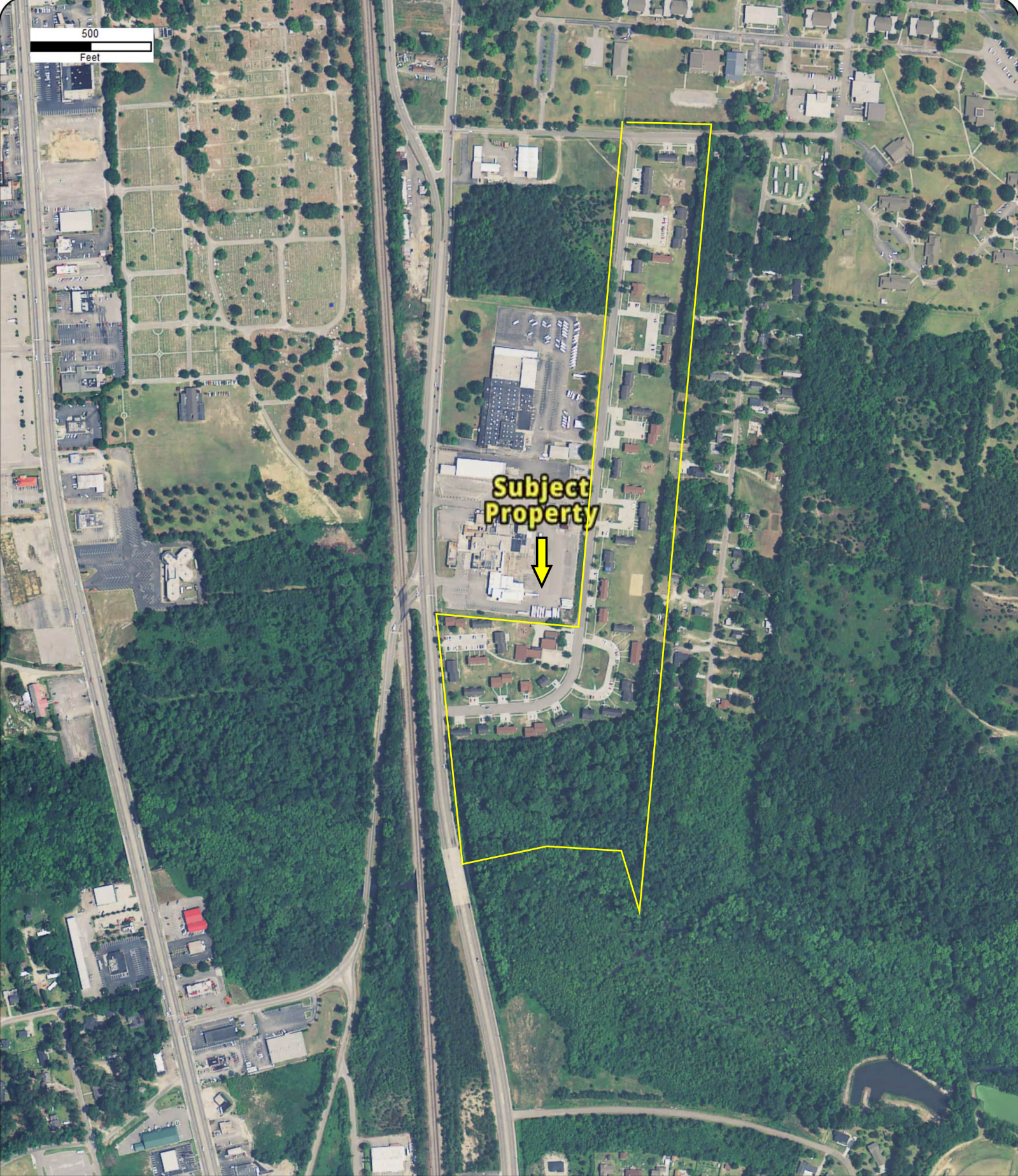


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Scale: 1" = 500'
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Approx Center: -79.76056085,34.17569651

Order No: 24073001051



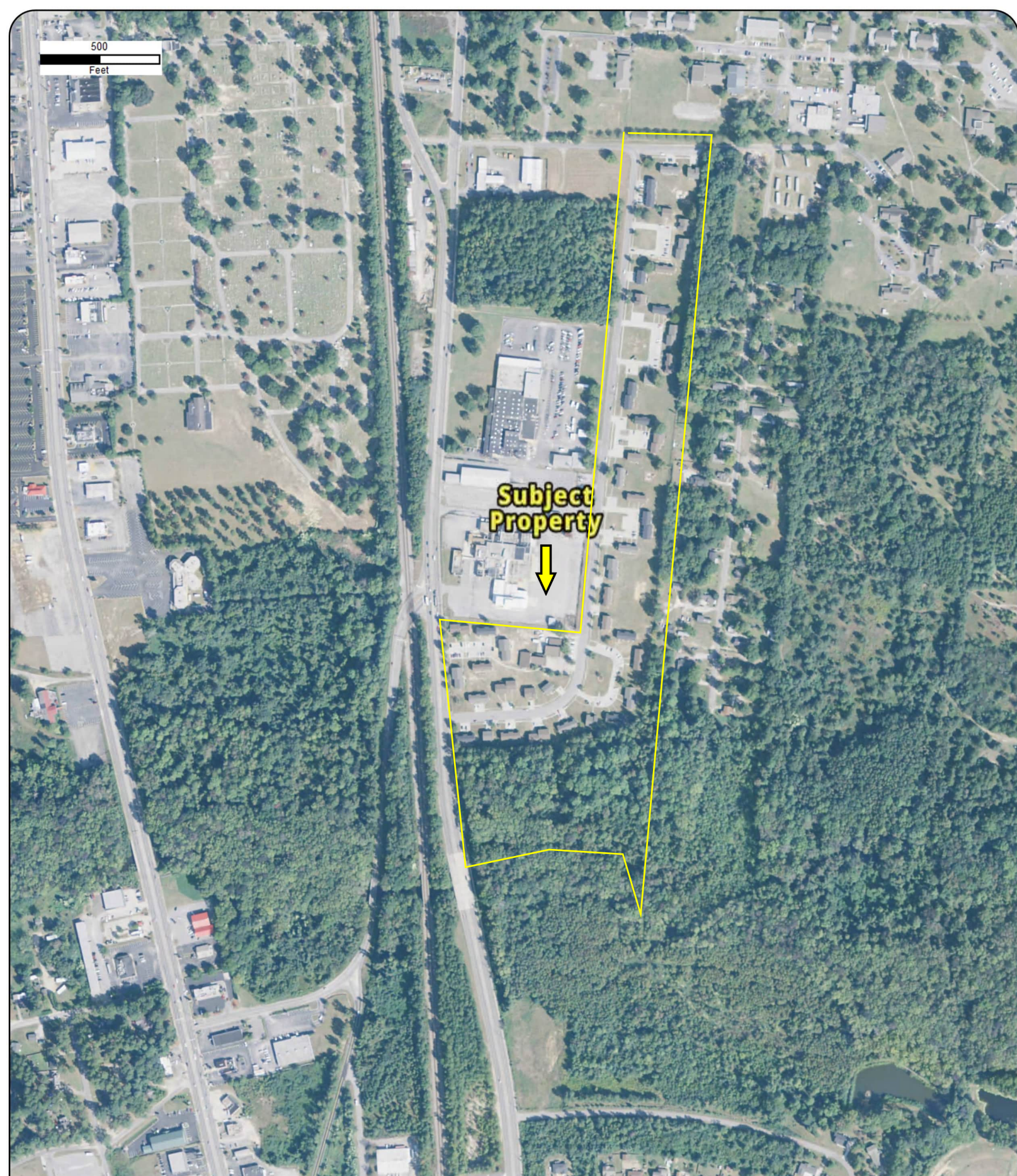


Year: 2011
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Scale: 1" = 500'
Comment:

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Order No: 24073001051



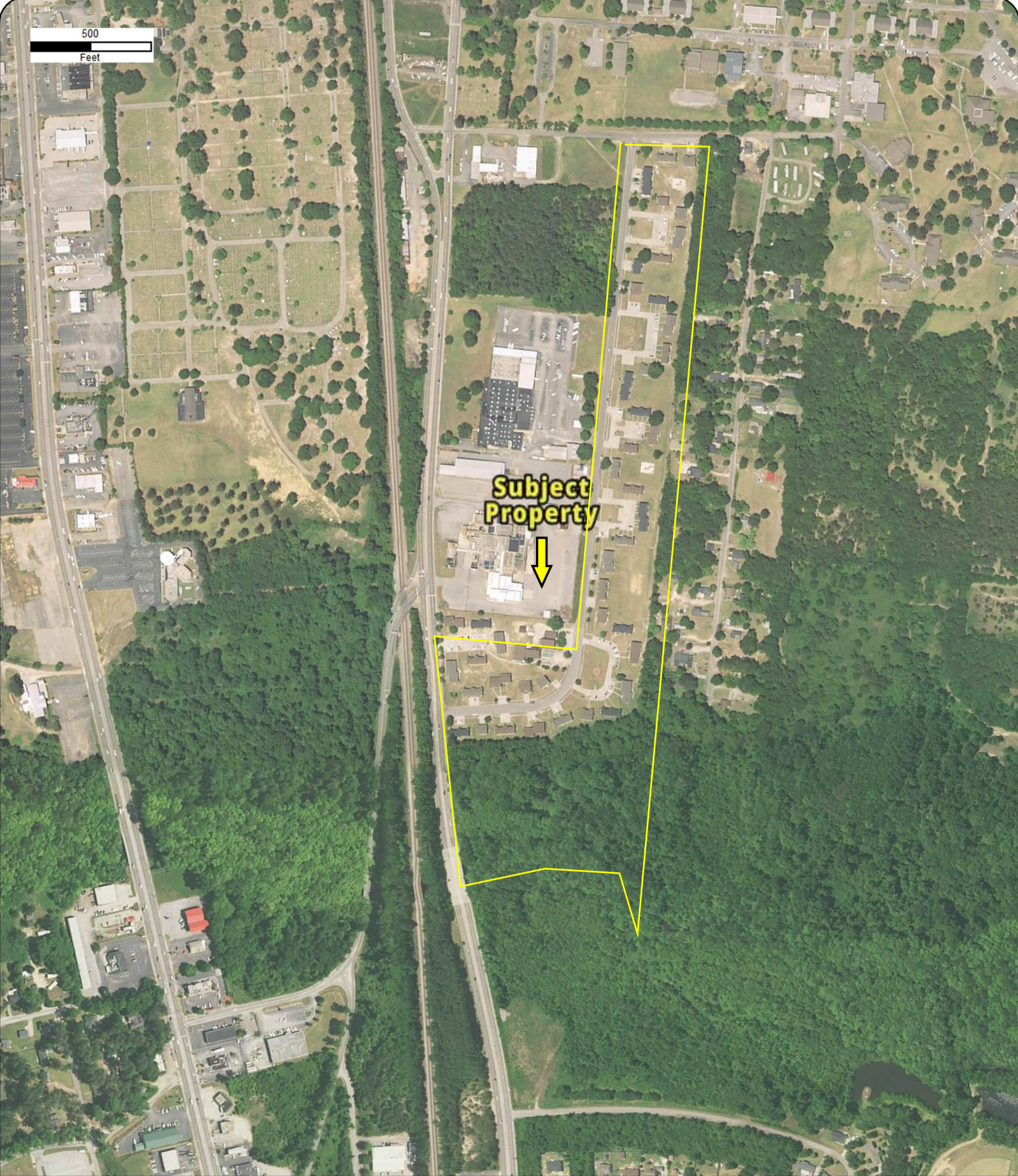


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Order No: 24073001051

PARTNER

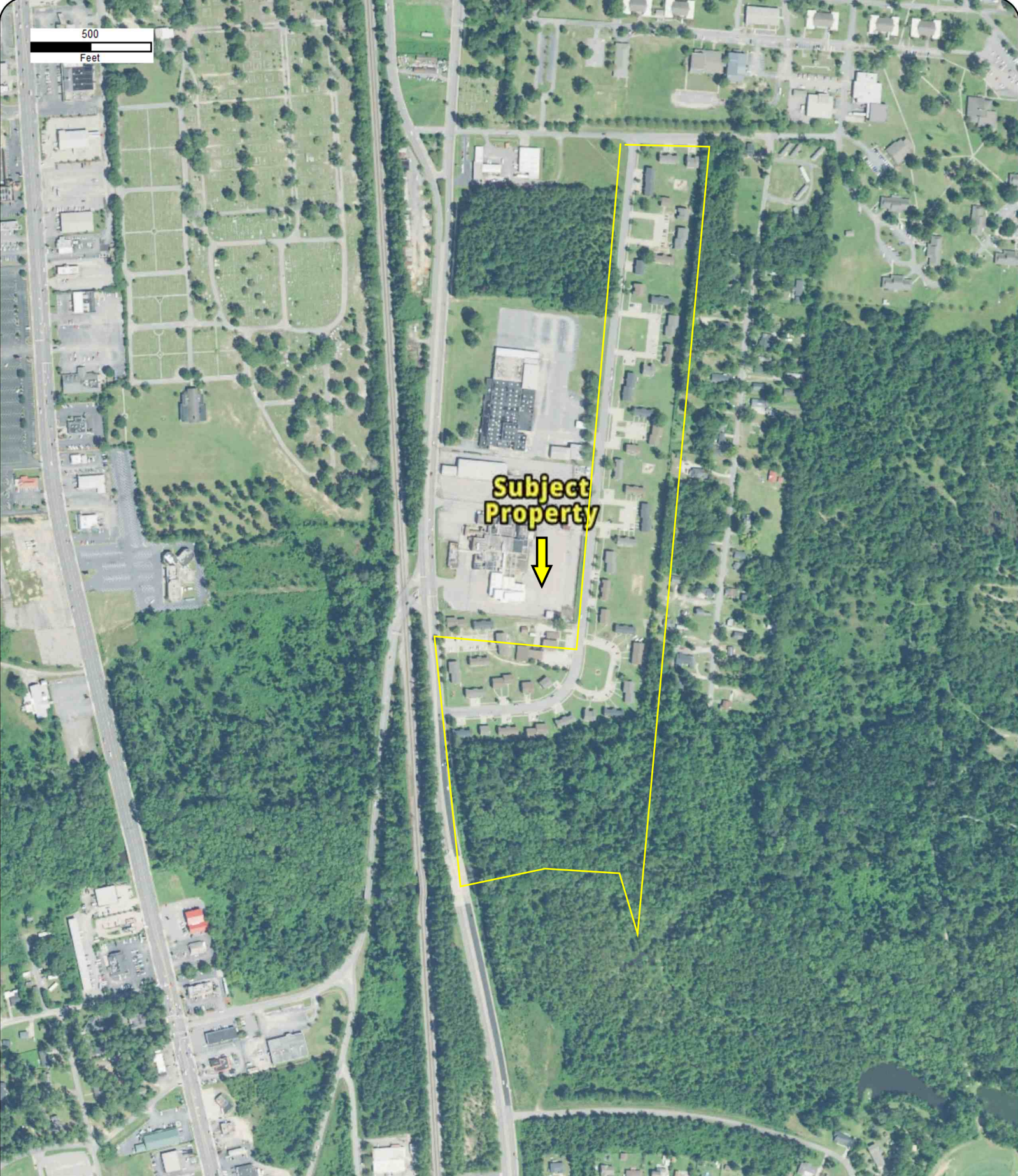


Year: 2015
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Order No: 24073001051



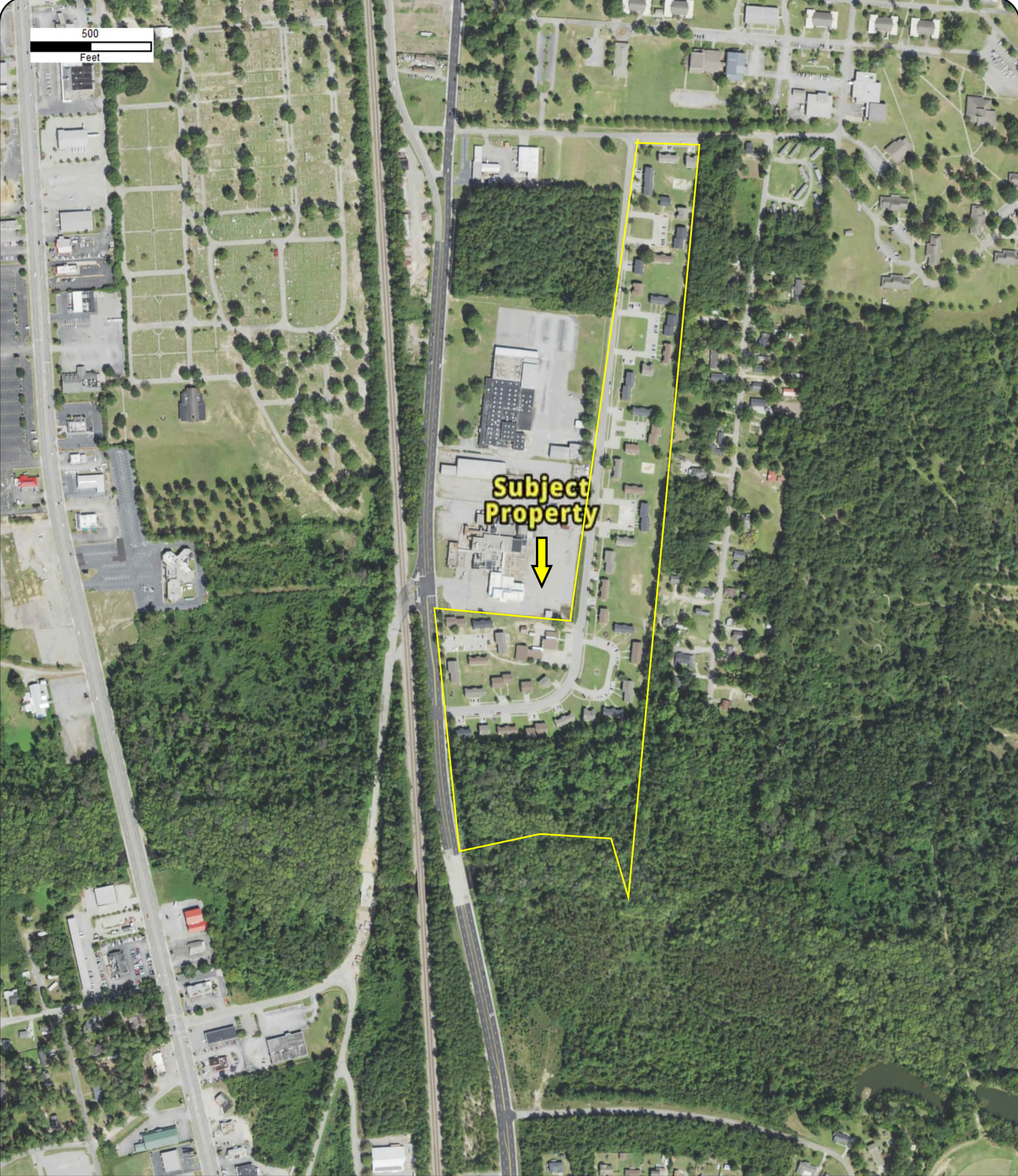


Year: 2017
Source: USDA
Scale: 1" = 500'
Comment:

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Approx Center: -79.76056085,34.17569651

Order No: 24073001051



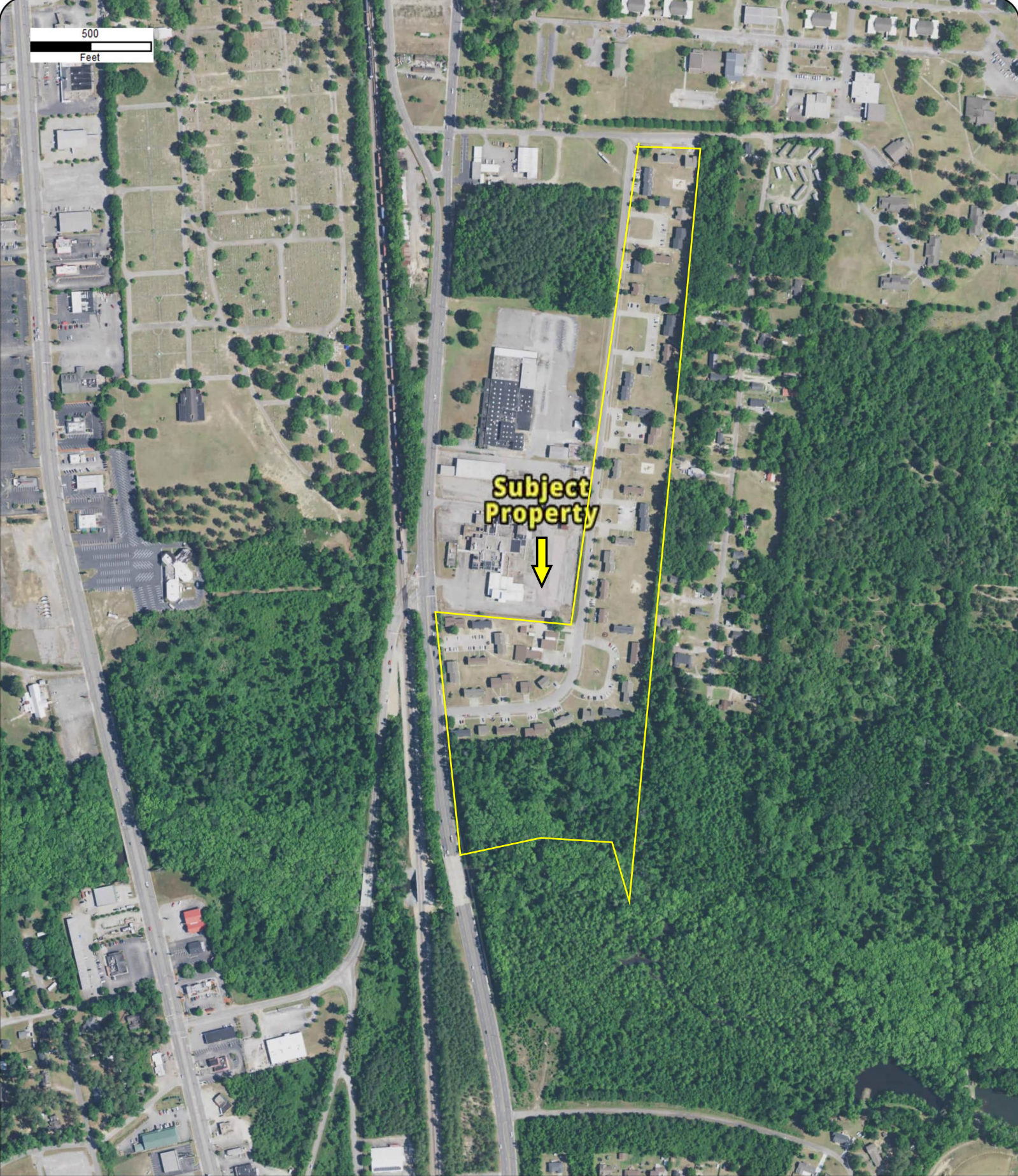


Year: 2019
Source: USDA
Scale: 1" = 500'
Comment:

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Approx Center: -79.76056085,34.17569651

Order No: 24073001051



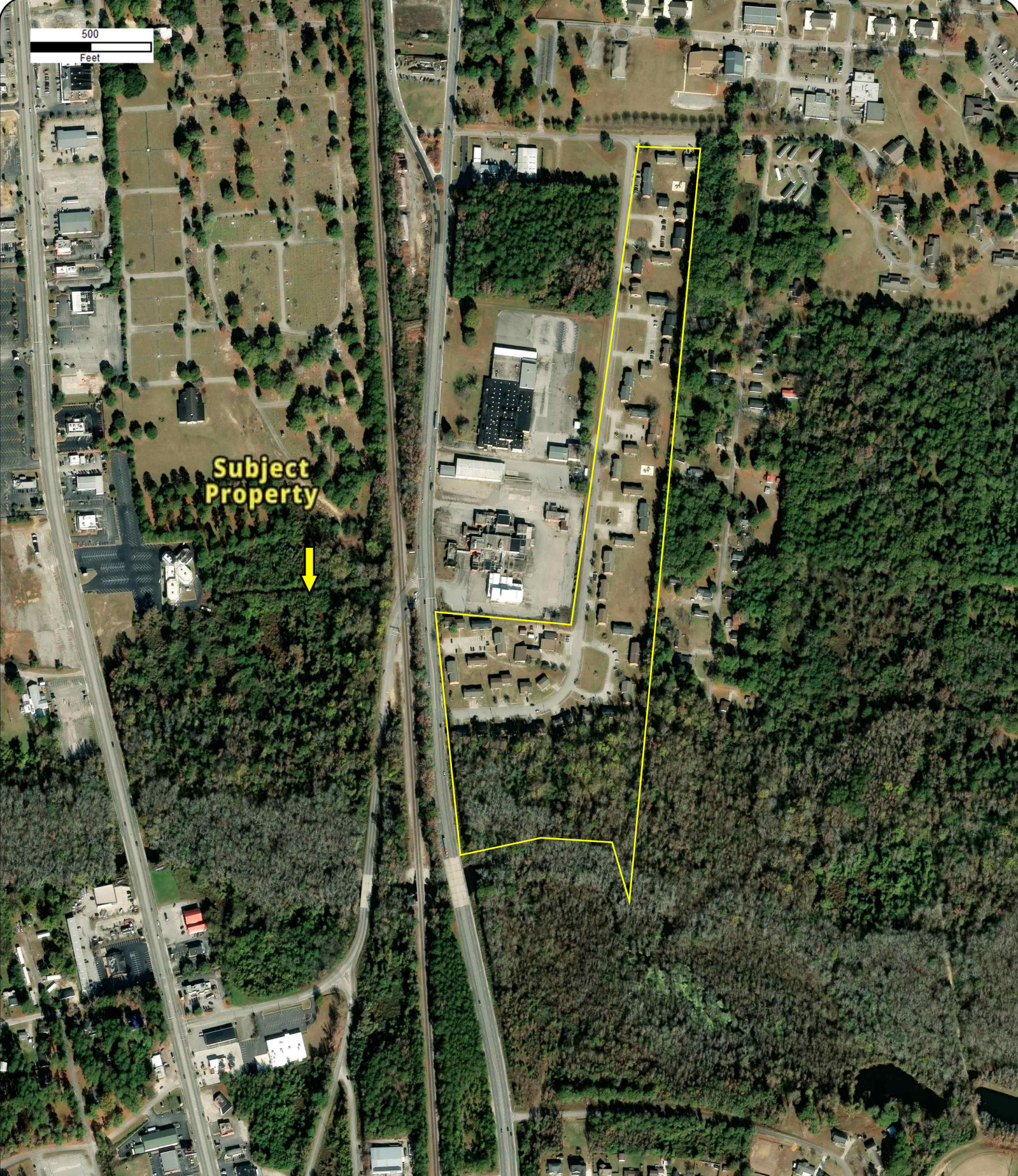


Year: 2021
Source: USDA
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051



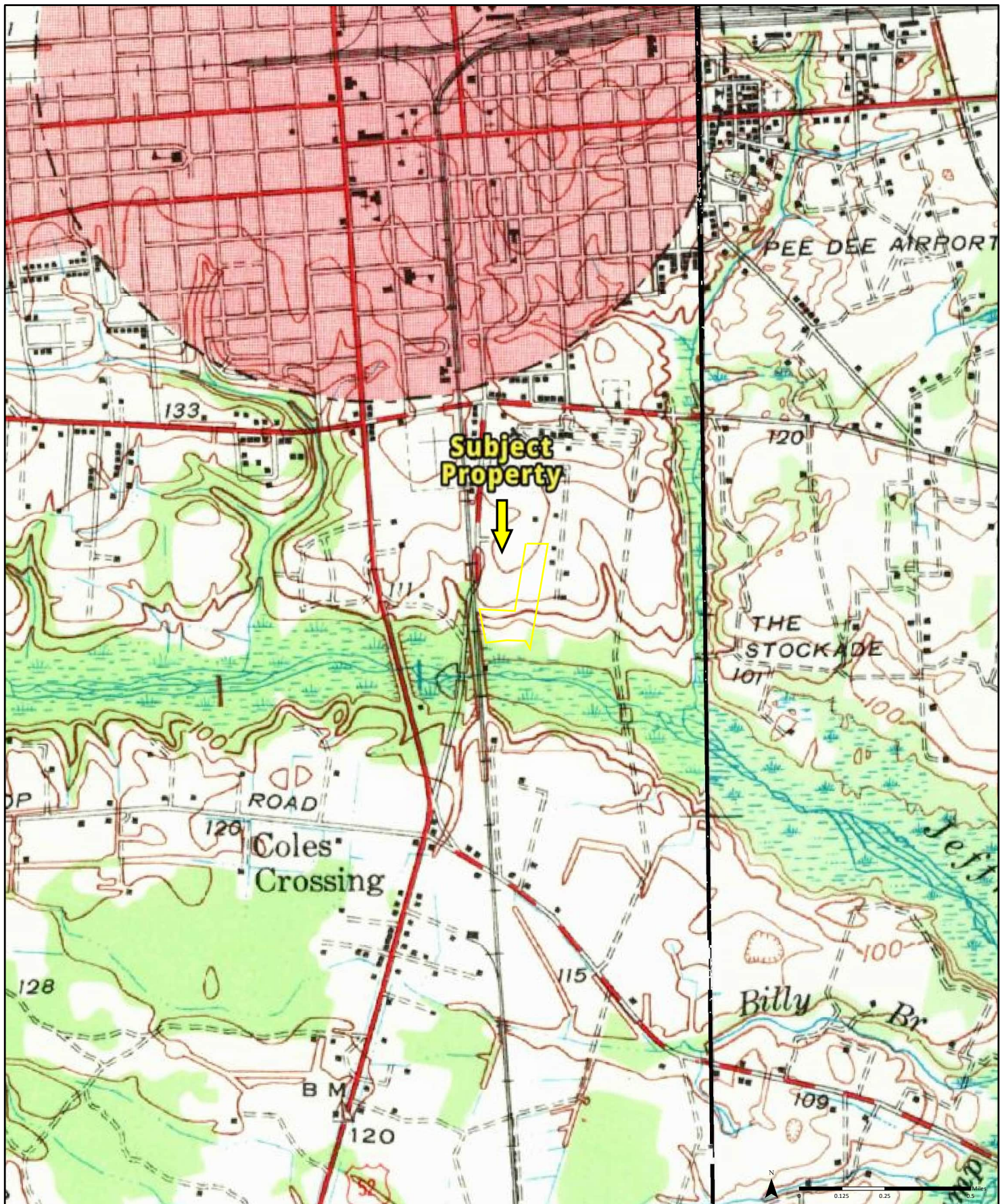


Year: 2023
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 1117 June Lane, FLORENCE, SC
Approx Center: -79.76056085,34.17569651

Order No: 24073001051





1940

Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 24073001051

Source: USGS 15 Minute Topographic Map

PARTNER



1945

Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 24073001051

Source: USGS 15 Minute Topographic Map

PARTNER

1986

(1-1986)
Aerial Photo Year: 1977

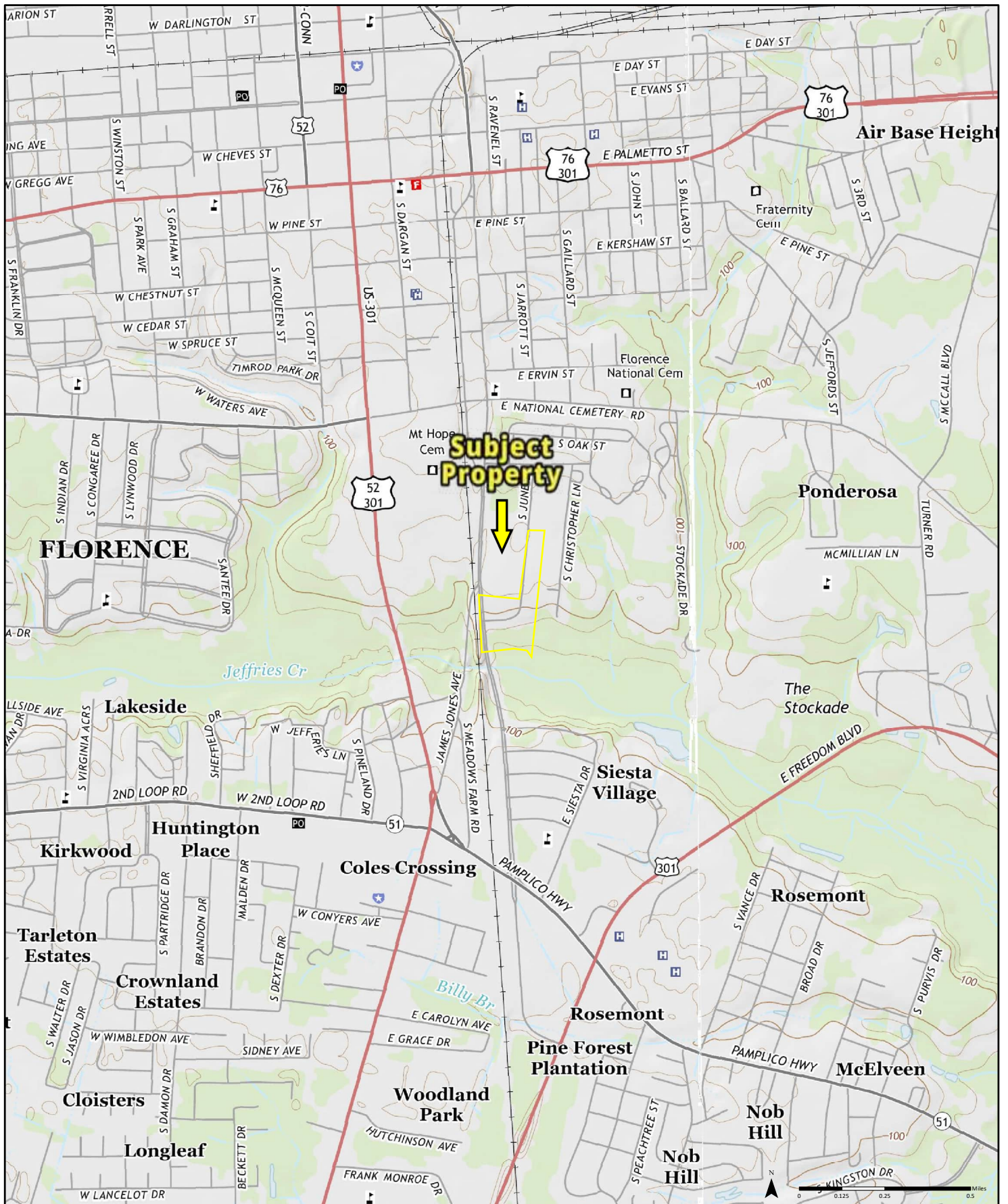
(2-1986)
Aerial Photo Year: 1977

Quadrangle(s): Florence West, SC₍₂₋₁₉₈₆₎
Florence East, SC₍₁₋₁₉₈₆₎

Order No. 24073001051

Source: USGS 7.5 Minute Topographic Map

PARTNER



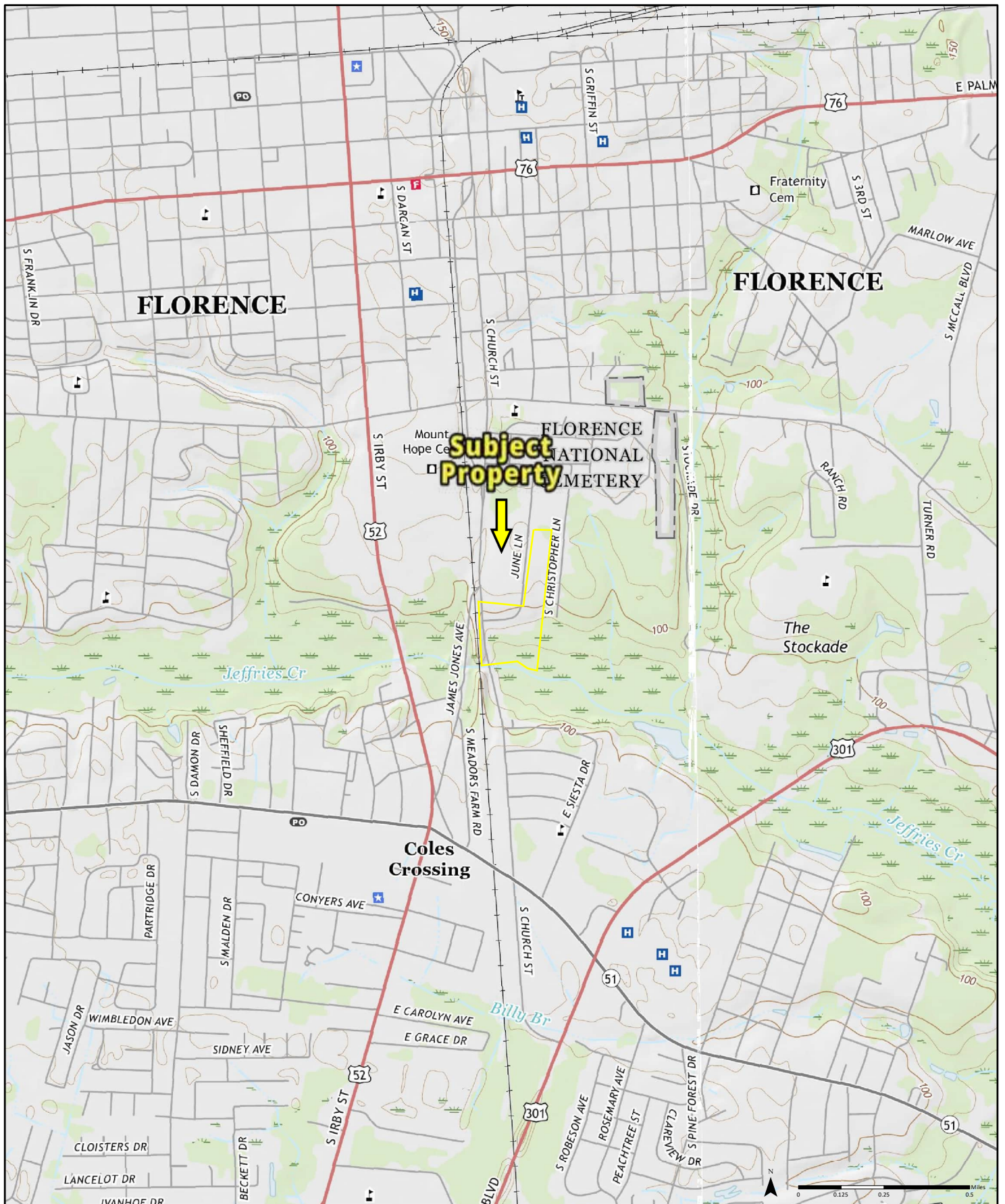
2014

Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 24073001051

Source: USGS 7.5 Minute Topographic Map

PARTNER



2017

Quadrangle(s): Florence West, SC
Florence East, SC

Order No. 24073001051

Source: USGS 7.5 Minute Topographic Map

PARTNER



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66. BLUE RIDGE											
Level IV Ecoregion	Physiography		Geology	Soil		Climate			Potential Natural Vegetation	Land Use and Land Cover	
	Area (square miles)	Elevation/ Local Relief (feet)	Surficial Material and Bedrock	Order (Great Group)	Common Soil Series	Temperature/ Moisture Regimes	Precipitation (inches)	First Frost (days)			Mean Temperature January (min/max; July min/max) (°F)
66c. New River	443	Hilly, high plateau, some low mountains. Moderate to high stream with bedrock.	Quaternary to Tertiary sandy to clayey conglomerate with brachiopod horizons.	Inceptisols (Dystrudepts, Humusoxils), Ultisols	Evard, Ashe, Hayesville, (Clifton, Chesler, Matamor)	Mesc / Talc	45-55	150-170	21/42; 58/80	Appalachian oak forest. Includes northern red oak, white oak, and short-leaf oak forests; mountain oak-hickory forest; oaks.	Deciduous forest, mixed forest, pasture and cropland with big, cotton, soybeans, and

75. SOUTHERN COASTAL PLAIN											
Level IV Ecoregion	Physiography		Geology		Soil			Climate		Potential Natural Vegetation	Land Use and Land Cover
Area	Elevation/ Feet/Meter	Surficial Material and Bedrock	Order (Great Group)	Common Soil Series	Temperature /	Precipitation	Frost Free	Mean Temperature			

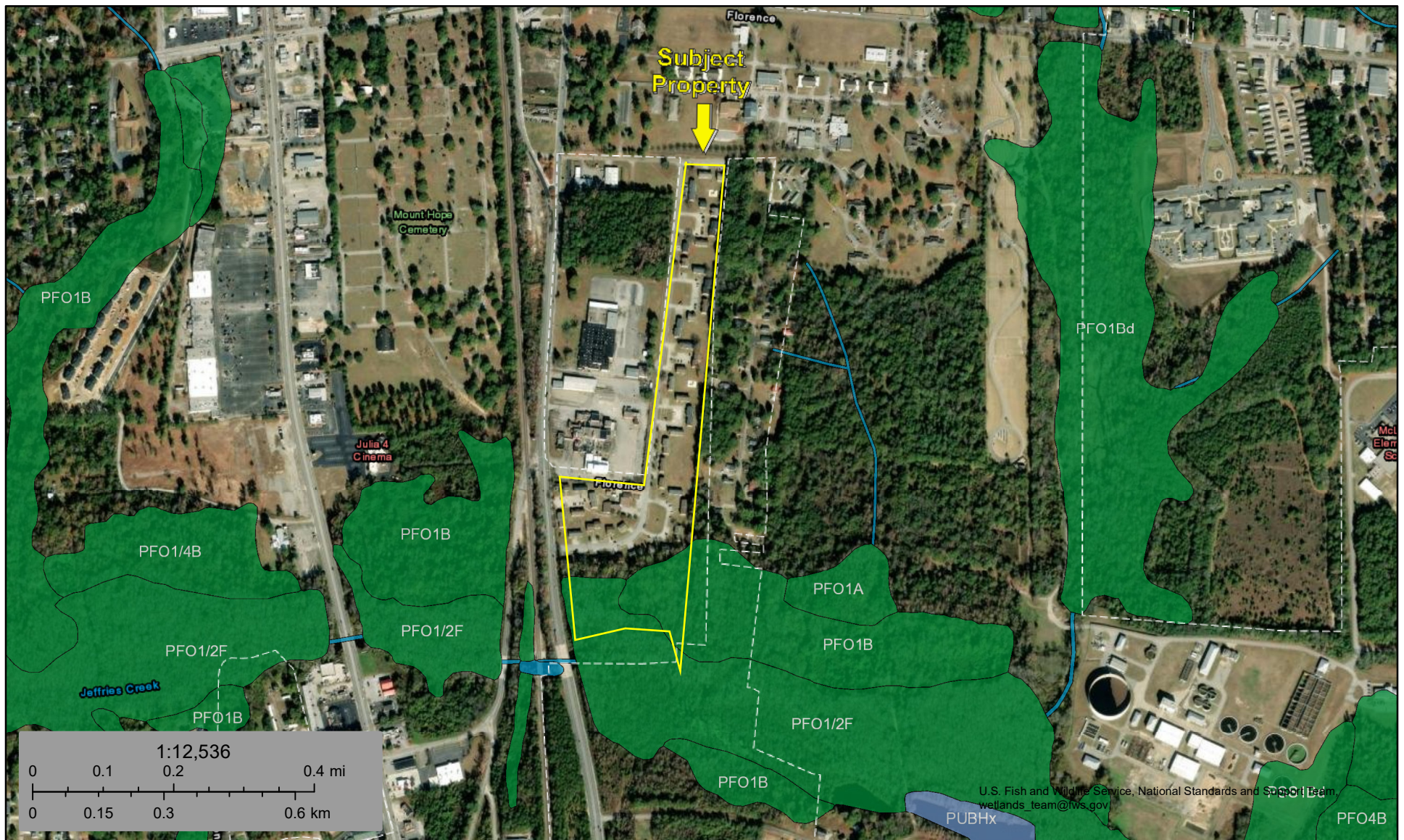
Marwick, H.W., Pavich, M.J., and Baell, G.R., 1990. Contrasting soils and landscapes of the Piedmont and Coastal Plain, eastern United States. <i>Geomorphology</i> , v. 3, p. 417-447.	Pruett, M.C. and Aiken, C.S., 1972. The demise of the Piedmont cotton region: <i>Annals of the Association of American Geographers</i> , v. 62, no. 2, p. 283-306.	Stucky, J.L., and Conrad, S.G., 1958. Explanatory text for geologic map of North Carolina: North Carolina Division of Mineral Resources Bulletin 71, 51 p.
Marshall, W.D., 1993. Assessing change in the Edisto River basin on ecological characterization: Columbia, S.C., South Carolina Water Resources Commission, Report no.177, 149 p.	Pyle, C.E., 1988. The type and extent of anthropogenic vegetation disturbance in the Great Smoky Mountains before National Park Service acquisition: <i>Catskill</i> , v. 53, no. 3, p. 183-196.	U.S. Department of Agriculture, Forest Service, 1969. A forest atlas of the South: New Orleans, Southern Forest Experiment Station, and Asheville, N.C., Southern Forest Experiment Station, 27 p.
Martin, W.H., Boyce, S.G., and Edmicham, A.C., eds., 1993a. Biodiversity of the southeastern United States-lowland terrestrial communities: New York, John Wiley and Sons, 502 p.	Pyle, C.E., and Schafale, M.P., 1988. Land use history of three spruce-fir forest sites in southern Appalachia: <i>Journal of Forest History</i> , vol. 32, p. 4-21.	U.S. Department of Agriculture, Forest Service, 1997. Forest type groups of the United States, scale 1:750,000; in Powell, D.S., Falkner, J.L., Darr, D.R., Zhu, Z., and MacCarty, D.W., Forest resources of the United States: Fort Collins, Colorado, U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-234, 132 p.
Martin, W.H., Boyce, S.G., and Edmicham, A.C., eds., 1993b. Biodiversity of the southeastern United States-upland terrestrial communities: New York, John Wiley and Sons, 773 p.	Quaternen, E., and Keever, C., 1962. Southern mixed hardwood forest: climas in the southeastern coastal plain, USA: <i>Ecological Monographs</i> , v. 32, p. 167-185.	U.S. Department of Agriculture, National Agricultural Statistics Service, 1999. Censuses of agriculture, 1997, 7, subset



U.S. Fish and Wildlife Service

National Wetlands Inventory

NWI Map



August 12, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

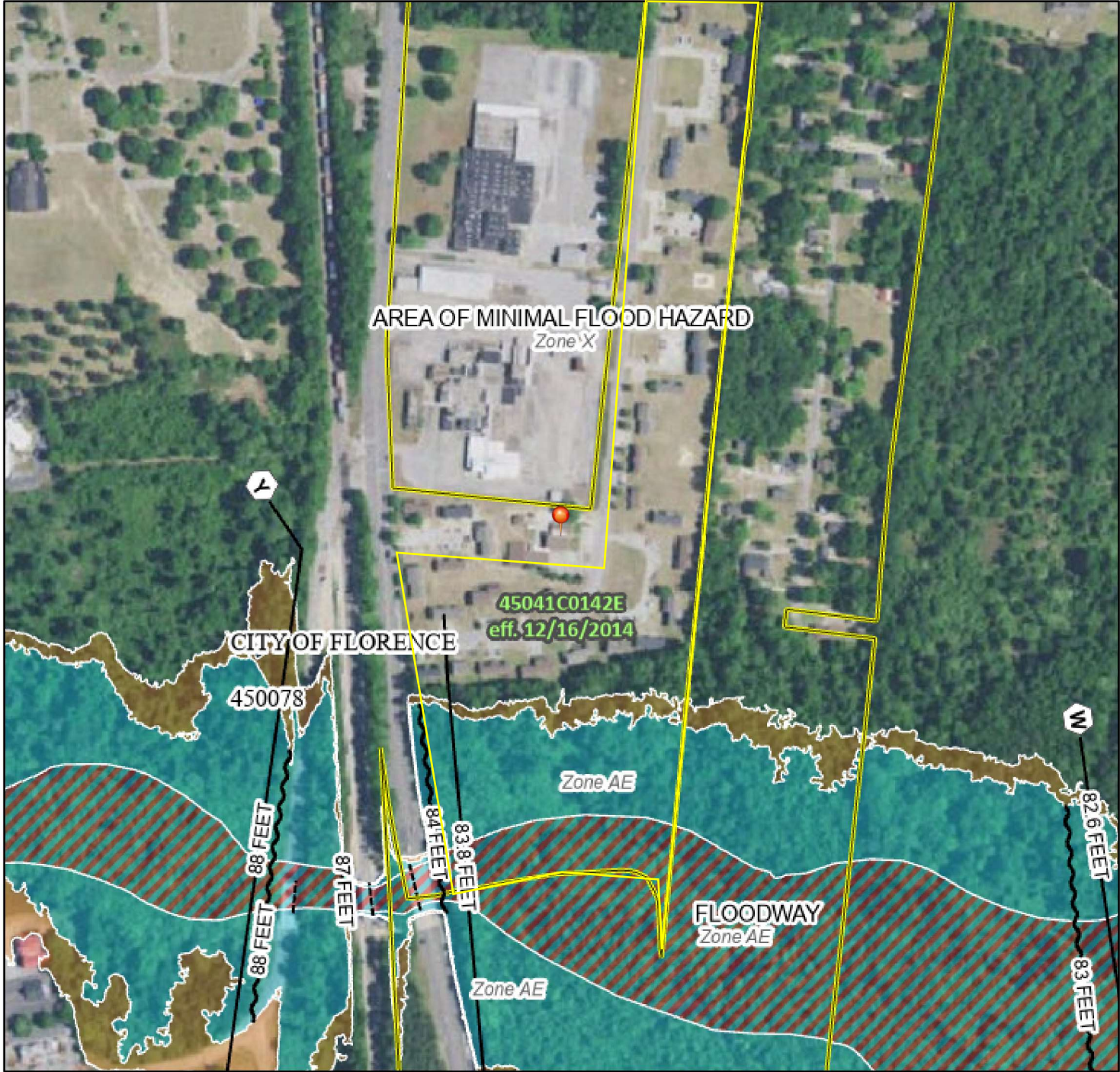
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMMette

79°45'54"W 34°10'48"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



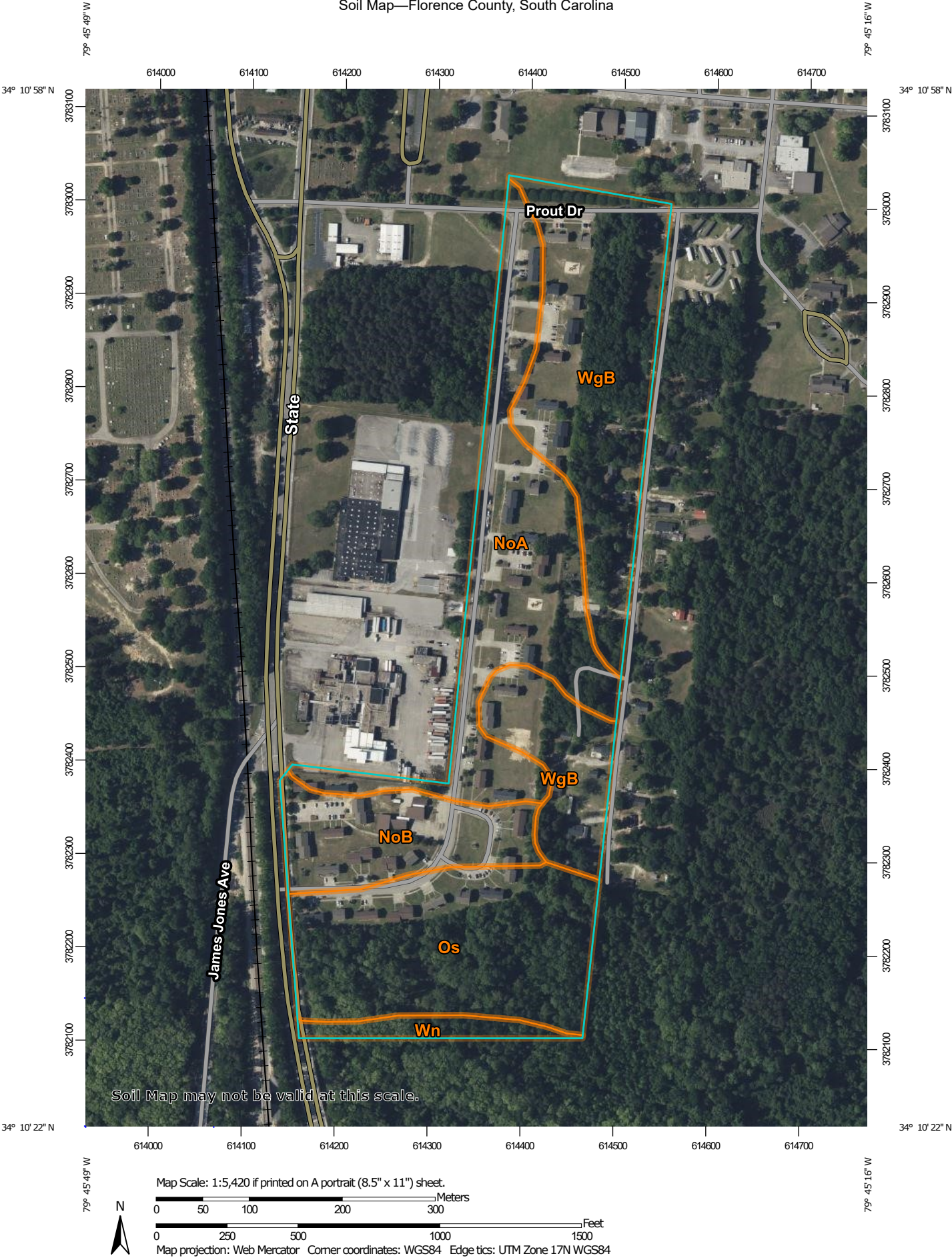
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/19/2024 at 1:59 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.


This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmoderated areas cannot be used for regulatory purposes.

Soil Map—Florence County, South Carolina




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Florence County, South Carolina

Survey Area Data: Version 27, Aug 29, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
NoA	Norfolk loamy sand, 0 to 2 percent slopes	13.3	26.3%
NoB	Norfolk loamy sand, 2 to 6 percent slopes	6.0	11.9%
Os	Osier loamy sand	12.4	24.5%
WgB	Wagram sand, 0 to 6 percent slopes	17.4	34.5%
Wn	Wehadkee and Johnston soils, frequently flooded	1.5	2.9%
Totals for Area of Interest		50.5	100.0%

Soil Survey Area - Soil Data Access (SDA) - Hydric Soils Rating by Map Unit

An SDA-populated select list is used to pick a state and SSA which enables creation of a "Hydric Soils Report" based upon those selections. The data is not static; it hits Soil Data Access Live. To reset the table change the state dropdown. Once a state is selected and table appears, if a new state is selected it will refresh the table. The report uses a count instead of component percent to determine the hydric rating by map unit. [For more information about the table,](#)

South Carolina ▼

selected stateId = SC

Florence County, South Carolina ▼

selected SSA areasympol = SC041

areasympol	musym	muname	mukey	hydric_rating
SC041	Ba	Barth loamy sand	129941	Predominantly Nonydric
SC041	Br	Brogdon sand	129942	Nonhydric
SC041	CaA	Cahaba loamy fine sand, 0 to 3 percent slopes	129943	Nonhydric
SC041	Cb	Cahaba-Leaf complex	129944	Partially Hydric
SC041	Ce	Cape Fear loam	129945	Hydric
SC041	Ch	Chastain-Chewacla-Congaree association, frequently flooded	129946	Partially Hydric
SC041	Cn	Chipley loamy sand, dark surface	129947	Predominantly Nonydric
SC041	Cv	Coxville fine sandy loam	129948	Hydric
SC041	Dp	Duplin fine sandy loam	129949	Nonhydric
SC041	DuA	Duplin and Exum soils, 0 to 2 percent slopes	129950	Nonhydric
SC041	DuB	Duplin and Exum soils, 2 to 6 percent slopes	129951	Nonhydric
SC041	Ex	Exum sandy loam	129952	Predominantly Nonydric
SC041	FaA	Faceville loamy sand, 0 to 2 percent slopes	129953	Predominantly Nonydric
SC041	FaB	Faceville loamy sand, 2 to 6 percent slopes	129954	Predominantly Nonydric
SC041	FaD	Faceville loamy sand, 6 to 15 percent slopes	129955	Nonhydric
SC041	FuB	Fuquay sand, 0 to 4 percent slopes	129956	Predominantly Nonydric
SC041	Go	Goldsboro loamy sand	129957	Predominantly Nonydric
SC041	Hy	Hyde loam	129958	Hydric
SC041	Jo	Johns fine sandy loam	129959	Nonhydric

SC041	Ka	Kalmia loamy sand	129960	Nonhydic
SC041	KeB	Kenansville sand, 0 to 4 percent slopes	129961	Nonhydic
SC041	Ls	Leaf fine sandy loam	129964	Hydic
SC041	LuB	Lucy sand, 0 to 6 percent slopes	129965	Nonhydic
SC041	LuC	Lucy sand, 6 to 10 percent slopes	129966	Nonhydic
SC041	Lz	Lynn Haven sand	129968	Hydic
SC041	Mp	Mine pits and dumps	129969	Nonhydic
SC041	NoA	Norfolk loamy sand, 0 to 2 percent slopes	129970	Predominantly Nonydic
SC041	NoB	Norfolk loamy sand, 2 to 6 percent slopes	129971	Predominantly Nonydic
SC041	On	Olanta loamy sand	129972	Nonhydic
SC041	OrA	Orangeburg loamy sand, 0 to 2 percent slopes	129973	Nonhydic
SC041	OrB	Orangeburg loamy sand, 2 to 6 percent slopes	129974	Nonhydic
SC041	OrC	Orangeburg loamy sand, 6 to 10 percent slopes	129975	Nonhydic
SC041	Os	Osier loamy sand	129976	Hydic
SC041	Pa	Pantego loam	129977	Hydic
SC041	PIB	Pocalla sand, 0 to 4 percent slopes	129978	Nonhydic
SC041	Ra	Rains sandy loam	129979	Hydic
SC041	Rs	Rimini sand	129980	Nonhydic
SC041	Ru	Rutlege loamy sand	129981	Hydic
SC041	SuC	Sunsweet loamy fine sand, 6 to 10 percent slopes	129982	Nonhydic
SC041	SuE	Sunsweet loamy fine sand, 10 to 25 percent slopes	129983	Nonhydic
SC041	Ub	Urban land-Coxville-Norfolk association	129984	Partially Hydic
SC041	VaA	Varina loamy fine sand, 0 to 2 percent slopes	129985	Predominantly Nonydic
SC041	VaB	Varina loamy fine sand, 2 to 6 percent slopes	129986	Nonhydic
SC041	W	Water	129987	Nonhydic
SC041	WgC	Wagram sand, 6 to 10 percent slopes	129989	Nonhydic
SC041	WgD	Wagram sand, 10 to 15 percent slopes	129990	Nonhydic
SC041	Wh	Wahee fine sandy loam	129991	Predominantly Nonydic
SC041	Wk	Wehadkee-Chastain association, frequently flooded	129992	Hydic
SC041	Wn	Wehadkee and Johnston soils, frequently flooded	129993	Hydic
SC041	Ly	Lynchburg sandy loam, 0 to 2 percent slopes	129967	Predominantly Nonydic
SC041	LaB	Lakeland sand, 0 to 6 percent slopes, Southern Coastal Plain	129962	Nonhydic
SC041	LkB	Lakeland sand, 0 to 6 percent slopes, Atlantic Coast Flatwoods	2893521	Nonhydic
SC041	WgB	Wagram sand, 0 to 6 percent slopes	129988	Nonhydic
SC041	LaD	Lakeland sand, 6 to 15 percent slopes	129963	Nonhydic

SC041	RnA	Rains sandy loam, 0 to 2 percent slopes, Atlantic Coast Flatwoods	3260154	Predominantly Hydric
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Report Metadata: [Back to top](#)

- **areasympol:** A symbol that uniquely identifies a single occurrence of a particular type of area (e.g. Dane Co., Wisconsin is WI025).
- **musym:** The symbol used to uniquely identify the soil mapunit in the soil survey.
- **Mapunit_Name:** Correlated name of the mapunit (recommended name or field name for surveys in progress).
- **mukey:** A non-connotative string of characters used to uniquely identify a record in the Mapunit table.
- **hydric_rating:** This Hydric Soil Category rating indicates the components of map units that meet the criteria for hydric soils.

Hydric Soil Categories :

This Hydric Soil Category rating indicates the components of map units that meet the criteria for hydric soils. Map units are composed of one or more major soil components or soil types that generally make up 20 percent or more of the map unit and are listed in the map unit name, and they may also have one or more minor contrasting soil components that generally make up less than 20 percent of the map unit. Each major and minor map unit component that meets the hydric criteria is rated hydric. The map unit class ratings based on the hydric components present are: Hydric, Predominantly Hydric, Partially Hydric, Predominantly Nonhydric, and Nonhydric. The report also shows the total representative percentage of each map unit that the hydric components comprise.

- **"Hydric"** means that all major and minor components listed for a given map unit are rated as being hydric.
- **"Predominantly Hydric"** means that all major components listed for a given map unit are rated as hydric, and at least one contrasting minor component is not rated hydric.
- **"Partially Hydric"** means that at least one major component listed for a given map unit is rated as hydric, and at least one other major component is not rated hydric.
- **"Predominantly Nonhydric"** means that no major component listed for a given map unit is rated as hydric, and at least one contrasting minor component is rated hydric.
- **"Nonhydric"** means no major or minor components for the map unit are rated hydric. The assumption is that the map unit is nonhydric even if none of the components within the map unit have been rated.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

If soils are wet enough for a long enough period of time to be considered hydric, they typically exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Vasilas, Hurt, and Noble, 2010).

The NTCHS has developed criteria to identify those soil properties unique to hydric soils (Federal Register, 2012). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria use selected soil properties that are described in "Field Indicators of

Hydric Soils in the United States" (Vasilas, Hurt, and Noble, 2010), "Soil Taxonomy" (Soil Survey Staff, 1999), "Keys to Soil Taxonomy" (Soil Survey Staff, 2010), and the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

The criteria for hydric soils are represented by codes, for example, 2 or 3. Definitions for the codes are as follows:

1. All Histels except for Folistels, and Histosols except for Folists.
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
 1. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 2. Show evidence that the soil meets the definition of a hydric soil;
3. Soils that are frequently ponded for long or very long duration during the growing season.
 1. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 2. Show evidence that the soil meets the definition of a hydric soil;
4. Map unit components that are frequently flooded for long duration or very long duration during the growing season that:
 1. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
 2. Show evidence that the soil meets the definition of a hydric soil;

Hydric Condition: Food Security Act information regarding the ability to grow a commodity crop without removing woody vegetation or manipulating hydrology.

References:

- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. February, 28, 2012. Hydric soils of the United States.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.
- Vasilas, L.M., G.W. Hurt, and C.V. Noble, editors. Version 7.0, 2010. Field indicators of hydric soils in the United States.

LOCATION NORFOLK

NC+AL AR FL GA SC VA

Established Series

CMO/Rev. JAK

11/2005

NORFOLK SERIES

MLRA(s): 133A-Southern Coastal Plain, 153A-Atlantic Coast Flatwoods, 153B-Tidewater Area

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Raleigh, North Carolina

Depth Class: Very deep

Drainage Class (Agricultural): Well drained

Internal Free Water Occurrence: Deep, transitory or very deep

Index Surface Runoff: Negligible to medium

Permeability: Moderate (Saturated Hydraulic Conductivity: Moderately high)

Landscape: Lower, middle, or upper coastal plain

Landform: Uplands or marine terraces

Geomorphic Component: Interfluvial, side slopes

Hillslope Profile Position: Summits, shoulders, backslopes

Parent Material: Marine deposits or fluviomarine deposits

Slope: 0 to 10 percent

Elevation (type location): Unknown

Mean Annual Air Temperature (type location): 62 degrees F.

Mean Annual Precipitation (type location): 49 inches

TAXONOMIC CLASS: Fine-loamy, kaolinitic, thermic Typic Kandiodults**TYPICAL PEDON:** Norfolk loamy sand--cultivated. (Colors are for moist soil unless otherwise indicated.)

Ap--0 to 9 inches; grayish brown (10YR 5/2) loamy sand; weak fine and medium granular structure; very friable; nonsticky, nonplastic; few fine and medium roots; darker-colored material in old root channels; strongly acid; clear smooth boundary. (3 to 10 inches thick)

E--9 to 14 inches; light yellowish brown (10YR 6/4) loamy sand; weak medium granular structure; very friable; nonsticky, nonplastic; few fine and medium roots; darker-colored material in old root channels; strongly acid; clear smooth boundary. (0 to 10 inches thick)

Bt1--14 to 17 inches; yellowish brown (10YR 5/6) sandy loam; weak medium subangular blocky structure; friable; slightly sticky, slightly plastic; few fine and medium roots; few faint clay films on faces of peds; strongly acid; clear wavy boundary.

Bt2--17 to 38 inches; yellowish brown (10YR 5/6) sandy clay loam; weak medium subangular blocky structure; friable; slightly sticky, slightly plastic; many fine and medium pores; few faint clay films on faces of peds; strongly acid; gradual wavy boundary.

Bt3--38 to 58 inches; yellowish brown (10YR 5/6) sandy clay loam; weak medium subangular blocky structure; friable; slightly sticky, slightly plastic; few faint clay films on faces of peds; few fine faint strong brown (7.5YR 4/6) and few prominent yellowish red (5YR 5/8) masses of oxidized iron and few fine distinct pale brown (10YR 6/3) iron depletions; strongly acid; gradual wavy boundary.

Bt4--58 to 70 inches; yellowish brown (10YR 5/6) sandy clay loam; weak medium subangular blocky structure; friable; slightly sticky, slightly plastic; few faint clay films on faces of peds; common medium distinct yellowish

red (5YR 5/8) masses of oxidized iron and pale brown (10YR 6/3) and light brownish gray (10YR 6/2) iron depletions; 1 percent, firm yellowish red plinthite nodules; strongly acid; gradual wavy boundary. (Combined thickness of Bt horizon is 40 to more than 60 inches.)

BC--70 to 82 inches; variegated brownish yellow (10YR 6/6), strong brown (7.5YR 5/6), and yellowish red (5YR 5/6) sandy clay loam; weak medium subangular blocky structure; friable; slightly sticky, slightly plastic; 5 percent firm, brittle plinthite nodules; strongly acid; gradual wavy boundary. (0 to more than 15 inches thick)

C--82 to 100 inches; variegated red (2.5YR 4/8), strong brown (7.5YR 5/8), brownish yellow (10YR 6/8) and gray (10YR 5/1) sandy clay loam; massive; friable; slightly sticky, slightly plastic; strongly acid.

TYPE LOCATION: Robeson County, North Carolina; 1.25 miles south of Parkton; 300 feet west of State Road 1724 and 60 feet south of farm road.

RANGE IN CHARACTERISTICS:

Thickness of the sandy surface and subsurface layers: 3 to 19 inches

Depth to top of the Argillic horizon: 3 to 19 inches

Depth to the base of the Argillic horizon: 60 to more than 80 inches

Depth to top of the Kandic horizon: 3 to 19 inches

Depth to bedrock: Greater than 80 inches

Depth to Seasonal High Water Table: 40 to 72 inches, January to March

Soil Reaction: Extremely acid to strongly acid, throughout except where limed

Rock Fragment Content: 0 to 5 percent, by volume throughout; mostly quartz pebbles or ironstone nodules

Plinthite Content: 0 to 4 percent to a depth of 60 inches and 0 to 10 percent or more below 60 inches

RANGE OF INDIVIDUAL HORIZONS:

Ap horizon or A horizon (where present):

Color--hue of 10YR or 2.5Y, value of 4 to 7, chroma of 1 to 4

Texture--loamy sand, sandy loam, fine sandy loam, or loamy fine sand. Some pedons are fine sand or sand.

E horizon:

Color--hue of 10YR or 2.5Y, value of 4 to 7, chroma of 2 to 6

Texture--loamy sand, sandy loam, fine sandy loam, or loamy fine sand. Some pedons are fine sand or sand.

BE horizon (where present):

Color--hue of 10YR or 2.5Y, value of 4 to 6, chroma of 3 to 8

Texture--sandy loam or fine sandy loam

Bt horizon (upper):

Color--hue of 7.5YR to 2.5Y, value of 5 to 8, chroma of 3 to 8

Texture--sandy loam, fine sandy loam, sandy clay loam, or clay loam

Redoximorphic features (where present)--masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of brown, yellow, or olive

Bt horizon (lower):

Color--hue of 7.5YR to 2.5Y, value of 5 to 8, chroma of 3 to 8

Texture--sandy loam, fine sandy loam, sandy clay loam, clay loam, sandy clay, or clay

Redoximorphic features--masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of brown, yellow, olive, or gray

BC horizon or BCt horizon (where present):

Color--hue of 5YR to 2.5Y, value of 4 to 7, chroma of 3 to 8, or variegated in shades of these colors

Texture--sandy loam, fine sandy loam, sandy clay loam, clay loam, sandy clay, or clay

Redoximorphic features--masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of brown, yellow, olive, or gray

C horizon:

Color--hue of 2.5YR to 5Y, value of 4 to 8, chroma of 3 to 8, or is variegated in shades of these colors

Texture--loamy coarse sand, loamy sand, loamy fine sand, coarse sandy loam, sandy loam, fine sandy loam, sandy clay loam, clay loam, or sandy clay. Some pedons have layers of coarser or finer textured materials.

Redoximorphic features--masses of oxidized in shades of red, yellow, or brown and iron depletions in shades of brown, yellow, olive, or gray

COMPETING SERIES:

[Orangeburg](#) soils--have hue of 5YR or redder throughout the Bt horizon

[Thursa](#) soils--have hue of 5YR or redder below the upper 10 inches of the Bt horizon

GEOGRAPHIC SETTING:

Landscape: Lower, middle, or upper coastal plain

Landform: Uplands or marine terraces

Geomorphic Component: Interfluve, side slopes

Hillslope Profile Position: Summits, shoulders, backslopes

Parent Material: Marine deposits or fluviomarine deposits

Elevation: 30 to 450 feet

Mean Annual Air Temperature: 57 to 70 degrees F.

Mean Annual Precipitation: 35 to 55 inches

Frost Free Period: 190 to 245 days

GEOGRAPHICALLY ASSOCIATED SOILS:

[Aycock](#) soils--are in a fine-silty family

[Bonneau](#) soils--have an arenic soil surface

[Butters](#) soils--are in a coarse-loamy family

[Caroline](#) soils--are in a fine family

[Craven](#) soils--are in a fine family

[Duplin](#) soils--are in a fine family

[Exum](#) soils--are in a fine-silty family

[Faceville](#) soils--are in a fine family

[Foreston](#) soils--are in a coarse-loamy family

[Goldsboro](#) soils--are moderately well drained

[Marlboro](#) soils--are in a fine family

[Noboco](#) soils--have siliceous mineralogy

[Lakeland](#) soils--are sandy throughout

[Lynchburg](#) soils--are somewhat poorly drained

[Rains](#) soils--are poorly drained soils

[Orangeburg](#) soils--have hue of 5YR or redder throughout the Bt horizon

[Pantego](#) soils--are very poorly drained soils

[Thursa](#) soils--have hue of 5YR or redder below the upper 10 inches of the Bt horizon

[Wagram](#) soils--have an arenic soil surface

DRAINAGE AND PERMEABILITY:

Depth Class: Very deep

Drainage Class (Agricultural): Well drained

Internal Free Water Occurrence: Deep, transitory or very deep

Index Surface Runoff: Negligible to medium

Permeability: Moderate (Saturated Hydraulic Conductivity: Moderately high)

USE AND VEGETATION:

Major Uses: Mostly cleared and used for general farm crops.

Dominant Vegetation: Where cultivated--corn, cotton, peanuts, tobacco, and soybeans. Where wooded--pines and mixed hardwoods.

DISTRIBUTION AND EXTENT:

Distribution: Alabama, Arkansas, Florida, Georgia, North Carolina, South Carolina, and Virginia

Extent: Large

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Raleigh, North Carolina

SERIES ESTABLISHED: Cecil County, Maryland; 1900.

REMARKS: The June, 1988 revision recognized the low activity clay properties of this soil as defined in the low activity clay amendment of Soil Taxonomy, August 1986. 10/2004, changed water table from 4.0-6.0 ft to 3.3-6.0 ft to cover depth that would be included in the typic subgroup versus associated soils in the Oxyaquic subgroup. Diagnostic horizons and features recognized in this pedon are:

Ochric epipedon--the zone from the surface to a depth of 14 inches (A and E horizons)

Kandic horizon--the zone between 14 and 70 inches (Bt horizon)

Argillic horizon--the zone between depths of 14 and 70 inches (Bt horizon)

ADDITIONAL DATA: (1) U.S. Department of Agriculture, Soil Survey Laboratory Data and Descriptions for Some Soils of Georgia, North and South Carolina. Soil Survey Investigations Report No. 16; SCS, in cooperation with Georgia, North Carolina, and South Carolina Agricultural Experiment Stations; Pages 65, 67, 69. (2) U.S. Department of Agriculture, Certain Properties of Selected Southeastern United States Soils and Mineralogical Procedures for Their Study, Southern Cooperative Series Bulletin 61 (S-14); Soil Conservation Service, Agricultural Research Service and cooperating Experiment Stations; tables 64, 67, 68. (3) U.S. Department of Agriculture, Selected Coastal Plain Soil Properties, Southern Cooperative Service and cooperating Experiment Stations; pages 40, 42, 44, 46.

TABULAR SERIES DATA:

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation
NC0037	NORFOLK	0-10	57-70	190-245	35-55	30-450

SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness
NC0037	NONE		3.3-6.0	APPARENT	JAN-MAR	>80	-

SOI-5	Depth	Texture	3-Inch	No-10	Clay%	-CEC-
NC0037	0-14	SL FSL	0-0	95-100	5-18	1-4
NC0037	0-14	LS LFS	0-0	92-100	2-8	1-3
NC0037	14-38	SL SCL CL	0-0	91-100	18-35	2-4
NC0037	38-70	SCL CL SC	0-0	98-100	20-43	2-5
NC0037	70-100	VAR	-	-	-	-

SOI-5	Depth	-pH-	0.M .	Salin	Permeab	Shnk-Swll
NC0037	0-14	3.5-5.5	0.5-2.0	0-0	2.0-6.0	LOW
NC0037	0-14	3.5-5.5	0.5-2.0	0-0	6.0-20	LOW
NC0037	14-38	3.5-5.5	0.0-0.5	0-0	0.6-2.0	LOW
NC0037	38-70	3.5-5.5	0.0-0.5	0-0	0.6-2.0	LOW
NC0037	70-100	-	-	-	-	-

National Cooperative Soil Survey
U.S.A.

Established Series
Rev. GRB
08/2005

OSIER SERIES

The Osier series consists of very deep, poorly drained, rapidly permeable soils on flood plains or low stream terraces. They formed in sandy alluvium. Near the type location, the mean annual temperature is about 67 degrees F, and the mean annual precipitation is about 46 inches. Slopes range from 0 to 2 percent.

TAXONOMIC CLASS: Siliceous, thermic Typic Psammaquents

TYPICAL PEDON: Osier loamy fine sand - forested. (Colors are for moist soil stated.)

A1--0 to 3 inches; very dark grayish brown (10YR 3/2) loamy fine sand; moderate fine granular structure; very friable; many fine and coarse roots; very strongly acid; abrupt wavy boundary.

A2--3 to 8 inches; mixed dark gray (10YR 4/1) and grayish brown (2.5Y 5/2) loamy sand; weak medium granular structure; very friable; common fine and coarse roots; thin strata of sand; very strongly acid; clear wavy boundary. (Combined thickness of the A horizons range from 2 to 20 inches.)

Cg1--8 to 16 inches; dark gray (10YR 4/1) loamy sand; weak fine granular structure; very friable; common fine roots; thin strata of gray (10YR 6/1) sand; very strongly acid; gradual wavy boundary.

Cg2--16 to 36 inches; gray (10YR 6/1) sand; single grained; loose; few fine roots; few fine distinct yellowish brown (10YR 5/6) masses of iron accumulation; very strongly acid; gradual wavy boundary.

Cg3--36 to 48 inches; light brownish gray (2.5Y 6/2) sand; single grained; loose; few fine roots; common coarse distinct brownish yellow (10YR 6/6) masses of iron accumulation; very strongly acid; gradual wavy boundary.

Cg4--48 to 60 inches; light gray (2.5Y 7/2) coarse sand; single grained; loose; few fine distinct yellowish brown (10YR 5/6) masses of iron accumulation; common medium faint light brownish gray (2.5Y 6/2) areas of iron depletions; very strongly acid; gradual wavy boundary.

Cg5--60 to 75 inches; dark gray (10YR 4/1) coarse sand; single grained; loose; many coarse faint light brownish gray (10YR 6/2) areas of iron depletions; very strongly acid.

TYPE LOCATION: Irwin County, Georgia. Approximately 4 miles south of Ocilla, Georgia, along U.S. Highway 129, about 2.3 miles southwest along county road, and about 250 feet east of road in wooded bottom area.

RANGE IN CHARACTERISTICS: Thickness of the sand is 80 inches, or more. Reaction ranges from extremely acid to moderately acid throughout the profile. The silt plus clay content of the 10 to 40 inch zone is 5 to 15 percent.

The A horizon has hue of 10YR or 2.5Y, value of 2 to 5, and chroma of 1 or 2. Where the value is 2 or 3, it is less than 10 inches thick. Texture is fine sandy loam, loamy fine sand, loamy sand, fine sand or sand.

The C horizon has hue of 7.5YR to 5GY, value of 3 to 8, and chroma of 1 or 2; or it is neutral with value of 5 to 7. Redoximorphic features in shades of brown, yellow, and gray range from none to common. Texture is loamy

fine sand, loamy sand, fine sand, sand; and in the lower Cg horizons, can include coarse sand. Most pedons have thin strata of material ranging from sand to sandy loam.

In some pedons, the C horizon is underlain or interrupted by an Ab horizon. It has hue of 10YR to 5Y, value of 2 or 3, and chroma of 1 or 2. Texture is fine sand, loamy fine sand, or loamy sand.

COMPETING SERIES: These include the [Duckston](#), [Solite](#), and [Totness](#) in the same family. Duckston and Solite soils have less than 5 percent silt plus clay in the control section. In addition, Solite soils formed in reworked homogenous sandy spoil. Totness soils have thick strata of loamy material in the profile.

GEOGRAPHIC SETTING: Osier soils are on flood plains, depressions, or rarely on stream terraces of the Coastal Plain. They formed in recent sandy alluvium. The climate is warm and humid. Slopes range from 0 to 2 percent. The average annual temperature ranges from 65 to 69 degrees F, and the average annual precipitation ranges from 43 to 49 inches.

GEOGRAPHICALLY ASSOCIATED SOILS: These include the [Albany](#), [Bibb](#), [Blanton](#), [Chipley](#), [Echaw](#), [Johnston](#), [Kershaw](#), [Lakeland](#), [Lynchburg](#), [Ochlockonee](#), [Ocilla](#), [Pactolus](#), [Paxville](#), [Pelham](#), [Pickney](#), [Plummer](#), [Rains](#), and [Rutlege](#) series. Albany, Blanton, Lynchburg, Ocilla, Paxville, Pelham, and Rains soils have argillic horizons. Bibb and Ochlockonee soils have more than 15 percent silt plus clay in the 10 to 40 inch control section. In addition, Ochlockonee soils are well drained. The somewhat poorly to moderately well drained Chipley soils are on higher adjacent uplands. The moderately well drained Echaw soils are on higher adjacent positions. The excessively drained Kershaw and Lakeland soils are on higher adjacent uplands. The very poorly drained Johnston, Pickney, and Rutlege soils are on lower positions and have umbric epipedons.

DRAINAGE AND PERMEABILITY: Poorly drained; rapid permeability.

USE AND VEGETATION: Most areas of Osier soil is in forest. The vegetation consists primarily of sweetgum, blackgum, water oak, red maple, swamp holly, bay, slash pine, and longleaf pine. The understory vegetation is mostly briars, vine, canes, myrtle, and gallberry.

DISTRIBUTION AND EXTENT: The Coastal Plain of Alabama, Delaware, Georgia, northern Florida, North Carolina, South Carolina, and Texas. The series is of moderate extent.

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Auburn, Alabama.

SERIES ESTABLISHED: Pitt County, North Carolina, 1969.

REMARKS: Diagnostic horizon recognized in this pedon:

Ochric epipedon - the zone from the surface to approximately 8 inches (A1 and A2 horizons).

The water table is within 12 inches of the surface for 3 to 6 months in most years. Osier soils are frequently flooded for brief periods.

Established Series
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WAGRAM SERIES

MLRA(s): 133A-Southern Coastal Plain

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Raleigh, North Carolina

Depth Class: Very deep

Drainage Class (Agricultural): Somewhat excessively drained

Internal Free Water Occurrence: Very deep

Index Surface Runoff: Negligible to medium

Permeability: Moderate

Landscape: Upper and middle coastal plain

Landform: Uplands

Geomorphic Component: Interfluves, side slopes

Hillslope Profile Position: Summit, shoulder, backslope

Parent Material: Fluvio-marine deposits and marine deposits

Slope: 0 to 15 percent

Elevation (type location): Unknown

Mean Annual Air Temperature (type location): 62 degrees F.

Mean Annual Precipitation (type location): 49 inches

TAXONOMIC CLASS: Loamy, kaolinitic, thermic Arenic Kandiudults

TYPICAL PEDON: Wagram loamy sand--in a cultivated field. (Colors are for moist soils, unless otherwise stated.)

Ap--0 to 8 inches; grayish brown (10YR 5/2) loamy sand, light brownish gray (10YR 6/2) dry; single grain; loose, nonsticky, nonplastic; moderately acid; abrupt smooth boundary. (1 to 10 inches thick)

E--8 to 24 inches; pale brown (10YR 6/3) loamy sand; single grain; loose, nonsticky, nonplastic; few lenses of sandy loam; strongly acid; gradual wavy boundary. (10 to 35 inches thick)

Bt1--24 to 27 inches; yellowish brown (10YR 5/6) sandy loam; few fine distinct grayish brown (10YR 5/2) mottles; weak medium subangular blocky structure; friable, nonsticky, nonplastic; few penetrations of loamy sand E material in old root channels; few areas are brittle; strongly acid; clear wavy boundary. (0 to 6 inches thick)

Bt2--27 to 38 inches; yellowish brown (10YR 5/8) sandy clay loam; weak medium subangular blocky structure; friable, slightly sticky, slightly plastic; few faint clay films in pores and on faces of peds; strongly acid; gradual wavy boundary.

Bt3--38 to 52 inches; yellowish brown (10YR 5/8) sandy clay loam; common medium distinct yellowish red (5YR 5/8) mottles; weak medium and coarse subangular blocky structure; friable, slightly sticky, slightly plastic; few faint clay films on faces of peds; common clean grains of coarse sand; strongly acid; gradual wavy boundary.

Bt4--52 to 75 inches; yellowish brown (10YR 5/6) sandy clay loam; few medium distinct yellowish red (5YR 5/8) masses of oxidized iron and few medium faint pale brown (10YR 6/3) iron depletions; weak medium and

coarse subangular blocky structure; friable slightly sticky, slightly plastic; strongly acid; gradual irregular boundary. (Combined thickness of the Bt horizon is 21 to 60 inches or more.)

BC--75 to 82 inches; yellowish brown (10YR 5/6) sandy loam; massive; friable, nonsticky, nonplastic; few lenses or pockets of sandy clay loam; many medium and coarse prominent gray (10YR 6/1) iron depletions; some gray areas contain very coarse sand grains; very strongly acid.

TYPE LOCATION: Scotland County, North Carolina; 4.2 miles north of Laurinburg on U.S. 501, 0.2 mile north of Five-Points and 75 feet west of highway.

RANGE IN CHARACTERISTICS:

Depth to bedrock: Greater than 80 inches

Thickness of the sandy surface and subsurface layers: 20 to 39 inches

Depth to top of the argillic horizon: 20 to 39 inches

Depth to the base of the Argillic horizon: 60 to 80 inches

Depth to top of the Kandic horizon: 20 to 39 inches

Depth to seasonal high water table: Greater than 60 inches

Rock Fragment content: 0 to 5 percent, by volume; mostly quartz pebbles or ironstone fragments

Other features--0 to less than 5 percent plinthite, by volume, in the lower part of the Bt horizon, and below 60 inches 0 to 15 percent

Soil Reaction: Extremely acid to strongly acid, unless limed

RANGE OF INDIVIDUAL HORIZONS:

Ap or A horizon (where present):

Color--hue of 10YR or 2.5Y, value of 3 to 6, chroma of 1 to 4, or is neutral with value of 3 to 6

Texture--sand, fine sand, loamy sand, or loamy fine sand

E horizon:

Color--hue of 10YR or 2.5Y, value of 5 to 7, chroma of 2 to 4, or is neutral with value of 4 to 8

Texture--sand, fine sand, loamy sand, or loamy fine sand

Bt horizon:

Color--hue of 7.5YR to 2.5Y, value of 5 or 6, chroma of 4 to 8

Texture--sandy loam or sandy clay loam

Mottles (where present)--shades of red, brown, or yellow

Redoximorphic features (where present)--masses of oxidized iron in shades of red, brown, or yellow and iron depletions in shades of brown, yellow, olive, or gray. Depletions with chroma of 2 or less are below a depth of 60 inches.

BC horizon or BCt horizon (where present):

Color--hue of 7.5YR to 2.5Y, value of 5 to 7, chroma of 3 to 8, or is variegated in shades of these colors

Texture--sandy loam, loam, sandy clay loam, or clay loam

Redoximorphic features (where present)--masses of oxidized iron in shades of red, brown, or yellow and iron depletions in shades of brown, yellow, olive, or gray. Depletions with chroma of 2 or less are below a depth of 60 inches.

COMPETING SERIES:

[Lucy](#) soils--have Bt horizons with hue of 5YR or redder

GEOGRAPHIC SETTING:

Landscape: Upper and middle coastal plain

Landform: Uplands

Geomorphic Component: Interfluves, side slopes

Hillslope Profile Position: Summit, shoulder, backslope

Parent Material: Fluvio-marine deposits and marine deposits

Slope: 0 to 15 percent
Elevation: 30 to 300 feet
Mean Annual Air Temperature: 57 to 70 degrees
Mean Annual Precipitation: 35 to 55 inches
Frost Free Period: 195 to 245 days

GEOGRAPHICALLY ASSOCIATED SOILS:

[Blanton](#) soils--have sandy A horizons more than 40 inches thick
[Bonneau](#) soils--have seasonal high water table at a depth of 40 to 60 inches
[Goldsboro](#) soils--have thinner A horizons and are more poorly drained
[Lucy](#) soils--have Bt horizons with hue of 5YR or redder
[Lynchburg](#) soils--have thinner A horizons and are more poorly drained
[Norfolk](#) soils--have sandy surface layers less than 20 inches thick
[Ocilla](#) soils--are somewhat poorly drained
[Pocalla](#) soils--have a bisequal profile
[Rains](#) soils--have thinner A horizons and are more poorly drained
[Troup](#) soils--have sandy A horizons more than 40 inches thick

DRAINAGE AND PERMEABILITY:

Depth Class: Very deep
Drainage Class (Agricultural): Somewhat excessively drained
Internal Free Water Occurrence: Very deep
Index Surface Runoff: Negligible to medium
Permeability: Moderate

USE AND VEGETATION:

Major Uses: Cropland
Dominant Vegetation: Where cultivated--tobacco, cotton, corn, and small grains. Where wooded--loblolly and longleaf pine, white oak, red oak, turkey oak, and post oak; hickory, holly, and dogwood.

DISTRIBUTION AND EXTENT:

Distribution: North Carolina, South Carolina, Georgia, Florida, Alabama
Extent: Large

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Raleigh, North Carolina

SERIES ESTABLISHED: Scotland County, North Carolina; 1965

REMARKS: This revision recognizes the low activity clay properties of this soil as defined in the Low Activity Clay Amendment to Soil Taxonomy, August 1986. This series includes soils previously classified as thick surface phases of the Norfolk series and some previously classified as moderately shallow phases of the Lakeland series. Diagnostic horizons and soil characteristics recognized in this pedon:
Ochric epipedon--the zone from the surface to a depth of 24 inches (A, E horizons)
Arenic features--the zone from the surface to a depth of 24 inches (A, E horizons)
Argillic horizon--the zone between 24 and 75 inches (Bt horizons)
Kandic horizon--the zone between 24 and 75 inches has low activity clay in more than 50 percent of the upper 40 inches of the horizon (Bt horizon)

ADDITIONAL DATA:

Characterization samples were analyzed and are available from NRCS-Soil Survey Laboratory, Lincoln, NE; pedon numbers--S81NC101003, S00NC101001, S99GA103039

TABULAR SERIES DATA:

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation
NC0042	WAGRAM	0-15	57-70	195-245	35-55	30-300

SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness
NC0042	NONE		>5.0	-	-	>80	-

SOI-5	Depth	Texture	3-Inch	No-10	Clay%	-CEC-
NC0042	0-24	LS LFS	0-0	98-100	2-10	1-3
NC0042	0-24	FS S	0-0	90-100	1-7	1-3
NC0042	24-75	SCL SL	0-0	98-100	10-35	1-4

SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll
NC0042	0-24	3.5- 5.5	0.5-2.0	0-0	6.0-20	LOW
NC0042	0-24	3.5- 5.5	0.5-2.0	0-0	6.0-20	LOW
NC0042	24-75	3.5- 5.5	0.0-0.5	0-0	0.6-2.0	LOW

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Rev. RM:AG
07/2007

WEHADKEE SERIES

The Wehadkee series consists of very deep, poorly drained and very poorly drained soils on flood plains along streams that drain from the mountains and piedmont. They are formed in loamy sediments. Slopes range from 0 to 2 percent. Near the type location, mean annual precipitation is about 48 inches, and mean annual temperature is about 60 degrees F.

TAXONOMIC CLASS: Fine-loamy, mixed, active, nonacid, thermic Fluvaquentic Endoaquepts

TYPICAL PEDON: Wehadkee fine sandy loam -- cultivated (Colors are for moist soil unless otherwise stated.)

Ap--0 to 8 inches; grayish brown (10YR 5/2) fine sandy loam; weak medium granular structure; very friable; few flakes of mica; moderately acid; abrupt smooth boundary. (6 to 14 inches thick)

Bg1--8 to 17 inches; dark gray (10YR 4/1) loam; common medium prominent strong brown (7.5YR 5/6) soft masses of iron accumulation; weak fine and medium subangular blocky structure; friable; few flakes of mica; moderately acid; clear smooth boundary. (8 to 20 inches thick)

Bg2--17 to 40 inches; gray (10YR 6/1) sandy clay loam; common medium prominent strong brown (7.5YR 5/6) soft masses of iron accumulation; weak medium subangular blocky structure; friable; common flakes of mica; moderately acid; clear smooth boundary. (0 to 30 inches thick)

Cg--40 to 50 inches; gray (10YR 6/1) sandy loam; common medium faint grayish brown (10YR 5/2) iron depletions and prominent strong brown (7.5YR 5/6) soft masses of iron accumulation; massive; friable; common flakes of mica; moderately acid.

TYPE LOCATION: Catawba County, North Carolina; 1/2 mile south of Witherspoon Crossroads on SR 1801, 3/4 mile east on SR 1807, and 650 feet north of bridge on Hogan Creek.

RANGE IN CHARACTERISTICS: Solum thickness ranges from about 20 to more than 60 inches. The content of mica flakes ranges from few to many. The soil ranges from very strongly acid through neutral, but some part of the 10 to 40 inch control section is moderately acid through neutral. Content of rock fragments ranges from 0 to 5 percent by volume in the A and B horizons, and from 0 to 20 percent by volume in the C horizons. Fragments are dominantly pebbles in size.

The Ap or A horizon has hue of 10YR or 2.5Y or is neutral, value of 3 to 6, and chroma of 0 to 4. Some pedons have soft masses of iron accumulation in shades of brown or red. Texture is fine sandy loam, very fine sandy loam, loam, silty clay loam, sandy loam, or silt loam. Some pedons have recent layers of overwash as much as 20 inches thick that are loamy and variable in color. Many pedons have an Ab horizon that has the same color and texture range as the A horizon.

The Bg horizon has hue of 10YR to 5Y or is neutral, value of 4 to 6, and chroma of 0 to 2. Soft masses of iron accumulation are in shades of red, yellow, and brown. Texture is sandy clay loam, silt loam, loam, clay loam, or silty clay loam.

The Cg horizon has hue of 10YR to 5Y or is neutral, value of 4 to 7, and chroma of 0 to 2. Soft masses of iron accumulation are in shades of brown, red, and yellow. Texture is commonly sandy loam, loam, or silt loam, but

in some pedons the Cg horizon contains stratified layers of sandy clay loam, clay loam, silty clay loam, loamy sand, sand, and gravel. Sandy textures are restricted to depths below 40 inches.

COMPETING SERIES: There are no other known series in this family. Series in closely related families are [Bibb](#), [Chastain](#), [Chewacla](#), [Chowan](#), Englehard, [Hatboro](#), [Kinston](#), [Lee](#), [Mantachie](#), [Mhoon](#), [Muckalee](#), [Rosebloom](#), and [Una](#) series. Bibb and Muckalee soils are coarse-loamy with siliceous mineralogy. Bibb soils have reaction of strongly acid or more acid throughout the control section. Chastain and Una soils are clayey and reaction is strongly acid or more acid throughout the control section. Chewacla soils have dominant chroma of more than 2 in the upper 20 inches of the soil. Chewacla soils are Fluvaquentic Dystrochrepts. Chowan, Mhoon, and Rosebloom soils are fine-silty. The subgroup for Chowan is Thapto-Histic. Englehard soils are coarse-silty and their subgroup is Humaqueptic. Hatboro soils are mesic. Kinston and Lee soils have siliceous mineralogy and reaction is strongly acid or more acid throughout the control section. Mantachie soils have siliceous mineralogy and reaction is strongly acid or more acid throughout the control section.

GEOGRAPHIC SETTING: Wehadkee soils occur on flood plains, along streams that drain from the mountains and piedmont. Slopes are generally less than 2 percent. Wehadkee soils formed in loamy sediments washed from soils that formed from schist, gneiss, granite, phyllite, and other metamorphic and igneous rocks. Mean annual precipitation is about 48 inches near the type location and mean annual temperature is about 60 degrees F. Mean annual precipitation ranges from 37 to 69 inches, and mean annual air temperature ranges from 58 to 68 degrees F.

GEOGRAPHICALLY ASSOCIATED SOILS: These are the competing [Chewacla](#) series and [Altavista](#), [Augusta](#), [Buncombe](#), [Congaree](#), [Riverview](#), [Roanoke](#), [State](#), and [Wickham](#) series. Altavista, Augusta, Roanoke, State, and Wickham soils are on terraces and have argillic horizons. Buncombe soils are on flood plains typically beside stream channels and are sandy and excessively drained. Chewacla soils are on flood plain positions that are higher or nearer to stream channels and are somewhat poorly drained. Congaree and Riverview soils are on flood plains adjacent or near stream channels and are better drained.

DRAINAGE AND PERMEABILITY: Poorly drained and very poorly drained. Runoff is very slow and internal drainage is very slow. Permeability is moderate. Most areas are frequently flooded.

USE AND VEGETATION: Most of the area is in forest; chiefly water tolerant hardwoods such as sweetgum, blackgum, water oak, willow, oak, poplar, hickories, beech, and elm. Drained areas are used for pasture, corn, and hay.

DISTRIBUTION AND EXTENT: Alabama, Arkansas, Florida, Georgia, Mississippi, North Carolina, South Carolina, Tennessee, and Virginia. The soil is of moderate extent.

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Raleigh, North Carolina

SERIES ESTABLISHED: Johnston County, North Carolina; 1911.

REMARKS: Diagnostic horizons and features recognized in this pedon are:

Ochric epipedon - The zone from 0 to 8 inches (Ap horizon)

Irregular decrease in organic carbon with depth

Aquic conditions - redoximorphic features associated with wetness in the zone from 8 to 50 inches (Bg1, Bg2, and Cg horizons)

MLRA = 133A, 133B, 136, 153A, 153B

REVISED = 10/2000 KSL

ADDITIONAL DATA:

SOI-5 Soil Name Slope Airtemp FrFr/Seas Precip Elevation

NC0052 WEHADKEE 0- 2 58- 68 185-250 37- 69 5- 700

NC0233 WEHADKEE 0- 2 58- 68 185-250 37- 69 5- 700

SOI-5 FloodL FloodH Watertable Kind Months Bedrock Hardness

NC0052 COMMON 0-1.0 APPARENT NOV-MAY 60-60

NC0233 COMMON - APPARENT - 60-60

SOI-5 Depth Texture 3-Inch No-10 Clay% -CEC-

NC0052 0- 8 FSL L SL 0- 0 95-100 5-20 5- 20

NC0052 0- 8 SIL SICL 0- 0 98-100 6-40 5- 35

NC0052 8-40 SICL L SCL 0- 0 99-100 18-35 5- 25

NC0052 40-50 VAR - - - -

NC0233 0- 8 FSL L SL 0- 0 95-100 5-20 3- 9

NC0233 0- 8 SIL SICL 0- 0 95-100 6-40 3- 12

NC0233 8-40 SIL SICL VFSL 0- 0 95-100 18-35 4- 9

NC0233 40-50 VAR - - - -

SOI-5 Depth -pH- O.M. Salin Permeab Shnk-Swll

NC0052 0- 8 4.5- 6.5 2.-5. 0- 0 2.0- 6.0 LOW

NC0052 0- 8 4.5- 6.5 2.-5. 0- 0 0.6- 2.0 LOW

NC0052 8-40 4.5- 6.5 0.-2. 0- 0 0.6- 2.0 LOW

NC0052 40-50 - - - -

NC0233 0- 8 4.5- 6.5 2.-5. 0- 0 2.0- 6.0 LOW

NC0233 0- 8 4.5- 6.5 2.-5. 0- 0 0.6- 2.0 LOW

NC0233 8-40 4.5- 6.5 0.-2. 0- 0 0.6- 2.0 LOW

NC0233 40-50 - - - -

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JOHNSTON SERIES

MLRA(s): 133A-Southern Coastal Plain, 153A-Atlantic Coast Flatwoods, 153B-Tidewater Area
MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Raleigh, North Carolina

Depth Class: Very deep

Drainage Class (Agricultural): Very poorly drained

Flooding Frequency and Duration: Frequent or occasional for very brief to long periods

Ponding Frequency and Duration: None

Internal Free Water Occurrence: Shallow, common

Permeability: Moderately rapid

Landscape: Lower to upper coastal plain

Landform: Flood plain, swamp

Geomorphic Component: Tread

Parent Material: Alluvium

Slope: 0 to 2 percent

Elevation (type location): Unknown

Mean Annual Air Temperature (type location): 63 degrees F.

Mean Annual Precipitation (type location): 46 inches

TAXONOMIC CLASS: Coarse-loamy, siliceous, active, acid, thermic Cumulic Humaquepts

TYPICAL PEDON: Johnston mucky loam--forested. (Colors are for moist soil unless otherwise stated.)

A--0 to 30 inches; black (10YR 2/1) mucky loam; massive; friable; very strongly acid; abrupt smooth boundary. (24 to 48 inches thick)

Cg1--30 to 34 inches; dark gray (10YR 4/1) loamy fine sand; single grained; loose; very strongly acid; abrupt smooth boundary.

Cg2--34 to 60 inches; gray (10YR 5/1) fine sandy loam; lenses and pockets of loamy sand and sand; massive; very friable; dark colored loam in old root channels; very strongly acid.

TYPE LOCATION: Scotland County, North Carolina; 3 miles south of Wagram; 50 feet west of Shoe Heel Creek; 1.5 miles north of Lee's pond; 25 feet south of a paved road.

RANGE IN CHARACTERISTICS:

Depth to Bedrock: Greater than 80 inches

Depth to Seasonal High Water Table: 0 to 12 inches, November to May

Rock fragment content: Below 40 inches, 0 to 35 percent, by volume, mostly rounded quartz gravel

Soil Reaction: Extremely acid to strongly acid

Other Features: Some pedons have a few inches of recent alluvium deposited over the dark colored A horizon or thin (less than 8 inches thick) organic layers.

RANGE OF INDIVIDUAL HORIZONS:

Oa horizon (where present):

Color--hue of 10YR, value of 2 or 3, chroma of 1 or 2, hue of 2.5Y, value of 2.5 or 3, chroma of 1 or 2, or is

neutral with value of 2.5 or 3
Texture--muck

A horizon:

Color--hue of 10YR, value of 2 or 3, chroma of 1 or 2, hue of 2.5Y or 5Y, value of 2.5 or 3, chroma of 1 or 2, or is neutral with value of 2.5 or 3

Texture (fine-earth fraction)--coarse sandy loam, sandy loam, fine sandy loam, or loam and may include the mucky texture modifier.

Redoximorphic features (where present)--masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of gray

Other features--Organic matter content of the A horizon ranges from 3 to about 20 percent

Cg horizon:

Color--hue of 10YR to 5Y, value of 4 to 8, chroma of 1 to 2, or is neutral with value of 4 to 7

Texture (fine-earth fraction)--coarse sand, sand, fine sand, loamy coarse sand, loamy sand, loamy fine sand, coarse sandy loam, sandy loam, fine sandy loam, or loam. Some pedons have thin strata of sandy clay loam.

Redoximorphic features (where present)--masses of oxidized iron in shades of red, yellow, or brown and iron depletions in shades of gray

COMPETING SERIES:

There are no other known series in this family.

GEOGRAPHIC SETTING:

Landscape: Lower to upper coastal plain

Landform: Flood plain, swamp

Geomorphic Component: Tread

Parent Material: Alluvium

Elevation: 20 to 450 feet

Mean Annual Air Temperature: 59 to 70 degrees F.

Mean Annual Precipitation: 38 to 52 inches

Frost Free Period: 190 to 245 days

GEOGRAPHICALLY ASSOCIATED SOILS:

[Bibb](#) soils--poorly drained, on similar landforms

[Johns](#) soils--somewhat poorly drained, on adjacent stream terraces

[Kalmia](#) soils--well drained, on adjacent stream terraces

[Kenansville](#) soils--well drained, on adjacent stream terraces

[Kinston](#) soils--poorly drained, on similar landforms

[Lumbee](#) soils--poorly drained, on adjacent stream terraces

[Murville](#) soils--have spodic materials

[Osier](#) soils--poorly drained, on adjacent stream terraces

[Pamlico](#) soils--organic soils

[Paxville](#) soils--have a fine-loamy particle-size control section, on adjacent stream terraces and drainageways

[Pocomoke](#) soils--have thicker surface layers, on adjacent stream terraces and drainageways

[Rutlege](#) soils--have a sandy particle-size control section, on similar landforms

[Torhunta](#) soils--have an umbric horizon, on similar landforms

DRAINAGE AND PERMEABILITY:

Depth Class: Very deep

Drainage Class (Agricultural): Very poorly drained

Internal Free Water Occurrence: Shallow, common

Flooding Frequency and Duration: Frequent or occasional for very brief to long periods

Ponding Frequency and Duration: None

Permeability: Moderately rapid

USE AND VEGETATION:

Major Uses: Woodland

Dominant Vegetation: Where wooded--water tupelo, swamp tupelo, sweetgum, yellow poplar, green ash, water oak, and baldcypress. Also, loblolly pine grows in areas that have been drained. Understory plants include inkberry (bitter gallberry), American holly, greenbrier, switchcane, blueberry, honeysuckle, and poison ivy. Where cultivated--corn, soybeans, and pasture.

DISTRIBUTION AND EXTENT:

Distribution: South Atlantic and Gulf Coastal Plain in Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, and Virginia

Extent: Moderate

MLRA SOIL SURVEY REGIONAL OFFICE (MO) RESPONSIBLE: Raleigh, North Carolina

SERIES ESTABLISHED: Johnston County, North Carolina; 1911.

REMARKS: Diagnostic horizons and features recognized in this pedon are:

Umbric epipedon--the zone from the surface to a depth of 30 inches (A horizon)

ADDITIONAL DATA:**TABULAR SERIES DATA:**

SOI-5	Soil Name	Slope	Airtemp	FrFr/Seas	Precip	Elevation
NC0043	JOHNSTON	0-2	57-70	190-245	38-52	20-450

SOI-5	FloodL	FloodH	Watertable	Kind	Months	Bedrock	Hardness
NC0043	COMMON		0-1.0	APPARENT	NOV-MAY	>80	-

SOI-5	Depth	Texture	3-Inch	No-10	Clay%	-CEC-
NC0043	0-30	MK-L	0-0	100-100	7-18	9-22
NC0043	0-30	L SL FSL	0-0	100-100	5-18	4-12
NC0043	30-34	SR LS S	0-0	100-100	2-12	1-5
NC0043	34-60	SR FSL SL	0-0	100-100	5-20	1-6

SOI-5	Depth	-pH-	O.M.	Salin	Permeab	Shnk-Swll
NC0043	0-30	3.5- 5.5	8.0-15	0-0	2.0-6.0	LOW
NC0043	0-30	3.5- 5.5	3.0-8.0	0-0	2.0-6.0	LOW
NC0043	30-34	3.5- 5.5	0.5-3.0	0-0	6.0-20	LOW
NC0043	34-60	3.5- 5.5	0.0-2.0	0-0	6.0-20	LOW

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APPENDIX C: REGULATORY DATABASE REPORT



DATABASE REPORT

Project Property:	<i>Churchill Apartments 1117 June Lane FLORENCE SC 29506</i>
Project No:	<i>24-458664.3</i>
Report Type:	<i>Database Report</i>
Order No:	<i>25061100519</i>
Requested by:	<i>Partner Engineering and Science, Inc.</i>
Date Completed:	<i>June 12, 2025</i>

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Executive Summary

Property Information:

Project Property: *Churchill Apartments
1117 June Lane FLORENCE SC 29506*

Project No: *24-458664.3*

Coordinates:

Latitude:	<i>34.1758785</i>
Longitude:	<i>-79.7599034</i>
UTM Northing:	<i>3,782,403.63</i>
UTM Easting:	<i>614,328.56</i>
UTM Zone:	<i>17S</i>

Elevation: *111 FT*

Order Information:

Order No: *25061100519*

Date Requested: *June 11, 2025*

Requested by: *Partner Engineering and Science, Inc.*

Report Type: *Database Report*

Historicals/Products:

Aerial Photographs	<i>Historical Aerials (with Project Boundaries)</i>
City Directory Search	<i>Smart CD Search</i>
ERIS Xplorer	<i>ERIS Xplorer</i>
Excel Add-On	<i>Excel Add-On</i>
Fire Insurance Maps	<i>US Fire Insurance Maps</i>
Physical Setting Report (PSR)	<i>Physical Setting Report (PSR)</i>
Topographic Map	<i>Topographic Maps</i>
Vapor Screening Tool	<i>Vapor Screening Tool</i>

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<u>Standard Environmental Records</u>								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	1	0	-	-	1
RCRA VSQG	Y	0.25	0	1	1	-	-	2
RCRA NON GEN	Y	0.25	0	1	0	-	-	1
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0

State

REMEDATION	Y	1	0	1	0	0	0	1
SWF/LF	Y	0.5	0	0	0	0	-	0
SASPL	Y	0.5	0	2	0	2	1	5
DELISTED SHWS	Y	1	0	0	0	0	0	0
LUST	Y	0.5	0	2	2	7	-	11
LAST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	3	0	3	-	6
UST	Y	0.25	0	2	4	-	-	6
AST	Y	0.25	0	0	0	-	-	0
AST SFM	Y	0.25	0	0	0	-	-	0
DELISTED TANKS	Y	0.25	0	0	0	-	-	0
RCR	Y	0.5	0	0	0	1	-	1
VCP	Y	0.5	0	2	0	0	1	3
BROWNFIELDS	Y	0.5	0	1	0	0	1	2

Tribal

INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

County

No County standard environmental record sources available for this State.

Additional Environmental Records

Federal

PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	4	-	-	-	4
TRIS	Y	PO	0	1	-	-	-	1

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	1	-	-	-	1
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	1	1	2
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	2	-	-	-	2
SSTS	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
POWER PLANTS	Y	0.125	0	0	-	-	-	0
HIST RISK	Y	0.125	0	0	-	-	-	0

State

SPILLS	Y	0.125	0	0	-	-	-	0
DRYCLEAN FUND	Y	0.5	0	0	0	1	-	1
DRY CLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
AIR PERMIT	Y	0.25	0	0	0	-	-	0
UIC	Y	PO	0	1	-	-	-	1
AGRI FAC	Y	0.25	0	0	0	-	-	0
PFAS SAMPLING	Y	0.5	0	0	0	0	-	0

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total:	0	25	7	15	4	51
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* PO – Property Only

* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA NON GEN	FLAVORICH INC GARAGE	1100 S CHURCH STREET FLORENCE SC 29504	W	0.01 / 62.95	2	26
			Handler ID / Recycler Activity?: SCD982107799 NO				
1	RCRA VSQG	PENSKE TRUCK LEASING	1100 SOUTH CHURCH ST FLORENCE SC 29506	W	0.01 / 62.95	2	28
			Handler ID / Recycler Activity?: SCR000002808 NO				
1	FINDS/FRS	PENSKE TRUCK LEASING	1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339	W	0.01 / 62.95	2	31
			Registry ID: 110002251786				
1	FINDS/FRS	PET DAIRY	1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339	W	0.01 / 62.95	2	31
			Registry ID: 110002100574				
1	SASPL	LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST, FLORENCE SC 29506 SC	W	0.01 / 62.95	2	32
1	UST	PET DAIRY	1100 S CHURCH ST FLORENCE SC 29506	W	0.01 / 62.95	2	32
			Site No: 3371 Tank No / Status: 1 Abandoned, 3 Abandoned, 4 Abandoned, 5 Abandoned, 2 Abandoned				
1	LUST	PET DAIRY	1100 S CHURCH ST FLORENCE SC 29506	W	0.01 / 62.95	2	35
			Permit: N 03371 NFA: 11/18/1993				
1	DELISTED LST	PET DAIRY	1100 S CHURCH ST FLORENCE SC	W	0.01 / 62.95	2	36
1	TRIS	PET DAIRY	1100 S CHURCH ST FLORENCE SC 29504	W	0.01 / 62.95	2	37
1	BROWNFIELDS	LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST, FLORENCE, SC, 29506, US SC	W	0.01 / 62.95	2	44
1	VCP	LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST FLORENCE SC 29506	W	0.01 / 62.95	2	45
1	DELISTED LST	PET DAIRY	1100 S CHURCH ST FLORENCE SC	W	0.01 / 62.95	2	45

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	AFS	PET DAIRY	1100 S CHURCH ST FLORENCE SC 29504	W	0.01 / 62.95	2	46
2	FINDS/FRS	RENTAL UNIFORM SERVICE	906 SOUTH CHURCH STREET FLORENCE SC 29506-3334 Registry ID: 110012164861	N	0.01 / 79.16	9	49
2	SASPL	RENTAL UNIFORM SERVICE	906 S CHURCH ST, FLORENCE SC 29504 SC	N	0.01 / 79.16	9	49
2	UST	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504 Site No: 14312 Tank No / Status: 2 Abandoned, 1 Abandoned, 3 Abandoned, 4 Abandoned	N	0.01 / 79.16	9	49
2	LUST	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504 Permit: N 14312 NFA: 10/25/1993	N	0.01 / 79.16	9	52
2	RCRA SQG	RUSF LLC	906 SOUTH CHURCH ST FLORENCE SC 29506 Handler ID / Recycler Activity?: SCR000781724 NO	N	0.01 / 79.16	9	53
2	ICIS	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504 Registry ID: 110012164861	N	0.01 / 79.16	9	56
2	FINDS/FRS	RUSF LLC	906 SOUTH CHURCH ST FLORENCE SC 29506 Registry ID: 110066987096	N	0.01 / 79.16	9	56
2	VCP	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.01 / 79.16	9	57
2	REMEDIATION	Rental Uniform Service - Florence Site	906 South Church Street Florence SC	N	0.01 / 79.16	9	57
2	DELISTED LST	RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC	N	0.01 / 79.16	9	57
2	UIC	RUSF LLC	906 S CHURCH ST, FLORENCE, SC, 29504, US SC Permit No: SCHE03020585	N	0.01 / 79.16	9	58
2	AFS	RENTAL UNIFORM SERVICES:FLORENCE	906 S CHURCH ST FLORENCE SC 29506	N	0.01 / 79.16	9	58

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
3	RCRA VSQG	GAYMON MOTORS	131 S OAK RD FLORENCE SC 29505 <i>Handler ID Recycler Activity?:</i> SC0000094581 NO	N	0.13 / 699.49	20	61
4	UST	SCDMR PEE DEE	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230 <i>Site No:</i> 14299 <i>Tank No Status:</i> 1 Abandoned	NE	0.15 / 812.30	12	64
4	UST	SCMDMR	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230 <i>Site No:</i> 3213 <i>Tank No Status:</i> 1 Abandoned, 2 Abandoned	NE	0.15 / 812.30	12	65
4	LUST	SCDMR PEE DEE	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230 <i>Permit:</i> N 14299 <i>NFA:</i> 2/18/1997, 7/20/1995	NE	0.15 / 812.30	12	67
5	UST	B & P MART	210 NATIONAL CEMETERY RD FLORENCE SC 29506 <i>Site No:</i> 9991 <i>Tank No Status:</i> 2 Currently in Use, 5 Currently in Use, 4 Extended Out-of-Use, 1 Currently in Use, 3 Currently in Use	NNW	0.25 / 1,308.32	19	68
5	LUST	B & P MART	210 NATIONAL CEMETERY RD FLORENCE SC 29506 <i>Permit:</i> P 09991 <i>NFA:</i> 8/30/2013, 7/25/2013	NNW	0.25 / 1,308.32	19	71
6	UST	FOUR WAY STOP/KNC GROCERY	712 S CHURCH ST FLORENCE SC 29501 <i>Site No:</i> 19112 <i>Tank No Status:</i> 1 Currently in Use, 2 Extended Out-of-Use	N	0.25 / 1,310.09	19	73
7	LUST	NEWSOME CHEVROLET INC	991 S IRBY ST FLORENCE SC 29504 <i>Permit:</i> N 03285	W	0.27 / 1,440.66	-18	74
8	LUST	R & R2	1360 S IRBY ST FLORENCE SC 29505-2756 <i>Permit:</i> R 03577	SSW	0.36 / 1,890.35	1	76
9	LUST	SAV A TON 84	1403 S IRBY ST FLORENCE SC 29505-2759 <i>Permit:</i> R 03539	SSW	0.38 / 1,989.71	3	77
10	SASPL	FLORENCE REGIONAL WASTEWATER MANAGEMENT FACILITY	1000 STOCKADE DR, FLORENCE SC 29506-344 SC	NE	0.38 / 2,021.19	-14	78
10	LUST	FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC 29501 <i>Permit:</i> N 16518 <i>NFA:</i> 7/19/1999	NE	0.38 / 2,021.19	-14	78
11	DELISTED LST	CAMLIN MEAT PACKING COMPANY	111 PAMPLICO FLORENCE SC	SSW	0.41 / 2,143.23	3	79

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>12</u>	DELISTED LST	FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC	ESE	0.43 / 2,282.66	-18	<u>80</u>
<u>12</u>	DELISTED LST	FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC	ESE	0.43 / 2,282.66	-18	<u>81</u>
<u>13</u>	LUST	EMS STATION	727 S DARGAN ST FLORENCE SC 29501 <i>Permit: N 11742</i> <i>NFA: 5/15/2001</i>	NNW	0.44 / 2,302.21	17	<u>81</u>
<u>14</u>	SASPL	ONE HOUR MARTINIZING COMPANY NO 1	832 S IRBY ST, FLORENCE SC 29501 SC	NW	0.44 / 2,347.28	19	<u>82</u>
<u>14</u>	DRYCLEAN FUND	ONE HOUR MARTINIZING COMPANY NO 1	832 S IRBY ST; FLORENCE SC	NW	0.44 / 2,347.28	19	<u>83</u>
<u>15</u>	FUDS	FLORENCE POW CAMP	FLORENCE SC <i>FUDS Property No: I04SC1006</i>	NW	0.47 / 2,498.12	18	<u>83</u>
<u>16</u>	LUST	KENS CORNER 3	800 S IRBY ST FLORENCE SC 29501-5237 <i>Permit: R 03553</i>	NW	0.49 / 2,577.96	19	<u>83</u>
<u>17</u>	LUST	COLES CROSSROADS TEXACO	1420 IRBY ST FLORENCE SC 29501 <i>Permit: N 03521</i> <i>NFA: 7/22/2022</i>	SSW	0.50 / 2,626.95	5	<u>85</u>
<u>17</u>	RCR	COLES CROSSROADS TEXACO	1420 IRBY ST FLORENCE SC 29501	SSW	0.50 / 2,626.95	5	<u>86</u>
<u>18</u>	VCP	BOB BIBLE TOYOTA	726 S IRBY ST FLORENCE SC 29501	NW	0.50 / 2,641.83	15	<u>86</u>
<u>18</u>	SASPL	BOB BIBLE TOYOTA	726 S IRBY ST, FLORENCE SC 29501 SC	NW	0.50 / 2,641.83	15	<u>87</u>
<u>18</u>	BROWNFIELDS	BOB BIBLE TOYOTA	726 S IRBY ST, FLORENCE, SC, 29501, US SC	NW	0.50 / 2,641.83	15	<u>87</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
19	FUDS	FLORENCE AAF	FLORENCE SC <i>FUDS Property No:</i> I04SC0095	ENE	0.92 / 4,874.83	11	87

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jan 6, 2025 has found that there are 1 RCRA SQG site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RUSF LLC	906 SOUTH CHURCH ST FLORENCE SC 29506	N	0.01 / 79.16	2
<i>Handler ID Recycler Activity?: SCR000781724 NO</i>				

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Jan 6, 2025 has found that there are 2 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PENSKE TRUCK LEASING	1100 SOUTH CHURCH ST FLORENCE SC 29506	W	0.01 / 62.95	1
<i>Handler ID Recycler Activity?: SCR000002808 NO</i>				
GAYMON MOTORS	131 S OAK RD FLORENCE SC 29505	N	0.13 / 699.49	3
<i>Handler ID Recycler Activity?: SC0000094581 NO</i>				

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jan 6, 2025 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLAVORICH INC GARAGE	1100 S CHURCH STREET FLORENCE SC 29504	W	0.01 / 62.95	1
<i>Handler ID Recycler Activity?: SCD982107799 NO</i>				

State

REMEDIATION - State Remediation Projects

A search of the REMEDIATION database, dated Sep 6, 2024 has found that there are 1 REMEDIATION site(s) within approximately 1.00miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Rental Uniform Service - Florence Site	906 South Church Street Florence SC	N	0.01 / 79.16	2

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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SASPL - Site Assessment Section Project List

A search of the SASPL database, dated Aug 14, 2024 has found that there are 5 SASPL site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST, FLORENCE SC 29506 SC	W	0.01 / 62.95	1
RENTAL UNIFORM SERVICE	906 S CHURCH ST, FLORENCE SC 29504 SC	N	0.01 / 79.16	2
ONE HOUR MARTINIZING COMPANY NO 1	832 S IRBY ST, FLORENCE SC 29501 SC	NW	0.44 / 2,347.28	14
BOB BIBLE TOYOTA	726 S IRBY ST, FLORENCE SC 29501 SC	NW	0.50 / 2,641.83	18

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLORENCE REGIONAL WASTEWATER MANAGEMENT FACILITY	1000 STOCKADE DR, FLORENCE SC 29506-344 SC	NE	0.38 / 2,021.19	10

LUST - Leaking Underground Storage Tank List

A search of the LUST database, dated Apr 2, 2025 has found that there are 11 LUST site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC 29506 <i>Permit: N 03371</i> <i>NFA: 11/18/1993</i>	W	0.01 / 62.95	1
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504 <i>Permit: N 14312</i> <i>NFA: 10/25/1993</i>	N	0.01 / 79.16	2
SCDMR PEE DEE	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230 <i>Permit: N 14299</i> <i>NFA: 2/18/1997, 7/20/1995</i>	NE	0.15 / 812.30	4
B & P MART	210 NATIONAL CEMETERY RD FLORENCE SC 29506	NNW	0.25 / 1,308.32	5

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>Permit: P 09991</i> <i>NFA: 8/30/2013, 7/25/2013</i>			
R & R2	1360 S IRBY ST FLORENCE SC 29505-2756	SSW	0.36 / 1,890.35	<u>8</u>
	<i>Permit: R 03577</i>			
SAV A TON 84	1403 S IRBY ST FLORENCE SC 29505-2759	SSW	0.38 / 1,989.71	<u>9</u>
	<i>Permit: R 03539</i>			
EMS STATION	727 S DARGAN ST FLORENCE SC 29501	NNW	0.44 / 2,302.21	<u>13</u>
	<i>Permit: N 11742</i> <i>NFA: 5/15/2001</i>			
KENS CORNER 3	800 S IRBY ST FLORENCE SC 29501-5237	NW	0.49 / 2,577.96	<u>16</u>
	<i>Permit: R 03553</i>			
COLES CROSSROADS TEXACO	1420 IRBY ST FLORENCE SC 29501	SSW	0.50 / 2,626.95	<u>17</u>
	<i>Permit: N 03521</i> <i>NFA: 7/22/2022</i>			
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
NEWSOME CHEVROLET INC	991 S IRBY ST FLORENCE SC 29504	W	0.27 / 1,440.66	<u>7</u>
	<i>Permit: N 03285</i>			
FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC 29501	NE	0.38 / 2,021.19	<u>10</u>
	<i>Permit: N 16518</i> <i>NFA: 7/19/1999</i>			

DELISTED LST - Delisted Leaking Storage Tanks

A search of the DELISTED LST database, dated Apr 30, 2025 has found that there are 6 DELISTED LST site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC	W	0.01 / 62.95	<u>1</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC	W	0.01 / 62.95	<u>1</u>
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC	N	0.01 / 79.16	<u>2</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CAMLIN MEAT PACKING COMPANY	111 PAMPLICO FLORENCE SC	SSW	0.41 / 2,143.23	11

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC	ESE	0.43 / 2,282.66	12
FLORENCE CITY OF WWTP	1000 STOCKADE RD FLORENCE SC	ESE	0.43 / 2,282.66	12

UST - Underground Storage Tank List

A search of the UST database, dated Apr 30, 2025 has found that there are 6 UST site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC 29506	W	0.01 / 62.95	1
	Site No: 3371 Tank No Status: 1 Abandoned, 3 Abandoned, 4 Abandoned, 5 Abandoned, 2 Abandoned			
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.01 / 79.16	2
	Site No: 14312 Tank No Status: 2 Abandoned, 1 Abandoned, 3 Abandoned, 4 Abandoned			
SCMDMR	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230	NE	0.15 / 812.30	4
	Site No: 3213 Tank No Status: 1 Abandoned, 2 Abandoned			
SCDMR PEE DEE	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230	NE	0.15 / 812.30	4
	Site No: 14299 Tank No Status: 1 Abandoned			
B & P MART	210 NATIONAL CEMETERY RD FLORENCE SC 29506	NNW	0.25 / 1,308.32	5
	Site No: 9991 Tank No Status: 2 Currently in Use, 5 Currently in Use, 4 Extended Out-of-Use, 1 Currently in Use, 3 Currently in Use			
FOUR WAY STOP/KNC GROCERY	712 S CHURCH ST FLORENCE SC 29501	N	0.25 / 1,310.09	6
	Site No: 19112 Tank No Status: 1 Currently in Use, 2 Extended Out-of-Use			

RCR - Registry of Conditional Remedies

A search of the RCR database, dated Feb 25, 2025 has found that there are 1 RCR site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
COLES CROSSROADS TEXACO	1420 IRBY ST FLORENCE SC 29501	SSW	0.50 / 2,626.95	17

VCP - Site Assessment and Remediation Public Record Database

A search of the VCP database, dated Apr 9, 2025 has found that there are 3 VCP site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST FLORENCE SC 29506	W	0.01 / 62.95	1
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.01 / 79.16	2
BOB BIBLE TOYOTA	726 S IRBY ST FLORENCE SC 29501	NW	0.50 / 2,641.83	18

BROWNFIELDS - Brownfields Sites Listing

A search of the BROWNFIELDS database, dated Jan 7, 2025 has found that there are 2 BROWNFIELDS site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
LAND-O-SUN DAIRIES LLC	1100 S CHURCH ST, FLORENCE, SC, 29506, US SC	W	0.01 / 62.95	1
BOB BIBLE TOYOTA	726 S IRBY ST, FLORENCE, SC, 29501, US SC	NW	0.50 / 2,641.83	18

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Apr 23, 2025 has found that there are 4 FINDS/FRS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PENSKE TRUCK LEASING	1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339	W	0.01 / 62.95	1
Registry ID: 110002251786				

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339	W	0.01 / 62.95	1
	<i>Registry ID: 110002100574</i>			
RENTAL UNIFORM SERVICE	906 SOUTH CHURCH STREET FLORENCE SC 29506-3334	N	0.01 / 79.16	2
	<i>Registry ID: 110012164861</i>			
RUSF LLC	906 SOUTH CHURCH ST FLORENCE SC 29506	N	0.01 / 79.16	2
	<i>Registry ID: 110066987096</i>			

TRIS - Toxics Release Inventory (TRI) Program

A search of the TRIS database, dated Sep 20, 2023 has found that there are 1 TRIS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC 29504	W	0.01 / 62.95	1

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Apr 13, 2024 has found that there are 1 ICIS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RENTAL UNIFORM SERVICE	906 S CHURCH ST FLORENCE SC 29504	N	0.01 / 79.16	2
	<i>Registry ID: 110012164861</i>			

FUDS - Formerly Used Defense Sites

A search of the FUDS database, dated May 15, 2023 has found that there are 2 FUDS site(s) within approximately 1.00miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLORENCE POW CAMP	FLORENCE SC	NW	0.47 / 2,498.12	15
	<i>FUDS Property No: I04SC1006</i>			
FLORENCE AAF	FLORENCE SC	ENE	0.92 / 4,874.83	19
	<i>FUDS Property No: I04SC0095</i>			

AFS - Air Facility System

A search of the AFS database, dated Oct 17, 2014 has found that there are 2 AFS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PET DAIRY	1100 S CHURCH ST FLORENCE SC 29504	W	0.01 / 62.95	1
RENTAL UNIFORM SERVICES: FLORENCE	906 S CHURCH ST FLORENCE SC 29506	N	0.01 / 79.16	2

State

DRYCLEAN FUND - Drycleaning Facility Restoration Trust Fund Database

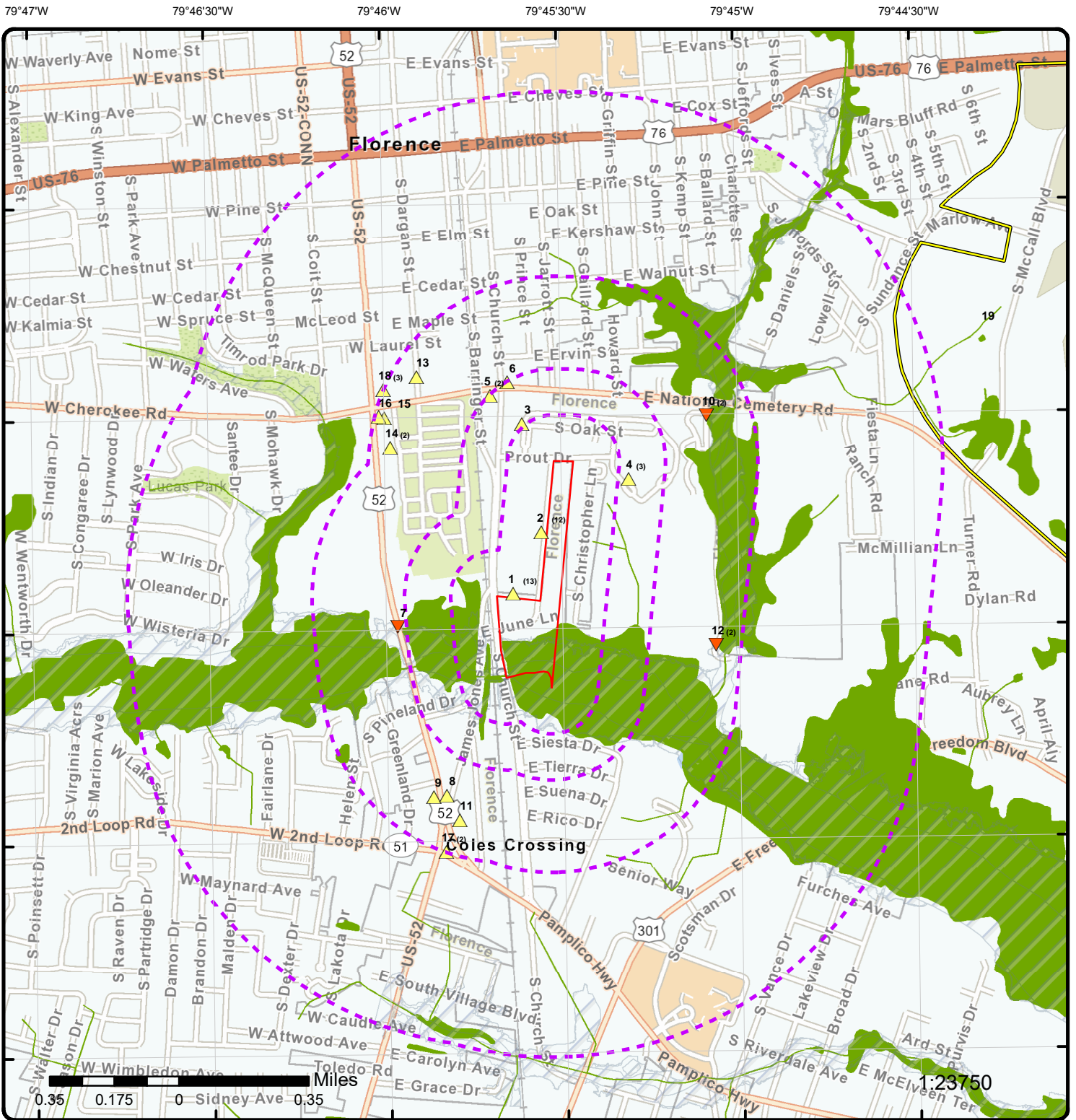
A search of the DRYCLEAN FUND database, dated Apr 16, 2024 has found that there are 1 DRYCLEAN FUND site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ONE HOUR MARTINIZING COMPANY NO 1	832 S IRBY ST; FLORENCE SC	NW	0.44 / 2,347.28	14

UIC - Underground Injection Control Wells

A search of the UIC database, dated May 6, 2024 has found that there are 1 UIC site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RUSF LLC	906 S CHURCH ST, FLORENCE, SC, 29504, US SC <i>Permit No: SCHE03020585</i>	N	0.01 / 79.16	2

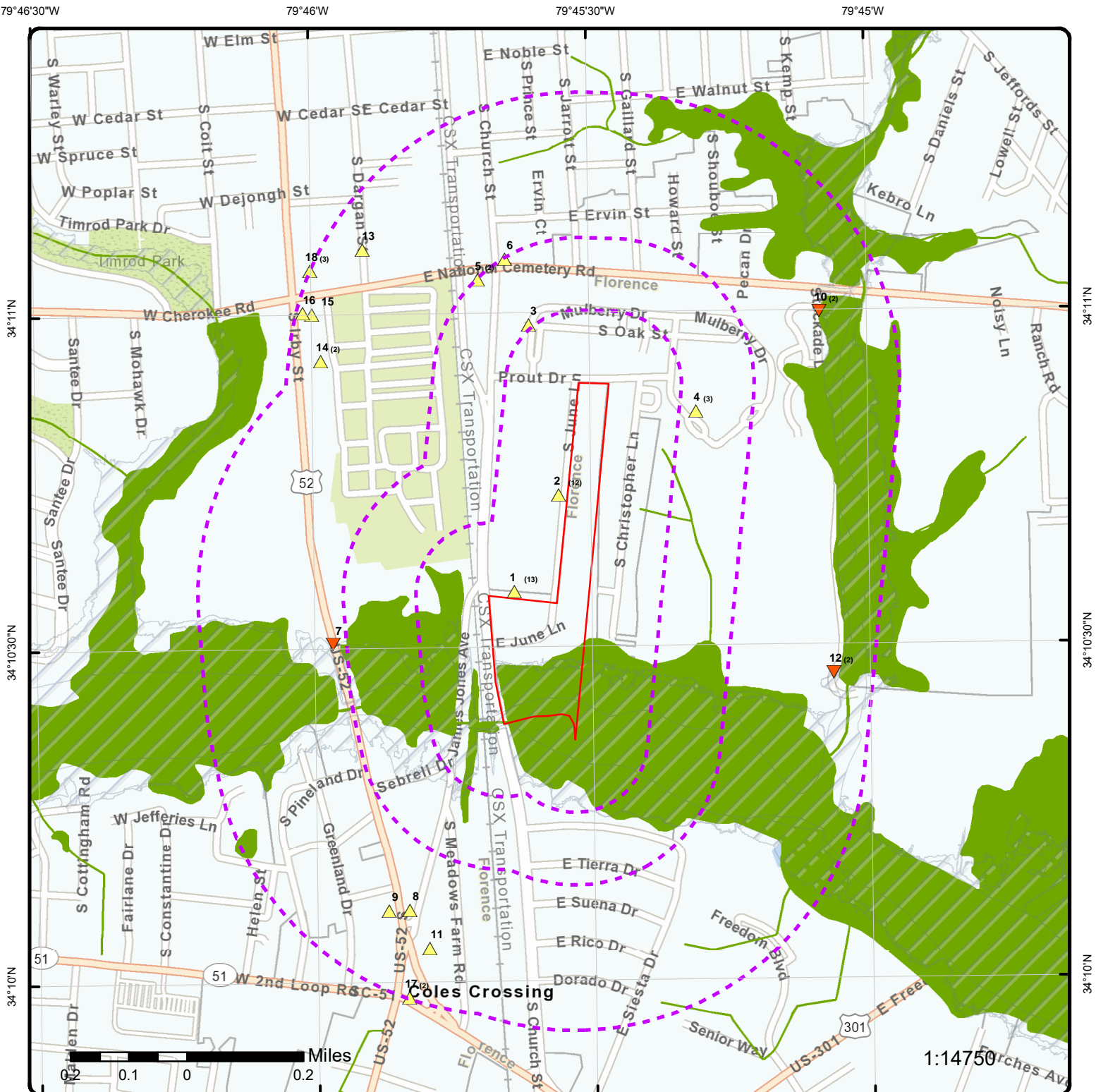


Map: 1.0 Mile Radius

Order Number: 25061100519
Address: 1117 June Lane, FLORENCE, SC



- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



Map: 0.5 Mile Radius

Order Number: 25061100519

Address: 1117 June Lane, FLORENCE, SC



Project Property

Buffer Outline

Sites with Higher Elevation

Sites with Same Elevation

Sites with Lower Elevation

Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)

79°46'W

79°45'30"W

79°45'W

34°11'N

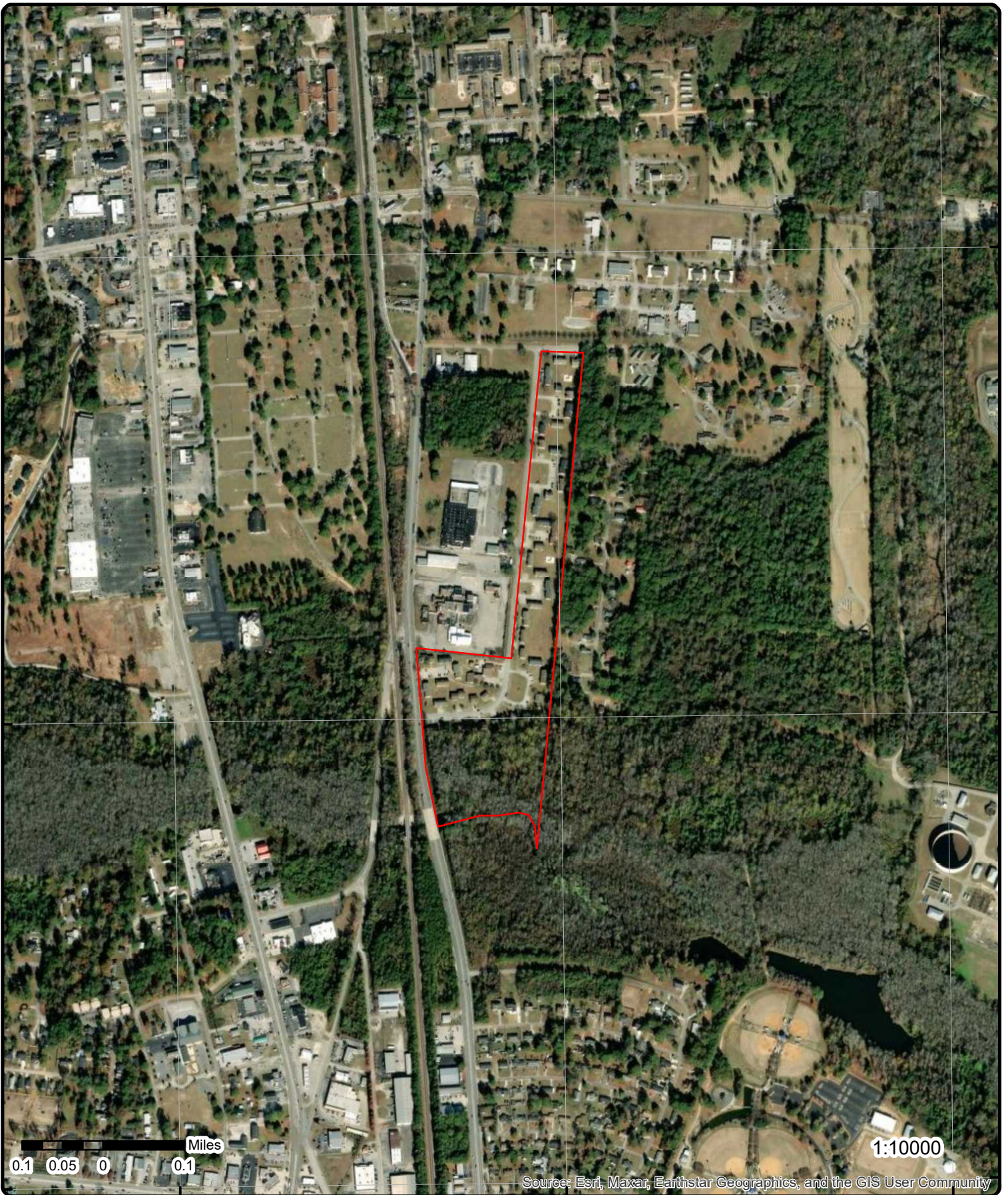
34°11'N

34°10'30"N

34°10'30"N

34°10'N

34°10'N



Aerial Year: 2023

Address: 1117 June Lane, FLORENCE, SC

Source: ESRI World Imagery

Order Number: 25061100519



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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	1 of 13	W	0.01 / 62.95	112.93 / 2	FLAVORICH INC GARAGE 1100 S CHURCH STREET FLORENCE SC 29504	RCRA NON GEN

Handler ID: SCD982107799
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2025.

Evaluation Details

Eval Start Date: 20020116
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Handler Summary

Importer:	No	Used Oil Transpor:	No
Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	NAIC 1:	
Seq No:	2	NAIC 2:	
Non Notifier:		NAIC 3:	
Receive Date:	20020204	NAIC 4:	
Active Site:	-----	State:	SC
Land Type:	P	Location Latitude:	
In Handler Univ:	N	Location Longitude:	
In A Universe:	N	Loc GIS Primary:	N
Gen Status:	N	Loc GIS Origin:	
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		
State Waste Generator:	4		
Short Term Generator:	N		
Uni Waste:	N		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Universal Waste Dest Facility:		N				
Federal Universal Waste:		N				
As Federally Regulated Tsd:		-----				
As Converter Tsd:		-----				
As State Regulated Tsd:		-----				
As State Regulated Handler:		---				
Federal Indicator:		---				
Hsm:		N				
Subpart K:		----				
GPRA Permit:		N				
GPRA Renewal:		N				
Permit Renewal Wrkld:		-----				
Permwrk ID:		-----				
Perm Prog:		-----				
Pcwrkld:		-----				
Closwrkld:		-----				
GPRA Ca:		N				
Cawrkld:		N				
Subjca Tsd Discretion:		N				
NCAPS:		N				
EC Indicator:		N				
Ca725 Indicator:		N				
Ca750 Indicator:		N				
Operating Tsd:		-----				
Full Enforcement:		-----				
Snc:		N				
Unaddressed Snc:		N				
Addressed Snc:		N				
Snc With Comp Sched:		N				
Fa Required:		----				
Hhandler Last Change:		20150414				
Recognized Trader Importer:		N				
Recognized Trader Exporter:		N				
Slab Importer:		N				
Slab Exporter:		N				
Manifest Broker:		N				
Subpart P:		N				
Contact Language:		EN				
Handler Name:		FLAVORICH INC GARAGE				
Location Street No:		1100				
Location Street1:		S CHURCH STREET				
Location Street2:						
Location City:		FLORENCE				
Location State:		SC				
Location Zip:		29504				
Location County Code:		SC041				
Location County Name:		FLORENCE				
Location Country:		US				
Contact Name:		TEW CHARLES				
Contact Street No:						
Contact Street1:		PO BOX 12860				
Contact Street2:						
Contact City:		FLORENCE				
Contact State:		SC				
Contact Zip:		29504				
Contact Country:		US				
Contact Phone And Ext:		803-665-6866				
Contact Fax:						
Contact Email Address:						
Contact Title:						
Owner Name:		FLAVORICH INC				
Owner Type:		P				
Owner Seq:		1				
Operator Name:		OPERNAME				
Operator Type:		P				
Operator Seq:		2				
Public Notes:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Seq No:	1
Receive Date:	19870819
Handler Name:	FLAVORICH INC GARAGE
Fed Waste Generator:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification

Hazardous Waste Handler Details

Seq No:	2
Receive Date:	20020204
Handler Name:	FLAVORICH INC GARAGE
Fed Waste Generator:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street1:	1100 S CHURCH STREET
Name:	FLAVORICH INC	Street2:	
Dt Became Current:		City:	FLORENCE
Dt Ended Current:		State:	SC
Phone:	999-999-9999	Country:	
Source Type:	Notification	Zip:	29504
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street1:	OPERSTREET
Name:	OPERNAME	Street2:	
Dt Became Current:		City:	OPERCITY
Dt Ended Current:		State:	WY
Phone:	404-555-1212	Country:	
Source Type:	Notification	Zip:	99999

Historical Handler Details

Receive Dt:	19870819
Generator Code Description:	Very Small Quantity Generator
Handler Name:	FLAVORICH INC GARAGE

1	2 of 13	W	0.01 / 62.95	112.93 / 2	PENSKE TRUCK LEASING 1100 SOUTH CHURCH ST FLORENCE SC 29506	RCRA VSQG
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Handler ID:	SCR000002808
Generator Status:	VSG
Recycler Activity?:	NO
Recycler Activity Note:	This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note:	NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2025.
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Evaluation Details

Eval Start Date:	20020201
Eval Type Desc:	COMPLIANCE EVALUATION INSPECTION

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Viol Short Desc:

Actual Rtc Date:

Eval Agency: State

Handler Summary

Importer:	No	Used Oil Transpor:	No
Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	NAIC 1:	
Seq No:	2	NAIC 2:	
Non Notifier:		NAIC 3:	
Receive Date:	20010515	NAIC 4:	
Active Site:	H----	State:	SC
Land Type:	P	Location Latitude:	34.181433
In Handler Univ:	Y	Location Longitude:	-79.761313
In A Universe:	Y	Loc GIS Primary:	N
Gen Status:	VSG	Loc GIS Origin:	AG
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		
State Waste Generator:	4		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	-----		
As Converter Tsdf:	-----		
As State Regulated Tsdf:	-----		
As State Regulated Handler:	---		
Federal Indicator:	---		
Hsm:	N		
Subpart K:	----		
GPRA Permit:	N		
GPRA Renewal:	N		
Permit Renewal Wrkld:	-----		
Permwrk ID:	-----		
Perm Prog:	-----		
Pcwrkld:	-----		
Closwrkld:	-----		
GPRA Ca:	N		
Cawrkld:	N		
Subjca Tsd Discretion:	N		
NCAPS:	N		
EC Indicator:	N		
Ca725 Indicator:	N		
Ca750 Indicator:	N		
Operating Tsdf:	-----		
Full Enforcement:	-----		
Snc:	N		
Unaddressed Snc:	N		
Addressed Snc:	N		
Snc With Comp Sched:	N		
Fa Required:	-----		
Hhandler Last Change:	20140729		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Recognized Trader Importer:		N				
Recognized Trader Exporter:		N				
Slab Importer:		N				
Slab Exporter:		N				
Manifest Broker:		N				
Subpart P:		N				
Contact Language:		EN				
Handler Name:		PENSKE TRUCK LEASING				
Location Street No:		1100				
Location Street1:		SOUTH CHURCH ST				
Location Street2:						
Location City:		FLORENCE				
Location State:		SC				
Location Zip:		29506				
Location County Code:		SC041				
Location County Name:		FLORENCE				
Location Country:		US				
Contact Name:		ANDREW CULLEN				
Contact Street No:						
Contact Street1:		PO BOX 7635				
Contact Street2:						
Contact City:		READING				
Contact State:		PA				
Contact Zip:		19603				
Contact Country:		US				
Contact Phone And Ext:		610-775-6406				
Contact Fax:						
Contact Email Address:						
Contact Title:						
Owner Name:		PENSKE TRUCK LEASING				
Owner Type:		P				
Owner Seq:		1				
Operator Name:						
Operator Type:						
Operator Seq:						
Public Notes:						

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19980706
Handler Name: PENSKE TRUCK LEASING
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Seq No: 2
Receive Date: 20010515
Handler Name: PENSKE TRUCK LEASING
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D008
Waste Code Desc: LEAD

Waste Code: D039
Waste Code Desc: TETRACHLOROETHYLENE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street1:	PO BOX 7635
Name:	PENSKE TRUCK LEASING	Street2:	
Dt Became Current:	20010515	City:	READING
Dt Ended Current:		State:	PA
Phone:	610-775-6406	Country:	
Source Type:	Notification	Zip:	19603

Historical Handler Details

Receive Dt:	19980706
Generator Code Description:	Very Small Quantity Generator
Handler Name:	PENSKE TRUCK LEASING

<u>1</u>	3 of 13	W	0.01 / 62.95	112.93 / 2	PENSKE TRUCK LEASING 1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339	FINDS/FRS
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Registry ID:	110002251786
FIPS Code:	45041
HUC Code:	03040201
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-00
Update Date:	09-AUG-10
Interest Types:	STATE MASTER, VSQG
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	06
Census Block Code:	450410007003016
EPA Region Code:	04
County Name:	FLORENCE
US/Mexico Border Ind:	
Latitude:	34.17694
Longitude:	-79.76157
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002251786
Program Acronyms:	

RCRAINFO:SCR000002808, SC-EFIS:SC0000010529

<u>1</u>	4 of 13	W	0.01 / 62.95	112.93 / 2	PET DAIRY 1100 SOUTH CHURCH STREET FLORENCE SC 29506-3339	FINDS/FRS
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Registry ID:	110002100574
FIPS Code:	45041
HUC Code:	03040201
Site Type Name:	STATIONARY
Location Description:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Supplemental Location:						
Create Date:		01-MAR-00				
Update Date:		09-NOV-15				
Interest Types:		AIR MINOR, STATE MASTER, TRI REPORTER, UNSPECIFIED UNIVERSE				
SIC Codes:		2024, 2026				
SIC Code Descriptions:		FLUID MILK, ICE CREAM AND FROZEN DESSERTS				
NAICS Codes:		311511, 311520				
NAICS Code Descriptions:		FLUID MILK MANUFACTURING., ICE CREAM AND FROZEN DESSERT MANUFACTURING.				
Conveyor:		FRS-TRIS				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		06				
Census Block Code:		450410007003022				
EPA Region Code:		04				
County Name:		FLORENCE				
US/Mexico Border Ind:						
Latitude:		34.17744				
Longitude:		-79.76156				
Reference Point:		CENTER OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		30				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002100574				
Program Acronyms:						
AIR:SC00010400108, AIRS/AFS:4504100108, RCRAINFO:SCD982107799, SC-EFIS:SC0000003738, TRIS:29504FLVRC1100S						

1	5 of 13	W	0.01 / 62.95	112.93 / 2	LAND-O-SUN DAIRIES LLC 1100 S CHURCH ST, FLORENCE SC 29506 SC	SASPL
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EPA ID: SCS123457488

Site Assessment Section Project List (SASPL)

County: FLORENCE

1	6 of 13	W	0.01 / 62.95	112.93 / 2	PET DAIRY 1100 S CHURCH ST FLORENCE SC 29506	UST
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Site No:	3371	Facility ID (Prohib):	
Permit:	N 03371	Fac Name (Prohib):	
Category:		Fac Addr (Prohib):	
No of Tanks:	5	Fac City (Prohib):	
Billable:	0	Facility Name (Web):	PET DAIRY
Abandoned:	5	Facility Addr (Web):	1100 S CHURCH ST
Other:	0	Facility City (Web):	FLORENCE
Last Inspection:		Zip Code (Web):	29506
Facility Name:	PET DAIRY	County (Web):	
Facility Address:	1100 S CHURCH ST	Phone (Web):	843-665-6866
Facility Zip:	29506	Tank Owner Phone:	
Facility Phone:	843-665-6866	Land Owner Phone:	
Facility State:	SC	Operator Phone:	
Facility City:	FLORENCE	Facility Contact:	EARL LINER
County Code:	21		
Business Address:	1100 S CHURCH ST FLORENCE SC 29506		
Tank Owner Business Address:	FLAV O RICH DAIRY PO BOX 3785 EAU CLAIR STATION		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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COLUMBIA SC 29230-3785

Land Owner Business Address:

Operator Business Address:

Facility Link:

<https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03371>

Source:

SCDES Underground Storage Tank Registry (Web); SCDES Management Tracking UST 'C' List

Tank Information - UST Registry Search

Tank No:	1	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	PET DAIRY
Status:	Abandoned	Last Use:	
Capacity:	10000	Aband:	4/8/1993
Variance:		Method:	Removed
Product:	Diesel fuel	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:	5/27/1987	Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:	25	Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Tank No:	3	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	PET DAIRY
Status:	Abandoned	Last Use:	
Capacity:	10000	Aband:	4/8/1993
Variance:		Method:	Removed
Product:	Diesel fuel	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:	5/27/1987	Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:	20	Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Tank No:	4	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	PET DAIRY
Status:	Abandoned	Last Use:	
Capacity:	10000	Aband:	4/8/1993
Variance:		Method:	Removed
Product:	Diesel fuel	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:	5/27/1987	Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:	20	Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank No: Case No: Class: Status: Capacity: Variance: Product: Overfill Type: Verified: Constr Date: Operat Date: Notify: Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det:	5				Chem: Left Gal: Owner at ABD: Last Use: Aband: Method: Under Dispnr Cont: Drop Tube: Tank Const: Tank Protect: Tank Tested: Tank Cont Meth: Pipe Cont Meth: Pipe Protect: Pipe Tested: Pipe Const: Piping Type:	PET DAIRY 4/8/1993 Removed False False Steel Single wall Single wall Steel
Tank No: Case No: Class: Status: Capacity: Variance: Product: Overfill Type: Verified: Constr Date: Operat Date: Notify: Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det:	2				Chem: Left Gal: Owner at ABD: Last Use: Aband: Method: Under Dispnr Cont: Drop Tube: Tank Const: Tank Protect: Tank Tested: Tank Cont Meth: Pipe Cont Meth: Pipe Protect: Pipe Tested: Pipe Const: Piping Type:	PET DAIRY 4/8/1993 Removed False False Steel Single wall Single wall Steel
<u>Tank Information - UST 'C' List</u>						
Tank No: Capacity Gal: Status Code: Status: Chemical: Age at Notif. Years: Owner: Tank Owner Contact: Street: Tank Owner City:	1				Tank Owner State: Tank Owner Zip: Tank Owner Phone: Facility: Contact 1: Phone 1: Facility Address: City 1: St 1: Zip 1:	SC 29230-3785 PET DAIRY EARL LINER 843-665-6866 1100 S CHURCH ST FLORENCE SC 29506
Tank No: Capacity Gal: Status Code: Status: Chemical: Age at Notif. Years: Owner: Tank Owner Contact: Street: Tank Owner City:	5				Tank Owner State: Tank Owner Zip: Tank Owner Phone: Facility: Contact 1: Phone 1: Facility Address: City 1: St 1: Zip 1:	SC 29230-3785 PET DAIRY EARL LINER 843-665-6866 1100 S CHURCH ST FLORENCE SC 29506
Tank No: Capacity Gal: Status Code: Status:	3				Tank Owner State: Tank Owner Zip: Tank Owner Phone: Facility:	SC 29230-3785 PET DAIRY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Chemical:	DL				Contact 1:	EARL LINER
Age at Notif. Years:	20				Phone 1:	843-665-6866
Owner:	FLAV O RICH DAIRY				Facility Address:	1100 S CHURCH ST
Tank Owner Contact:	W LINER				City 1:	FLORENCE
Street:	PO BOX 3785 EAU CLAIR STATION				St 1:	SC
Tank Owner City:	COLUMBIA				Zip 1:	29506
Tank No:	4				Tank Owner State:	SC
Capacity Gal:	10000				Tank Owner Zip:	29230-3785
Status Code:	ABD				Tank Owner Phone:	
Status:	Abandoned				Facility:	PET DAIRY
Chemical:	DL				Contact 1:	EARL LINER
Age at Notif. Years:	20				Phone 1:	843-665-6866
Owner:	FLAV O RICH DAIRY				Facility Address:	1100 S CHURCH ST
Tank Owner Contact:	W LINER				City 1:	FLORENCE
Street:	PO BOX 3785 EAU CLAIR STATION				St 1:	SC
Tank Owner City:	COLUMBIA				Zip 1:	29506
Tank No:	2				Tank Owner State:	SC
Capacity Gal:	8000				Tank Owner Zip:	29230-3785
Status Code:	ABD				Tank Owner Phone:	
Status:	Abandoned				Facility:	PET DAIRY
Chemical:	GN				Contact 1:	EARL LINER
Age at Notif. Years:	25				Phone 1:	843-665-6866
Owner:	FLAV O RICH DAIRY				Facility Address:	1100 S CHURCH ST
Tank Owner Contact:	W LINER				City 1:	FLORENCE
Street:	PO BOX 3785 EAU CLAIR STATION				St 1:	SC
Tank Owner City:	COLUMBIA				Zip 1:	29506

<u>1</u>	7 of 13	W	0.01 / 62.95	112.93 / 2	PET DAIRY 1100 S CHURCH ST FLORENCE SC 29506	LUST
Permit:	N 03371			Site No (EFIS):		
Category:				Facility Name (EFIS):		
No of Tanks:	5			Fac Address (EFIS):		
Billable:	0			Facility City (EFIS):		
Abandoned:	5			Facility State (EFIS):		
Other:	0			Facility Zip (EFIS):		
Last Inspection:				Facility (Web):	PET DAIRY	
Facility:	PET DAIRY			Address (Web):	1100 S CHURCH ST	
Facility Street:	1100 S CHURCH ST			City (Web):	FLORENCE	
Facilit City:	FLORENCE			Zip Code (Web):	29506	
Facility State :	SC			County (Web):	FLORENCE	
Facility Zip:	29506			Phone (Web):	843-665-6866	
County Code:	21			Tank Owner Phone:		
Fac County:				Land Owner Phone:		
Operator Phone:						
Business Address:	1100 S CHURCH ST FLORENCE SC 29506					
Tank Owner Business Addr:	FLAV O RICH DAIRY PO BOX 3785 EAU CLAIR STATION COLUMBIA SC 29230-3785					
Land Owner Business Addr:						
Operator Business Addr:						
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03371					
Data Source:	SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024)					

DHEC Online Registry - Release Report

Release No:	1	Project Manager:	DUBOIS, PAMELA M
Source:	UST	Compliance Req:	False
Reported:	4/9/1993	Compliance Met:	False
Confirmed:	11/9/1993	Compliance Date:	
RBCA/ Score:	/	Abatement Met:	4/8/1993
Responsible Party:	MID-AMERICA DAIRYMEN INC	NFA:	11/18/1993

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Product:				Fin Type:		Unknown
Emergency Resp:				Fin Res Mechanism:		
Superb Qualified:				Cleanup MCL:		
Superb Determ Date:				Cleanup Initiated:		11/9/1993
Transferred:				Cleanup Complete:		11/18/1993
<u>DHEC Confirmed Release Report</u>						
Release No:		1	Confirmed:		11/9/1993	
NFA:		11/18/1993	Tank Owner:		FLAV O RICH DAIRY	
Product:		PETRO	Status Desc:			
Proj Mgr:		DUBOISPM	Score:			
Status:			Rank:			
Reported:		4/9/1993				
Rank Desc:						
Facility:		PET DAIRY				
Facility Street:		1100 S CHURCH ST				
Facility City:		FLORENCE				
Fac County:		Florence				
Facility Zip:		29506				
Facility State:		SC				
<u>1</u>	8 of 13	W	0.01 / 62.95	112.93 / 2	PET DAIRY 1100 S CHURCH ST FLORENCE SC	DELISTED LST

Delisted Leaking Above Ground Storage Tanks Details

Site ID: 18238
Release No: 1
Project Manager: COLEMABJ
Status: NFA
Impacted Code:
Type: S
Release Date: 02/21/12
Confirmed:
NFA Dt: 01/07/15
Transfer:
Product: PETRO
Source: SPILL
Tier:
Truncated Note: NOTE: many records provided by the department have a truncated company name and address field.
Soil Impact Code:
User Name:
Release Xfer Date:
Suspect NFA Date:
Release Source Code:
Cleanup Complete Dt:
Local Fac Last Name:
Local Fac First Name:
Address 2:
State Code:
County: Florence
Zip Code:
Local Fac County:
District Code:
Rp Identifier 1:
Rp Identifier 2:
Product 2:
Product 3:
Product 4:
Source 2:
Source 3:
Source 4:
Original Source: LAST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Record Date:	06-MAR-2020
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1	9 of 13	W	0.01 / 62.95	112.93 / 2	PET DAIRY 1100 S CHURCH ST FLORENCE SC 29504	TRIS
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TRI FD:	29504FLVRC1100S
FRS ID:	110002100574
BIA:	
Tribe:	
Facility Name:	PET DAIRY
Street Address:	1100 S CHURCH ST
City:	FLORENCE
County:	FLORENCE
State:	SC
Zip:	29504
Latitude:	34.177440
Longitude:	-79.761560

1987 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007664382	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

NO

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0001310732	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Stack Air:	0.000000				Other Surface I:	0.000000
Water:	0.000000				Other Disposal:	0.000000
Chemical:		Sodium hydroxide (solution)				
Industry Sector Code:		311				
Industry Sector:		Food				
Parent Co Name:		DEAN FOODS				
On Site Release Total:	0.000000					
Off Site Release Total:	0.000000					
Off Site Recycled Total:	0.000000					
Total Releases:	0.000000					
One Time Release:						
Horizontal Datum:						
NAD83						
CAS No:						
1310-73-2						
PFAS:						
NO						
PBT:						
NO						
1989 Details						
TRI FD:	29504FLVRC1100S				Underground:	0.000000
Federal Facility:	NO				Underground CL I:	0.000000
Cas No Compound ID:	0007664382				Underground C II-V:	0.000000
Classification:	TRI				Landfills:	0.000000
Primary SIC:	2026				RCRA C Landfill:	0.000000
Primary NAICS:	311511				Other Landfills:	0.000000
Metal:	NO				Land Treatment:	0.000000
Carcinogen:	NO				Surface Impndmnt:	0.000000
Fugitive Air:	0.000000				RCRA Surface IM:	0.000000
Stack Air:	0.000000				Other Surface I:	0.000000
Water:	0.000000				Other Disposal:	0.000000
Chemical:		Phosphoric acid				
Industry Sector Code:		311				
Industry Sector:		Food				
Parent Co Name:		DEAN FOODS				
On Site Release Total:	0.000000					
Off Site Release Total:	0.000000					
Off Site Recycled Total:	0.000000					
Total Releases:	0.000000					
One Time Release:						
Horizontal Datum:						
NAD83						
CAS No:						
7664-38-2						
PFAS:						
NO						
PBT:						
NO						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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1990 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007664382	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

NO

1991 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007664382	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2066	RCRA C Landfill:	0.000000
Primary NAICS:	311320	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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7664-38-2

PFAS:

NO

PBT:

NO

1992 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007664382	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Phosphoric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7664-38-2

PFAS:

NO

PBT:

NO

2002 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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On Site Release Total:	0.000000
Off Site Release Total:	0.000000
Off Site Recycled Total:	0.000000
Total Releases:	0.000000
One Time Release:	

Horizontal Datum:

NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

2003 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:	2026	RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

2004 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Primary SIC:	2026				RCRA C Landfill:	0.000000
Primary NAICS:	311511				Other Landfills:	0.000000
Metal:	NO				Land Treatment:	0.000000
Carcinogen:	NO				Surface Impndmnt:	0.000000
Fugitive Air:	0.000000				RCRA Surface IM:	0.000000
Stack Air:	0.000000				Other Surface I:	0.000000
Water:	0.000000				Other Disposal:	0.000000
Chemical:		Nitric acid				
Industry Sector Code:		311				
Industry Sector:		Food				
Parent Co Name:		DEAN FOODS				
On Site Release Total:		0.000000				
Off Site Release Total:		0.000000				
Off Site Recycled Total:		0.000000				
Total Releases:		0.000000				
One Time Release:						
Horizontal Datum:						
NAD83						
CAS No:						
7697-37-2						
PFAS:						
NO						
PBT:						
NO						
2006 Details						
TRI FD:	29504FLVRC1100S				Underground:	0.000000
Federal Facility:	NO				Underground CL I:	0.000000
Cas No Compound ID:	0007697372				Underground C II-V:	0.000000
Classification:	TRI				Landfills:	0.000000
Primary SIC:					RCRA C Landfill:	0.000000
Primary NAICS:	311511				Other Landfills:	0.000000
Metal:	NO				Land Treatment:	0.000000
Carcinogen:	NO				Surface Impndmnt:	0.000000
Fugitive Air:	0.000000				RCRA Surface IM:	0.000000
Stack Air:	0.000000				Other Surface I:	0.000000
Water:	0.000000				Other Disposal:	0.000000
Chemical:		Nitric acid				
Industry Sector Code:		311				
Industry Sector:		Food				
Parent Co Name:		DEAN FOODS				
On Site Release Total:		0.000000				
Off Site Release Total:		0.000000				
Off Site Recycled Total:		0.000000				
Total Releases:		0.000000				
One Time Release:						
Horizontal Datum:						
NAD83						
CAS No:						
7697-37-2						
PFAS:						
NO						
PBT:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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NO

2007 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:		RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

2008 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:		RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

2009 Details

TRI FD:	29504FLVRC1100S	Underground:	0.000000
Federal Facility:	NO	Underground CL I:	0.000000
Cas No Compound ID:	0007697372	Underground C II-V:	0.000000
Classification:	TRI	Landfills:	0.000000
Primary SIC:		RCRA C Landfill:	0.000000
Primary NAICS:	311511	Other Landfills:	0.000000
Metal:	NO	Land Treatment:	0.000000
Carcinogen:	NO	Surface Impndmnt:	0.000000
Fugitive Air:	0.000000	RCRA Surface IM:	0.000000
Stack Air:	0.000000	Other Surface I:	0.000000
Water:	0.000000	Other Disposal:	0.000000
Chemical:	Nitric acid		
Industry Sector Code:	311		
Industry Sector:	Food		
Parent Co Name:	DEAN FOODS		
On Site Release Total:	0.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7697-37-2

PFAS:

NO

PBT:

NO

1	10 of 13	W	0.01 / 62.95	112.93 / 2	LAND-O-SUN DAIRIES LLC 1100 S CHURCH ST, FLORENCE, SC, 29506, US SC	BROWNFIELDS
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Case No: 20-6143-NRP

Details

Alt ID:	58068	Combo of Contam:	
Master No:	6143	Filed With County:	
Master Status:	CLOSED	Acre Under Cntrct:	9.05

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Category:	Master Project Details			COC Date Issued:		
Program:	LWM - SARR - Brownfields			County:	Florence	
Action Date:	10/15/2020 06:00:00			Latitude:	34.1768	
Status:	Entered			Longitude:	-79.7606	
Name:	LAND-O-SUN DAIRIES LLC					
Address:	1100 S CHURCH ST, FLORENCE, SC, 29506, US					
Type:	Non-Responsible Party Voluntary Cleanup Contract					
Type of Covenant:						

1	11 of 13	W	0.01 / 62.95	112.93 / 2	LAND-O-SUN DAIRIES LLC 1100 S CHURCH ST FLORENCE SC 29506	VCP
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File No:	58068	Restrict Filed Dt:	Not yet recorded.
Project Status Code:	COMP	Project Complete Dt:	Not yet completed.
Funds 128(A) Utilized:	No	Brownfields Type:	
Resp Action Planned:	No		
Cleanup Contract Complete Dt:			

Detail

Execute Date:	10/15/2020
Lat Long:	34.17678, -79.76061
Acreage:	9.05
Owner:	LAND-O-SUN DAIRIES LLC
Contamination on Site:	Volatile Organic Compounds
Land Use Restriction:	We do not have enough information yet to determine whether restrictions will be required.

1	12 of 13	W	0.01 / 62.95	112.93 / 2	PET DAIRY 1100 S CHURCH ST FLORENCE SC	DELISTED LST
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Delisted Leaking Above Ground Storage Tanks Details

Site ID:	18238
Release No:	1
Project Manager:	COLEMABJ
Status:	NFA
Impacted Code:	
Type:	S
Release Date:	02/21/12
Confirmed:	
NFA Dt:	01/07/15
Transfer:	
Product:	PETRO
Source:	SPILL
Tier:	
Truncated Note:	
Soil Impact Code:	
User Name:	
Release Xfer Date:	
Suspect NFA Date:	
Release Source Code:	
Cleanup Complete Dt:	
Local Fac Last Name:	
Local Fac First Name:	
Address 2:	
State Code:	
County:	Florence
Zip Code:	
Local Fac County:	
District Code:	
Rp Identifier 1:	
Rp Identifier 2:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Product 2: Product 3: Product 4: Source 2: Source 3: Source 4: Original Source: LAST Record Date: 12-JAN-2021						

<u>1</u>	13 of 13	W	0.01 / 62.95	112.93 / 2	PET DAIRY 1100 S CHURCH ST FLORENCE SC 29504	AFS
Afs ID: 4504100108 Plant ID: 1000582 Epa Region: 04 Plant County: Florence State No: 45 Primary Sic Code: 2024 Secondary Sic Code: 2026 Naics Code: 311520 Afs Gov Facility Des: PRIVATELY OWNED/OPERATED Operating Status Def: Permanently Closed Epa Classification Des: Potential uncontrolled emissions <100 tons/year Epa Compliance Status: No Applicable State Regulation State Compliance Status: No Applicable State Regulation						
Fed Reportable: No Current Hpv: Loc Contrl Region: Afs Gov Fac Code: 0 Operating Status: X Epa Class Code: B Epa Complian Stat: 8 State Comp Status: 8						

Actions

Plant ID: 1000582	National Actn Type: PS
Anu1: 2	All Air Prog Codes: 0
Date Achieved: 20070109	Result Code: 21
Penalty Amount: 0	Pollutant Code:
Record Updated Dt: 20071130	Violating Poll Cds:
Creation Date:	Violation Type Cds:
Key Action No:	
Regional Data Element: 1	
National Action Desc: STATE PCE/ON-SITE	
All Air Program Def: 0-SIP Source	
Result Def:	
Pollutant Def:	
All Violating Poll Def:	
All Violation Type Def:	

Actions

Plant ID: 1000582	National Actn Type: PS
Anu1: 3	All Air Prog Codes: 0
Date Achieved: 20090825	Result Code: 21
Penalty Amount: 0	Pollutant Code:
Record Updated Dt: 20090922	Violating Poll Cds:
Creation Date: 20080325	Violation Type Cds:
Key Action No:	
Regional Data Element:	
National Action Desc: STATE PCE/ON-SITE	
All Air Program Def: 0-SIP Source	
Result Def:	
Pollutant Def:	
All Violating Poll Def:	
All Violation Type Def:	

Actions

Plant ID: 1000582	National Actn Type: PS
Anu1: 5	All Air Prog Codes: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Date Achieved:	20100827				Result Code:	21
Penalty Amount:	0				Pollutant Code:	
Record Updated Dt:	20100915				Violating Poll Cds:	
Creation Date:	20091130				Violation Type Cds:	
Key Action No:						
Regional Data Element:						
National Action Desc:		STATE PCE/ON-SITE				
All Air Program Def:		0-SIP Source				
Result Def:						
Pollutant Def:						
All Violating Poll Def:						
All Violation Type Def:						

Actions

Plant ID:	1000582	National Actn Type:	PS
Anu1:	7	All Air Prog Codes:	0
Date Achieved:	20120719	Result Code:	01
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20120809	Violating Poll Cds:	
Creation Date:	20120809	Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:		STATE PCE/ON-SITE	
All Air Program Def:		0-SIP Source	
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1000582	National Actn Type:	PS
Anu1:	4	All Air Prog Codes:	0
Date Achieved:	20080926	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20090922	Violating Poll Cds:	
Creation Date:	20081015	Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:		STATE PCE/ON-SITE	
All Air Program Def:		0-SIP Source	
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1000582	National Actn Type:	PS
Anu1:	1	All Air Prog Codes:	0
Date Achieved:	20040726	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20071130	Violating Poll Cds:	
Creation Date:		Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:		STATE PCE/ON-SITE	
All Air Program Def:		0-SIP Source	
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Historical Compliance - Air Program Level

Air Program Code: 0
Air Program Code Ref: SIP Source
Historical Compliance Date: 0604, 0701, 0702, 0703, 0704, 0801, 0802, 0803, 0804, 0901, 0902, 0903, 0904, 1001, 1002, 1003, 1004, 1101, 1102, 1103
Historical Compliance Status: 4
Historical Compliance Stat Ref: In Compliance - Certification

Historical Compliance - Air Program Level

Air Program Code: 0
Air Program Code Ref: SIP Source
Historical Compliance Date: 1104, 1201, 1202, 1203, 1204, 1301, 1302, 1303, 1304, 1401, 1402, 1403
Historical Compliance Status: 8
Historical Compliance Stat Ref: No Applicable State Regulation

Air Program

Plant ID:	1000582	Poll Classificatn:	C
Air Program Code:	0	Poll Compli Status:	8
Air Program Status:	X	Epa Class Code:	B
Pollutant Code:	ADMIN	Epa Compli Status:	8
Chemical Abstract Service Nbr:			
Air Program Code Subparts:			
Air Program Code Ref:	SIP Source		
Epa Classification Code Ref:	Potential uncontrolled emissions <100 tons/year		
Epa Compliance Status Ref:	No Applicable State Regulation		
Pollutant Code Ref:			
Pollutant Classification Ref:	Class is unknown.		
Pollutant Complian Status Ref:	No Applicable State Regulation		

Air Program

Plant ID:	1000582	Poll Classificatn:	ND
Air Program Code:	0	Poll Compli Status:	8
Air Program Status:	X	Epa Class Code:	B
Pollutant Code:	PX	Epa Compli Status:	8
Chemical Abstract Service Nbr:			
Air Program Code Subparts:			
Air Program Code Ref:	SIP Source		
Epa Classification Code Ref:	Potential uncontrolled emissions <100 tons/year		
Epa Compliance Status Ref:	No Applicable State Regulation		
Pollutant Code Ref:			
Pollutant Classification Ref:	Major Source thresholds are not defined.		
Pollutant Complian Status Ref:	No Applicable State Regulation		

Air Program

Plant ID:	1000582	Poll Classificatn:	B
Air Program Code:	0	Poll Compli Status:	9
Air Program Status:	X	Epa Class Code:	B
Pollutant Code:	SO2	Epa Compli Status:	8
Chemical Abstract Service Nbr:			
Air Program Code Subparts:			
Air Program Code Ref:	SIP Source		
Epa Classification Code Ref:	Potential uncontrolled emissions <100 tons/year		
Epa Compliance Status Ref:	No Applicable State Regulation		
Pollutant Code Ref:			
Pollutant Classification Ref:	Potential uncontrolled emissions <100 tons/year		
Pollutant Complian Status Ref:	In Compliance - Shut Down		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 12	N	0.01 / 79.16	120.40 / 9	RENTAL UNIFORM SERVICE 906 SOUTH CHURCH STREET FLORENCE SC 29506-3334	FINDS/FRS
Registry ID: 110012164861 FIPS Code: 45041 HUC Code: 03040201 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 01-MAR-00 Update Date: 09-NOV-15 Interest Types: AIR - NOT APPLICABLE, AIR MINOR, STATE MASTER SIC Codes: 7218 SIC Code Descriptions: INDUSTRIAL LAUNDERERS NAICS Codes: 812332 NAICS Code Descriptions: INDUSTRIAL LAUNDERERS. Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 06 Census Block Code: 450410007003011 EPA Region Code: 04 County Name: FLORENCE US/Mexico Border Ind: Latitude: 34.182999 Longitude: -79.761199 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110012164861 Program Acronyms:						
AIR:SC00010400110, AIRS/AFS:4504100110, SC-EFIS:SC0000068333, SC-EFIS:SC0000068334						
2	2 of 12	N	0.01 / 79.16	120.40 / 9	RENTAL UNIFORM SERVICE 906 S CHURCH ST, FLORENCE SC 29504 SC	SASPL
EPA ID: SCS123457584						
<u>Site Assessment Section Project List (SASPL)</u>						
County: FLORENCE						
2	3 of 12	N	0.01 / 79.16	120.40 / 9	RENTAL UNIFORM SERVICE 906 S CHURCH ST FLORENCE SC 29504	UST
Site No: 14312 Permit: N 14312 Category: No of Tanks: 4 Billable: 0 Abandoned: 4 Other: 0 Last Inspection:						
Facility ID (Prohib): Fac Name (Prohib): Fac Addr (Prohib): Fac City (Prohib): Facility Name (Web): RENTAL UNIFORM SERVICE Facility Addr (Web): 906 S CHURCH ST Facility City (Web): FLORENCE Zip Code (Web): 29504						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Facility Name:	RENTAL UNIFORM SERVICE			County (Web):		
Facility Address:	906 S CHURCH ST			Phone (Web):	843-669-4444	
Facility Zip:	29504			Tank Owner Phone:	843-669-4444	
Facility Phone:	843-669-4444			Land Owner Phone:		
Facility State:	SC			Operator Phone:		
Facility City:	FLORENCE			Facility Contact:	RAY GIBSON	
County Code:	21					
Business Address:	906 S CHURCH ST FLORENCE SC 29504					
Tank Owner Business Address:	RENTAL UNIFORM SERVICE PO BOX 12410 FLORENCE SC 29504-0410					
Land Owner Business Address:						
Operator Business Address:						
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST14312					
Source:	SCDES Underground Storage Tank Registry (Web); SCDES Management Tracking UST 'C' List					

Tank Information - UST Registry Search

Tank No:	2	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	RENTAL UNIFORM SERVICE
Status:	Abandoned	Last Use:	
Capacity:	20000	Aband:	12/16/1991
Variance:		Method:	Removed
Product:	Diesel fuel	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:		Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:		Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			
<hr/>			
Tank No:	1	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	RENTAL UNIFORM SERVICE
Status:	Abandoned	Last Use:	
Capacity:	20000	Aband:	12/13/1991
Variance:		Method:	Removed
Product:	Gasoline	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:		Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:		Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			
<hr/>			
Tank No:	3	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	RENTAL UNIFORM SERVICE
Status:	Abandoned	Last Use:	
Capacity:	12000	Aband:	12/16/1991
Variance:		Method:	Removed
Product:	Diesel fuel	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> Constr Date: Operat Date: Notify: Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det: </div> <div> Tank No: Case No: Class: Status: Capacity: Variance: Product: Overfill Type: Verified: Constr Date: Operat Date: Notify: Spill Prevention: Compliance: Comp Status: Age at Notif: Dist to Well (ft): Tank Leak Det: Pipe Leak Det: </div> </div>						
<div> <div> Tank Protect: Tank Tested: Tank Cont Meth: Pipe Cont Meth: Pipe Protect: Pipe Tested: Pipe Const: Piping Type: </div> <div> Chem: Left Gal: Owner at ABD: Last Use: Aband: Method: Under Dispnr Cont: Drop Tube: Tank Const: Tank Protect: Tank Tested: Tank Cont Meth: Pipe Cont Meth: Pipe Protect: Pipe Tested: Pipe Const: Piping Type: </div> </div>						
<div> <div> 4 N Abandoned 500 Waste oil, burnt oil, used oil </div> <div> Single wall Single wall Steel </div> </div>						
<div> <div> RENTAL UNIFORM SERVICE 12/16/1991 Removed False False Steel </div> <div> Single wall Single wall Steel </div> </div>						
<u>Tank Information - UST 'C' List</u>						
<div> <div> Tank No: Capacity Gal: Status Code: Status: Chemical: Age at Notif. Years: Owner: Tank Owner Contact: Street: Tank Owner City: </div> <div> 3 12000 ABD Abandoned DL RENTAL UNIFORM SERVICE RAY GIBSON 906 S CHURCH ST FLORENCE </div> </div>						
<div> <div> Tank Owner State: Tank Owner Zip: Tank Owner Phone: Facility: Contact 1: Phone 1: Facility Address: City 1: St 1: Zip 1: </div> <div> SC 29504 843-669-4444 RENTAL UNIFORM SERVICE RAY GIBSON 843-669-4444 906 S CHURCH ST FLORENCE SC 29504 </div> </div>						
<div> <div> Tank No: Capacity Gal: Status Code: Status: Chemical: Age at Notif. Years: Owner: Tank Owner Contact: Street: Tank Owner City: </div> <div> 1 20000 ABD Abandoned GN RENTAL UNIFORM SERVICE RAY GIBSON 906 S CHURCH ST FLORENCE </div> </div>						
<div> <div> Tank Owner State: Tank Owner Zip: Tank Owner Phone: Facility: Contact 1: Phone 1: Facility Address: City 1: St 1: Zip 1: </div> <div> SC 29504 843-669-4444 RENTAL UNIFORM SERVICE RAY GIBSON 843-669-4444 906 S CHURCH ST FLORENCE SC 29504 </div> </div>						
<div> <div> Tank No: Capacity Gal: Status Code: Status: Chemical: Age at Notif. Years: Owner: Tank Owner Contact: Street: Tank Owner City: </div> <div> 4 500 ABD Abandoned WO RENTAL UNIFORM SERVICE RAY GIBSON 906 S CHURCH ST FLORENCE </div> </div>						
<div> <div> Tank Owner State: Tank Owner Zip: Tank Owner Phone: Facility: Contact 1: Phone 1: Facility Address: City 1: St 1: Zip 1: </div> <div> SC 29504 843-669-4444 RENTAL UNIFORM SERVICE RAY GIBSON 843-669-4444 906 S CHURCH ST FLORENCE SC 29504 </div> </div>						
<div> <div> Tank No: Capacity Gal: </div> <div> 2 20000 </div> </div>						
<div> <div> Tank Owner State: Tank Owner Zip: </div> <div> SC 29504 </div> </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status Code:	ABD				Tank Owner Phone:	843-669-4444
Status:	Abandoned				Facility:	RENTAL UNIFORM SERVICE
Chemical:	DL				Contact 1:	RAY GIBSON
Age at Notif. Years:					Phone 1:	843-669-4444
Owner:	RENTAL UNIFORM SERVICE				Facility Address:	906 S CHURCH ST
Tank Owner Contact:	RAY GIBSON				City 1:	FLORENCE
Street:	906 S CHURCH ST				St 1:	SC
Tank Owner City:	FLORENCE				Zip 1:	29504

2 **4 of 12** **N** **0.01 / 79.16** **120.40 / 9** **RENTAL UNIFORM SERVICE
906 S CHURCH ST
FLORENCE SC 29504** **LUST**

Permit:	N 14312	Site No (EFIS):	
Category:		Facility Name (EFIS):	
No of Tanks:	4	Fac Address (EFIS):	
Billable:	0	Facility City (EFIS):	
Abandoned:	4	Facility State (EFIS):	
Other:	0	Facility Zip (EFIS):	
Last Inspection:		Facility (Web):	RENTAL UNIFORM SERVICE
Facility:	RENTAL UNIFORM SERVICE	Address (Web):	906 S CHURCH ST
Facility Street:	906 S CHURCH ST	City (Web):	FLORENCE
Facilit City:	FLORENCE	Zip Code (Web):	29504
Facility State :	SC	County (Web):	FLORENCE
Facility Zip:	29504	Phone (Web):	843-669-4444
County Code:	21	Tank Owner Phone:	843-669-4444
Fac County:		Land Owner Phone:	
Operator Phone:			
Business Address:	906 S CHURCH ST FLORENCE SC 29504		
Tank Owner Business Addr:	RENTAL UNIFORM SERVICE PO BOX 12410 FLORENCE SC 29504-0410		
Land Owner Business Addr:			
Operator Business Addr:			
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST14312		
Data Source:	SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024)		

DHEC Online Registry - Release Report

Release No:	1	Project Manager:	WRIGHT, JOHN
Source:	UST	Compliance Req:	False
Reported:	12/31/1991	Compliance Met:	False
Confirmed:	6/11/1992	Compliance Date:	
RBCA/ Score:	/	Abatement Met:	12/13/1991
Responsible Party:	RENTAL UNIFORM SERVICE	NFA:	10/25/1993
Product:		Fin Type:	
Emergency Resp:		Fin Res Mechanism:	
Superb Qualified:		Cleanup MCL:	
Superb Determ Date:		Cleanup Initiated:	3/12/1993
Transferred:		Cleanup Complete:	10/25/1993

DHEC Confirmed Release Report

Release No:	1	Confirmed:	6/11/1992
NFA:	10/25/1993	Tank Owner:	RENTAL UNIFORM SERVICE
Product:	PETRO	Status Desc:	
Proj Mgr:	WRIGHTJW	Score:	
Status:		Rank:	
Reported:	12/31/1991		
Rank Desc:			
Facility:	RENTAL UNIFORM SERVICE		
Facility Street:	906 S CHURCH ST		
Facility City:	FLORENCE		
Fac County:	Florence		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility Zip:		29504				
Facility State:		SC				

2	5 of 12	N	0.01 / 79.16	120.40 / 9	RUSF LLC 906 SOUTH CHURCH ST FLORENCE SC 29506	RCRA SQG
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Handler ID: SCR000781724
Generator Status: SQG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	Used Oil Transpor:	No
Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	NAIC 1:	812332
Seq No:	5	NAIC 2:	
Non Notifier:		NAIC 3:	
Receive Date:	20240122	NAIC 4:	
Active Site:	H----	State:	SC
Land Type:	P	Location Latitude:	34.181433
In Handler Univ:	Y	Location Longitude:	-79.761313
In A Universe:	Y	Loc GIS Primary:	N
Gen Status:	SQG	Loc GIS Origin:	AG
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		
State Waste Generator:	4		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	-----		
As Converter Tsdf:	-----		
As State Regulated Tsdf:	-----		
As State Regulated Handler:	---		
Federal Indicator:	---		
Hsm:	N		
Subpart K:	----		
GPRA Permit:	N		
GPRA Renewal:	N		
Permit Renewal Wrkld:	-----		
Permwrk ID:	-----		
Perm Prog:	-----		
Pcwrkld:	-----		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CloswrkId:		-----				
GPRA Ca:		N				
CawrkId:		N				
Subjca Tsd Discretion:		N				
NCAPS:		N				
EC Indicator:		N				
Ca725 Indicator:		N				
Ca750 Indicator:		N				
Operating Tsdf:		-----				
Full Enforcement:		-----				
Snc:		N				
Unaddressed Snc:		N				
Addressed Snc:		N				
Snc With Comp Sched:		N				
Fa Required:		-----				
Hhandler Last Change:		20240528				
Recognized Trader Importer:		N				
Recognized Trader Exporter:		N				
Slab Importer:		N				
Slab Exporter:		N				
Manifest Broker:		N				
Subpart P:		N				
Contact Language:		EN				
Handler Name:		RUSF LLC				
Location Street No:		906				
Location Street1:		SOUTH CHURCH ST				
Location Street2:						
Location City:		FLORENCE				
Location State:		SC				
Location Zip:		29506				
Location County Code:		SC041				
Location County Name:		FLORENCE				
Location Country:		US				
Contact Name:		JEFFREY WAGGONER				
Contact Street No:						
Contact Street1:		PO BOX 12410				
Contact Street2:						
Contact City:		FLORENCE				
Contact State:		SC				
Contact Zip:		29504				
Contact Country:		US				
Contact Phone And Ext:		407-920-8145				
Contact Fax:						
Contact Email Address:		BOBBLEFROB@MAC.COM				
Contact Title:		PRESIDENT				
Owner Name:		RUSF LLC				
Owner Type:		P				
Owner Seq:		1				
Operator Name:		RUSF LLC				
Operator Type:		P				
Operator Seq:		2				
Public Notes:						

Hazardous Waste Handler Details

Seq No: 1
 Receive Date: 20151007
 Handler Name: RUSF LLC
 Fed Waste Generator: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Waste Code: D039
 Waste Code Desc: TETRACHLOROETHYLENE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Seq No: 2
 Receive Date: 20160519
 Handler Name: RUSF LLC
 Fed Waste Generator: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Waste Code: D039
 Waste Code Desc: TETRACHLOROETHYLENE

Hazardous Waste Handler Details

Seq No: 3
 Receive Date: 20221118
 Handler Name: RUSF LLC
 Fed Waste Generator: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Waste Code: D039
 Waste Code Desc: TETRACHLOROETHYLENE

Hazardous Waste Handler Details

Seq No: 4
 Receive Date: 20230130
 Handler Name: RUSF LLC
 Fed Waste Generator: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Waste Code: D039
 Waste Code Desc: TETRACHLOROETHYLENE

Hazardous Waste Handler Details

Seq No: 5
 Receive Date: 20240122
 Handler Name: RUSF LLC
 Fed Waste Generator: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Waste Code: D039
 Waste Code Desc: TETRACHLOROETHYLENE

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Owner/Operator Ind:	Current Owner				Street No:	
Type:	Private				Street1:	PO BOX 12410
Name:	RUSF LLC				Street2:	
Dt Became Current:	20151007				City:	FLORENCE
Dt Ended Current:					State:	SC
Phone:	407-920-8145				Country:	US
Source Type:	Notification				Zip:	29504
Owner/Operator Ind:	Current Operator				Street No:	
Type:	Private				Street1:	PO BOX 12410
Name:	RUSF LLC				Street2:	
Dt Became Current:	20151007				City:	FLORENCE
Dt Ended Current:					State:	SC
Phone:	407-920-8145				Country:	US
Source Type:	Notification				Zip:	29504
<hr/>						
<u>Historical Handler Details</u>						
Receive Dt:	20230130					
Generator Code Description:	Small Quantity Generator					
Handler Name:	RUSF LLC					
Receive Dt:	20221118					
Generator Code Description:	Small Quantity Generator					
Handler Name:	RUSF LLC					
Receive Dt:	20160519					
Generator Code Description:	Small Quantity Generator					
Handler Name:	RUSF LLC					
Receive Dt:	20151007					
Generator Code Description:	Small Quantity Generator					
Handler Name:	RUSF LLC					
<hr/>						
<u>2</u>	6 of 12	N	0.01 / 79.16	120.40 / 9	RENTAL UNIFORM SERVICE 906 S CHURCH ST FLORENCE SC 29504	ICIS
EPA Region:	04				Federal Fac ID:	
Registry ID:	110012164861				Tribal Land Code:	
Pgm Sys ID:	SC00010400110				County:	Florence
Pgm Sys Acnm:	AIR				Latitude 83:	
Permit Type:					Longitude 83:	
<hr/>						
<u>2</u>	7 of 12	N	0.01 / 79.16	120.40 / 9	RUSF LLC 906 SOUTH CHURCH ST FLORENCE SC 29506	FINDS/FRS
Registry ID:	110066987096					
FIPS Code:	45041					
HUC Code:	03040201					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	25-NOV-15					
Update Date:						
Interest Types:	SQG					
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:	812332					
NAICS Code Descriptions:	INDUSTRIAL LAUNDERERS.					
Conveyor:	FRS-GEocode					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code:
County Name:
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum:
Source:
Facility Detail Rprt URL:
Program Acronyms:

06
450410007003011
04
FLORENCE

34.182999
-79.761199
ENTRANCE POINT OF A FACILITY OR STATION
ADDRESS MATCHING-HOUSE NUMBER
50
NAD83

https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066987096

RCRAINFO:SCR000781724

2
8 of 12
N
0.01 / 79.16
120.40 / 9
RENTAL UNIFORM SERVICE
906 S CHURCH ST
FLORENCE SC 29504
VCP

File No:
Project Status Code:
Funds 128(A) Utilized:
Resp Action Planned:
Cleanup Contract Complete Dt:

418442
ACTIVE
No
No

Restrict Filed Dt:
Project Complete Dt:
Brownfields Type:

Not yet recorded.
Not yet completed.

Detail

Execute Date:
Lat Long:
Acreage:
Owner:
Contamination on Site:
Land Use Restriction:

6/30/2016
34.17878, -79.76022

RENTAL UNIFORM SERVICE
Volatile Organic Compounds
We do not have enough information yet to determine whether restrictions will be required.

2
9 of 12
N
0.01 / 79.16
120.40 / 9
Rental Uniform Service - Florence Site
906 South Church Street
Florence SC
REMEDATION

LWM File No:
Date:
County:
Tax Map Serial No:
Location:

41822
06/30/2016
Florence
00149-01-009
The Property includes approximately 17.10 acres and is bounded generally by South Church Street on the west; the former Land-O-Sun Dairies facility on the south; residential properties and June Lane on the east; and commercial property and East Prout Drive on the north.

Document Title:
Attachments URL:
Document URL:

Responsible Party Voluntary Cleanup Contract

https://scdhec.gov/sites/default/files/docs/HomeAndEnvironment/Docs/6247_41822_rpvcc.pdf

2
10 of 12
N
0.01 / 79.16
120.40 / 9
RENTAL UNIFORM SERVICE
906 S CHURCH ST
FLORENCE SC
DELISTED LST

57

erisinfo.com | Environmental Risk Information Services

Order No: 25061100519

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Delisted Leaking Above Ground Storage Tanks Details

Site ID: 631
Release No: 1
Project Manager: WRIGHT JOHN
Status: CLOSED
Impacted Code: NO
Type:
Release Date: 3/30/1995
Confirmed:
NFA Dt: 4/7/1995
Transfer:
Product:
Source:
Tier:
Truncated Note:
Soil Impact Code:
User Name: WRIGHTJW
Release Xfer Date:
Suspect NFA Date: 4/7/1995
Release Source Code:
Cleanup Complete Dt:
Local Fac Last Name: RENTAL UNIFORM SERVICE
Local Fac First Name:
Address 2:
State Code: SC
County: Florence
Zip Code: 29504
Local Fac County: 21
District Code: 8
Rp Identifier 1: RENTAL UNIFORM SERVICE
Rp Identifier 2:
Product 2:
Product 3:
Product 4:
Source 2:
Source 3:
Source 4:
Original Source: LAST
Record Date: 02-DEC-2019

2	11 of 12	N	0.01 / 79.16	120.40 / 9	RUSF LLC 906 S CHURCH ST, FLORENCE, SC, 29504, US SC	UIC
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Permit No: SCHE03020585
Status: Expired
Program: Water - UIC
Category: WTR - Underground Injection Operating
Permittee: RUSF LLC
Permittee Address: 906 S CHURCH ST, FLORENCE, SC, 29506, US
Type: Area Permit
Latitude:
Longitude:
County: Florence

2	12 of 12	N	0.01 / 79.16	120.40 / 9	RENTAL UNIFORM SERVICES: FLORENCE 906 S CHURCH ST FLORENCE SC 29506	AFS
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Afs ID: 4504100110
Plant ID: 1006070
Epa Region: 04
Plant County: Florence
State No: 45
Primary Sic Code: 7218
Secondary Sic Code:
Naics Code: 812332
Fed Reportable: No
Current Hpv:
Loc Contrl Region:
Afs Gov Fac Code: 0
Operating Status: O
Epa Class Code: B
Epa Complian Stat: 3
State Comp Status: 3

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Afs Gov Facility Des: PRIVATELY OWNED/OPERATED
Operating Status Def: Operating
Epa Classification Des: Potential uncontrolled emissions <100 tons/year
Epa Compliance Status: In Compliance - Inspection
State Compliance Status: In Compliance - Inspection

Actions

Plant ID:	1006070	National Actn Type:	PS
Anu1:	6	All Air Prog Codes:	0
Date Achieved:	20130724	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20130814	Violating Poll Cds:	
Creation Date:	20120927	Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1006070	National Actn Type:	PS
Anu1:	5	All Air Prog Codes:	0
Date Achieved:	20110301	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20110323	Violating Poll Cds:	
Creation Date:	20091130	Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1006070	National Actn Type:	PS
Anu1:	2	All Air Prog Codes:	0
Date Achieved:	20070125	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20071130	Violating Poll Cds:	
Creation Date:		Violation Type Cds:	
Key Action No:			
Regional Data Element:	1		
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1006070	National Actn Type:	PS
Anu1:	3	All Air Prog Codes:	0
Date Achieved:	20080818	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20080905	Violating Poll Cds:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Creation Date:	20080325	Violation Type Cds:			
Key Action No:					
Regional Data Element:	1				
National Action Desc:	STATE PCE/ON-SITE				
All Air Program Def:	0-SIP Source				
Result Def:					
Pollutant Def:					
All Violating Poll Def:					
All Violation Type Def:					

Actions

Plant ID:	1006070	National Actn Type:	PS
Anu1:	1	All Air Prog Codes:	0
Date Achieved:	20020221	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20071130	Violating Poll Cds:	
Creation Date:		Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Actions

Plant ID:	1006070	National Actn Type:	PS
Anu1:	4	All Air Prog Codes:	0
Date Achieved:	20090805	Result Code:	21
Penalty Amount:	0	Pollutant Code:	
Record Updated Dt:	20090922	Violating Poll Cds:	
Creation Date:	20090922	Violation Type Cds:	
Key Action No:			
Regional Data Element:			
National Action Desc:	STATE PCE/ON-SITE		
All Air Program Def:	0-SIP Source		
Result Def:			
Pollutant Def:			
All Violating Poll Def:			
All Violation Type Def:			

Historical Compliance - Air Program Level

Air Program Code:	0
Air Program Code Ref:	SIP Source
Historical Compliance Date:	0604, 0701, 0702, 0703, 0704, 0801, 0802, 0803, 0804, 0901, 0902, 0903, 0904, 1001, 1002, 1003, 1004, 1101, 1102, 1103, 1104, 1201, 1202, 1203, 1204, 1301
Historical Compliance Status:	4
Historical Compliance Stat Ref:	In Compliance - Certification

Historical Compliance - Air Program Level

Air Program Code:	0
Air Program Code Ref:	SIP Source
Historical Compliance Date:	1302, 1303, 1304, 1401, 1402, 1403
Historical Compliance Status:	3
Historical Compliance Stat Ref:	In Compliance - Inspection

Air Program

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Plant ID:	1006070				Poll Classificatn:	ND
Air Program Code:	0				Poll Compli Status:	8
Air Program Status:	O				Epa Class Code:	B
Pollutant Code:	PX				Epa Compli Status:	3
Chemical Abstract Service						
Nmbr:						
Air Program Code Subparts:						
Air Program Code Ref:		SIP Source				
Epa Classification Code Ref:		Potential uncontrolled emissions <100 tons/year				
Epa Compliance Status Ref:		In Compliance - Inspection				
Pollutant Code Ref:						
Pollutant Classification Ref:		Major Source thresholds are not defined.				
Pollutant Complian Status Ref:		No Applicable State Regulation				
 <u>Air Program</u>						
Plant ID:	1006070				Poll Classificatn:	B
Air Program Code:	0				Poll Compli Status:	3
Air Program Status:	O				Epa Class Code:	B
Pollutant Code:	NO2				Epa Compli Status:	3
Chemical Abstract Service						
Nmbr:						
Air Program Code Subparts:						
Air Program Code Ref:		SIP Source				
Epa Classification Code Ref:		Potential uncontrolled emissions <100 tons/year				
Epa Compliance Status Ref:		In Compliance - Inspection				
Pollutant Code Ref:						
Pollutant Classification Ref:		Potential uncontrolled emissions <100 tons/year				
Pollutant Complian Status Ref:		In Compliance - Inspection				
 <u>Air Program</u>						
Plant ID:	1006070				Poll Classificatn:	B
Air Program Code:	0				Poll Compli Status:	3
Air Program Status:	O				Epa Class Code:	B
Pollutant Code:	SO2				Epa Compli Status:	3
Chemical Abstract Service						
Nmbr:						
Air Program Code Subparts:						
Air Program Code Ref:		SIP Source				
Epa Classification Code Ref:		Potential uncontrolled emissions <100 tons/year				
Epa Compliance Status Ref:		In Compliance - Inspection				
Pollutant Code Ref:						
Pollutant Classification Ref:		Potential uncontrolled emissions <100 tons/year				
Pollutant Complian Status Ref:		In Compliance - Inspection				

<u>3</u>	1 of 1	N	0.13 / 699.49	131.04 / 20	GAYMON MOTORS 131 S OAK RD FLORENCE SC 29505	RCRA VSQG
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Handler ID: SC0000094581
 Generator Status: VSG
 Recycler Activity?: NO
 Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer: No Used Oil Transpor: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mixed Waste Gen:	No				Used Oil Trans Fac:	No
Transporter:	No				Used Oil Processor:	No
Transfer Facility:	No				Used Oil Refiner:	No
Recycler:	No				Used Oil Burner:	No
Onsite Burner Exem:	No				Commercial TSD:	No
Furnace Exemption:	No				Recycl Nonstorage:	No
Underground Injec:	No					
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Additional Handler Summary Details

Source Type:	N			NAIC 1:	
Seq No:	2			NAIC 2:	
Non Notifier:				NAIC 3:	
Receive Date:	20020327			NAIC 4:	
Active Site:	H----			State:	SC
Land Type:	P			Location Latitude:	34.182794
In Handler Univ:	Y			Location Longitude:	-79.756937
In A Universe:	Y			Loc GIS Primary:	N
Gen Status:	VSG			Loc GIS Origin:	AG
Report Cycle:				State District Owner:	SC
Accessibility:				State District:	PD
Region:	04				
Fed Waste Gen Owner:		HQ			
State Waste Generator Owner:		SC			
State Waste Generator:		4			
Short Term Generator:		N			
Uni Waste:		N			
Universal Waste Dest Facility:		N			
Federal Universal Waste:		N			
As Federally Regulated Tsdf:		-----			
As Converter Tsdf:		-----			
As State Regulated Tsdf:		-----			
As State Regulated Handler:		---			
Federal Indicator:		---			
Hsm:		N			
Subpart K:		----			
GPRA Permit:		N			
GPRA Renewal:		N			
Permit Renewal Wrkld:		-----			
Permrk ID:		-----			
Perm Prog:		-----			
Pcwrkld:		-----			
Closwrkld:		-----			
GPRA Ca:		N			
Cawrkld:		N			
Subjca Tsd Discretion:		N			
NCAPS:		N			
EC Indicator:		N			
Ca725 Indicator:		N			
Ca750 Indicator:		N			
Operating Tsdf:		-----			
Full Enforcement:		-----			
Snc:		N			
Unaddressed Snc:		N			
Addressed Snc:		N			
Snc With Comp Sched:		N			
Fa Required:		----			
Hhandler Last Change:		20140729			
Recognized Trader Importer:		N			
Recognized Trader Exporter:		N			
Slab Importer:		N			
Slab Exporter:		N			
Manifest Broker:		N			
Subpart P:		N			
Contact Language:		EN			
Handler Name:		GAYMON MOTORS			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Location Street No:		131				
Location Street1:		S OAK RD				
Location Street2:						
Location City:		FLORENCE				
Location State:		SC				
Location Zip:		29505				
Location County Code:		SC041				
Location County Name:		FLORENCE				
Location Country:		US				
Contact Name:		EDWARD GAYMON				
Contact Street No:						
Contact Street1:		131 S OAK RD				
Contact Street2:						
Contact City:		FLORENCE				
Contact State:		SC				
Contact Zip:		29505				
Contact Country:		US				
Contact Phone And Ext:		803-669-9505				
Contact Fax:						
Contact Email Address:						
Contact Title:						
Owner Name:		GAYMON EDWARD				
Owner Type:		P				
Owner Seq:		1				
Operator Name:						
Operator Type:						
Operator Seq:						
Public Notes:						

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19931220
Handler Name: GAYMON MOTORS
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Seq No: 2
Receive Date: 20020327
Handler Name: GAYMON MOTORS
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: F001
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	
Waste Code:		F003				
Waste Code Desc:		THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.				
Waste Code:		F005				
Waste Code Desc:		THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.				
<u>Owner/Operator Details</u>						
Owner/Operator Ind:	Current Owner			Street No:		
Type:	Private			Street1:	131 S OAK RD	
Name:	GAYMON EDWARD			Street2:		
Dt Became Current:				City:	FLORENCE	
Dt Ended Current:				State:	SC	
Phone:	803-664-4505			Country:		
Source Type:	Notification			Zip:	29505	
<u>Historical Handler Details</u>						
Receive Dt:	19931220					
Generator Code Description:	Very Small Quantity Generator					
Handler Name:	GAYMON MOTORS					
<u>4</u>	1 of 3	NE	0.15 / 812.30	123.37 / 12	SCDMR PEE DEE 714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230	UST
Site No:	14299			Facility ID (Prohib):		
Permit:	N 14299			Fac Name (Prohib):		
Category:	State Government			Fac Addr (Prohib):		
No of Tanks:	1			Fac City (Prohib):		
Billable:	0			Facility Name (Web):	SCDMR PEE DEE	
Abandoned:	1			Facility Addr (Web):	714 E NATIONAL CEMETERY RD	
Other:	0			Facility City (Web):	FLORENCE	
Last Inspection:				Zip Code (Web):	29506-3230	
Facility Name:	SCDMR PEE DEE			County (Web):		
Facility Address:	714 E NATIONAL CEMETERY RD			Phone (Web):		
Facility Zip:	29506-3230			Tank Owner Phone:	803-898-9769	
Facility Phone:				Land Owner Phone:		
Facility State:	SC			Operator Phone:		
Facility City:	FLORENCE			Facility Contact:	JAMES HARRIS	
County Code:	21					
Business Address:	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230					
Tank Owner Business Address:	SC DEPARTMENT OF DISABILITIES AND SPECIAL NEEDS 3440 HARDEN ST EXT COLUMBIA SC 29203-6835					
Land Owner Business Address:						
Operator Business Address:						
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST14299					
Source:	SCDES Underground Storage Tank Registry (Web); SCDES Management Tracking UST 'C' List					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tank Information - UST Registry Search

Tank No:	1	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	SC DEPARTMENT OF DISABILITIES AND SPECIAL NEEDS
Status:	Abandoned	Last Use:	1/1/1977
Capacity:	500	Aband:	11/4/1996
Variance:		Method:	Removed
Product:	Gasoline	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:	11/22/1991	Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:	5	Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Tank Information - UST 'C' List

Tank No:	1	Tank Owner State:	SC
Capacity Gal:	500	Tank Owner Zip:	29203-6835
Status Code:	ABD	Tank Owner Phone:	803-898-9769
Status:	Abandoned	Facility:	SCDMR PEE DEE
Chemical:	GN	Contact 1:	JAMES HARRIS
Age at Notif. Years:	5	Phone 1:	
Owner:	SC DEPARTMENT OF DISABILITIES AND SPECIAL NEEDS	Facility Address:	714 E NATIONAL CEMETERY RD
Tank Owner Contact:	JAMES HARRIS	City 1:	FLORENCE
Street:	3440 HARDEN ST EXT	St 1:	SC
Tank Owner City:	COLUMBIA	Zip 1:	29506-3230

Tank Information - Financial Responsibility

Financial Mechanism:	Exempt
Expiration Date:	

4	2 of 3	NE	0.15 / 812.30	123.37 / 12	SCMDMR 714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230	UST
Site No:	3213	Facility ID (Prohib):				
Permit:	N 03213	Fac Name (Prohib):				
Category:	State Government	Fac Addr (Prohib):				
No of Tanks:	2	Fac City (Prohib):				
Billable:	0	Facility Name (Web):	SCMDMR			
Abandoned:	2	Facility Addr (Web):	714 E NATIONAL CEMETERY RD			
Other:	0	Facility City (Web):	FLORENCE			
Last Inspection:		Zip Code (Web):	29506-3230			
Facility Name:	SCMDMR	County (Web):				
Facility Address:	714 E NATIONAL CEMETERY RD	Phone (Web):				
Facility Zip:	29506-3230	Tank Owner Phone:	803-669-3661			
Facility Phone:		Land Owner Phone:				
Facility State:	SC	Operator Phone:				
Facility City:	FLORENCE	Facility Contact:	JOHNNY MONTROSE			
County Code:	21					
Business Address:	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230					
Tank Owner Business Address:	SC DEPT OF MENTAL RETARDATION					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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PO BOX 3209
FLORENCE SC 29502-3209

Land Owner Business Address:

Operator Business Address:

Facility Link:

<https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03213>

Source:

SCDES Underground Storage Tank Registry (Web); SCDES Management Tracking UST 'C' List

Tank Information - UST Registry Search

Tank No:	1	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	
Status:	Abandoned	Last Use:	
Capacity:	2000	Aband:	6/1/1989
Variance:		Method:	Removed
Product:	Gasoline	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:		Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:		Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Tank No:	2	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	
Status:	Abandoned	Last Use:	
Capacity:	1000	Aband:	6/1/1989
Variance:		Method:	Removed
Product:	Gasoline	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	
Operat Date:		Tank Tested:	
Notify:		Tank Cont Meth:	Single wall
Spill Prevention:		Pipe Cont Meth:	Single wall
Compliance:		Pipe Protect:	
Comp Status:		Pipe Tested:	
Age at Notif:		Pipe Const:	Steel
Dist to Well (ft):		Piping Type:	
Tank Leak Det:			
Pipe Leak Det:			

Tank Information - UST 'C' List

Tank No:	1	Tank Owner State:	SC
Capacity Gal:	2000	Tank Owner Zip:	29502-3209
Status Code:	ABD	Tank Owner Phone:	803-669-3661
Status:	Abandoned	Facility:	SCMDMR
Chemical:	GN	Contact 1:	JOHNNY MONTROSE
Age at Notif. Years:		Phone 1:	
Owner:	SC DEPT OF MENTAL RETARDATION	Facility Address:	714 E NATIONAL CEMETERY RD
Tank Owner Contact:	JOHNNY MONTROSE	City 1:	FLORENCE
Street:	PO BOX 3209	St 1:	SC
Tank Owner City:	FLORENCE	Zip 1:	29506-3230
Tank No:	2	Tank Owner State:	SC
Capacity Gal:	1000	Tank Owner Zip:	29502-3209
Status Code:	ABD	Tank Owner Phone:	803-669-3661
Status:	Abandoned	Facility:	SCMDMR
Chemical:	GN	Contact 1:	JOHNNY MONTROSE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Age at Notif. Years:					Phone 1:	
Owner:	SC DEPT OF MENTAL RETARDATION				Facility Address:	714 E NATIONAL CEMETERY RD
Tank Owner Contact:	JOHNNY MONTROSE				City 1:	FLORENCE
Street:	PO BOX 3209				St 1:	SC
Tank Owner City:	FLORENCE				Zip 1:	29506-3230

Tank Information - Financial Responsibility

Financial Mechanism:	Exempt
Expiration Date:	

<u>4</u>	3 of3	NE	0.15 / 812.30	123.37 / 12	SCDMR PEE DEE 714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230	LUST
Permit:	N 14299				Site No (EFIS):	
Category:	State Government				Facility Name (EFIS):	
No of Tanks:	1				Fac Address (EFIS):	
Billable:	0				Facility City (EFIS):	
Abandoned:	1				Facility State (EFIS):	
Other:	0				Facility Zip (EFIS):	
Last Inspection:					Facility (Web):	SCDMR PEE DEE
Facility:	SCDMR PEE DEE				Address (Web):	714 E NATIONAL CEMETERY RD
Facility Street:	714 E NATIONAL CEMETERY RD				City (Web):	FLORENCE
Facilit City:	FLORENCE				Zip Code (Web):	29506-3230
Facility State :	SC				County (Web):	FLORENCE
Facility Zip:	29506-3230				Phone (Web):	
County Code:	21				Tank Owner Phone:	803-898-9769
Fac County:					Land Owner Phone:	
Operator Phone:						
Business Address:	714 E NATIONAL CEMETERY RD FLORENCE SC 29506-3230					
Tank Owner Business Addr:	SC DEPARTMENT OF DISABILITIES AND SPECIAL NEEDS 3440 HARDEN ST EXT COLUMBIA SC 29203-6835					
Land Owner Business Addr:						
Operator Business Addr:						
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST14299					
Data Source:	SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024)					

DHEC Online Registry - Release Report

Release No:	1	Project Manager:	GLYPH-FANT, REBA M
Source:	UST	Compliance Req:	False
Reported:	12/9/1996	Compliance Met:	False
Confirmed:	12/9/1996	Compliance Date:	
RBCA/ Score:	/	Abatement Met:	
Responsible Party:	SC DEPARTMENT OF DISABILITIES AND SPECIAL NEEDS	NFA:	2/18/1997
Product:		Fin Type:	Unknown
Emergency Resp:		Fin Res Mechanism:	
Superb Qualified:		Cleanup MCL:	
Superb Determ Date:		Cleanup Initiated:	2/18/1997
Transferred:		Cleanup Complete:	2/18/1997
Release No:	0	Project Manager:	BERENBROK, MARK K
Source:		Compliance Req:	False
Reported:	6/17/1993	Compliance Met:	False
Confirmed:		Compliance Date:	
RBCA/ Score:	/	Abatement Met:	
Responsible Party:		NFA:	7/20/1995
Product:		Fin Type:	
Emergency Resp:		Fin Res Mechanism:	
Superb Qualified:		Cleanup MCL:	
Superb Determ Date:		Cleanup Initiated:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Transferred:

Cleanup Complete:

DHEC Confirmed Release Report

Release No:	1	Confirmed:	12/9/1996
NFA:	2/18/1997	Tank Owner:	SC DEPARTMENT OF DISABILITIES AND SPECIAL NEEDS
Product:	PETRO	Status Desc:	
Proj Mgr:	FANTRM	Score:	
Status:		Rank:	
Reported:	12/9/1996		
Rank Desc:			
Facility:	SCDMR PEE DEE		
Facility Street:	714 E NATIONAL CEMETERY RD		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29506-3230		
Facility State:	SC		

<u>5</u>	1 of 2	NNW	0.25 / 1,308.32	129.62 / 19	B & P MART 210 NATIONAL CEMETERY RD FLORENCE SC 29506	UST
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Site No:	9991	Facility ID (Prohib):	
Permit:	P 09991	Fac Name (Prohib):	
Category:	Retail Sales	Fac Addr (Prohib):	
No of Tanks:	5	Fac City (Prohib):	
Billable:	5	Facility Name (Web):	B & P MART
Abandoned:	0	Facility Addr (Web):	210 NATIONAL CEMETERY RD
Other:	0	Facility City (Web):	FLORENCE
Last Inspection:	10/2/2024	Zip Code (Web):	29506
Facility Name:	B & P MART	County (Web):	
Facility Address:	210 NATIONAL CEMETERY RD	Phone (Web):	843-472-9065
Facility Zip:	29506	Tank Owner Phone:	843-472-9065
Facility Phone:	843-472-9065	Land Owner Phone:	843-472-9065
Facility State:	SC	Operator Phone:	843-230-7837
Facility City:	FLORENCE	Facility Contact:	
County Code:	21		
Business Address:	210 NATIONAL CEMETERY RD FLORENCE SC 29506		
Tank Owner Business Address:	PATEL, PREETI 922 RICE PLANTERS LN FLORENCE SC 29501		
Land Owner Business Address:	PATEL, PREETI 922 RICE PLANTERS LN FLORENCE SC 29501		
Operator Business Address:	PATEL, CHANDRI 210 E NATIONAL CEMETERY RD FLORENCE SC 29506-3223		
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST09991		
Source:	SCDES Underground Storage Tank Registry (Web); SCDES Management Tracking UST 'C' List		

Tank Information - UST Registry Search

Tank No:	2	Chem:	
Case No:		Left Gal:	
Class:	P	Owner at ABD:	
Status:	Currently in Use	Last Use:	
Capacity:	10000	Aband:	
Variance:		Method:	
Product:	Diesel fuel	Under Dispnr Cont:	False
Overfill Type:	Drop Tube Shut-off	Drop Tube:	True
Verified:	11/21/2020	Tank Const:	Steel Clad
Constr Date:	2/12/1986	Tank Protect:	Fiberglass Coating
Operat Date:	5/9/1986	Tank Tested:	
Notify:	2/12/1986	Tank Cont Meth:	Single wall

69 erisinfo.com | Environmental Risk Information Services Order No: 25061100519

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Notify:	2/12/1986				Tank Cont Meth:	Single wall
Spill Prevention:	8/22/2001				Pipe Cont Meth:	Single wall
Compliance:	11/20/2024				Pipe Protect:	Fiberglass
Comp Status:	In Compliance				Pipe Tested:	
Age at Notif:	0				Pipe Const:	Fiberglass reinforced plastic
Dist to Well (ft):	6000				Piping Type:	Pressure
Tank Leak Det:		Statistical Inventory Reconciliation				
		10/23/2024				
Pipe Leak Det:		Mechanical Line Leak Detector				
		10/23/2024				
		Statistical Inventory Reconciliation				
		10/23/2024				
Tank No:	3				Chem:	
Case No:					Left Gal:	
Class:	P				Owner at ABD:	
Status:	Currently in Use				Last Use:	
Capacity:	8000				Aband:	
Variance:					Method:	
Product:	Gasoline Super/Prem				Under Dispnr Cont:	False
Overfill Type:	Drop Tube Shut-off				Drop Tube:	True
Verified:	11/21/2020				Tank Const:	Steel Clad
Constr Date:	2/12/1986				Tank Protect:	Fiberglass Coating
Operat Date:	5/9/1986				Tank Tested:	
Notify:	2/12/1986				Tank Cont Meth:	Single wall
Spill Prevention:	8/22/2001				Pipe Cont Meth:	Single wall
Compliance:	11/20/2024				Pipe Protect:	Fiberglass
Comp Status:	In Compliance				Pipe Tested:	
Age at Notif:	0				Pipe Const:	Fiberglass reinforced plastic
Dist to Well (ft):	6000				Piping Type:	Pressure
Tank Leak Det:		Statistical Inventory Reconciliation				
		10/23/2024				
Pipe Leak Det:		Statistical Inventory Reconciliation				
		10/23/2024				
		Mechanical Line Leak Detector				
		10/23/2024				

Tank Information - UST 'C' List

Tank No:	4	Tank Owner State:	SC
Capacity Gal:	4000	Tank Owner Zip:	29501
Status Code:	EOU	Tank Owner Phone:	843-472-9065
Status:	Extended Out of Use	Facility:	B & P MART
Chemical:	DL	Contact 1:	
Age at Notif. Years:	0	Phone 1:	843-472-9065
Owner:	PATEL	Facility Address:	210 NATIONAL CEMETERY RD
Tank Owner Contact:		City 1:	FLORENCE
Street:	922 RICE PLANTERS LN	St 1:	SC
Tank Owner City:	FLORENCE	Zip 1:	29506
Tank No:	2	Tank Owner State:	SC
Capacity Gal:	10000	Tank Owner Zip:	29501
Status Code:	CIU	Tank Owner Phone:	843-472-9065
Status:	Currently in Use	Facility:	B & P MART
Chemical:	DL	Contact 1:	
Age at Notif. Years:	0	Phone 1:	843-472-9065
Owner:	PATEL	Facility Address:	210 NATIONAL CEMETERY RD
Tank Owner Contact:		City 1:	FLORENCE
Street:	922 RICE PLANTERS LN	St 1:	SC
Tank Owner City:	FLORENCE	Zip 1:	29506
Tank No:	3	Tank Owner State:	SC
Capacity Gal:	8000	Tank Owner Zip:	29501
Status Code:	CIU	Tank Owner Phone:	843-472-9065
Status:	Currently in Use	Facility:	B & P MART
Chemical:	PREM	Contact 1:	
Age at Notif. Years:	0	Phone 1:	843-472-9065
Owner:	PATEL	Facility Address:	210 NATIONAL CEMETERY RD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Owner Contact:			City 1:		FLORENCE	
Street:	922 RICE PLANTERS LN		St 1:		SC	
Tank Owner City:	FLORENCE		Zip 1:		29506	
Tank No:	5		Tank Owner State:		SC	
Capacity Gal:	1000		Tank Owner Zip:		29501	
Status Code:	CIU		Tank Owner Phone:		843-472-9065	
Status:	Currently in Use		Facility:		B & P MART	
Chemical:	KN		Contact 1:			
Age at Notif. Years:	0		Phone 1:		843-472-9065	
Owner:	PATEL		Facility Address:		210 NATIONAL CEMETERY RD	
Tank Owner Contact:			City 1:		FLORENCE	
Street:	922 RICE PLANTERS LN		St 1:		SC	
Tank Owner City:	FLORENCE		Zip 1:		29506	
Tank No:	1		Tank Owner State:		SC	
Capacity Gal:	10000		Tank Owner Zip:		29501	
Status Code:	CIU		Tank Owner Phone:		843-472-9065	
Status:	Currently in Use		Facility:		B & P MART	
Chemical:	RUL		Contact 1:			
Age at Notif. Years:	0		Phone 1:		843-472-9065	
Owner:	PATEL		Facility Address:		210 NATIONAL CEMETERY RD	
Tank Owner Contact:			City 1:		FLORENCE	
Street:	922 RICE PLANTERS LN		St 1:		SC	
Tank Owner City:	FLORENCE		Zip 1:		29506	

Tank Information - Financial Responsibility

Financial Mechanism: Self Insurance 280.101
Expiration Date: 7/31/2025

5	2 of 2	NNW	0.25 / 1,308.32	129.62 / 19	B & P MART 210 NATIONAL CEMETERY RD FLORENCE SC 29506	LUST
Permit:	P 09991			Site No (EFIS):	UST-09991	
Category:	Retail Sales			Facility Name (EFIS):	B & P MART	
No of Tanks:	5			Fac Address (EFIS):	210 NATIONAL CEMETERY RD	
Billable:	5			Facility City (EFIS):	FLORENCE	
Abandoned:	0			Facility State (EFIS):	SC	
Other:	0			Facility Zip (EFIS):	29506	
Last Inspection:	10/2/2024			Facility (Web):	B & P MART	
Facility:	B & P MART			Address (Web):	210 NATIONAL CEMETERY RD	
Facility Street:	210 NATIONAL CEMETERY RD			City (Web):	FLORENCE	
Facilit City:	FLORENCE			Zip Code (Web):	29506	
Facility State :	SC			County (Web):	FLORENCE	
Facility Zip:	29506			Phone (Web):	843-472-9065	
County Code:	21			Tank Owner Phone:	843-472-9065	
Fac County:				Land Owner Phone:	843-472-9065	
Operator Phone:	843-230-7837					
Business Address:	210 NATIONAL CEMETERY RD FLORENCE SC 29506					
Tank Owner Business Addr:	PATEL, PREETI 922 RICE PLANTERS LN FLORENCE SC 29501					
Land Owner Business Addr:	PATEL, PREETI 922 RICE PLANTERS LN FLORENCE SC 29501					
Operator Business Addr:	PATEL, CHANDRI 210 E NATIONAL CEMETERY RD FLORENCE SC 29506-3223					
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST09991					
Data Source:	SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024); DHEC LUST Data (EFIS) (as of 5 Sep 2017)					

DHEC Online Registry - Release Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Release No:	2				Project Manager:	PLACE, DENISE M
Source:	UST				Compliance Req:	True
Reported:	8/26/2013				Compliance Met:	False
Confirmed:	8/30/2013				Compliance Date:	
RBCA/ Score:	/				Abatement Met:	
Responsible Party:	CIRCLE K STORES INC				NFA:	8/30/2013
Product:					Fin Type:	
Emergency Resp:					Fin Res Mechanism:	
Superb Qualified:					Cleanup MCL:	
Superb Determ Date:					Cleanup Initiated:	8/30/2013
Transferred:					Cleanup Complete:	8/30/2013

Release No:	1				Project Manager:	MILENKOVA, MAIA P
Source:	UST				Compliance Req:	False
Reported:	6/30/1993				Compliance Met:	False
Confirmed:	6/30/1993				Compliance Date:	
RBCA/ Score:	4AA - Long term > 2 yr threat / 1				Abatement Met:	12/1/1994
Responsible Party:	CIRCLE K STORES INC				NFA:	7/25/2013
Product:					Fin Type:	With SUPERB
Emergency Resp:					Fin Res Mechanism:	
Superb Qualified:					Cleanup MCL:	
Superb Determ Date:					Cleanup Initiated:	6/30/1993
Transferred:					Cleanup Complete:	7/25/2013

DHEC Confirmed Release Report

Release No:	1				Confirmed:	6/30/1993
NFA:	7/25/2013				Tank Owner:	PREETI PATEL
Product:	PETRO				Status Desc:	
Proj Mgr:	MILENKMP				Score:	
Status:	1				Rank:	4AA
Reported:	6/30/1993					
Rank Desc:						
Facility:	B & P MART					
Facility Street:	210 NATIONAL CEMETERY RD					
Facility City:	FLORENCE					
Fac County:	Florence					
Facility Zip:	29506					
Facility State:	SC					

Release No:	2				Confirmed:	8/30/2013
NFA:	8/30/2013				Tank Owner:	PREETI PATEL
Product:					Status Desc:	
Proj Mgr:	PLACEDM				Score:	
Status:					Rank:	
Reported:	8/26/2013					
Rank Desc:						
Facility:	B & P MART					
Facility Street:	210 NATIONAL CEMETERY RD					
Facility City:	FLORENCE					
Fac County:	Florence					
Facility Zip:	29506					
Facility State:	SC					

DHEC EFIS Data Details (Revised 9/5/2017)

Release No:	1
Release Date:	6/30/1993
Project Mgr:	WS
Confirmed Date:	6/30/1993
Cleanup Comp Date:	7/25/2013
Cleanup Comp Mcl Dt:	
RP Name:	CIRCLE K STORES INC
RP Address:	1100 SITUS CT
RP City:	RALEIGH
RP State:	NC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RP Zip:		27606				
SSTL Estab Cd:		MR				
SCRBCA Class Cd:		CLASS4AA				
Depth to GW:		19				
GW Flow Dir Cod:		SW				
Receptor Type Cd:		MILENKOVA, MAIA P				
Rel Fin Type Cd:						
CoC Concentrate Cd:						

<u>6</u>	1 of 1	N	0.25 / 1,310.09	129.98 / 19	FOUR WAY STOP/KNC GROCERY 712 S CHURCH ST FLORENCE SC 29501	UST
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Site No:	19112	Facility ID (Prohib):	
Permit:	P 19112	Fac Name (Prohib):	
Category:	Retail Sales	Fac Addr (Prohib):	
No of Tanks:	2	Fac City (Prohib):	
Billable:	2	Facility Name (Web):	FOUR WAY STOP/KNC GROCERY
Abandoned:	0	Facility Addr (Web):	712 S CHURCH ST
Other:	0	Facility City (Web):	FLORENCE
Last Inspection:	10/2/2024	Zip Code (Web):	29501
Facility Name:	FOUR WAY STOP/KNC GROCERY	County (Web):	
Facility Address:	712 S CHURCH ST	Phone (Web):	843-673-9090
Facility Zip:	29501	Tank Owner Phone:	843-472-9065
Facility Phone:	843-673-9090	Land Owner Phone:	843-472-9065
Facility State:	SC	Operator Phone:	
Facility City:	FLORENCE	Facility Contact:	
County Code:	21		
Business Address:	712 S CHURCH ST FLORENCE SC 29501		
Tank Owner Business Address:	PATEL, PREETI 210 E NATIONAL CEMETERY RD FLORENCE SC 29506-3223		
Land Owner Business Address:	PATEL, PREETI 210 E NATIONAL CEMETERY RD FLORENCE SC 29506-3223		
Operator Business Address:	K&C GROCERY INC 712 S CHURCH ST FLORENCE SC 29506-3008		
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST19112		
Source:	SCDES Underground Storage Tank Registry (Web); SCDES Management Tracking UST 'C' List		

Tank Information - UST Registry Search

Tank No:	1	Chem:	
Case No:		Left Gal:	
Class:	P	Owner at ABD:	
Status:	Currently in Use	Last Use:	
Capacity:	20000	Aband:	
Variance:		Method:	
Product:	Multiple petroleum	Under Dispnr Cont:	True
Overfill Type:	Drop Tube Shut-off	Drop Tube:	True
Verified:	10/23/2024	Tank Const:	Steel Clad
Constr Date:	4/11/2005	Tank Protect:	Fiberglass Coating
Operat Date:	9/22/2005	Tank Tested:	
Notify:	4/11/2005	Tank Cont Meth:	Single wall
Spill Prevention:	7/12/2005	Pipe Cont Meth:	Single wall
Compliance:	11/8/2024	Pipe Protect:	Fiberglass
Comp Status:	In Compliance	Pipe Tested:	
Age at Notif:	0	Pipe Const:	Fiberglass reinforced plastic
Dist to Well (ft):	111	Piping Type:	Pressure
Tank Leak Det:	Automatic tank gauge 2/24/2022 Automatic tank gauge 2/24/2022		
Pipe Leak Det:	Mechanical Line Leak Detector 10/23/2024		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
		Line Tightness Test 10/23/2024 Line Tightness Test 10/23/2024 Mechanical Line Leak Detector 10/23/2024				
Tank No:	2				Chem:	
Case No:					Left Gal:	
Class:	P				Owner at ABD:	
Status:	Extended Out-of-Use				Last Use:	
Capacity:	2000				Aband:	
Variance:					Method:	
Product:	Kerosene				Under Dispnr Cont:	True
Overfill Type:	Drop Tube Shut-off				Drop Tube:	True
Verified:	10/23/2024				Tank Const:	Steel Clad
Constr Date:	4/11/2005				Tank Protect:	Fiberglass Coating
Operat Date:	9/22/2005				Tank Tested:	
Notify:	4/11/2005				Tank Cont Meth:	Single wall
Spill Prevention:	7/12/2005				Pipe Cont Meth:	Single wall
Compliance:	11/8/2024				Pipe Protect:	Fiberglass
Comp Status:	In Compliance				Pipe Tested:	
Age at Notif:	0				Pipe Const:	Fiberglass reinforced plastic
Dist to Well (ft):	111				Piping Type:	Pressure
Tank Leak Det:		Automatic tank gauge 10/23/2024				
Pipe Leak Det:		Mechanical Line Leak Detector 2/24/2022 Line Tightness Test 10/23/2024				
<u>Tank Information - UST 'C' List</u>						
Tank No:	1				Tank Owner State:	SC
Capacity Gal:	20000				Tank Owner Zip:	29506-3223
Status Code:	CIU				Tank Owner Phone:	843-472-9065
Status:	Currently in Use				Facility:	FOUR WAY STOP/KNC GROCERY
Chemical:	MP				Contact 1:	
Age at Notif. Years:	0				Phone 1:	843-673-9090
Owner:	PATEL				Facility Address:	712 S CHURCH ST
Tank Owner Contact:					City 1:	FLORENCE
Street:	210 E NATIONAL CEMETERY RD				St 1:	SC
Tank Owner City:	FLORENCE				Zip 1:	29501
Tank No:	2				Tank Owner State:	SC
Capacity Gal:	2000				Tank Owner Zip:	29506-3223
Status Code:	EOU				Tank Owner Phone:	843-472-9065
Status:	Extended Out of Use				Facility:	FOUR WAY STOP/KNC GROCERY
Chemical:	KN				Contact 1:	
Age at Notif. Years:	0				Phone 1:	843-673-9090
Owner:	PATEL				Facility Address:	712 S CHURCH ST
Tank Owner Contact:					City 1:	FLORENCE
Street:	210 E NATIONAL CEMETERY RD				St 1:	SC
Tank Owner City:	FLORENCE				Zip 1:	29501
<u>Tank Information - Financial Responsibility</u>						
Financial Mechanism:	Self Insurance 280.101					
Expiration Date:	7/31/2025					

<u>7</u>	1 of 1	W	0.27 / 1,440.66	93.49 / -18	NEWSOME CHEVROLET INC 991 S IRBY ST FLORENCE SC 29504	LUST
Permit:	N 03285			Site No (EFIS):	UST-03285	
Category:				Facility Name (EFIS):	NEWSOME CHEVROLET INC	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
No of Tanks:	1				Fac Address (EFIS):	991 S IRBY ST
Billable:	0				Facility City (EFIS):	FLORENCE
Abandoned:	1				Facility State (EFIS):	SC
Other:	0				Facility Zip (EFIS):	29504
Last Inspection:					Facility (Web):	NEWSOME CHEVROLET INC
Facility:	NEWSOME CHEVROLET INC				Address (Web):	991 S IRBY ST
Facility Street:	991 S IRBY ST				City (Web):	FLORENCE
Facilit City:	FLORENCE				Zip Code (Web):	29504
Facility State :	SC				County (Web):	FLORENCE
Facility Zip:	29504				Phone (Web):	
County Code:	21				Tank Owner Phone:	
Fac County:					Land Owner Phone:	843-662-5145
Operator Phone:						
Business Address:	991 S IRBY ST FLORENCE SC 29504					
Tank Owner Business Addr:	NEWSOME CHEVROLET INC 991 S IRBY ST FLORENCE SC 29504					
Land Owner Business Addr:	MOUNT HOPE CEMETERY ASSOCIATION INC 100 CHEROKEE RD FLORENCE SC 29501-5246					
Operator Business Addr:						
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03285					
Data Source:	SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024); DHEC LUST Data (EFIS) (as of 5 Sep 2017)					

DHEC Online Registry - Release Report

Release No:	1	Project Manager:	DUNN, ROBERT A
Source:	UST	Compliance Req:	False
Reported:	12/30/1989	Compliance Met:	False
Confirmed:	8/31/1990	Compliance Date:	
RBCA/ Score:	3BA - Free product > 0.01 foot thick / 300100	Abatement Met:	1/2/1990
Responsible Party:	NEWSOME CHEVROLET INC	NFA:	
Product:		Fin Type:	DHEC SUPERB
Emergency Resp:		Fin Res Mechanism:	
Superb Qualified:		Cleanup MCL:	
Superb Determ Date:		Cleanup Initiated:	3/12/1991
Transferred:		Cleanup Complete:	

DHEC Confirmed Release Report

Release No:	1	Confirmed:	8/31/1990
NFA:		Tank Owner:	NEWSOME CHEVROLET INC
Product:	PETRO	Status Desc:	
Proj Mgr:	DUNNRA	Score:	
Status:	2	Rank:	3BA
Reported:	12/30/1989		
Rank Desc:			
Facility:	NEWSOME CHEVROLET INC		
Facility Street:	991 S IRBY ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29504		
Facility State:	SC		

DHEC EFIS Data Details (Revised 9/5/2017)

Release No:	1
Release Date:	12/30/1989
Project Mgr:	DS
Confirmed Date:	8/31/1990
Cleanup Comp Date:	
Cleanup Comp Mcl Dt:	
RP Name:	NEWSOME CHEVROLET INC
RP Address:	991 S IRBY ST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RP City:		FLORENCE				
RP State:		SC				
RP Zip:		29504				
SSTL Estab Cd:		TIER 2				
SCRBCA Class Cd:		CLASS3BA				
Depth to GW:		15.35				
GW Flow Dir Cod:		SW				
Receptor Type Cd:		DUNN, ROBERT A				
Rel Fin Type Cd:						
CoC Concentrate Cd:						

<u>8</u>	1 of 1	SSW	0.36 / 1,890.35	111.71 / 1	R & R2 1360 S IRBY ST FLORENCE SC 29505-2756	LUST
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Permit:	R 03577	Site No (EFIS):	UST-03577
Category:	Retail Sales	Facility Name (EFIS):	SAV WAY 17
No of Tanks:	8	Fac Address (EFIS):	1360 S IRBY ST
Billable:	5	Facility City (EFIS):	FLORENCE
Abandoned:	3	Facility State (EFIS):	SC
Other:	0	Facility Zip (EFIS):	29505-2756
Last Inspection:	10/14/2024	Facility (Web):	R & R2
Facility:	R & R2	Address (Web):	1360 S IRBY ST
Facility Street:	1360 S IRBY ST	City (Web):	FLORENCE
Facilit City:	FLORENCE	Zip Code (Web):	29505-2756
Facility State :	SC	County (Web):	FLORENCE
Facility Zip:	29505-2756	Phone (Web):	843-669-3015
County Code:	21	Tank Owner Phone:	704-534-4133
Fac County:		Land Owner Phone:	704-534-4133
Operator Phone:	704-534-4133		
Business Address:	1360 S IRBY ST FLORENCE SC 29505-2756		
Tank Owner Business Addr:	R & R2 LLC 99 E FIRST ST DENTON NC 27239		
Land Owner Business Addr:	R & R2 LLC 99 E FIRST ST DENTON NC 27239		
Operator Business Addr:	R & R2 LLC 99 E FIRST ST DENTON NC 27239		
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03577		
Data Source:	SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024); DHEC LUST Data (EFIS) (as of 5 Sep 2017)		

DHEC Online Registry - Release Report

Release No:	1	Project Manager:	DUNN, ROBERT A
Source:	UST	Compliance Req:	False
Reported:	12/29/1989	Compliance Met:	False
Confirmed:	6/18/1990	Compliance Date:	
RBCA/ Score:	3BF - GW < 15 feet in sand or gravel / 981	Abatement Met:	3/23/1992
Responsible Party:	RAINWATER GAS & OIL CO INC	NFA:	
Product:		Fin Type:	With SUPERB
Emergency Resp:		Fin Res Mechanism:	
Superb Qualified:		Cleanup MCL:	
Superb Determ Date:		Cleanup Initiated:	5/14/1992
Transferred:		Cleanup Complete:	

DHEC Confirmed Release Report

Release No:	1	Confirmed:	6/18/1990
NFA:		Tank Owner:	R & R2 LLC
Product:	PETRO	Status Desc:	
Proj Mgr:	DUNNRA	Score:	
Status:	3	Rank:	3BF

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Reported:	12/29/1989					
Rank Desc:						
Facility:	R & R2					
Facility Street:	1360 S IRBY ST					
Facility City:	FLORENCE					
Fac County:	Florence					
Facility Zip:	29505-2756					
Facility State:	SC					

DHEC EFIS Data Details (Revised 9/5/2017)

Release No: 1
 Release Date: 12/29/1989
 Project Mgr: WS
 Confirmed Date: 6/18/1990
 Cleanup Comp Date:
 Cleanup Comp Mcl Dt:
 RP Name: RAINWATER GAS & OIL CO INC
 RP Address: 400 LONGSTREET ST
 RP City: KINGSTREE
 RP State: SC
 RP Zip: 29556
 SSTL Estab Cd: MR
 SCRBCA Class Cd: CLASS3BA
 Depth to GW: 6.55
 GW Flow Dir Cod: NE
 Receptor Type Cd: DUNN, ROBERT A
 Rel Fin Type Cd:
 CoC Concentrate Cd:

9	1 of 1	SSW	0.38 / 1,989.71	113.86 / 3	SAV A TON 84 1403 S IRBY ST FLORENCE SC 29505-2759	LUST
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Permit: R 03539 Category: Retail Sales No of Tanks: 4 Billable: 0 Abandoned: 4 Other: 0 Last Inspection: 4/13/2001 Facility: SAV A TON 84 Facility Street: 1403 S IRBY ST Facility City: FLORENCE Facility State : SC Facility Zip: 29505-2759 County Code: 21 Fac County: Operator Phone: Business Address: 1403 S IRBY ST FLORENCE SC 29505-2759 Tank Owner Business Addr: CAMP OIL CO 5450 NW CENTRAL DR STE 125 HOUSTON TX 77092 Land Owner Business Addr: TREADGILL PROPERTIES LLC 1403 S IRBY ST FLORENCE SC 29505-2759 Operator Business Addr: Facility Link: https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03539 Data Source: SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024); DHEC LUST Data (EFIS) (as of 5 Sep 2017)	Site No (EFIS): UST-03539 Facility Name (EFIS): SAV A TON 84 Fac Address (EFIS): 1403 S IRBY ST Facility City (EFIS): FLORENCE Facility State (EFIS): SC Facility Zip (EFIS): 29505-2759 Facility (Web): SAV A TON 84 Address (Web): 1403 S IRBY ST City (Web): FLORENCE Zip Code (Web): 29505-2759 County (Web): FLORENCE Phone (Web): 843-662-7316 Tank Owner Phone: 713-460-4006 Land Owner Phone:
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DHEC Online Registry - Release Report

Release No: 1	Project Manager: DUNN, ROBERT A
Source: UST	Compliance Req: False

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Reported:	12/27/1991				Compliance Met:	False
Confirmed:	3/23/1992				Compliance Date:	
RBCA/ Score:	2BB - Watersupply wells < 1000 feet downgrade / 2526				Abatement Met:	5/16/1994
Responsible Party:	SAV A TON OIL INC				NFA:	
Product:					Fin Type:	DHEC SUPERB
Emergency Resp:					Fin Res Mechanism:	
Superb Qualified:	True				Cleanup MCL:	
Superb Determ Date:					Cleanup Initiated:	5/9/1998
Transferred:					Cleanup Complete:	

DHEC Confirmed Release Report

Release No:	1	Confirmed:	3/23/1992
NFA:		Tank Owner:	CAMP OIL CO
Product:	PETRO	Status Desc:	
Proj Mgr:	DUNNRA	Score:	
Status:	2	Rank:	2BB
Reported:	12/27/1991		
Rank Desc:			
Facility:	SAV A TON 84		
Facility Street:	1403 S IRBY ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29505-2759		
Facility State:	SC		

DHEC EFIS Data Details (Revised 9/5/2017)

Release No:	1
Release Date:	12/27/1991
Project Mgr:	DS
Confirmed Date:	3/23/1992
Cleanup Comp Date:	
Cleanup Comp Mcl Dt:	
RP Name:	SAV A TON OIL INC
RP Address:	PO BOX 2549
RP City:	ROME
RP State:	GA
RP Zip:	30164-2549
SSTL Etab Cd:	MR
SCRBCA Class Cd:	CLASS2BB
Depth to GW:	8.29
GW Flow Dir Cod:	S
Receptor Type Cd:	DUNN, ROBERT A
Rel Fin Type Cd:	
CoC Concentrate Cd:	

10	1 of2	NE	0.38 / 2,021.19	97.53 / -14	FLORENCE REGIONAL WASTEWATER MANAGEMENT FACILITY 1000 STOCKADE DR, FLORENCE SC 29506-344 SC	SASPL
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EPA ID: SCS123457277

Site Assessment Section Project List (SASPL)

County: FLORENCE

10	2 of2	NE	0.38 / 2,021.19	97.53 / -14	FLORENCE CITY OF WWTP 1000 STOCKADE RD FLORENCE SC 29501	LUST
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Permit:	N 16518				Site No (EFIS):	
Category:	Municipal Government				Facility Name (EFIS):	
No of Tanks:	1				Fac Address (EFIS):	
Billable:	0				Facility City (EFIS):	
Abandoned:	1				Facility State (EFIS):	
Other:	0				Facility Zip (EFIS):	
Last Inspection:	1/21/1999				Facility (Web):	FLORENCE CITY OF WWTP
Facility:					Address (Web):	1000 STOCKADE RD
Facility Street:					City (Web):	FLORENCE
Facilit City:					Zip Code (Web):	29501
Facility State :					County (Web):	FLORENCE
Facility Zip:					Phone (Web):	843-662-3540
County Code:	21				Tank Owner Phone:	843-665-3271
Fac County:					Land Owner Phone:	
Operator Phone:						
Business Address:		1000 STOCKADE RD				
		FLORENCE SC 29501				
Tank Owner Business Addr:		FLORENCE CITY OF				
		324 W EVANS ST				
		FLORENCE SC 29501-3430				
Land Owner Business Addr:						
Operator Business Addr:						
Facility Link:		https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST16518				
Data Source:		SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025)				

DHEC Online Registry - Release Report

Release No: Source: Reported: Confirmed: RBCA/ Score: Responsible Party: Product: Emergency Resp: Superb Qualified: Superb Determ Date: Transferred:	0 6/1/1999 / 	Project Manager: Compliance Req: Compliance Met: Compliance Date: Abatement Met: NFA: Fin Type: Fin Res Mechanism: Cleanup MCL: Cleanup Initiated: Cleanup Complete:	STEPP, AMY K False False 7/19/1999
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11	1 of1	SSW	0.41 / 2,143.23	114.41 / 3	CAMLIN MEAT PACKING COMPANY 111 PAMPLICO FLORENCE SC	DELISTED LST
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Delisted Leaking Above Ground Storage Tanks Details

Site ID: Release No: Project Manager: Status: Impacted Code: Type: Release Date: Confirmed: NFA Dt: Transfer: Product: Source: Tier: Truncated Note: Soil Impact Code: User Name: Release Xfer Date: Suspect NFA Date:	3018 1 WRIGHT JOHN TRANSFER YES 8/22/2005 10/24/2005 WRIGHTJW 10/24/2005
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Release Source Code: Cleanup Complete Dt: Local Fac Last Name: CAMLIN MEAT PACKING COMPANY Local Fac First Name: Address 2: State Code: SC County: Florence Zip Code: 29 Local Fac County: 21 District Code: 8 Rp Identifier 1: Rp Identifier 2: Product 2: Product 3: Product 4: Source 2: Source 3: Source 4: Original Source: LAST Record Date: 02-DEC-2019						

<u>12</u>	1 of 2	ESE	0.43 / 2,282.66	92.81 / -18	FLORENCE CITY OF WWTP 1000 STOCKADE RD FLORENCE SC	DELISTED LST
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Delisted Leaking Above Ground Storage Tanks Details

Site ID: 157
Release No: 1
Project Manager: FORREST CHRIS M
Status: CLOSED
Impacted Code: NO
Type:
Release Date:
Confirmed:
NFA Dt: 4/24/2006
Transfer:
Product:
Source:
Tier:
Truncated Note:
Soil Impact Code:
User Name: FORRESCM
Release Xfer Date:
Suspect NFA Date: 4/24/2006
Release Source Code:
Cleanup Complete Dt:
Local Fac Last Name: FLORENCE CITY OF WWTP
Local Fac First Name:
Address 2:
State Code: SC
County: Florence
Zip Code: 29501
Local Fac County: 21
District Code: 8
Rp Identifier 1: FLORENCE CITY OF WWTP
Rp Identifier 2:
Product 2:
Product 3:
Product 4:
Source 2:
Source 3:
Source 4:
Original Source: LAST
Record Date: 02-DEC-2019

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	2 of 2	ESE	0.43 / 2,282.66	92.81 / -18	FLORENCE CITY OF WWTP 1000 STOCKADE RD FLORENCE SC	DELISTED LST

Delisted Leaking Above Ground Storage Tanks Details

Site ID: 4069
 Release No: 1
 Project Manager: WALKER ADELAIDE (ADDIE) S
 Status: TRANSFER
 Impacted Code: NO
 Type:
 Release Date: 10/20/2008
 Confirmed:
 NFA Dt:
 Transfer:
 Product:
 Source:
 Tier:
 Truncated Note:
 Soil Impact Code:
 User Name: WALKERAS
 Release Xfer Date:
 Suspect NFA Date:
 Release Source Code:
 Cleanup Complete Dt:
 Local Fac Last Name: FLORENCE CITY OF WWTP
 Local Fac First Name:
 Address 2:
 State Code: SC
 County: Florence
 Zip Code: 29501
 Local Fac County: 21
 District Code: 8
 Rp Identifier 1: FLORENCE CITY OF
 Rp Identifier 2:
 Product 2:
 Product 3:
 Product 4:
 Source 2:
 Source 3:
 Source 4:
 Original Source: LAST
 Record Date: 02-DEC-2019

13	1 of 1	NNW	0.44 / 2,302.21	128.55 / 17	EMS STATION 727 S DARGAN ST FLORENCE SC 29501	LUST
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Permit: N 11742 Category: County Government No of Tanks: 1 Billable: 0 Abandoned: 1 Other: 0 Last Inspection: 7/25/1997 Facility: EMS STATION Facility Street: 727 S DARGAN ST Facility City: FLORENCE Facility State : SC Facility Zip: 29501 County Code: 21 Fac County: Operator Phone: Business Address: 727 S DARGAN ST	Site No (EFIS): UST-11742 Facility Name (EFIS): EMS STATION Fac Address (EFIS): 727 S DARGAN ST Facility City (EFIS): FLORENCE Facility State (EFIS): SC Facility Zip (EFIS): 29501 Facility (Web): EMS STATION Address (Web): 727 S DARGAN ST City (Web): FLORENCE Zip Code (Web): 29501 County (Web): FLORENCE Phone (Web): Tank Owner Phone: 843-665-3035 Land Owner Phone:
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Owner Business Addr:		FLORENCE SC 29501 FLORENCE COUNTY 180 N IRBY ST MSC R FLORENCE SC 29501				
Land Owner Business Addr:						
Operator Business Addr:						
Facility Link:		https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST11742				
Data Source:		SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024); DHEC LUST Data (EFIS) (as of 5 Sep 2017)				

DHEC Online Registry - Release Report

Release No:	1	Project Manager:	PASLEY, DOUG C
Source:	UST	Compliance Req:	True
Reported:	2/3/2000	Compliance Met:	True
Confirmed:	2/3/2000	Compliance Date:	3/6/2001
RBCA/ Score:	5A - No pending threat, additional data / 0	Abatement Met:	8/14/1997
Responsible Party:	FLORENCE COUNTY	NFA:	5/15/2001
Product:		Fin Type:	With SUPERB 25K deductible
Emergency Resp:		Fin Res Mechanism:	
Superb Qualified:		Cleanup MCL:	
Superb Determ Date:		Cleanup Initiated:	3/30/2001
Transferred:		Cleanup Complete:	3/30/2001

DHEC Confirmed Release Report

Release No:	1	Confirmed:	2/3/2000
NFA:	5/15/2001	Tank Owner:	FLORENCE COUNTY
Product:	PETRO	Status Desc:	
Proj Mgr:	PASLEYDC	Score:	
Status:	1	Rank:	5A
Reported:	2/3/2000		
Rank Desc:	No pending treat, additional data		
Facility:	EMS STATION		
Facility Street:	727 S DARGAN ST		
Facility City:	FLORENCE		
Fac County:	Florence		
Facility Zip:	29501		
Facility State:	SC		

DHEC EFIS Data Details (Revised 9/5/2017)

Release No:	1
Release Date:	2/3/2000
Project Mgr:	W25
Confirmed Date:	2/3/2000
Cleanup Comp Date:	3/30/2001
Cleanup Comp Mcl Dt:	
RP Name:	FLORENCE COUNTY
RP Address:	180 N IRBY ST
RP City:	FLORENCE
RP State:	SC
RP Zip:	29501-3456
SSTL Estab Cd:	IGWA
SCRBCA Class Cd:	CLASS5A
Depth to GW:	
GW Flow Dir Cod:	
Receptor Type Cd:	PASLEY, DOUG C
Rel Fin Type Cd:	
CoC Concentrate Cd:	

14	1 of 2	NW	0.44 / 2,347.28	130.38 / 19	ONE HOUR MARTINIZING COMPANY NO 1 832 S IRBY ST, FLORENCE SC 29501	SASPL
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					SC	
EPA ID:		SCDRY0052702				
<u>Site Assessment Section Project List (SASPL)</u>						
County:		FLORENCE				
14	2 of2	NW	0.44 / 2,347.28	130.38 / 19	ONE HOUR MARTINIZING COMPANY NO 1 832 S IRBY ST; FLORENCE SC	DRYCLEAN FUND
File No:		52702				
Priority Group:		TIER III				
Priority Group Desc:		Third Priority				
15	1 of1	NW	0.47 / 2,498.12	128.58 / 18	FLORENCE POW CAMP FLORENCE SC	FUDS
FUDS Property No:		I04SC1006				
EMS Map Link:		https://fudsportal.usace.army.mil/ems/inventory/map?id=55095				
FUDS INST ID:		SC49799F941000				
Status:		Properties without projects				
SDS ID:						
NPL Status Code:						
Eligibility:		Eligible				
Site Eligib:						
Current Owner:						
Has Project:		No				
DOD FUDS Pro:		I04SC1006				
Project Required:		No				
No Further Action:						
Congressional District:		07				
Congressional Dist 117:		07				
Media ID:						
Metadata ID:						
Feature Desc:						
EPA Region:		04				
County:		FLORENCE				
Latitude:		34.18333333				
Longitude:		-79.76666667				
Fiscal year:		2021				
USACE Division:		SAD				
USACE District:		Savannah District (SAS)				
Centroid Lat:						
Centroid Long:						
Se Anno Cad Data:						
Shape Length:						
Shape Area:						
Shape Len:						
X:		-79.7666015629999				
Y:		34.183410645				
Data Source:		U.S. Army Corps of Engineers Geospatial Open Data				
Property History:						
Feature Description:						
16	1 of1	NW	0.49 / 2,577.96	129.59 / 19	KENS CORNER 3 800 S IRBY ST FLORENCE SC 29501-5237	LUST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Cleanup Comp Mcl Dt:

RP Name: CHASE OIL COMPANY INC
RP Address: PO BOX 1599
RP City: FLORENCE
RP State: SC
RP Zip: 29503-1599
SSTL Estab Cd: MR
SCRBCA Class Cd: CLASS3BD
Depth to GW: 18.21
GW Flow Dir Cod: SW
Receptor Type Cd: DUNN, ROBERT A
Rel Fin Type Cd: DEPT
CoC Concentrate Cd:

17	1 of 2	SSW	0.50 / 2,626.95	115.67 / 5	COLES CROSSROADS TEXACO 1420 IRBY ST FLORENCE SC 29501	LUST
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Permit:	N 03521	Site No (EFIS):	UST-03521
Category:	Retail Sales	Facility Name (EFIS):	COLES CROSSROADS TEXACO
No of Tanks:	5	Fac Address (EFIS):	1420 IRBY ST
Billable:	0	Facility City (EFIS):	FLORENCE
Abandoned:	5	Facility State (EFIS):	SC
Other:	0	Facility Zip (EFIS):	29501
Last Inspection:		Facility (Web):	COLES CROSSROADS TEXACO
Facility:	COLES CROSSROADS TEXACO	Address (Web):	1420 IRBY ST
Facility Street:	1420 IRBY ST	City (Web):	FLORENCE
Facilit City:	FLORENCE	Zip Code (Web):	29501
Facility State :	SC	County (Web):	FLORENCE
Facility Zip:	29501	Phone (Web):	
County Code:	21	Tank Owner Phone:	843-669-1904
Fac County:		Land Owner Phone:	
Operator Phone:			
Business Address:	1420 IRBY ST FLORENCE SC 29501		
Tank Owner Business Addr:	DILMAR OIL COMPANY INC 1951 W DARLINGTON ST FLORENCE SC 29501		
Land Owner Business Addr:	WILSON, EARL 825 ANDIRON DR SUMTER SC 29154		
Operator Business Addr:			
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03521		
Data Source:	SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024); DHEC LUST Data (EFIS) (as of 5 Sep 2017)		

DHEC Online Registry - Release Report

Release No:	1	Project Manager:	DUNN, ROBERT A
Source:	UST	Compliance Req:	False
Reported:	12/19/1991	Compliance Met:	False
Confirmed:	3/18/1992	Compliance Date:	
RBCA/ Score:	2BB - Watersupply wells < 1000 feet downgrade / 48	Abatement Met:	4/30/1988
Responsible Party:	DILMAR OIL COMPANY INC	NFA:	7/22/2022
Product:		Fin Type:	With SUPERB
Emergency Resp:		Fin Res Mechanism:	
Superb Qualified:		Cleanup MCL:	7/22/2022
Superb Determ Date:		Cleanup Initiated:	10/28/1993
Transferred:		Cleanup Complete:	

DHEC Confirmed Release Report

Release No:	1	Confirmed:	3/18/1992
NFA:	7/22/2022	Tank Owner:	DILMAR OIL COMPANY INC
Product:	PETRO	Status Desc:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Proj Mgr:	DUNNRA			Score:		
Status:	3			Rank:	2BB	
Reported:	12/19/1991					
Rank Desc:						
Facility:		COLES CROSSROADS TEXACO				
Facility Street:		1420 IRBY ST				
Facility City:		FLORENCE				
Fac County:		Florence				
Facility Zip:		29501				
Facility State:		SC				

DHEC EFIS Data Details (Revised 9/5/2017)

Release No: 1
 Release Date: 12/19/1991
 Project Mgr: WS
 Confirmed Date: 3/18/1992
 Cleanup Comp Date:
 Cleanup Comp Mcl Dt:
 RP Name: DILMAR OIL COMPANY INC
 RP Address: 401 S MARION ST
 RP City: LATTA
 RP State: SC
 RP Zip: 29565
 SSTL Estab Cd: MR
 SCRBCA Class Cd: CLASS2BB
 Depth to GW: 10
 GW Flow Dir Cod: NE
 Receptor Type Cd: PATTERSON, KYLE C
 Rel Fin Type Cd:
 CoC Concentrate Cd:

17	2 of 2	SSW	0.50 / 2,626.95	115.67 / 5	COLES CROSSROADS TEXACO 1420 IRBY ST FLORENCE SC 29501	RCR
Site ID:	03521					
REL:	1					
Tax Map ID:	90093-02-002					
Reported:	12/19/91					
CU>MCL:	07/22/22					
Latitude:	34.16625					
Longitude:	-79.76419					

18	1 of 3	NW	0.50 / 2,641.83	126.09 / 15	BOB BIBLE TOYOTA 726 S IRBY ST FLORENCE SC 29501	VCP
File No:	52570			Restrict Filed Dt:	8/22/2014	
Project Status Code:	INCOMP			Project Complete Dt:	9/5/2014	
Funds 128(A) Utilized:	No			Brownfields Type:		
Resp Action Planned:	No					
Cleanup Contract Complete Dt:	9/5/2014					

Detail

Execute Date: 5/1/2014
 Lat Long: 34.18443, -79.76664
 Acreage:
 Owner: 900 SPRINGFIELD COMMONS LLC
 Contamination on Site: Volatile Organic Compounds
 Land Use Restriction: RESIDENTIAL, AGRICULTURAL, CHILD DAY CARE, ELDERLY DAY CARE, RECREATIONAL, GROUNDWATER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	2 of 3	NW	0.50 / 2,641.83	126.09 / 15	BOB BIBLE TOYOTA 726 S IRBY ST, FLORENCE SC 29501 SC	SASPL
EPA ID: SCS123457592						
Site Assessment Section Project List (SASPL)						
County: FLORENCE						
18	3 of 3	NW	0.50 / 2,641.83	126.09 / 15	BOB BIBLE TOYOTA 726 S IRBY ST, FLORENCE, SC, 29501, US SC	BROWNFIELDS
Case No: 14-6255-NRP						
Details						
Alt ID:	52570	Combo of Contam:				
Master No:	6255	Filed With County: 8/22/2014 06:00:00				
Master Status:	ACTIVE	Acre Under Cntrct: 1.76				
Category:	Master Project Details	COC Date Issued: 9/5/2014 06:00:00				
Program:	LWM - SARR - Brownfields	County: Florence				
Action Date:	5/1/2014 06:00:00	Latitude: 34.1844				
Status:	Closed with Restrictions	Longitude: -79.7666				
Name:	BOB BIBLE TOYOTA					
Address:	726 S IRBY ST, FLORENCE, SC, 29501, US					
Type:	Non-Responsible Party Voluntary Cleanup Contract					
Type of Covenant:	RESIDENTIAL, AGRICULTURAL, CHILD DAY CARE, ELDERLY DAY CARE, RECREATIONAL, GROUNDWATER					
Details						
Alt ID:	52570	Combo of Contam:				
Master No:	6255	Filed With County:				
Master Status:	ACTIVE	Acre Under Cntrct: 1.76				
Category:	Master Project Details	COC Date Issued:				
Program:	LWM - SARR - Brownfields	County: Florence				
Action Date:	5/1/2014 06:00:00	Latitude: 34.1844				
Status:	Closed with Restrictions	Longitude: -79.7666				
Name:	BOB BIBLE TOYOTA					
Address:	726 S IRBY ST, FLORENCE, SC, 29501, US					
Type:	Non-Responsible Party Voluntary Cleanup Contract					
Type of Covenant:						
19	1 of 1	ENE	0.92 / 4,874.83	121.70 / 11	FLORENCE AAF FLORENCE SC	FUDS
FUDS Property No: I04SC0095						
EMS Map Link: https://fudsportal.usace.army.mil/ems/inventory/map?id=55338						
FUDS INST ID: SC49799F494500						
Status: Properties with all projects at site closeout						
SDS ID:						
NPL Status Code: Not Listed						
Eligibility: Eligible						
Site Eligib: Eligible						
Current Owner: Local Government						
Has Project: Yes						
DOD FUDS Pro:						
Project Required:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
No Further Action:						
Congressional District:		07				
Congressional Dist 117:		07				
Media ID:						
Metadata ID:						
Feature Desc:						
EPA Region:		04				
County:		FLORENCE				
Latitude:		34.19055556				
Longitude:		-79.72583333				
Fiscal year:		2020				
USACE Division:		sad				
USACE District:		sas				
Centroid Lat:						
Centroid Long:						
Se Anno Cad Data:						
Shape Length:		0.138099835105796				
Shape Area:		0.000593823712857804				
Shape Len:		.13809984				
X:						
Y:						
Data Source:		U.S. Army Corps of Engineers Geospatial Open Data				
Property History:						

DURING THE PERIOD FROM 1942 THROUGH 1945, THE PROPERTY WAS UTILIZED AS AN ARMY AIRFIELD. OVER 400 BUILDINGS AND STRUCTURES WERE CONSTRUCTED. THESE INCLUDED HANGARS, BARRACKS, AND A HOSPITAL. IN 19 47 THE SITE WAS TRANSFERRED TO THE CITY OF FLORENCE FOR USE AS AN MUNICIPAL AIRPORT.

Feature Description:

DURING THE PERIOD FROM 1942 THROUGH 1945, THE PROPERTY WAS UTILIZED AS AN ARMY AIRFIELD. OVER 400 BUILDINGS AND STRUCTURES WERE CONSTRUCTED. THESE INCLUDED HANGARS, BARRACKS, AND A HOSPITAL. IN 19 47 THE SITE WAS TRANSFERRED TO THE CITY OF FLORENCE FOR USE AS AN MUNICIPAL AIRPORT.

Unplottable Summary

Total: 14 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
DELISTED LST	CLEMSON AG EXP STATION	HWY 52	FLORENCE SC		875010823
DELISTED LST	COASTAL PLAIN SOIL & WATER RSCH	HWY 52	FLORENCE SC		875011056
DELISTED LST	PROPOSED IGA	HWY 52	FLORENCE SC		875016479
ERNS		CHURCH ST. <i>NRC Report No:</i> 1165219	FLORENCE SC		858631568
ERNS		CHURCH ST. <i>NRC Report No:</i> 1051459	FLORENCE SC		819873262
ERNS		CHURCH ST <i>NRC Report No:</i> 1334231	FLORENCE SC		899549319
LUST	AMERICAN BAKERIES CO	HWY 52 N <i>Permit:</i> N 03255 <i>NFA:</i> 9/20/1994	FLORENCE SC	29501	822813740
RCRA NON GEN	RAINBOW FARM CENTER	HIGHWAY 52 NORTH <i>Handler ID Recycler Activity?:</i> SCD000419531 NO	FLORENCE SC	29501	810444157
RCRA NON GEN	TRANCO TRANSMISSIONS	HWY 52 <i>Handler ID Recycler Activity?:</i> SCD981750888 NO	FLORENCE SC	29501	810443297
RCRA NON GEN	SC FORESTRY COMM DISTRICT 2	US HIGHWAY 52 N <i>Handler ID Recycler Activity?:</i> SCD982098592 NO	FLORENCE SC	29503	810455890
RCRA VSQG	FLORENCE DARLINGTON TECH	HWY 52 NORTH <i>Handler ID Recycler Activity?:</i> SCD987598034 NO	FLORENCE SC	29501	810579214

RCRA VSQG	WHEATON BODY SHOP	HWY 52	FLORENCE SC	29501	810707929
		<i>Handler ID Recycler Activity?:</i> SC0000030809 NO			
RCRA VSQG	GREGORY POOLE EQUIPMENT CO	HWY 52 NORTH	FLORENCE SC	29501	810708415
		<i>Handler ID Recycler Activity?:</i> SCD982086415 NO			
UST	AMERICAN BAKERIES CO	HWY 52 N	FLORENCE SC	29501	820413237
		<i>Site No:</i> 3255 <i>Tank No Status:</i> 1 Abandoned			

Unplottable Report

Site: CLEMSON AG EXP STATION
HWY 52 FLORENCE SC

DELISTED LST

Delisted Leaking Above Ground Storage Tanks Details

Site ID: 17251
Release No: 1
Project Manager: BOYNTON S JENNIFER
Status: CLOSED
Impacted Code: NO
Type:
Release Date:
Confirmed: 10/12/1995
NFA Dt: 1/2/2002
Transfer:
Product:
Source:
Tier:
Truncated Note:
Soil Impact Code:
User Name: BOYNTOSJ
Release Xfer Date:
Suspect NFA Date: 1/2/2002
Release Source Code:
Cleanup Complete Dt:
Local Fac Last Name: CLEMSON AG EXP STATION
Local Fac First Name:
Address 2:
State Code: SC
County: Florence
Zip Code: 29501
Local Fac County: 21
District Code: 8
Rp Identifier 1: CLEMSON
Rp Identifier 2:
Product 2:
Product 3:
Product 4:
Source 2:
Source 3:
Source 4:
Original Source: LAST
Record Date: 02-DEC-2019

Site: COASTAL PLAIN SOIL & WATER RSCH
HWY 52 FLORENCE SC

DELISTED LST

Delisted Leaking Above Ground Storage Tanks Details

Site ID: 17751
Release No: 1
Project Manager: LOGAN W ROBERT
Status: CLOSED
Impacted Code: NO
Type:
Release Date:
Confirmed:

NFA Dt: 5/5/1997
Transfer:
Product:
Source:
Tier:
Truncated Note:
Soil Impact Code:
User Name: LOGANWR
Release Xfer Date:
Suspect NFA Date: 5/5/1997
Release Source Code:
Cleanup Complete Dt:
Local Fac Last Name: COASTAL PLAIN SOIL & WATER RSCH
Local Fac First Name:
Address 2:
State Code: SC
County: Florence
Zip Code: 29201
Local Fac County: 21
District Code: 8
Rp Identifier 1: COASTAL PLAIN S & W RESEARCH CN
Rp Identifier 2:
Product 2:
Product 3:
Product 4:
Source 2:
Source 3:
Source 4:
Original Source: LAST
Record Date: 02-DEC-2019

Site: PROPOSED IGA
HWY 52 FLORENCE SC

DELISTED LST

Delisted Leaking Above Ground Storage Tanks Details

Site ID: 1758
Release No: 1
Project Manager: BOYNTON S JENNIFER
Status: CLOSED
Impacted Code: NO
Type:
Release Date: 6/15/2001
Confirmed:
NFA Dt: 10/16/2001
Transfer:
Product:
Source:
Tier:
Truncated Note:
Soil Impact Code:
User Name: BOYNTOSJ
Release Xfer Date:
Suspect NFA Date: 10/16/2001
Release Source Code:
Cleanup Complete Dt:
Local Fac Last Name: PROPOSED IGA
Local Fac First Name:
Address 2:
State Code: SC
County: Florence
Zip Code: SC
Local Fac County: 21
District Code: 8
Rp Identifier 1: PEE DEE COMMUNITY ACTION AGENCY
Rp Identifier 2:
Product 2:
Product 3:

Product 4:
Source 2:
Source 3:
Source 4:
Original Source: LAST
Record Date: 02-DEC-2019

Site: CHURCH ST. FLORENCE SC ERNS

NRC Report No: 1165219
Type of Incident: RAILROAD NON-RELEASE
Incident Cause: OTHER
Incident Date: 29-Nov-2016 23:22:00
Incident Location:
Incident Dtg: OCCURRED
Distance from City:
Distance Units:
Direction from City:
Location County: FLORENCE
Potential Flag: No
Year: Year 2016 Reports
Description of Incident: GRADE CROSSING ACCIDENT INVOLVING A FREIGHT TRAIN AND PASSENGER VEHICLE. A SERVICE DELAY TOOK PLACE FOR 1 HOUR.

Latitude Degrees:
Latitude Minutes:
Latitude Seconds:
Longitude Degrees:
Longitude Minutes:
Longitude Seconds:
Lat Quad:
Long Quad:
Location Section:
Location Township:
Location Range:

Calls Information

Date Time Received: 30-Nov-2016 00:37:54
Date Time Complete: 30-Nov-2016 00:42:03
Call Type: INC
Resp Company: CSX RAILROAD
Resp Org Type: PRIVATE ENTERPRISE

Responsible City: JACKSONVILLE
Responsible State: FL
Responsible Zip: 32202
Source: TELEPHONE

Incident Information

Tank ID:
Tank Regulated: U
Tank Regulated By:
Capacity of Tank:
Capacity Tank Units:
Description of Tank:
Actual Amount:
Actual Amount Units:
Tank Above Ground: ABOVE
NPDES:
NPDES Compliance: U
Init Contin Rel No:
Contin Rel Permit:
Contin Release Type:
Aircraft ID:
Aircraft Runway No:
Aircraft Spot No:
Aircraft Type:
Aircraft Model:
Aircraft Fuel Cap:
Aircraft Fuel Cap U:
Aircraft Fuel on Brd:
Aircraft Fuel OB U:
Aircraft Hanger:
Road Mile Marker:
Power Gen Facility: U
Generating Capacity:
Type of Fixed Obj:

Building ID:
Location Area ID:
Location Block ID:
OCSG No:
OCSF No:
State Lease No:
Pier Dock No:
Berth Slip No:
Brake Failure: U
Airbag Deployed: U
Transport Contain: U
Location Subdiv: SOUTH END
Platform Rig Name:
Platform Letter:
Allision: U
Type of Structure:
Structure Name:
Structure Oper: U
Transit Bus Flag:
Date Time Norm Serv:
Serv Disrupt Time:
Serv Disrupt Units:
CR Begin Date:
CR End Date:
CR Change Date:
FBI Contact:
FBI Contact Dt Tm:
Passenger Handling: PASSENGERS STAYED ONBOARD THE TRAIN.
Passenger Route: YES
Passenger Delay: YES
Sub Part C Test Req: NO
No of Conductor

Type of Fuel:
DOT Crossing No: 633200H
DOT Regulated: U
Pipeline Type:

Pipeline Abv Ground:	ABOVE	Tested:
Pipeline Covered:	U	No of Engineer
Exposed Underwater:	N	Tested:
Railroad Hotline:		No of Trainman
Railroad Milepost:	A292.96	Tested:
Grade Crossing:	Y	No of Yard Foreman
Crossing Device Ty:	GATES/BELLS	Tested:
Ty Vehicle Involved:	PASSENGER CAR	No of RCL Operator
Device Operational:	Y	Tested:
		No of Brakeman
		Tested:
		No of Train Dispat
		Tested:
		No of Signalman
		Tested:
		No of Other Emp
		Tested:
		No of Unknown Emp
		Tested:

Incident Details Information

Release Secured:	U	State Agen Report No:	
Release Rate:		State Agen on Scene:	LOCAL AUTHORITIES
Release Rate Unit:		State Agen Notified:	STATE OF SC.
Release Rate Rate:		Fed Agency Notified:	
Est Duration of Rel:		Oth Agency Notified:	
Desc Remedial Act:	LOCAL AUTHORITIES ARRIVED ONSCENE. TOW TRUCK REMOVED THE VEHICLE AND TRAIN TRAFFIC RESUMED.	Body of Water:	
Fire Involved:	N	Tributary of:	
Fire Extinguished:	U	Near River Mile Make:	
Any Evacuations:	N	Near River Mile Mark:	
No Evacuated:		Offshore:	N
Who Evacuated:		Weather Conditions:	
Radius of Evac:		Air Temperature:	
Any Injuries:	N	Wind Direction:	
No. Injured:		Wind Speed:	
No. Hospitalized:		Wind Speed Unit:	
No. Fatalities:		Water Supp Contam:	U
Any Fatalities:	N	Water Temperature:	
Any Damages:	N	Wave Condition:	
Damage Amount:		Current Speed:	
Air Corridor Closed:	N	Current Direction:	
Air Corridor Desc:		Current Speed Unit:	
Air Closure Time:		EMPL Fatality:	
Waterway Closed:	N	Pass Fatality:	
Waterway Desc:		Community Impact:	
Waterway Close Time:		Passengers Transfer:	NO
Road Closed:	Y	Passenger Injuries:	
Road Desc:	CHURCH ST	Employee Injuries:	
Road Closure Time:	1	Occupant Fatality:	
Road Closure Units:		Sheen Size:	
Closure Direction:		Sheen Size Units:	
Major Artery:	No	Sheen Size Length:	
Track Closed:	Y	Sheen Size Length U:	
Track Desc:	MAIN LINE	Sheen Size Width:	
Track Closure Time:	1	Sheen Size Width U:	
Track Closure Units:		Sheen Color:	
Track Close Dir:	N/S	Dir of Sheen Travel:	
Media Interest:	UNKNOWN	Sheen Odor Desc:	
Medium Desc:	RAIL REPORT (N/A)	Duration Unit:	
Addl Medium Info:		Additional Info:	

Site:
CHURCH ST. FLORENCE SC

ERNS

NRC Report No: 1051459
Type of Incident: RAILROAD NON-RELEASE

Latitude Degrees:
Latitude Minutes:

Incident Cause:	OTHER	Latitude Seconds:	
Incident Date:	22-Jun-2013 23:53:00	Longitude Degrees:	
Incident Location:	MILEPOST: A292.97	Longitude Minutes:	
Incident Dtg:	OCCURRED	Longitude Seconds:	
Distance from City:		Lat Quad:	
Distance Units:		Long Quad:	
Direction from City:		Location Section:	
Location County:	FLORENCE	Location Township:	
Potential Flag:	No	Location Range:	
Year:	Year 2013 Reports		
Description of Incident:	CALLER IS MAKING A REPORT INVOLVING A SERVICE INTERRUPTION ON A PASSENGER TRAIN DUE TO AN ILL PASSENGER. CALLER STATES THE SERVICE DELAY TOOK PLACE FOR 30 MINUTES.		

Calls Information

Date Time Received:	24-Jun-2013 00:12:09	Responsible City:	
Date Time Complete:	24-Jun-2013 00:16:35	Responsible State:	XX
Call Type:	INC	Responsible Zip:	
Resp Company:		Source:	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		Building ID:	
Tank Regulated:	U	Location Area ID:	
Tank Regulated By:		Location Block ID:	
Capacity of Tank:		OCSG No:	
Capacity Tank Units:		OCSF No:	
Description of Tank:		State Lease No:	
Actual Amount:		Pier Dock No:	
Actual Amount Units:		Berth Slip No:	
Tank Above Ground:	ABOVE	Brake Failure:	U
NPDES:		Airbag Deployed:	U
NPDES Compliance:	U	Transport Contain:	U
Init Contin Rel No:		Location Subdiv:	SOUTH END
Contin Rel Permit:		Platform Rig Name:	
Contin Release Type:		Platform Letter:	
Aircraft ID:		Allision:	U
Aircraft Runway No:		Type of Structure:	
Aircraft Spot No:		Structure Name:	
Aircraft Type:		Structure Oper:	U
Aircraft Model:		Transit Bus Flag:	
Aircraft Fuel Cap:		Date Time Norm Serv:	
Aircraft Fuel Cap U:		Serv Disrupt Time:	
Aircraft Fuel on Brd:		Serv Disrupt Units:	
Aircraft Fuel OB U:		CR Begin Date:	
Aircraft Hanger:		CR End Date:	
Road Mile Marker:		CR Change Date:	
Power Gen Facility:	U	FBI Contact:	
Generating Capacity:		FBI Contact Dt Tm:	
Type of Fixed Obj:		Passenger Handling:	UNKNOWN
Type of Fuel:		Passenger Route:	YES
DOT Crossing No:		Passenger Delay:	YES
DOT Regulated:	U	Sub Part C Test Req:	NO
Pipeline Type:		No of Conductor	
		Tested:	
Pipeline Abv Ground:	ABOVE	No of Engineer	
		Tested:	
Pipeline Covered:	U	No of Trainman	
		Tested:	
Exposed Underwater:	N	No of Yard Foreman	
		Tested:	
Railroad Hotline:		No of RCL Operator	
		Tested:	
Railroad Milepost:	A292.97	No of Brakeman	
		Tested:	
Grade Crossing:	N	No of Train Dispat	
		Tested:	
Crossing Device Ty:		No of Signalman	

Ty Vehicle Involved:

Device Operational: Y

Tested:

No of Other Emp

Tested:

No of Unknown Emp

Tested:

Incident Details Information

Release Secured: U

Release Rate:

Release Rate Unit:

Release Rate Rate:

Est Duration of Rel:

Desc Remedial Act: CALLER STATES THE TRAIN WAS DELAYED, THE ILL PASSENGER RECEIVED MEDICAL ATTENTION BUT IT IS UNKNOWN IF THE PASSENGER WAS SENT TO THE HOSPITAL OR REMAINED ON THE TRAIN.

Fire Involved: N

Fire Extinguished: U

Any Evacuations: N

No Evacuated:

Who Evacuated:

Radius of Evac:

Any Injuries: Y

No. Injured: 1

No. Hospitalized:

No. Fatalities:

Any Fatalities: N

Any Damages: N

Damage Amount:

Air Corridor Closed: N

Air Corridor Desc:

Air Closure Time:

Waterway Closed: N

Waterway Desc:

Waterway Close Time:

Road Closed: N

Road Desc:

Road Closure Time:

Road Closure Units:

Closure Direction:

Major Artery: No

Track Closed: N

Track Desc:

Track Closure Time:

Track Closure Units:

Track Close Dir:

Media Interest: NONE

Medium Desc: RAIL REPORT (N/A)

Addl Medium Info:

State Agen Report No:

State Agen on Scene:

State Agen Notified: SHERIFF'S DEPT.

Fed Agency Notified:

Oth Agency Notified:

Body of Water:

Tributary of:

Near River Mile Make:

Near River Mile Mark:

Offshore: N

Weather Conditions:

Air Temperature:

Wind Direction:

Wind Speed:

Wind Speed Unit:

Water Supp Contam: U

Water Temperature:

Wave Condition:

Current Speed:

Current Direction:

Current Speed Unit:

EMPL Fatality:

Pass Fatality:

Community Impact:

Passengers Transfer: NO

Passenger Injuries: 1

Employee Injuries:

Occupant Fatality:

Sheen Size:

Sheen Size Units:

Sheen Size Length:

Sheen Size Length U:

Sheen Size Width:

Sheen Size Width U:

Sheen Color:

Dir of Sheen Travel:

Sheen Odor Desc:

Duration Unit:

Additional Info:

Site:

CHURCH ST FLORENCE SC

ERNS

NRC Report No: 1334231

Type of Incident: RAILROAD

Incident Cause: DERAILMENT

Incident Date: 4/23/2022 7:03

Incident Location:

Incident Dtg: DISCOVERED

Distance from City:

Distance Units:

Direction from City:

Location County: FLORENCE

Potential Flag: No

Year: Year 2022 Reports

Description of Incident:

CALLER REPORTED A TRAIN DERAILED TWO LOCOMOTIVES AND TWO RAIL CARS. THE LEAD LOCOMOTIVE IS LEAKING FUEL AND LEANING WITH ALL WHEELS ON THE GROUND. THE SECOND

Latitude Degrees:

Latitude Minutes:

Latitude Seconds:

Longitude Degrees:

Longitude Minutes:

Longitude Seconds:

Lat Quad:

Long Quad:

Location Section:

Location Township:

Location Range:

ENGINE ALONG WITH THE OTHER TWO RAIL CARS ARE UPRIGHT.

Material Spill Information

Chris Code:	OOD	Unit of Measure:	GALLON(S)
CAS No:	000000-00-0	If Reached Water:	NO
UN No:		Amount in Water:	
Name of Material:	OIL, FUEL: NO. 1-D	Unit Reach Water:	
Amount of Material:	200		

Calls Information

Date Time Received:	4/23/2022 7:34:00 AM	Responsible City:	
Date Time Complete:	4/23/2022 7:39:00 AM	Responsible State:	XX
Call Type:	INC	Responsible Zip:	
Resp Company:		Source:	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		Building ID:	
Tank Regulated:	U	Location Area ID:	
Tank Regulated By:		Location Block ID:	
Capacity of Tank:		OCSG No:	
Capacity Tank Units:		OCSF No:	
Description of Tank:		State Lease No:	
Actual Amount:		Pier Dock No:	
Actual Amount Units:		Berth Slip No:	
Tank Above Ground:	ABOVE	Brake Failure:	U
NPDES:		Airbag Deployed:	U
NPDES Compliance:	U	Transport Contain:	U
Init Contin Rel No:		Location Subdiv:	CHARLESTON
Contin Rel Permit:		Platform Rig Name:	
Contin Release Type:		Platform Letter:	
Aircraft ID:		Allision:	U
Aircraft Runway No:		Type of Structure:	
Aircraft Spot No:		Structure Name:	
Aircraft Type:		Structure Oper:	U
Aircraft Model:		Transit Bus Flag:	
Aircraft Fuel Cap:		Date Time Norm Serv:	
Aircraft Fuel Cap U:		Serv Disrupt Time:	
Aircraft Fuel on Brd:		Serv Disrupt Units:	
Aircraft Fuel OB U:		CR Begin Date:	
Aircraft Hanger:		CR End Date:	
Road Mile Marker:		CR Change Date:	
Power Gen Facility:	U	FBI Contact:	
Generating Capacity:		FBI Contact Dt Tm:	
Type of Fixed Obj:		Passenger Handling:	
Type of Fuel:		Passenger Route:	NO
DOT Crossing No:		Passenger Delay:	NO
DOT Regulated:	U	Sub Part C Test Req:	UNK
Pipeline Type:		No of Conductor	
		Tested:	
Pipeline Abv Ground:	ABOVE	No of Engineer	
		Tested:	
Pipeline Covered:	U	No of Trainman	
		Tested:	
Exposed Underwater:	N	No of Yard Foreman	
		Tested:	
Railroad Hotline:		No of RCL Operator	
		Tested:	
Railroad Milepost:	A293.0	No of Brakeman	
		Tested:	
Grade Crossing:	N	No of Train Dispat	
		Tested:	
Crossing Device Ty:		No of Signalman	
		Tested:	
Ty Vehicle Involved:		No of Other Emp	

Device Operational: Y

Tested:
No of Unknown Emp
Tested:

Incident Details Information

Release Secured: N
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: CONTRACTOR IS RESPONDING.
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
No Evacuated:
Who Evacuated:
Radius of Evac:
Any Injuries: N
No. Injured:
No. Hospitalized:
No. Fatalities:
Any Fatalities: N
Any Damages: U
Damage Amount:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Closed: N
Waterway Desc:
Waterway Close Time:
Road Closed: N
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery: No
Track Closed: U
Track Desc:
Track Closure Time:
Track Closure Units:
Track Close Dir:
Media Interest: NONE
Medium Desc: LAND
Addl Medium Info: GROUND

State Agen Report No:
State Agen on Scene:
State Agen Notified:
Fed Agency Notified:
Oth Agency Notified:
Body of Water:
Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore: No
Weather Conditions: PARTLY CLOUDY
Air Temperature:
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam: U
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact:
Passengers Transfer: NO
Passenger Injuries:
Employee Injuries:
Occupant Fatality:
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:
Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info:

Site: AMERICAN BAKERIES CO
HWY 52 N FLORENCE SC 29501

LUST

Permit: N 03255
Category:
No of Tanks: 1
Billable: 0
Abandoned: 1
Other: 0
Last Inspection:
Facility: AMERICAN BAKERIES CO
Facility Street: HWY 52 N
Facilit City: FLORENCE
Facility State : SC
Facility Zip: 29501
County Code: 21
Fac County:
Operator Phone:
Business Address: HWY 52 N
FLORENCE SC 29501
Tank Owner Business Addr: AMERICAN BAKERIES CO
1153 E DAY ST
FLORENCE SC 29506-2722

Site No (EFIS):
Facility Name (EFIS):
Fac Address (EFIS):
Facility City (EFIS):
Facility State (EFIS):
Facility Zip (EFIS):
Facility (Web): AMERICAN BAKERIES CO
Address (Web): HWY 52 N
City (Web): FLORENCE
Zip Code (Web): 29501
County (Web): FLORENCE
Phone (Web):
Tank Owner Phone: 704-394-1181
Land Owner Phone:

Land Owner Business Addr:

Operator Business Addr:

Facility Link:

Data Source:

<https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03255>

SCDES Underground Storage Tank Registry (Web) (as of 2 Apr 2025); DHEC Confirmed Release Report (LUST) (as of 11 Dec 2024)

DHEC Online Registry - Release Report

Release No: 1
Source: UST
Reported: 9/14/1992
Confirmed: 9/20/1994
RBCA/ Score: /
Responsible Party: AMERICAN BAKERIES CO
Product:
Emergency Resp:
Superb Qualified:
Superb Determ Date:
Transferred:

Project Manager: WHITE, JIM
Compliance Req: False
Compliance Met: False
Compliance Date:
Abatement Met:
NFA: 9/20/1994
Fin Type: Unknown
Fin Res Mechanism:
Cleanup MCL:
Cleanup Initiated: 9/20/1994
Cleanup Complete: 9/20/1994

DHEC Confirmed Release Report

Release No: 1
NFA: 9/20/1994
Product: PETRO
Proj Mgr: WHITEJL
Status:
Reported: 9/14/1992
Rank Desc:
Facility: AMERICAN BAKERIES CO
Facility Street: HWY 52 N
Facility City: FLORENCE
Fac County: Florence
Facility Zip: 29501
Facility State: SC

Confirmed: 9/20/1994
Tank Owner: AMERICAN BAKERIES CO
Status Desc:
Score:
Rank:

Site: RAINBOW FARM CENTER
HIGHWAY 52 NORTH FLORENCE SC 29501

RCRA NON GEN

Handler ID: SCD000419531
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	Used Oil Transpor:	No
Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type: N **NAIC 1:** 325314

Seq No:	1	NAIC 2:	325312
Non Notifier:		NAIC 3:	
Receive Date:	19981102	NAIC 4:	
Active Site:	-----	State:	SC
Land Type:		Location Latitude:	
In Handler Univ:	N	Location Longitude:	
In A Universe:	N	Loc GIS Primary:	N
Gen Status:	N	Loc GIS Origin:	
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		
State Waste Generator:	4		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	-----		
As Converter Tsdf:	-----		
As State Regulated Tsdf:	-----		
As State Regulated Handler:	---		
Federal Indicator:	---		
Hsm:	N		
Subpart K:	----		
GPRA Permit:	N		
GPRA Renewal:	N		
Permit Renewal Wrkld:	-----		
Permwrk ID:	-----		
Perm Prog:	-----		
Pcwrkld:	-----		
Closwrkld:	-----		
GPRA Ca:	N		
Cawrkld:	N		
Subjca Tsd Discretion:	N		
NCAPS:	N		
EC Indicator:	N		
Ca725 Indicator:	N		
Ca750 Indicator:	N		
Operating Tsdf:	-----		
Full Enforcement:	-----		
Snc:	N		
Unaddressed Snc:	N		
Addressed Snc:	N		
Snc With Comp Sched:	N		
Fa Required:	----		
Hhandler Last Change:	20150414		
Recognized Trader Importer:	N		
Recognized Trader Exporter:	N		
Slab Importer:	N		
Slab Exporter:	N		
Manifest Broker:	N		
Subpart P:	N		
Contact Language:	EN		
Handler Name:	RAINBOW FARM CENTER		
Location Street No:			
Location Street1:	HIGHWAY 52 NORTH		
Location Street2:			
Location City:	FLORENCE		
Location State:	SC		
Location Zip:	29501		
Location County Code:	SC041		
Location County Name:	FLORENCE		
Location Country:	US		
Contact Name:	R GRIFFIN		
Contact Street No:			
Contact Street1:	BOX 4123		
Contact Street2:			
Contact City:	FLORENCE		
Contact State:	SC		
Contact Zip:	29501		

Contact Country: US
Contact Phone And Ext: 803-669-5266
Contact Fax:
Contact Email Address:
Contact Title:
Owner Name: OWNERNAME
Owner Type: P
Owner Seq: 1
Operator Name: OPERNAME
Operator Type: P
Operator Seq: 2
Public Notes:

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19981102
Handler Name: RAINBOW FARM CENTER
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: OPERNAME
Dt Became Current:
Dt Ended Current:
Phone: 404-555-1212
Source Type: Notification

Street No:
Street1: OPERSTREET
Street2:
City: OPERCITY
State: WY
Country:
Zip: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: OWNERNAME
Dt Became Current:
Dt Ended Current:
Phone: 404-555-1212
Source Type: Notification

Street No:
Street1: OWNERSTREET
Street2:
City: OWNERCITY
State: WY
Country:
Zip: 99999

Site: **TRANCO TRANSMISSIONS**
HWY 52 FLORENCE SC 29501

RCRA NON GEN

Handler ID: SCD981750888
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2025.

Evaluation Details

Eval Start Date: 19990106
Eval Type Desc: COMPLIANCE EVALUATION INSPECTION
Viol Short Desc:
Actual Rtc Date:
Eval Agency: State

Handler Summary

Importer: No **Used Oil Transpor:** No

Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	NAIC 1:	
Seq No:	1	NAIC 2:	
Non Notifier:		NAIC 3:	
Receive Date:	19990106	NAIC 4:	
Active Site:	----	State:	SC
Land Type:		Location Latitude:	
In Handler Univ:	N	Location Longitude:	
In A Universe:	N	Loc GIS Primary:	N
Gen Status:	N	Loc GIS Origin:	
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		
State Waste Generator:	4		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	-----		
As Converter Tsdf:	-----		
As State Regulated Tsdf:	-----		
As State Regulated Handler:	---		
Federal Indicator:	---		
Hsm:	N		
Subpart K:	----		
GPRA Permit:	N		
GPRA Renewal:	N		
Permit Renewal Wrkld:	-----		
Permwk ID:	-----		
Perm Prog:	-----		
Pcwrkld:	-----		
Closwrkld:	-----		
GPRA Ca:	N		
Cawrkld:	N		
Subjca Tsd Discretion:	N		
NCAPS:	N		
EC Indicator:	N		
Ca725 Indicator:	N		
Ca750 Indicator:	N		
Operating Tsdf:	-----		
Full Enforcement:	-----		
Snc:	N		
Unaddressed Snc:	N		
Addressed Snc:	N		
Snc With Comp Sched:	N		
Fa Required:	----		
Hhandler Last Change:	20150414		
Recognized Trader Importer:	N		
Recognized Trader Exporter:	N		
Slab Importer:	N		
Slab Exporter:	N		
Manifest Broker:	N		
Subpart P:	N		
Contact Language:	EN		
Handler Name:	TRANCO TRANSMISSIONS		
Location Street No:			
Location Street1:	HWY 52		

Location Street2:
Location City: FLORENCE
Location State: SC
Location Zip: 29501
Location County Code: SC041
Location County Name: FLORENCE
Location Country: US
Contact Name: O LARRIMORE
Contact Street No:
Contact Street1: P O BOX 5067
Contact Street2:
Contact City: FLORENCE
Contact State: SC
Contact Zip: 29501
Contact Country: US
Contact Phone And Ext: 803-665-4511
Contact Fax:
Contact Email Address:
Contact Title:
Owner Name: LARRIMORE O A
Owner Type: P
Owner Seq: 1
Operator Name: OPERNAME
Operator Type: P
Operator Seq: 2
Public Notes:

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19990106
Handler Name: TRANCO TRANSMISSIONS
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street1:	OPERSTREET
Name:	OPERNAME	Street2:	
Dt Became Current:		City:	OPERCITY
Dt Ended Current:		State:	WY
Phone:	404-555-1212	Country:	
Source Type:	Notification	Zip:	99999
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street1:	OWNERSTREET
Name:	LARRIMORE O A	Street2:	
Dt Became Current:		City:	OWNERCITY
Dt Ended Current:		State:	WY
Phone:	404-555-1212	Country:	
Source Type:	Notification	Zip:	99999

Site: SC FORESTRY COMM DISTRICT 2
US HIGHWAY 52 N FLORENCE SC 29503

RCRA NON GEN

Handler ID: SCD982098592
Generator Status: N
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	Used Oil Transpor:	No
Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	NAIC 1:	
Seq No:	2	NAIC 2:	
Non Notifier:		NAIC 3:	
Receive Date:	20020327	NAIC 4:	
Active Site:	----	State:	SC
Land Type:	P	Location Latitude:	
In Handler Univ:	N	Location Longitude:	
In A Universe:	N	Loc GIS Primary:	N
Gen Status:	N	Loc GIS Origin:	
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		
State Waste Generator:	4		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	----		
As Converter Tsdf:	----		
As State Regulated Tsdf:	----		
As State Regulated Handler:	---		
Federal Indicator:	---		
Hsm:	N		
Subpart K:	----		
GPRA Permit:	N		
GPRA Renewal:	N		
Permit Renewal Wrkld:	----		
Permwrk ID:	----		
Perm Prog:	----		
Pcwrkld:	----		
Closwrkld:	----		
GPRA Ca:	N		
Cawrkld:	N		
Subjca Tsd Discretion:	N		
NCAPS:	N		
EC Indicator:	N		
Ca725 Indicator:	N		
Ca750 Indicator:	N		
Operating Tsdf:	----		
Full Enforcement:	----		
Snc:	N		
Unaddressed Snc:	N		
Addressed Snc:	N		
Snc With Comp Sched:	N		
Fa Required:	----		

Hhandler Last Change: 20150414
Recognized Trader Importer: N
Recognized Trader Exporter: N
Slab Importer: N
Slab Exporter: N
Manifest Broker: N
Subpart P: N
Contact Language: EN
Handler Name: SC FORESTRY COMM DISTRICT 2
Location Street No:
Location Street1: US HIGHWAY 52 N
Location Street2:
Location City: FLORENCE
Location State: SC
Location Zip: 29503
Location County Code: SC041
Location County Name: FLORENCE
Location Country: US
Contact Name: MELVIN MATTOX
Contact Street No:
Contact Street1: P.O. BOX 1765
Contact Street2:
Contact City: FLORENCE
Contact State: SC
Contact Zip: 29503
Contact Country: US
Contact Phone And Ext: 803-669-7292
Contact Fax:
Contact Email Address:
Contact Title:
Owner Name: SC FORESTRY COMM
Owner Type: P
Owner Seq: 1
Operator Name: OPERNAME
Operator Type: S
Operator Seq: 2
Public Notes:

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19870526
Handler Name: SC FORESTRY COMM DISTRICT 2
Fed Waste Generator: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Seq No: 2
Receive Date: 20020327
Handler Name: SC FORESTRY COMM DISTRICT 2
Fed Waste Generator: N
Generator Code Description: Not a Generator, Verified
Source Type: Notification

Waste Code Details

Waste Code: D000
Waste Code Desc: DESCRIPTION

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: State
Name: OPERNAME
Dt Became Current:
Dt Ended Current:
Phone: 404-555-1212
Source Type: Notification

Street No:
Street1: OPERSTREET
Street2:
City: OPERCITY
State: WY
Country:
Zip: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: SC FORESTRY COMM
Dt Became Current:
Dt Ended Current:
Phone: 999-999-9999
Source Type: Notification

Street No:
Street1: US HIGHWAY 52 N
Street2:
City: FLORENCE
State: SC
Country:
Zip: 29503

Historical Handler Details

Receive Dt: 19870526
Generator Code Description: Small Quantity Generator
Handler Name: SC FORESTRY COMM DISTRICT 2

Site: FLORENCE DARLINGTON TECH
HWY 52 NORTH FLORENCE SC 29501

RCRA VSQG

Handler ID: SCD987598034
Generator Status: VSG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	Used Oil Transpor:	No
Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	NAIC 1:	
Seq No:	1	NAIC 2:	
Non Notifier:		NAIC 3:	
Receive Date:	19930729	NAIC 4:	
Active Site:	H----	State:	SC
Land Type:	P	Location Latitude:	34.229639
In Handler Univ:	Y	Location Longitude:	-79.799238
In A Universe:	Y	Loc GIS Primary:	N
Gen Status:	VSG	Loc GIS Origin:	AG
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		

State Waste Generator:	4
Short Term Generator:	N
Uni Waste:	N
Universal Waste Dest Facility:	N
Federal Universal Waste:	N
As Federally Regulated Tsdf:	-----
As Converter Tsdf:	-----
As State Regulated Tsdf:	-----
As State Regulated Handler:	---
Federal Indicator:	---
Hsm:	N
Subpart K:	----
GPRA Permit:	N
GPRA Renewal:	N
Permit Renewal Wrkld:	-----
Permwrk ID:	-----
Perm Prog:	-----
Pcwrkld:	-----
Closwrkld:	-----
GPRA Ca:	N
Cawrkld:	N
Subjca Tsd Discretion:	N
NCAPS:	N
EC Indicator:	N
Ca725 Indicator:	N
Ca750 Indicator:	N
Operating Tsdf:	-----
Full Enforcement:	-----
Snc:	N
Unaddressed Snc:	N
Addressed Snc:	N
Snc With Comp Sched:	N
Fa Required:	----
Hhandler Last Change:	20140729
Recognized Trader Importer:	N
Recognized Trader Exporter:	N
Slab Importer:	N
Slab Exporter:	N
Manifest Broker:	N
Subpart P:	N
Contact Language:	EN
Handler Name:	FLORENCE DARLINGTON TECH
Location Street No:	
Location Street1:	HWY 52 NORTH
Location Street2:	
Location City:	FLORENCE
Location State:	SC
Location Zip:	29501
Location County Code:	SC041
Location County Name:	FLORENCE
Location Country:	US
Contact Name:	DWIGHT ANDREWS
Contact Street No:	
Contact Street1:	HWY 52 NORTH
Contact Street2:	
Contact City:	FLORENCE
Contact State:	SC
Contact Zip:	29501
Contact Country:	US
Contact Phone And Ext:	803-661-8230
Contact Fax:	
Contact Email Address:	
Contact Title:	
Owner Name:	FLORENCE DARLINGTON COUNTIES
Owner Type:	C
Owner Seq:	1
Operator Name:	
Operator Type:	
Operator Seq:	
Public Notes:	

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19930729
Handler Name: FLORENCE DARLINGTON TECH
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D007
Waste Code Desc: CHROMIUM

Waste Code: D008
Waste Code Desc: LEAD

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: County
Name: FLORENCE DARLINGTON COUNTIES
Dt Became Current:
Dt Ended Current:
Phone: 803-661-8230
Source Type: Notification

Street No:
Street1: HWY 52 NORTH
Street2:
City: FLORENCE
State: SC
Country:
Zip: 29501

Site: **WHEATON BODY SHOP**
HWY 52 FLORENCE SC 29501

RCRA VSQG

Handler ID: SC0000030809
Generator Status: VSG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	Used Oil Transpor:	No
Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	NAIC 1:	
Seq No:	2	NAIC 2:	
Non Notifier:		NAIC 3:	
Receive Date:	20020327	NAIC 4:	
Active Site:	H----	State:	SC

Land Type:	P	Location Latitude:	34.238445
In Handler Univ:	Y	Location Longitude:	-79.810412
In A Universe:	Y	Loc GIS Primary:	N
Gen Status:	VSG	Loc GIS Origin:	AG
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		
State Waste Generator:	4		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	-----		
As Converter Tsdf:	-----		
As State Regulated Tsdf:	-----		
As State Regulated Handler:	---		
Federal Indicator:	---		
Hsm:	N		
Subpart K:	----		
GPRA Permit:	N		
GPRA Renewal:	N		
Permit Renewal Wrkld:	-----		
Permwrk ID:	-----		
Perm Prog:	-----		
Pcwrkld:	-----		
Closwrkld:	-----		
GPRA Ca:	N		
Cawrkld:	N		
Subjca Tsd Discretion:	N		
NCAPS:	N		
EC Indicator:	N		
Ca725 Indicator:	N		
Ca750 Indicator:	N		
Operating Tsdf:	-----		
Full Enforcement:	-----		
Snc:	N		
Unaddressed Snc:	N		
Addressed Snc:	N		
Snc With Comp Sched:	N		
Fa Required:	-----		
Hhandler Last Change:	20140729		
Recognized Trader Importer:	N		
Recognized Trader Exporter:	N		
Slab Importer:	N		
Slab Exporter:	N		
Manifest Broker:	N		
Subpart P:	N		
Contact Language:	EN		
Handler Name:	WHEATON BODY SHOP		
Location Street No:			
Location Street1:	HWY 52		
Location Street2:			
Location City:	FLORENCE		
Location State:	SC		
Location Zip:	29501		
Location County Code:	SC041		
Location County Name:	FLORENCE		
Location Country:	US		
Contact Name:	DALLAS WHEATON		
Contact Street No:			
Contact Street1:	HWY 52		
Contact Street2:			
Contact City:	FLORENCE		
Contact State:	SC		
Contact Zip:	29501		
Contact Country:	US		
Contact Phone And Ext:	803-662-9861		
Contact Fax:			
Contact Email Address:			

Contact Title:
Owner Name: WHEATON DALLAS
Owner Type: P
Owner Seq: 1
Operator Name:
Operator Type:
Operator Seq:
Public Notes:

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19931004
Handler Name: WHEATON BODY SHOP
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Seq No: 2
Receive Date: 20020327
Handler Name: WHEATON BODY SHOP
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: F001
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Code Desc: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: WHEATON DALLAS
Dt Became Current:
Dt Ended Current:
Phone: 803-662-9861
Source Type: Notification

Street No:
Street1: RT 10 BOX 12
Street2:
City: FLORENCE
State: SC
Country:
Zip: 29501

Historical Handler Details

Receive Dt: 19931004
Generator Code Description: Very Small Quantity Generator
Handler Name: WHEATON BODY SHOP

Site: GREGORY POOLE EQUIPMENT CO
HWY 52 NORTH FLORENCE SC 29501

RCRA VSQG

Handler ID: SCD982086415
Generator Status: VSG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2025, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	Used Oil Transpor:	No
Mixed Waste Gen:	No	Used Oil Trans Fac:	No
Transporter:	No	Used Oil Processor:	No
Transfer Facility:	No	Used Oil Refiner:	No
Recycler:	No	Used Oil Burner:	No
Onsite Burner Exem:	No	Commercial TSD:	No
Furnace Exemption:	No	Recycl Nonstorage:	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	NAIC 1:	
Seq No:	1	NAIC 2:	
Non Notifier:		NAIC 3:	
Receive Date:	19970130	NAIC 4:	
Active Site:	H----	State:	SC
Land Type:	P	Location Latitude:	34.229639
In Handler Univ:	Y	Location Longitude:	-79.799238
In A Universe:	Y	Loc GIS Primary:	N
Gen Status:	VSG	Loc GIS Origin:	AG
Report Cycle:		State District Owner:	SC
Accessibility:		State District:	PD
Region:	04		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	SC		
State Waste Generator:	4		
Short Term Generator:	N		
Uni Waste:	N		
Universal Waste Dest Facility:	N		
Federal Universal Waste:	N		
As Federally Regulated Tsdf:	-----		
As Converter Tsdf:	-----		
As State Regulated Tsdf:	-----		
As State Regulated Handler:	---		

Federal Indicator: ---
Hsm: N
Subpart K: ---
GPRA Permit: N
GPRA Renewal: N
Permit Renewal Wrkld: -----
Permwrk ID: -----
Perm Prog: -----
Pcwrkld: -----
Closwrkld: -----
GPRA Ca: N
Cawrkld: N
Subjca Tsd Discretion: N
NCAPS: N
EC Indicator: N
Ca725 Indicator: N
Ca750 Indicator: N
Operating Tsdf: -----
Full Enforcement: -----
Snc: N
Unaddressed Snc: N
Addressed Snc: N
Snc With Comp Sched: N
Fa Required: -----
Hhandler Last Change: 20140729
Recognized Trader Importer: N
Recognized Trader Exporter: N
Slab Importer: N
Slab Exporter: N
Manifest Broker: N
Subpart P: N
Contact Language: EN
Handler Name: GREGORY POOLE EQUIPMENT CO
Location Street No:
Location Street1: HWY 52 NORTH
Location Street2:
Location City: FLORENCE
Location State: SC
Location Zip: 29501
Location County Code: SC041
Location County Name: FLORENCE
Location Country: US
Contact Name: GEARY MCMINN
Contact Street No:
Contact Street1: PO BOX 5595
Contact Street2:
Contact City: FLORENCE
Contact State: SC
Contact Zip: 29405
Contact Country: US
Contact Phone And Ext: 919-890-4629
Contact Fax:
Contact Email Address:
Contact Title:
Owner Name: GREGORY POOLE EQUIP CO
Owner Type: P
Owner Seq: 1
Operator Name: OPERNAME
Operator Type: P
Operator Seq: 2
Public Notes:

Hazardous Waste Handler Details

Seq No: 1
Receive Date: 19970130
Handler Name: GREGORY POOLE EQUIPMENT CO
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator

Source Type: Notification

Waste Code Details

Waste Code: D000
Waste Code Desc: DESCRIPTION

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street1:	OPERSTREET
Name:	OPERNAME	Street2:	
Dt Became Current:		City:	OPERCITY
Dt Ended Current:		State:	WY
Phone:	404-555-1212	Country:	
Source Type:	Notification	Zip:	99999
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street1:	PO BOX 469
Name:	GREGORY POOLE EQUIP CO	Street2:	
Dt Became Current:		City:	RALEIGH
Dt Ended Current:		State:	NC
Phone:	919-890-4629	Country:	
Source Type:	Notification	Zip:	27602

Site: AMERICAN BAKERIES CO
HWY 52 N FLORENCE SC 29501

UST

Site No:	3255	Facility ID (Prohib):	
Permit:	N 03255	Fac Name (Prohib):	
Category:		Fac Addr (Prohib):	
No of Tanks:	1	Fac City (Prohib):	
Billable:	0	Facility Name (Web):	AMERICAN BAKERIES CO
Abandoned:	1	Facility Addr (Web):	HWY 52 N
Other:	0	Facility City (Web):	FLORENCE
Last Inspection:		Zip Code (Web):	29501
Facility Name:	AMERICAN BAKERIES CO	County (Web):	
Facility Address:	HWY 52 N	Phone (Web):	
Facility Zip:	29501	Tank Owner Phone:	704-394-1181
Facility Phone:		Land Owner Phone:	
Facility State:	SC	Operator Phone:	
Facility City:	FLORENCE	Facility Contact:	L THOMAS
County Code:	21		
Business Address:	HWY 52 N FLORENCE SC 29501		
Tank Owner Business Address:	AMERICAN BAKERIES CO 1153 E DAY ST FLORENCE SC 29506-2722		
Land Owner Business Address:			
Operator Business Address:			
Facility Link:	https://apps.des.sc.gov/USTRegistry/Home/siteDetails?permitNumber=UST03255		
Source:	SCDES Underground Storage Tank Registry (Web); SCDES Management Tracking UST 'C' List		

Tank Information - UST Registry Search

Tank No:	1	Chem:	
Case No:		Left Gal:	
Class:	N	Owner at ABD:	AMERICAN BAKERIES CO
Status:	Abandoned	Last Use:	
Capacity:	10000	Aband:	5/4/1992
Variance:		Method:	Removed
Product:	Gasoline	Under Dispnr Cont:	False
Overfill Type:		Drop Tube:	False
Verified:		Tank Const:	Steel
Constr Date:		Tank Protect:	

Operat Date:
Notify: 5/26/1987
Spill Prevention:
Compliance:
Comp Status:
Age at Notif: 10
Dist to Well (ft):
Tank Leak Det:
Pipe Leak Det:

Tank Tested:
Tank Cont Meth: Single wall
Pipe Cont Meth: Single wall
Pipe Protect:
Pipe Tested:
Pipe Const: Steel
Piping Type:

Tank Information - UST 'C' List

Tank No: 1
Capacity Gal: 10000
Status Code: ABD
Status: Abandoned
Chemical: GN
Age at Notif. Years: 10
Owner: AMERICAN BAKERIES CO
Tank Owner Contact: L THOMAS
Street: 1153 E DAY ST
Tank Owner City: FLORENCE

Tank Owner State: SC
Tank Owner Zip: 29506-2722
Tank Owner Phone: 704-394-1181
Facility: AMERICAN BAKERIES CO
Contact 1: L THOMAS
Phone 1:
Facility Address: HWY 52 N
City 1: FLORENCE
St 1: SC
Zip 1: 29501

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 8, 2025

National Priority List - Proposed:

PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 8, 2025

Deleted NPL:

DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 8, 2025

SEMS List 8R Active Site Inventory:[SEMS](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

Government Publication Date: Feb 26, 2025

Inventory of Open Dumps, June 1985:[ODI](#)

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:[SEMS ARCHIVE](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Feb 26, 2025

Comprehensive Environmental Response, Compensation and Liability Information System -[CERCLIS](#)**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:[RCRA CORRACTS](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jan 6, 2025

RCRA non-CORRACTS TSD Facilities:[RCRA TSD](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Jan 6, 2025

RCRA Generator List:[RCRA LQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jan 6, 2025

RCRA Small Quantity Generators List:[RCRA SQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jan 6, 2025

RCRA Very Small Quantity Generators List:[RCRA VSQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jan 6, 2025

RCRA Non-Generators:[RCRA NON GEN](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jan 6, 2025

RCRA Sites with Controls:[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Jan 6, 2025

Federal Engineering Controls-ECs:[FED ENG](#)

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Mar 27, 2025

Federal Institutional Controls- ICs:

FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Mar 27, 2025

Land Use Control Information System:

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites:

NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Mar 8, 2025

Emergency Response Notification System:

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Apr 6, 2025

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 19, 2025

FEMA Underground Storage Tank Listing:

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan:

FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans:

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jan 9, 2024

Historical Gas Stations:

HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries:

REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Oct 31, 2024

Petroleum Product and Crude Oil Rail Terminals:

BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from Oak Ridge National Laboratory hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Oct 31, 2024

LIEN on Property:

SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jan 29, 2025

Superfund Decision Documents:

SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Feb 26, 2025

State

State Remediation Projects:

REMEDIATION

This list of State Remediation Projects is maintained by the South Carolina Department of Environmental Services (SCDES) Clean Up Projects in Progress/Superfund Program. This SCDES Program aims to protect the environment through assessing, remediating, and cleaning up applicable polluted sites.

Government Publication Date: Sep 6, 2024

Permitted Landfills List:

SWF/LF

The South Carolina Department of Environmental Services (SCDES) maintains a list of permitted solid waste and landfill facilities in South Carolina.

Government Publication Date: May 1, 2025

Site Assessment Section Project List:

SASPL

The South Carolina Department of Environmental Services (SCDES) Bureau of Land & Waste Management keeps record of the state hazardous waste sites in their Site Assessment Section Project List. Includes sites that have had or have ongoing assessment and/or remediation; sites assessed under CERCLA and state authority, as well as federal and state Superfund sites; sites within the Drycleaning Restoration Trust Fund; and state voluntary cleanups sites and Brownfields sites.

Government Publication Date: Aug 14, 2024

Delisted Site Assessment Section Project List:

DELISTED SHWS

List of sites that once appeared on – and have since been removed from – the list of hazardous waste sites made available by South Carolina Department of Environmental Services (SCDES), previously known as the South Carolina Department of Health and Environmental Control (DHEC), Bureau of Land & Waste Management Site Assessment Section.

Government Publication Date: Aug 14, 2024

Leaking Underground Storage Tank List:

LUST

List of incidents involving releases from underground storage tanks. Includes records from the SCDES Confirmed Release Report (LUST), and tank sites from the Underground Storage Tank Division's UST Registry Search with confirmed or unconfirmed releases. Data made available by the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Apr 2, 2025

Release Incidents - Groundwater Tracking:

LAST

A listing of incidents involving petroleum releases from unregulated sources such as aboveground storage tanks, heating oil tanks and spills during transport reported to the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Apr 16, 2025

Delisted Leaking Storage Tanks:

DELISTED LST

List of sites that once appeared on – and have since been removed from – leaking aboveground storage tank listings and/or leaking underground storage tank listings made available by the South Carolina Department of Environmental Services (SCDES), previously known as the South Carolina Department of Health and Environmental Control (DHEC).

Government Publication Date: Apr 30, 2025

Underground Storage Tank List:

UST

List of permitted underground storage tank sites. Includes records from the SCDES UST List, and tank sites from the Underground Storage Tank Division's UST Registry Search. Data made available by the Underground Storage Tank Division of the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Apr 30, 2025

Aboveground Storage Tanks (SCDA):

AST

A list of aboveground storage tanks made available by South Carolina Department of Agriculture (SCDA).

Government Publication Date: Apr 15, 2025

Aboveground Storage Tanks (SC State Fire):

AST SFM

A list of aboveground storage tanks known to South Carolina Department of Labor, Licensing and Regulation's Office of State Fire Marshal. The status of tanks on this list is unknown, as State Fire approves plans for ASTs prior to construction.

Government Publication Date: Sep 19, 2017

Delisted Storage Tanks:

DELISTED TANKS

List of sites that once appeared on – and have since been removed from – underground storage tank site listings made available by the South Carolina Department of Environmental Services (SCDES), previously known as the South Carolina Department of Health and Environmental Control (DHEC), and/or aboveground storage tank listings made available from the South Carolina Department of Agriculture (SCDA).

Government Publication Date: Apr 30, 2025

Registry of Conditional Remedies:

RCR

A Conditional Remedy is an environmental remedy that includes certain qualifications. These qualifications are divided into two major categories: Remedies requiring Land Use Controls and Conditional No Further Actions (CNFA). This registry is managed by the South Carolina Department of Environmental Services (SCDES) and does not include UST sites where a No Further Action (NFA) letter was issued.

Government Publication Date: Feb 25, 2025

Site Assessment and Remediation Public Record Database:

VCP

The Site Assessment and Remediation Public Record Database identifies brownfield sites for potential redevelopment and sites undergoing cleanup activities and assessment. Data made available by the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Apr 9, 2025

Brownfields Sites Listing:

BROWNFIELDS

List of sites that have enrolled in the Brownfields Program, maintained by the South Carolina Department of Environmental Services (SCDES) Bureau of Land & Waste Management (LWM) SARR (Division of Site Assessment, Remediation and Revitalization).

Government Publication Date: Jan 7, 2025

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands:

INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes South Carolina, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 14, 2017

Underground Storage Tanks (USTs) on Indian Lands:

INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes South Carolina, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks:

DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 18, 2024

Delisted Tribal Underground Storage Tanks:

DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 18, 2024

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data:

PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO₂e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time. Note that some regulatory programs have specified chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard.

On-Scene Coordinator Response Sites:

OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index:

FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Apr 23, 2025

Toxics Release Inventory (TRI) Program:

TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites:

PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Mar 31, 2025

Federal Agency Locations with Known or Suspected PFAS Detections:

PFAS FED SITES

This list of federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is made available by the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools data. The EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Oct 24, 2024

SSEHRI PFAS Contamination Sites:

PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

National Response Center PFAS Spills:

[PFAS ERNS](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam," "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Mar 24, 2025

PFAS NPDES Discharge Monitoring:

[PFAS NPDES](#)

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Dec 16, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:

[PFAS TRI](#)

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data:

[PFAS WATER](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Jan 13, 2025

PFAS TSCA Manufacture and Import Facilities:

[PFAS TSCA](#)

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest :

[PFAS E-MANIFEST](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Mar 23, 2025

PFAS Industry Sectors:

[PFAS IND](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Mar 24, 2025

Hazardous Materials Information Reporting System:

[HMIRS](#)

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

National Clandestine Drug Labs:

[NCDL](#)

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act:

[TSCA](#)

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA:

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

[FTTS ADMIN](#)

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Nov 20, 2024

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Apr 13, 2024

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 6, 2025

Delisted Drycleaner Facilities:

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 6, 2025

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites:

FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites:

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents:

PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: May 6, 2024

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Feb 5, 2024

Surface Mining Control and Reclamation Act Sites:

SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 20, 2024

Mineral Resource Data System:

MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites:

LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations:

ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: May 12, 2025

Superfunds Consent Decrees:

CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jun 26, 2024

Air Facility System:

AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments:

SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers:

PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: May 23, 2024

Power Plants:

POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Historical Business Activity Risk:

HIST RISK

Proprietary list of sites identified as potentially having engaged in business activity that poses a higher-than-normal risk of contamination. Records originate from historical city directories, and are included in this list based on broad business categories Potentially Hazardous Chemical Users and Fuel and Automotive, including but not limited to Dry Cleaners and Fuel Stations, Garages, etc. Inclusion in this listing does not indicate that there is or ever has been contamination; rather, sites are included in this list due to their potential for having engaged in a business activity presenting an elevated risk of contamination. The list was compiled from various city directories including Polks, Millers, Mullin Kille, Interstate Directory, and State Directory Co; spanning roughly 1920s through 1960 depending on information available by city.

Government Publication Date: Jan 1, 1960

State

Spills List:

SPILLS

A list of spills and releases managed by the South Carolina Department of Environmental Services (SCDES).

Government Publication Date: Sep 24, 2024

Drycleaning Facility Restoration Trust Fund Database:

DRYCLEAN FUND

This Priorities list of Drycleaning Facility Restoration Trust Fund (DFRTF) facilities is provided by South Carolina Department of Environmental Services (SCDES) Bureau of Land and Waste Management. The SCDES is responsible for administering the DFRTF to manage the assessment and remediation of drycleaning facilities statewide by prioritizing sites for future funding based on available assessment information. The Funding Priority system categorizes sites into one of five groups and is designed to identify sites that require immediate action to eliminate the risk of human exposure, prevent imminent exposure to environmental contamination, or indicate no funded activity planned when applicable.

Government Publication Date: Apr 16, 2024

Dry Cleaners:

DRY CLEANERS

A list of dry cleaners provided by the former South Carolina Department of Health and Environmental Control (DHEC), now known as the South Carolina Department of Environmental Services (SCDES). The SCDES no longer maintains this list of dry cleaners. Please refer to the Priorities list of Drycleaning Facility Restoration Trust Fund facilities as the currently available listing.

Government Publication Date: Jan 9, 2019

Delisted Drycleaning Facilities:

DELISTED DRYCLEANERS

List of sites that once appeared on – and have since been removed from – drycleaner listings made available by South Carolina Department of Environmental Services (SCDES), previously known as the South Carolina Department of Health and Environmental Control (DHEC).

Government Publication Date: Apr 16, 2024

Air Permitted Facilities:

AIR PERMIT

The South Carolina Department of Environmental Services (SCDES) Bureau of Air Quality (BAQ) issues permits limiting the amount of regulated air contaminants emitted at a facility. According to the BAQ, an air permit is a legal document that lists what a source must do in order to comply with the state and federal air pollution laws. The facility's potential to emit emissions determines if a facility is classified as major or minor or if the facility has to undergo a major modification. The BAQ issues construction permit, operating permits, general permits, and registration permits. Some permits may be exempted, such as: construction permit exemptions specified in Regulation 61-62.1, Section II (B)(1)(a) through (c), Regulation 61-62.70.2(r), and Regulation 61-62.1, Section II (B)(2)(a) through (h); source- specific exemptions; and emission-level exemptions specified in Regulation 61-62.5 - Standard No. 8, Toxic Air Pollutants.

Government Publication Date: May 8, 2025

Underground Injection Control Wells:

UIC

This list of Underground Injection Control Class V Wells is provided by the South Carolina Department of Environmental Services (SCDES). The majority of Class V Wells are aquifer remediation injection wells, and the remaining are Aquifer Storage and Recovery Wells (storage of potable water in the subsurface).

Government Publication Date: May 6, 2024

Agricultural Facilities:

AGRI FAC

A list of permitted agricultural facilities (livestock operations) provided by the former South Carolina Department of Health and Environmental Control (DHEC), now known as the South Carolina Department of Environmental Services (SCDES). The list was supplied by the SCDES Bureau of Water. The SCDES provides no warranty, expressed or implied, as to the accuracy, reliability, or completeness of the data.

Government Publication Date: Apr 28, 2025

Surface Water PFAS Sampling:**PFAS SAMPLING**

The South Carolina Department of Environmental Services (SCDES) has implemented the Ambient Surface Water PFAS Strategy to monitor Per- and Polyfluoroalkyl Substances (PFAS) levels in surface water and associated biota. The Ambient Surface Water Strategy includes analysis of samples from lakes, rivers, and streams across South Carolina, as well as samples from fish, oyster, and blue crab. This summary data includes concentrations each time the site was sampled for six individual PFAS: PFOA, PFOS, PFNA, HFPO-DA or Gen-X, PFHxS, and PFBS. Concentrations identified with a dash (-) indicate the compound was analyzed for but not detected. The SCDES provides this data for general reference purposes only and provides no warranty as to its accuracy, reliability or completeness.

Government Publication Date: May 16, 2024

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



Property Information

Order Number:	25061100519p
Date Completed:	June 12, 2025
Project Number:	24-458664.3
Project Property:	Churchill Apartments 1117 June Lane FLORENCE SC 29506
Coordinates:	
Latitude:	34.1758785
Longitude:	-79.7599034
UTM Northing:	3782219.63942 Meters
UTM Easting:	614309.600553 Meters
UTM Zone:	UTM Zone 17S
Elevation:	87.12 ft
Slope Direction:	SSE

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Geologic Information.....	15
Soil Information.....	17
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Appendix.....	69
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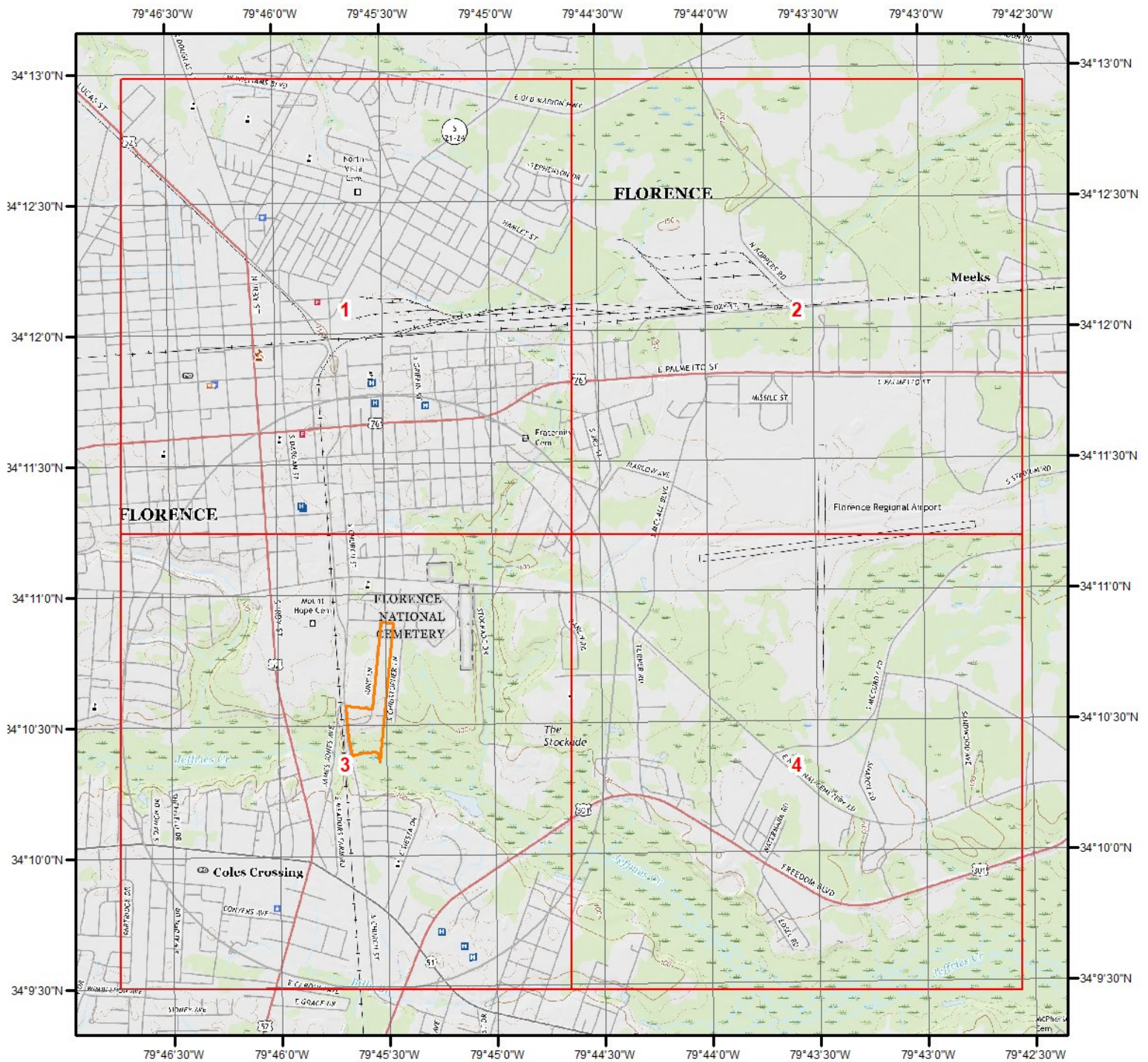
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

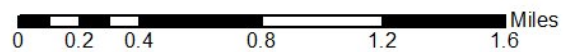
Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2020)

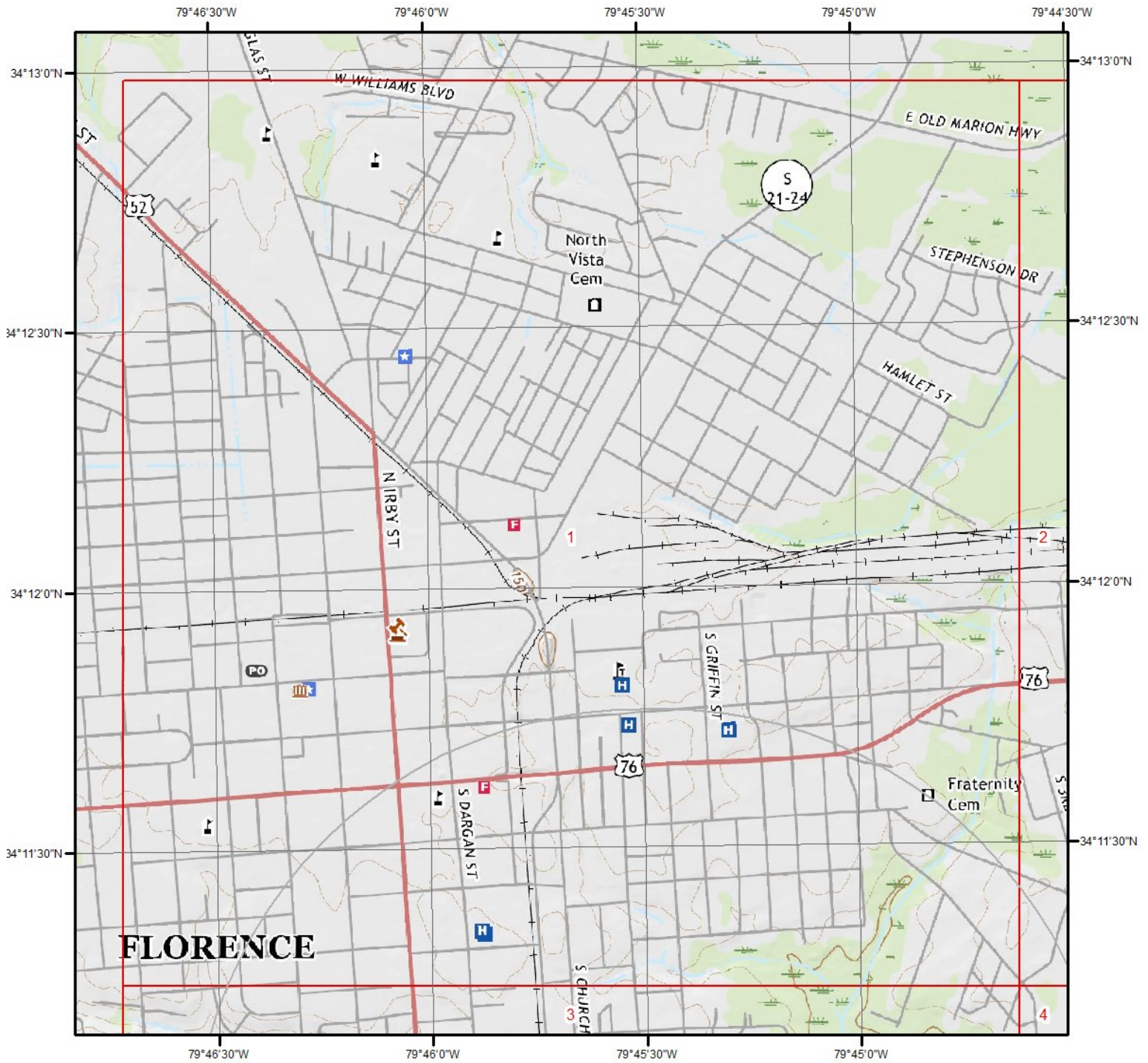


**Quadrangle(s): Witherspoon Island,SC; Effingham,SC; Florence East,SC;
Florence West,SC; Darlington East,SC; Evergreen,SC**

Source: USGS 7.5 Minute Topographic Map



Topographic Information



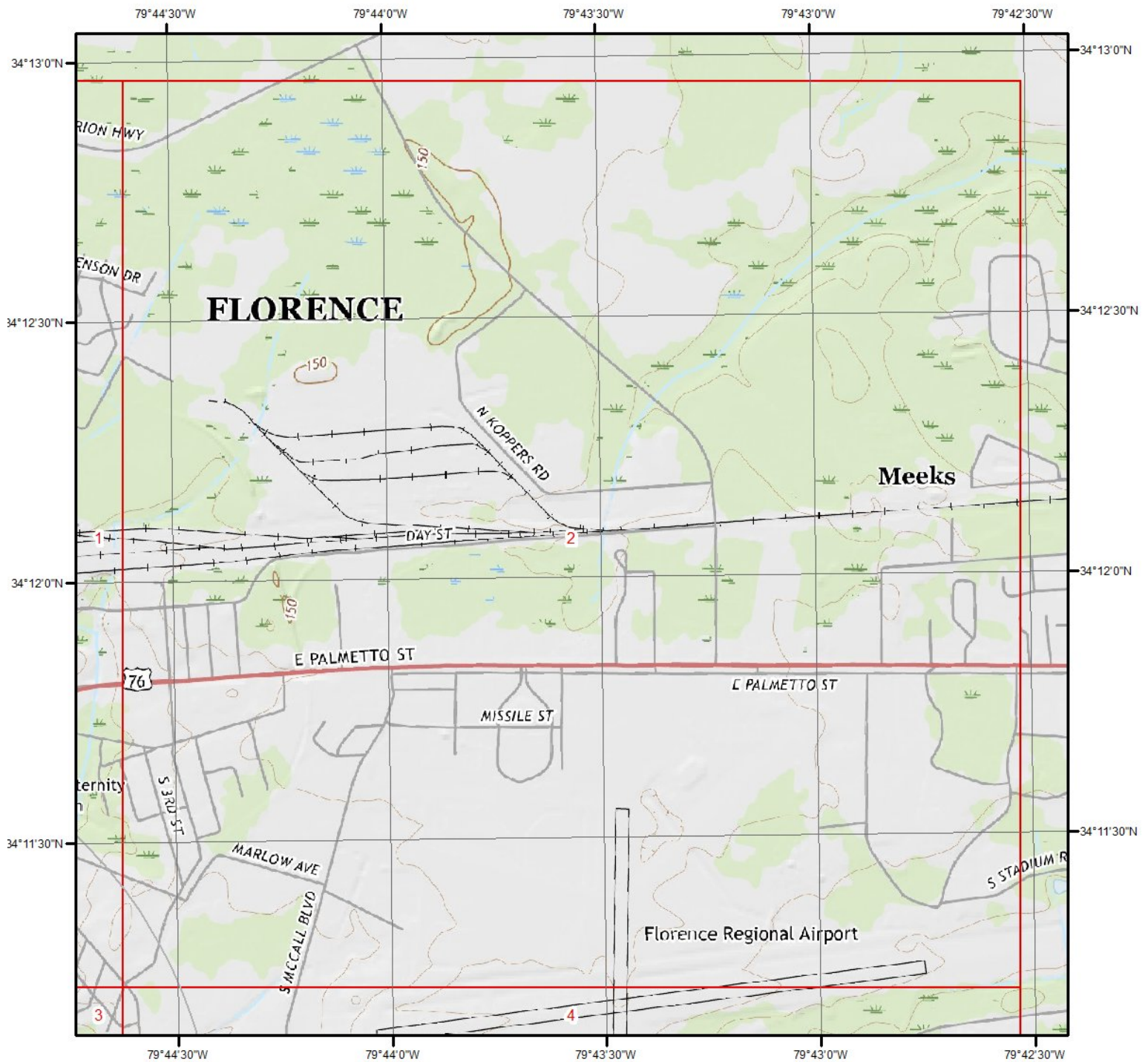
Current USGS Topo - Page 1

Quadrangle(s): Florence East, SC; Florence West, SC

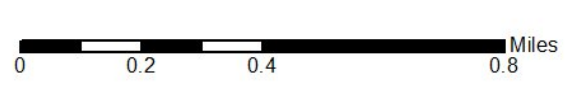
Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 2

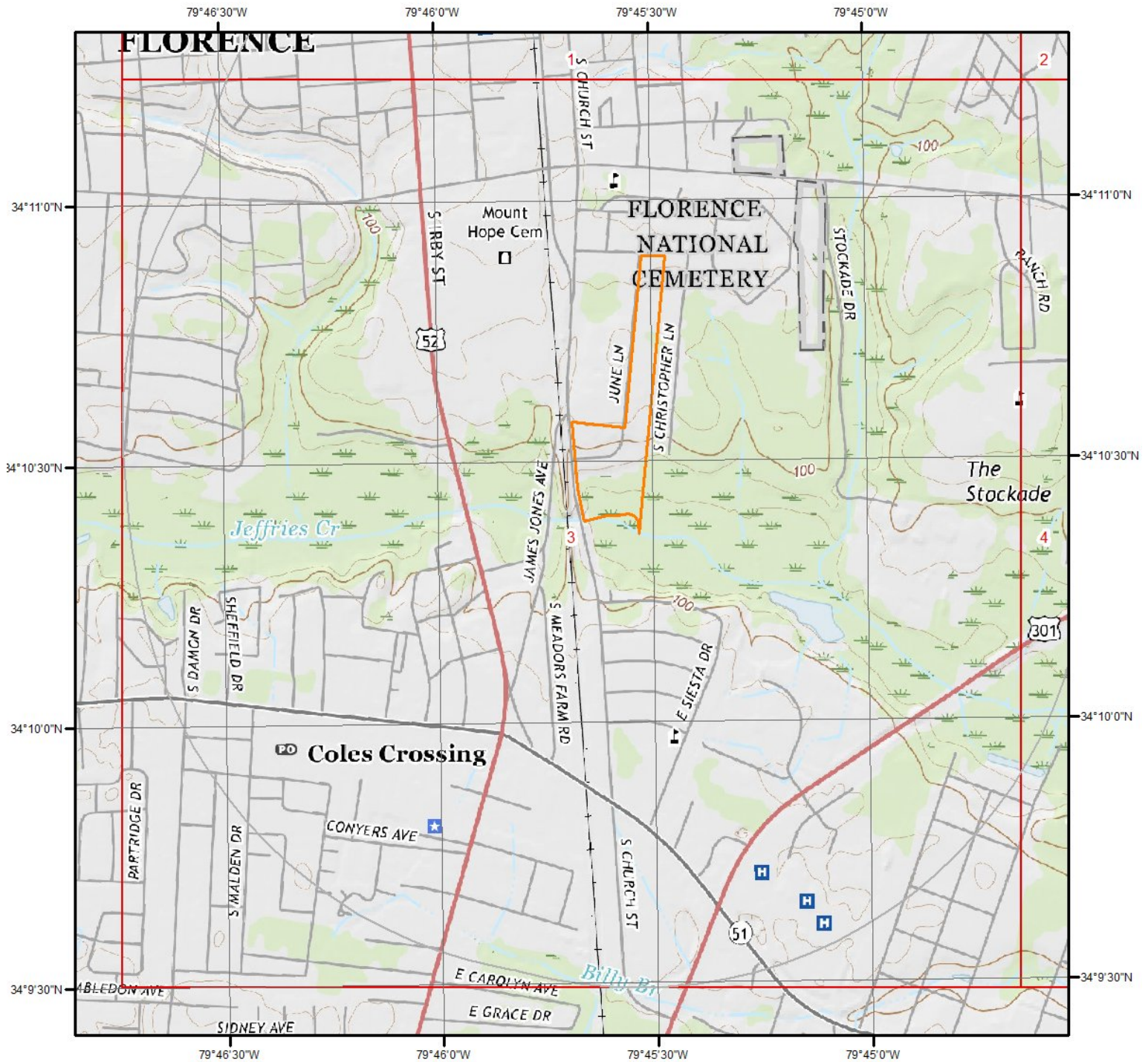


Quadrangle(s): Florence East, SC

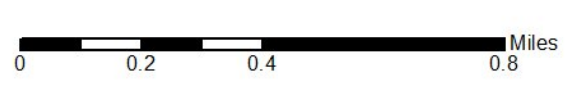
Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 3



Quadrangle(s): Florence East,SC; Florence West,SC

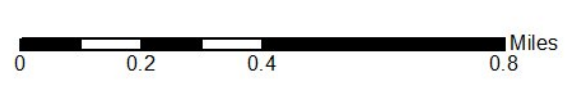
Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 4



Quadrangle(s): Florence East, SC

Source: USGS 7.5 Minute Topographic Map

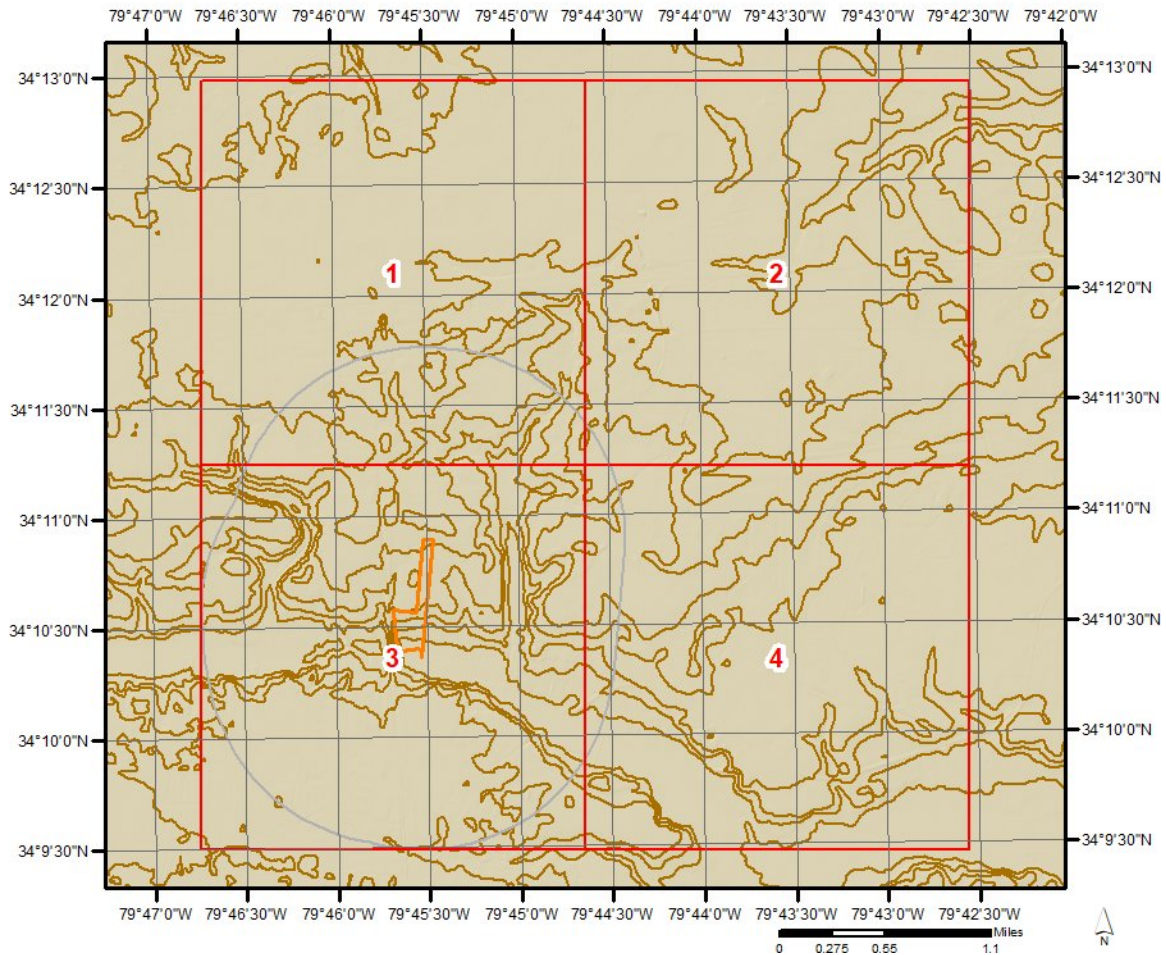


Topographic Information

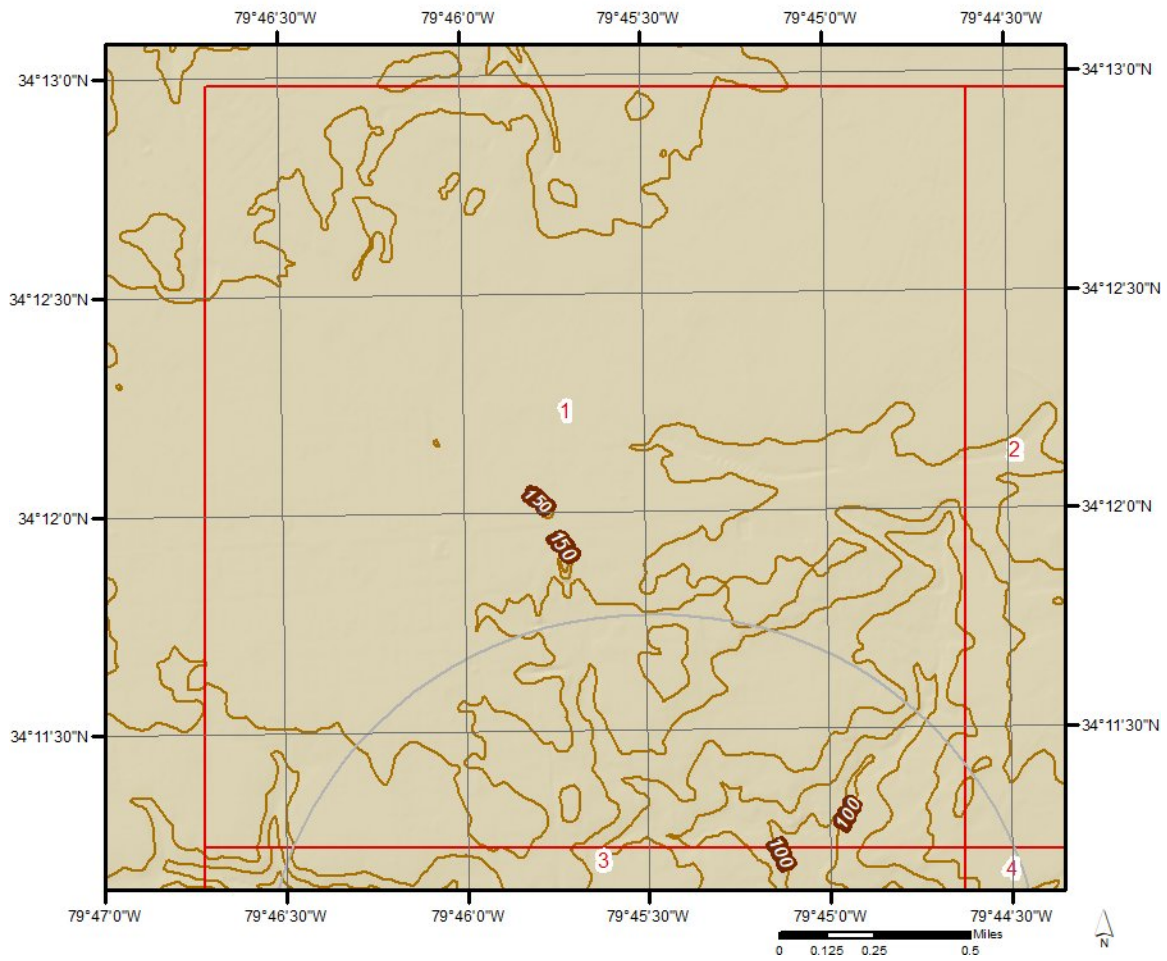
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

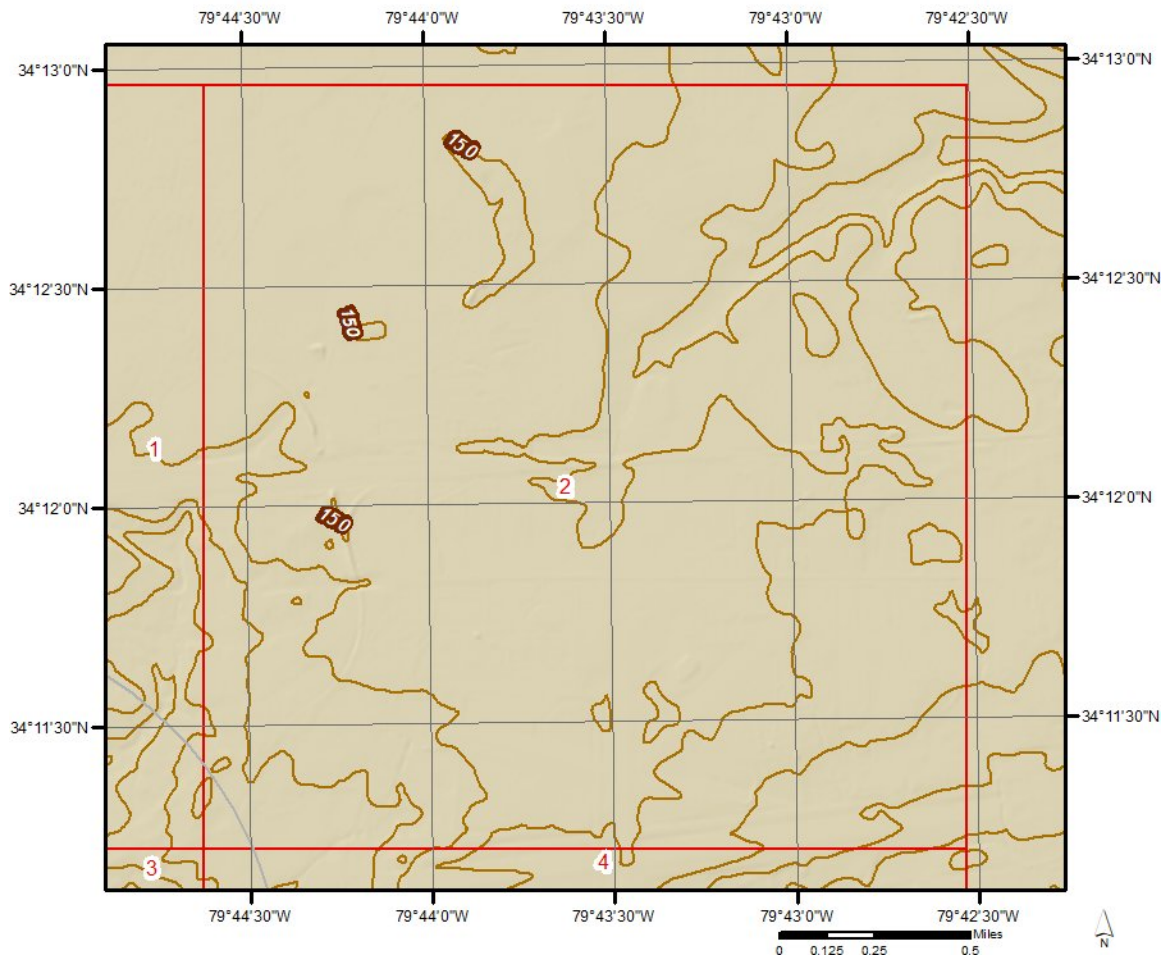
Elevation: 87.12 ft
Slope Direction: SSE



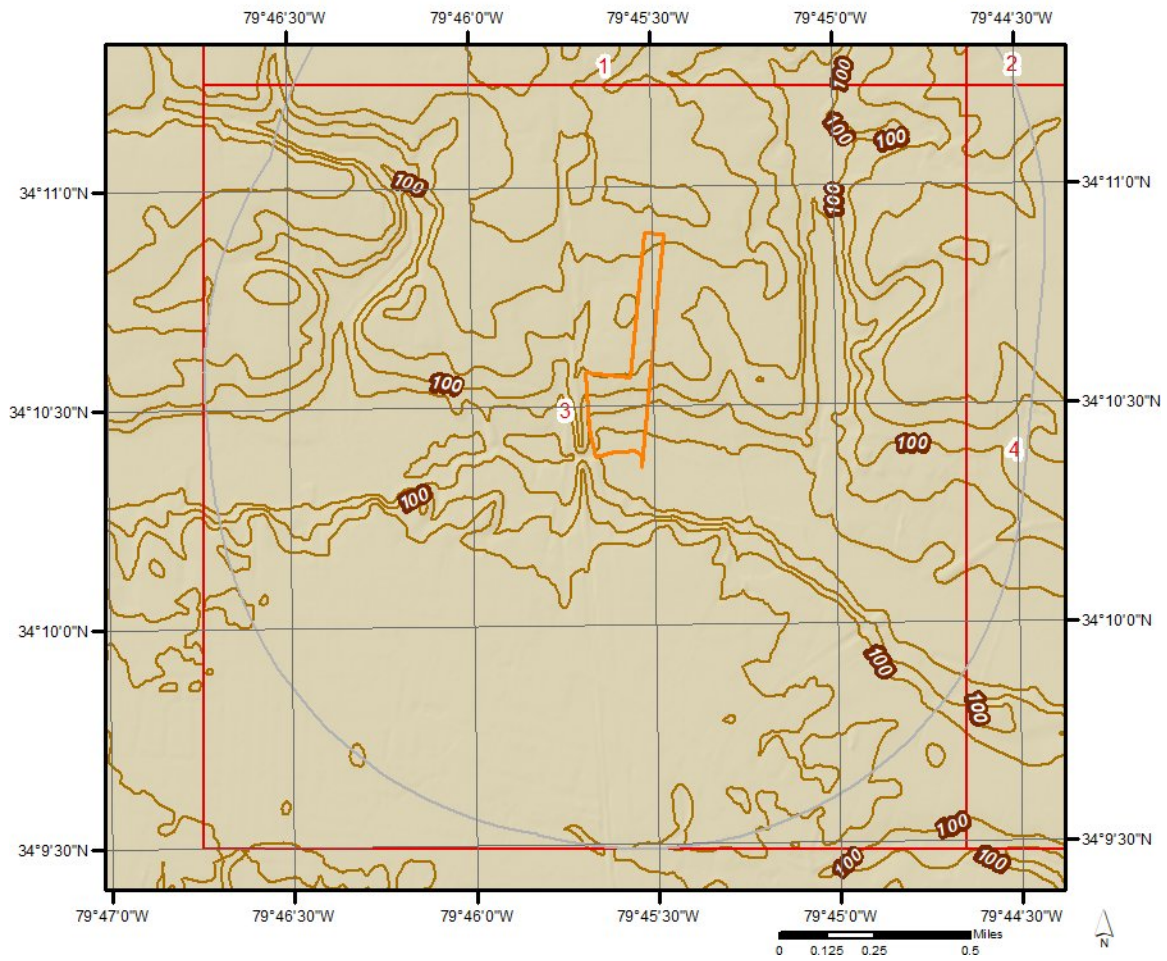
Topographic Information



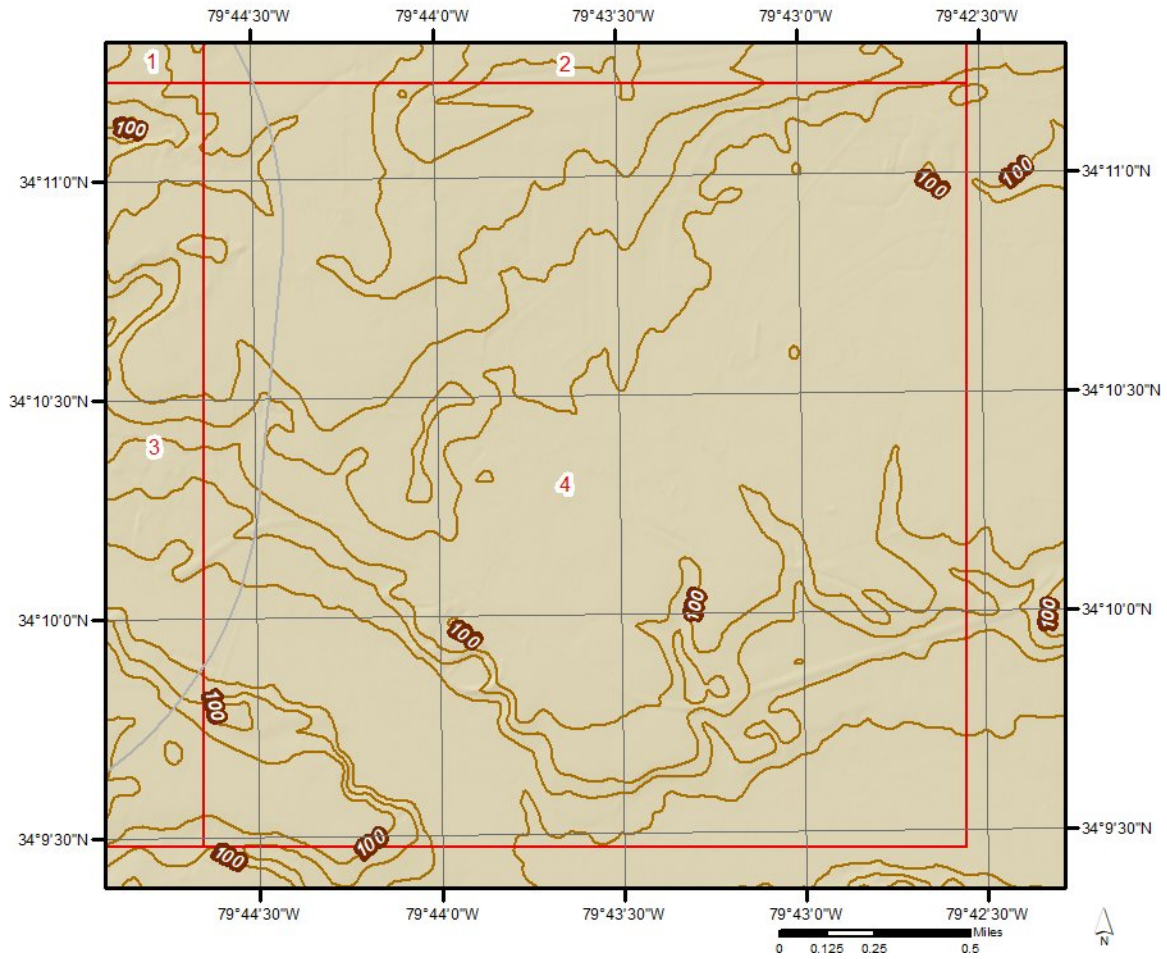
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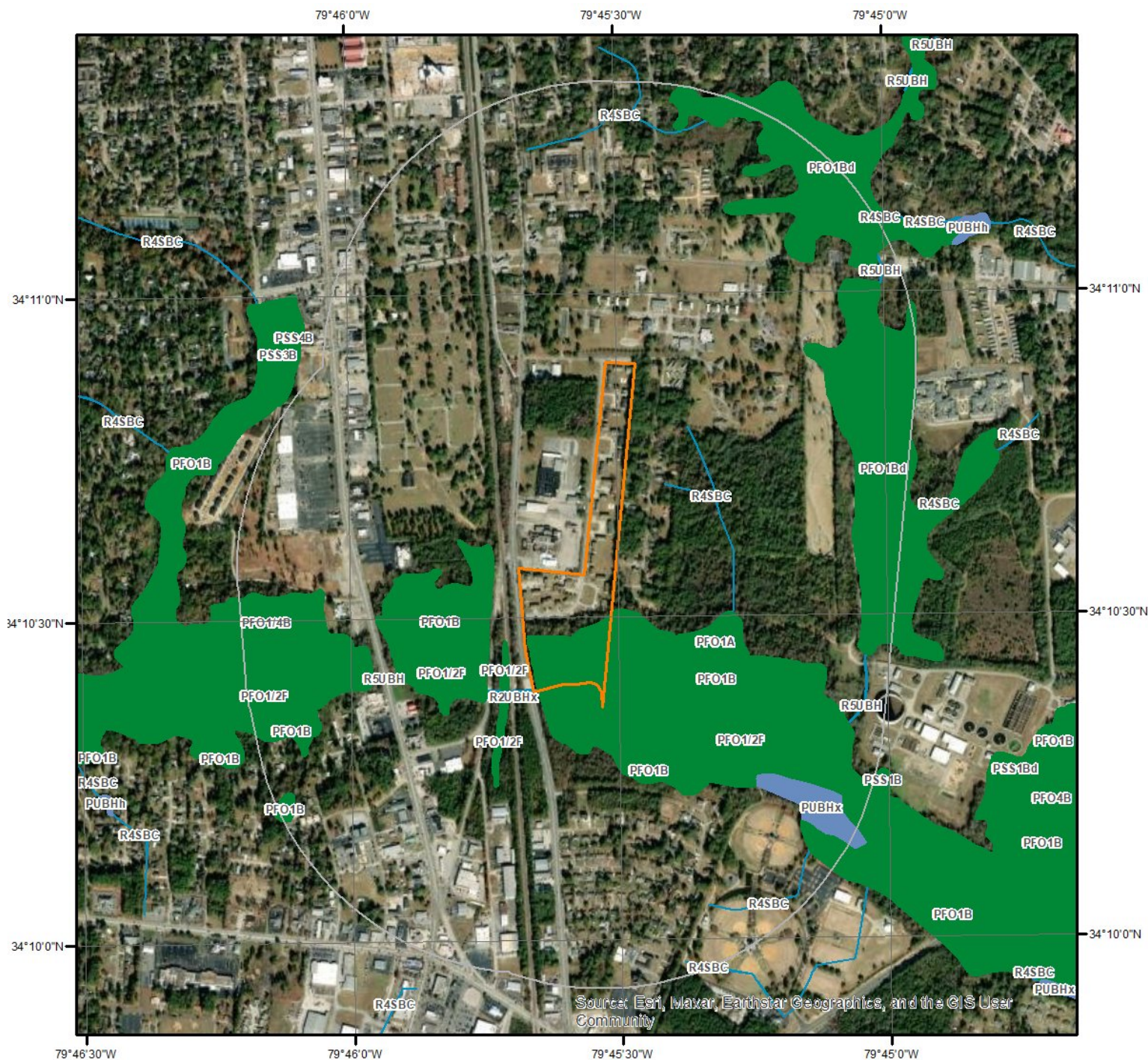
Topographic Information



Topographic Information

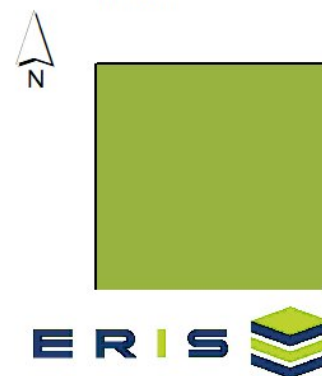
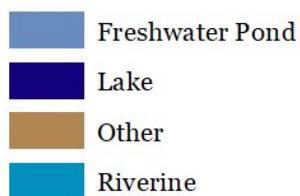
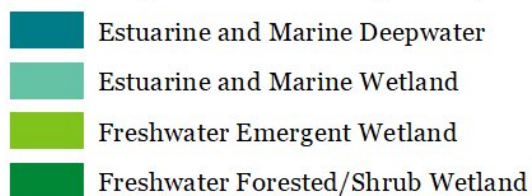


Hydrologic Information



Wetland

This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.



Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

-  1% Annual Chance Flood Hazard
  Future Conditions 1% Annual Chance Flood Hazard
-  Regulatory Floodway
  Area with Reduced Risk Due to Levee
-  Special Floodway
  Area with Risk Due to Levee
-  Area of Undetermined Flood Hazard
  Open Water

Quadrangle(s): Witherspoon Island,SC; Effingham,SC; Florence East,SC; Florence



Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

Available FIRM Panels in area: 45031C0475C(effective:2013-02-06) 45041C0142E(effective:2014-12-16)

Flood Zone AE-01

Zone: AE

Zone subtype:

Flood Zone AE-11

Zone: AE

Zone subtype: FLOODWAY

Flood Zone X-01

Zone: X

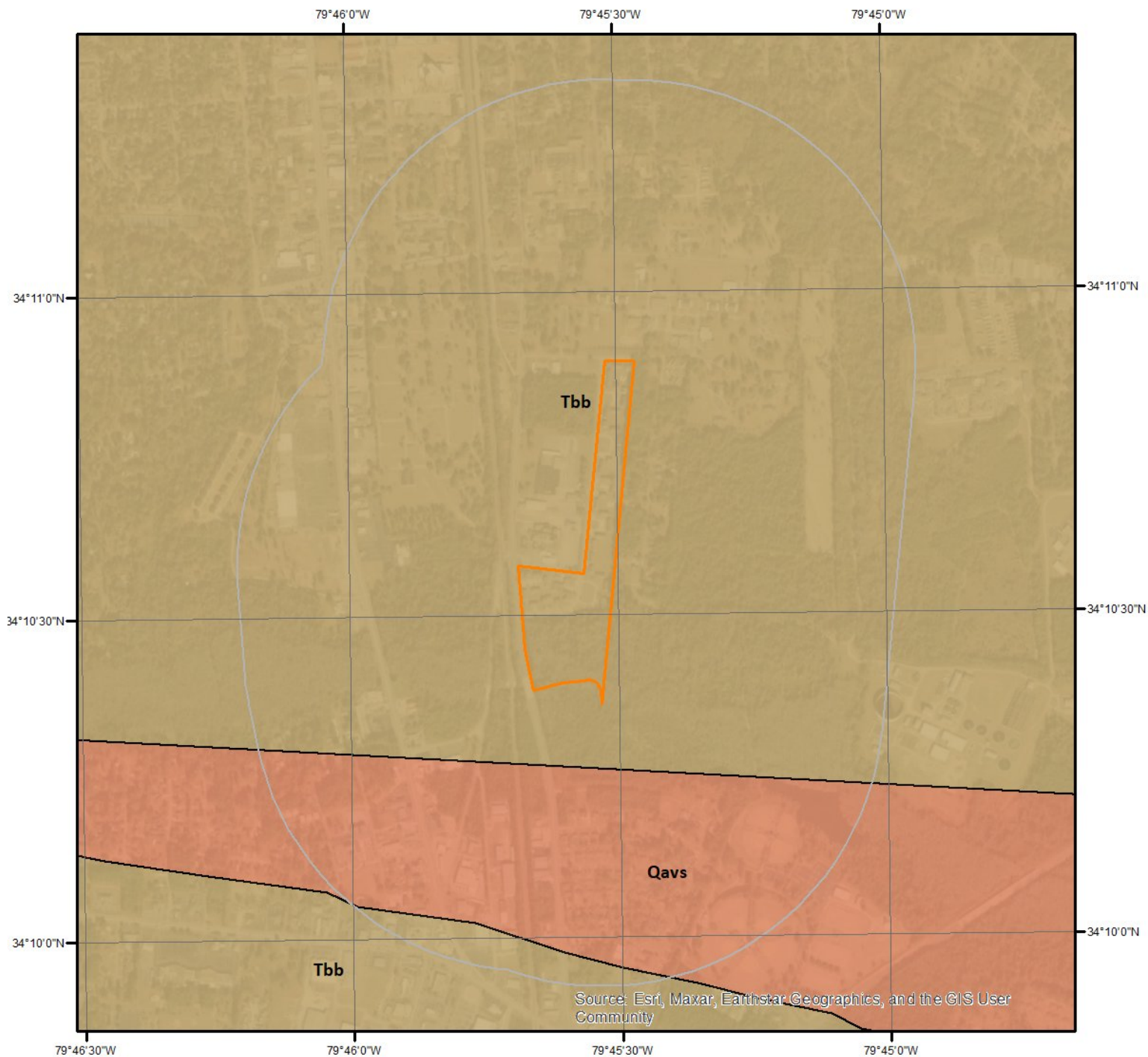
Zone subtype: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone: X

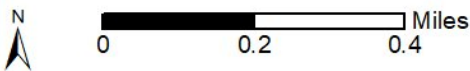
Zone subtype: AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

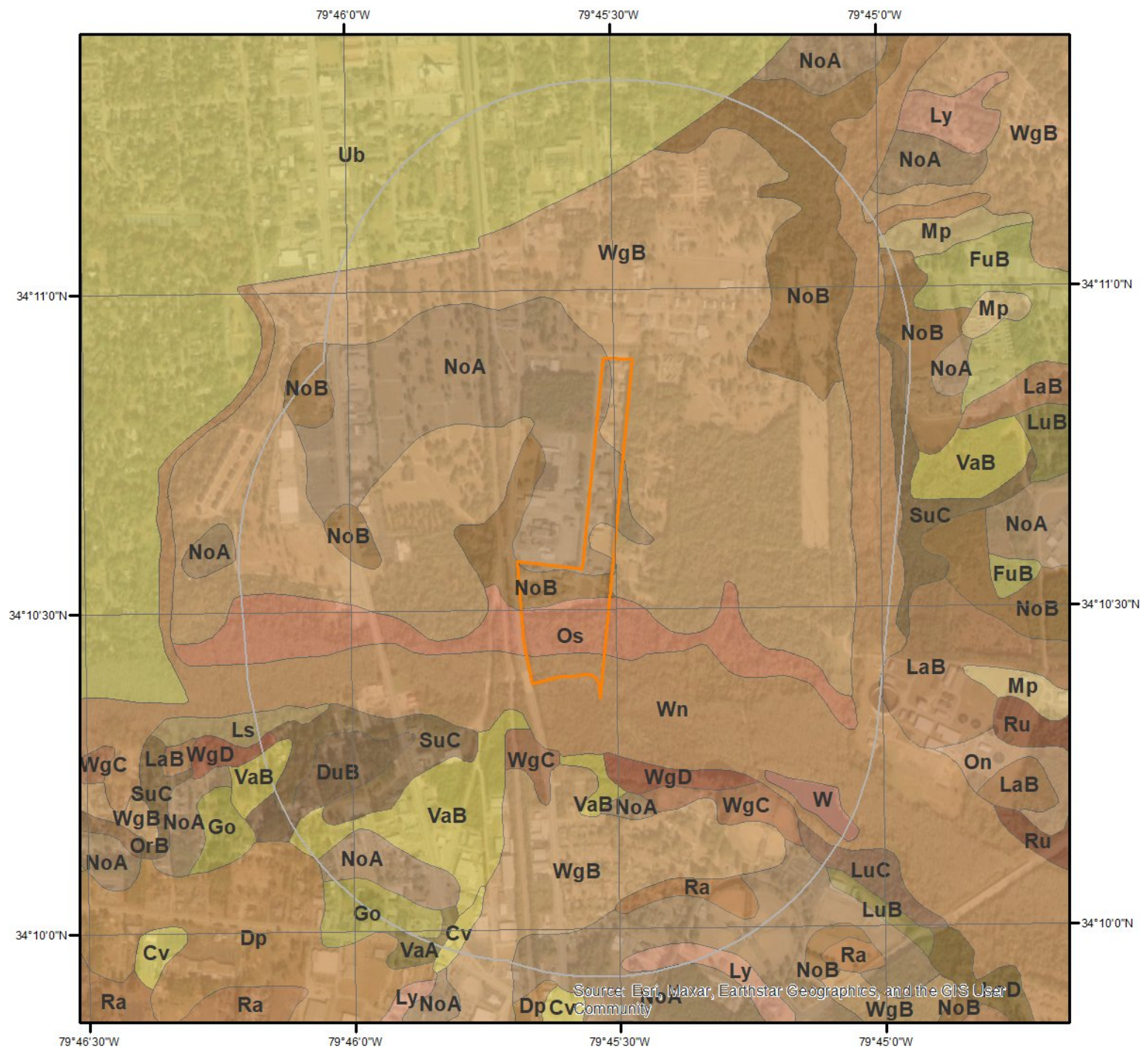
Geologic Unit Qavs

Unit Name:	Alluvial Valley Swamp
Unit Age:	Quaternary
Primary Rock Type:	Sand
Secondary Rock Type:	Gravel
Unit Description:	Unconformable on all underlying units, fluvial sand and gravel at base, grading upwards into fine sands and silts, local peat. May be overrun with recent sediments from forest cutting and agriculture.

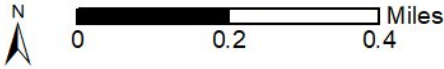
Geologic Unit Tbb

Unit Name:	Bear Bluff Formation
Unit Age:	Pliocene
Primary Rock Type:	Sand
Secondary Rock Type:	Limestone
Unit Description:	One of the older coastal terrace sequences in the Carolinas. Equivalent to Windsor Fm.

Soil Information



SSURGO Soils



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit Cv (0.02%)

Map Unit Name:	Coxville fine sandy loam
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Coxville(95%)

horizon Ap(0cm to 15cm)	Fine sandy loam
horizon Btg1(15cm to 56cm)	Sandy clay loam
horizon Btg2(56cm to 190cm)	Sandy clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Cv - Coxville fine sandy loam

Component: Coxville (95%)

The Coxville component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Map Unit Dp (1.24%)

Map Unit Name:	Duplin fine sandy loam
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Duplin(95%)

horizon Ap(0cm to 28cm)	Fine sandy loam
horizon Bt1(28cm to 107cm)	Clay loam
horizon Btg2(107cm to 183cm)	Clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Dp - Duplin fine sandy loam

Component: Duplin (95%)

The Duplin component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A

Soil Information

seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Map Unit DuB (0.11%)

Map Unit Name:	Duplin and Exum soils, 2 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Duplin(50%)	
horizon Ap(0cm to 28cm)	Fine sandy loam
horizon Bt1(28cm to 107cm)	Clay loam
horizon Btg2(107cm to 183cm)	Clay
Goldsboro(30%)	
horizon Ap(0cm to 18cm)	Loamy sand
horizon E(18cm to 96cm)	Loamy sand
horizon Bt(96cm to 183cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: DuB - Duplin and Exum soils, 2 to 6 percent slopes

Component: Duplin (50%)

The Duplin component makes up 50 percent of the map unit. Slopes are 2 to 6 percent. This component is on marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Goldsboro (30%)

The Goldsboro component makes up 30 percent of the map unit. Slopes are 2 to 5 percent. This component is on marine terraces, coastal plains. The parent material consists of marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Map Unit Go (0.1%)

Map Unit Name:	Goldsboro loamy sand
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Goldsboro(90%)	
horizon Ap(0cm to 18cm)	Loamy sand
horizon E(18cm to 96cm)	Loamy sand
horizon Bt(96cm to 183cm)	Sandy clay loam

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Go - Goldsboro loamy sand

Component: Goldsboro (90%)

The Goldsboro component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Pantego (2%)

Generated brief soil descriptions are created for major soil components. The Pantego soil is a minor component.

Component: Coxville (2%)

Generated brief soil descriptions are created for major soil components. The Coxville soil is a minor component.

Component: Rains (2%)

Generated brief soil descriptions are created for major soil components. The Rains soil is a minor component.

Map Unit LaB (0.33%)

Map Unit Name:	Lakeland sand, 0 to 6 percent slopes, Southern Coastal Plain
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Lakeland(85%)

horizon Ap(0cm to 13cm)	Sand
horizon C1(13cm to 76cm)	Sand
horizon C2(76cm to 203cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: LaB - Lakeland sand, 0 to 6 percent slopes, Southern Coastal Plain

Component: Lakeland (85%)

The Lakeland component makes up 85 percent of the map unit. Slopes are 0 to 6 percent. This component is on fluvio-marine terraces, coastal plains. The parent material consists of eolian sands. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria.

Component: Lucknow (9%)

Generated brief soil descriptions are created for major soil components. The Lucknow soil is a minor component.

Component: Troup (6%)

Generated brief soil descriptions are created for major soil components. The Troup soil is a minor component.

Map Unit Ls (0.06%)

Map Unit Name:	Leaf fine sandy loam
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Soil Information

Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Cantey(95%)	
horizon A(0cm to 13cm)	Fine sandy loam
horizon Btg(13cm to 119cm)	Clay
horizon BCg(119cm to 178cm)	Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ls - Leaf fine sandy loam

Component: Cantey (95%)

The Cantey component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Map Unit LuC (0.07%)

Map Unit Name:	Lucy sand, 6 to 10 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Lucy(95%)	
horizon A(0cm to 20cm)	Sand
horizon E(20cm to 71cm)	Sand
horizon Bt1(71cm to 132cm)	Sandy loam
horizon Bt2(132cm to 201cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: LuC - Lucy sand, 6 to 10 percent slopes

Component: Lucy (95%)

The Lucy component makes up 95 percent of the map unit. Slopes are 6 to 10 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria.

Map Unit Ly (0.07%)

Map Unit Name:	Lynchburg sandy loam, 0 to 2 percent slopes
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Soil Information

Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Lynchburg(88%)

horizon Ap(0cm to 18cm)	Sandy loam
horizon Bt(18cm to 36cm)	Sandy clay loam
horizon Btg(36cm to 203cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ly - Lynchburg sandy loam, 0 to 2 percent slopes

Component: Lynchburg (88%)

The Lynchburg component makes up 88 percent of the map unit. Slopes are 0 to 2 percent. This component is on marine terraces on coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Goldsboro (6%)

Generated brief soil descriptions are created for major soil components. The Goldsboro soil is a minor component.

Component: Coxville (6%)

Generated brief soil descriptions are created for major soil components. The Coxville, drained soil is a minor component.

Map Unit Mp (0.06%)

Map Unit Name:	Mine pits and dumps
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Udorthents(95%)

horizon C(0cm to 152cm)	Sandy loam
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Component Description:

Minor map unit components are excluded from this report.

Map Unit: Mp - Mine pits and dumps

Component: Udorthents (95%)

The Udorthents component makes up 95 percent of the map unit. Slopes are 6 to 10 percent. This component is on fills, coastal plains. The parent material consists of marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6e.

Soil Information

Map Unit NoA (2.61%)

Map Unit Name:	Norfolk loamy sand, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	122cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Norfolk(90%)

horizon Ap(0cm to 20cm)	Loamy sand
horizon E(20cm to 33cm)	Loamy sand
horizon Bt1(33cm to 173cm)	Sandy clay loam
horizon Bt2(173cm to 203cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: NoA - Norfolk loamy sand, 0 to 2 percent slopes

Component: Norfolk (90%)

The Norfolk component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 48 inches during January, February, March. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Rains (2%)

Generated brief soil descriptions are created for major soil components. The Rains soil is a minor component.

Component: Pantego (2%)

Generated brief soil descriptions are created for major soil components. The Pantego soil is a minor component.

Component: Coxville (2%)

Generated brief soil descriptions are created for major soil components. The Coxville soil is a minor component.

Map Unit NoB (1.11%)

Map Unit Name:	Norfolk loamy sand, 2 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	122cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Norfolk(90%)

horizon Ap(0cm to 20cm)	Loamy sand
horizon E(20cm to 33cm)	Loamy sand
horizon Bt1(33cm to 173cm)	Sandy clay loam
horizon Bt2(173cm to 203cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: NoB - Norfolk loamy sand, 2 to 6 percent slopes

Soil Information

Component: Norfolk (90%)

The Norfolk component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 48 inches during January, February, March. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Coxville (2%)

Generated brief soil descriptions are created for major soil components. The Coxville soil is a minor component.

Component: Rains (2%)

Generated brief soil descriptions are created for major soil components. The Rains soil is a minor component.

Component: Pantego (2%)

Generated brief soil descriptions are created for major soil components. The Pantego soil is a minor component.

Map Unit Os (0.47%)

Map Unit Name:	Osier loamy sand
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Osier(95%)

horizon A(0cm to 10cm)	Loamy sand
horizon Cg(10cm to 183cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Os - Osier loamy sand

Component: Osier (95%)

The Osier component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains, drainageways, coastal plains. The parent material consists of sandy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

Map Unit Ra (0.05%)

Map Unit Name:	Rains sandy loam
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Rains(95%)

horizon A(0cm to 18cm)	Sandy loam
horizon E(18cm to 30cm)	Sandy loam
horizon Btg(30cm to 201cm)	Sandy clay loam
horizon Cg(201cm to 216cm)	Sand

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ra - Rains sandy loam

Component: Rains (95%)

The Rains component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on flats, marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Component: Coxville (2%)

Generated brief soil descriptions are created for major soil components. The Coxville soil is a minor component.

Map Unit SuC (0.31%)

Map Unit Name:	Sunsweet loamy fine sand, 6 to 10 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Nankin(95%)

horizon Ap(0cm to 18cm)	Loamy fine sand
horizon E(18cm to 28cm)	Loamy fine sand
horizon Bt(28cm to 122cm)	Clay
horizon BC(122cm to 140cm)	Sandy clay
horizon C(140cm to 190cm)	Loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: SuC - Sunsweet loamy fine sand, 6 to 10 percent slopes

Component: Nankin (95%)

The Nankin component makes up 95 percent of the map unit. Slopes are 6 to 10 percent. This component is on marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map Unit Ub (30.22%)

Map Unit Name:	Urban land-Coxville-Norfolk association
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	null
Hydrologic Group - Dominant:	null

Major components are printed below

Norfolk(15%)

Soil Information

horizon Ap(0cm to 20cm)	Loamy sand
horizon E(20cm to 33cm)	Loamy sand
horizon Bt1(33cm to 173cm)	Sandy clay loam
horizon Bt2(173cm to 203cm)	Sandy clay loam
Coxville(15%)	
horizon Ap(0cm to 15cm)	Fine sandy loam
horizon Btg1(15cm to 56cm)	Sandy clay loam
horizon Btg2(56cm to 190cm)	Sandy clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ub - Urban land-Coxville-Norfolk association

Component: Urban land (60%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Coxville (15%)

The Coxville component makes up 15 percent of the map unit. Slopes are 0 to 2 percent. This component is on marine terraces, coastal plains. The parent material consists of marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Component: Norfolk (15%)

The Norfolk component makes up 15 percent of the map unit. Slopes are 0 to 2 percent. This component is on marine terraces, coastal plains. The parent material consists of marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 48 inches during January, February, March. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Map Unit VaA (0.03%)

Map Unit Name:	Varina loamy fine sand, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Varina(90%)

horizon Ap(0cm to 20cm)	Loamy sand
horizon E(20cm to 38cm)	Loamy sand
horizon Bt(38cm to 183cm)	Sandy clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: VaA - Varina loamy fine sand, 0 to 2 percent slopes

Component: Varina (90%)

The Varina component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during November. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land

Soil Information

capability classification is 2s. This soil does not meet hydric criteria.

Component: Coxville (2%)

Generated brief soil descriptions are created for major soil components. The Coxville soil is a minor component.

Component: Pantego (2%)

Generated brief soil descriptions are created for major soil components. The Pantego soil is a minor component.

Map Unit VaB (0.34%)

Map Unit Name:	Varina loamy fine sand, 2 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.
Major components are printed below	
Varina(95%)	
horizon Ap(0cm to 20cm)	Loamy sand
horizon E(20cm to 38cm)	Loamy sand
horizon Bt(38cm to 183cm)	Sandy clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: VaB - Varina loamy fine sand, 2 to 6 percent slopes

Component: Varina (95%)

The Varina component makes up 95 percent of the map unit. Slopes are 2 to 6 percent. This component is on marine terraces, coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during November. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Map Unit W (0.04%)

Map Unit Name:	Water
No more attributes available for this map unit	

Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - Water

Component: Water (95%)

Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Map Unit WgB (9.08%)

Map Unit Name:	Wagram sand, 0 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly

Soil Information

wet. Water transmission through the soil is unimpeded.

Major components are printed below

Wagram(90%)

horizon A(0cm to 76cm)

Sand

horizon Bt(76cm to 183cm)

Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: WgB - Wagram sand, 0 to 6 percent slopes

Component: Wagram (90%)

The Wagram component makes up 90 percent of the map unit. Slopes are 0 to 6 percent. This component is on marine terraces on middle coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Norfolk (7%)

Generated brief soil descriptions are created for major soil components. The Norfolk soil is a minor component.

Component: Blanton (3%)

Generated brief soil descriptions are created for major soil components. The Blanton soil is a minor component.

Map Unit WgC (0.11%)

Map Unit Name:

Wagram sand, 6 to 10 percent slopes

Bedrock Depth - Min:

null

Watertable Depth - Annual Min:

null

Drainage Class - Dominant:

Well drained

Hydrologic Group - Dominant:

B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Wagram(95%)

horizon Ap(0cm to 18cm)

Sand

horizon E(18cm to 66cm)

Sand

horizon Bt(66cm to 188cm)

Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: WgC - Wagram sand, 6 to 10 percent slopes

Component: Wagram (95%)

The Wagram component makes up 95 percent of the map unit. Slopes are 6 to 10 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria.

Map Unit WgD (0.09%)

Map Unit Name:

Wagram sand, 10 to 15 percent slopes

Bedrock Depth - Min:

null

Soil Information

Watertable Depth - Annual Min: null
Drainage Class - Dominant: Well drained
Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Wagram(100%)

horizon Ap(0cm to 18cm)	Sand
horizon E(18cm to 66cm)	Sand
horizon Bt(66cm to 188cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: WgD - Wagram sand, 10 to 15 percent slopes

Component: Wagram (100%)

The Wagram component makes up 100 percent of the map unit. Slopes are 10 to 15 percent. This component is on marine terraces, coastal plains. The parent material consists of loamy marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria.

Map Unit Wn (53.48%)

Map Unit Name: Wehadkee and Johnston soils, frequently flooded
Bedrock Depth - Min: null
Watertable Depth - Annual Min: 0cm
Drainage Class - Dominant: Poorly drained
Hydrologic Group - Dominant: A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Wehadkee(37%)

horizon A(0cm to 18cm)	Fine sandy loam
horizon Cg1(18cm to 76cm)	Fine sandy loam
horizon Cg2(76cm to 122cm)	Sandy clay loam
horizon 2Cg(122cm to 165cm)	Sand

Johnston(24%)

horizon A(0cm to 51cm)	Loam
horizon Cg(51cm to 203cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Wn - Wehadkee and Johnston soils, frequently flooded

Component: Wehadkee (37%)

The Wehadkee component makes up 37 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains, coastal plains. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

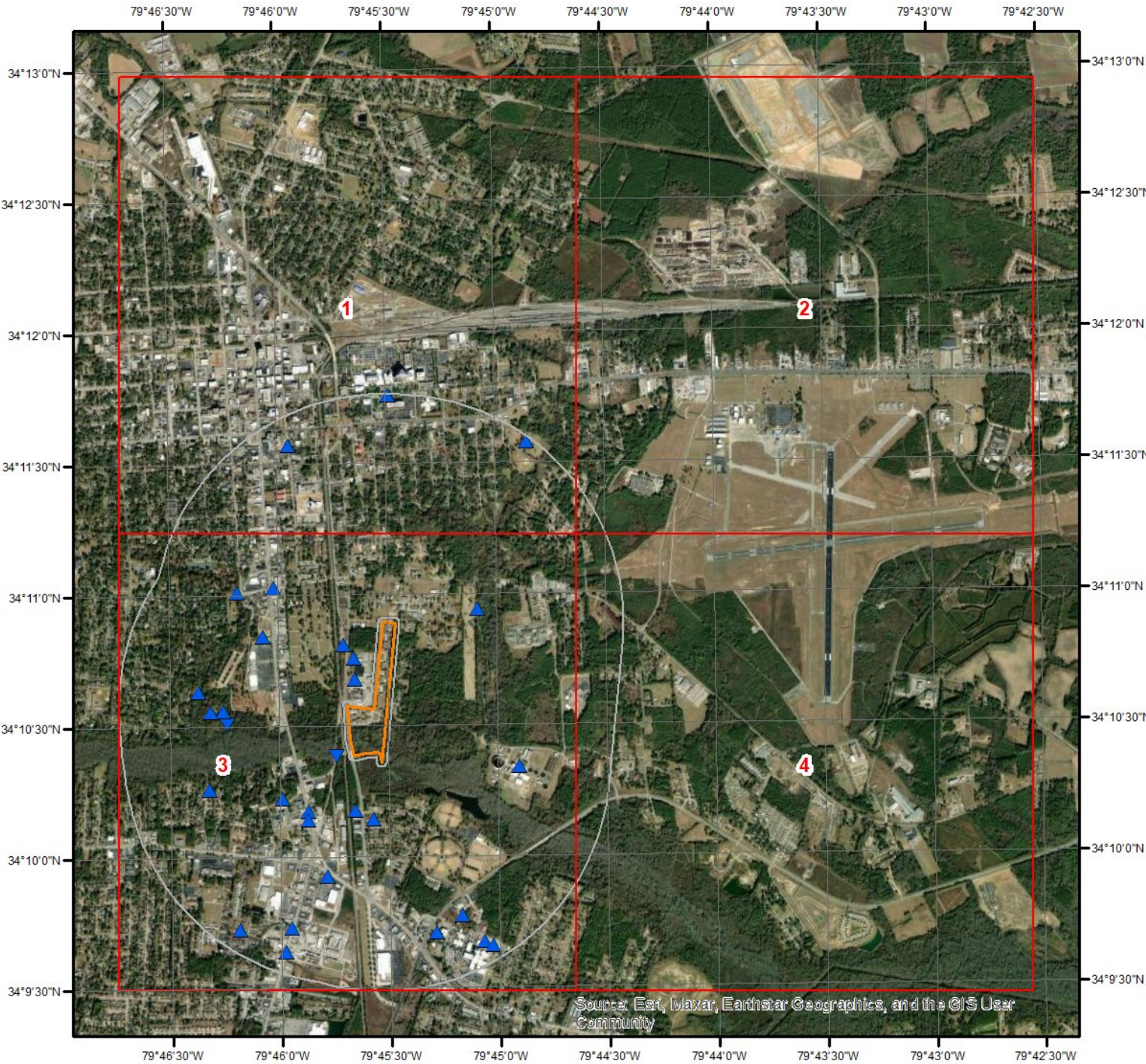
Component: Johnston (24%)

The Johnston component makes up 24 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains, coastal plains. The parent material consists of loamy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The

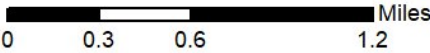
Soil Information

natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria.

Wells and Additional Sources



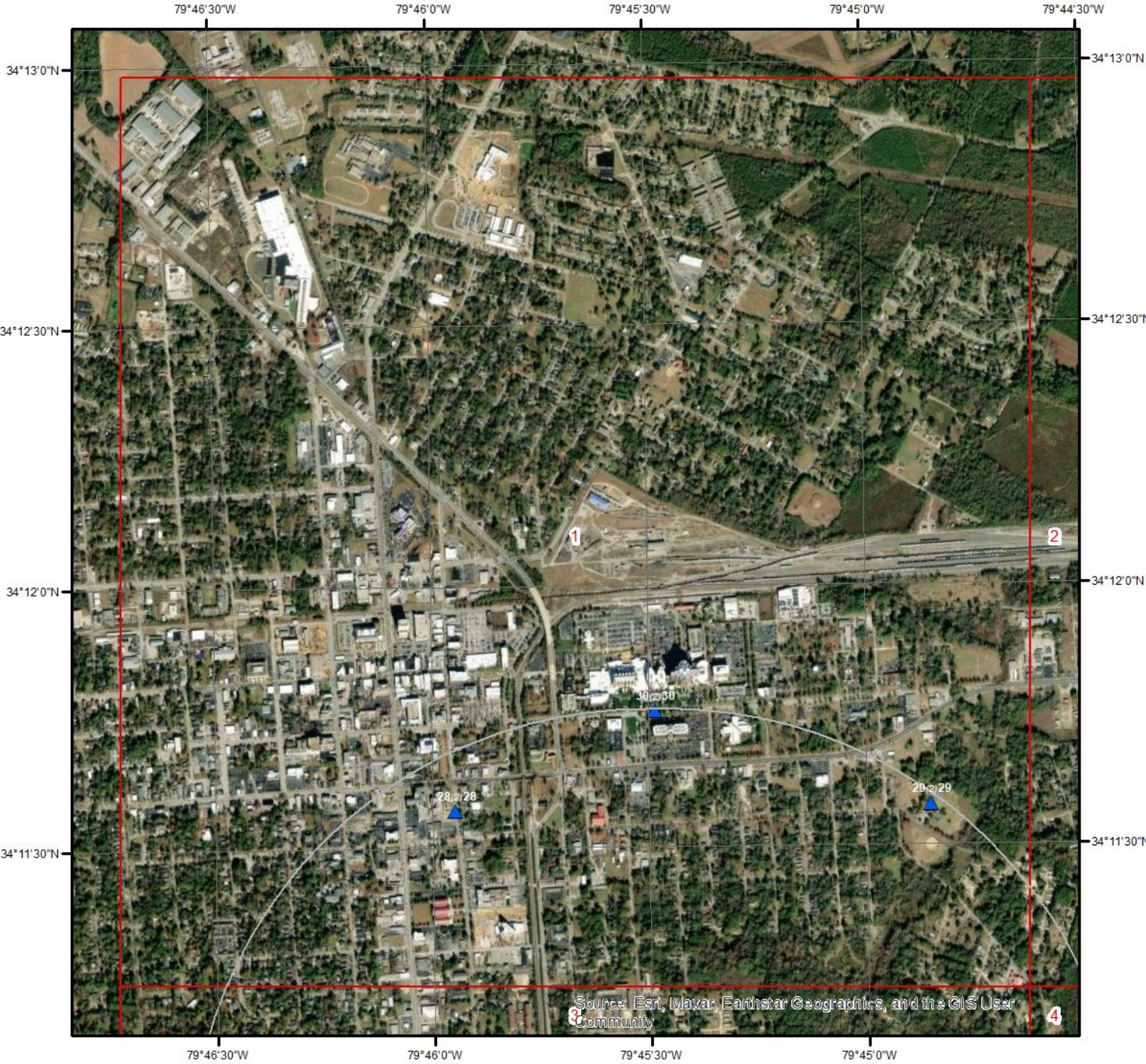
Wells & Additional Sources



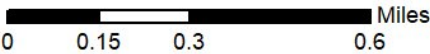
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 1



- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



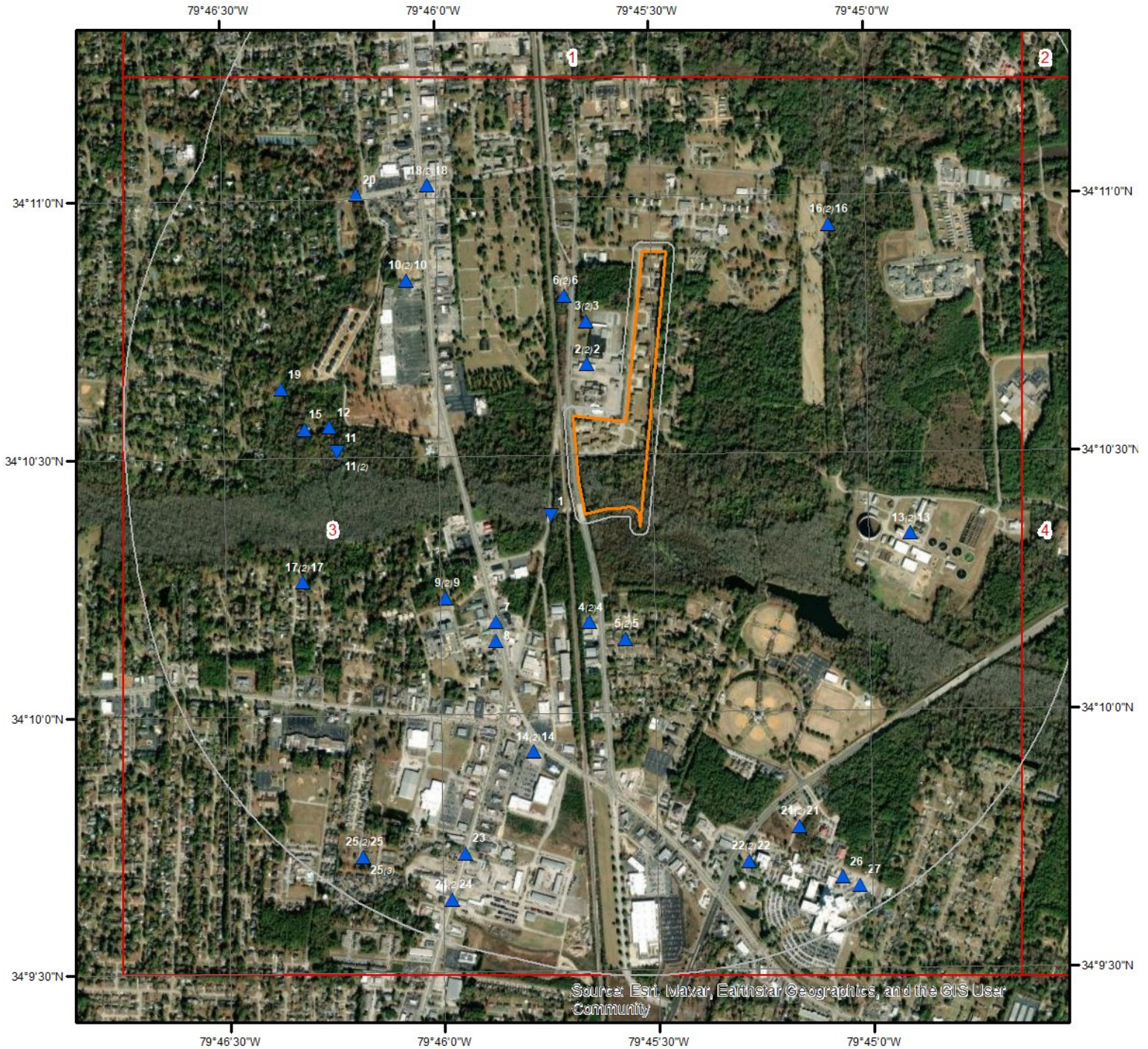
Wells & Additional Sources - Page 2



- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 3



0 0.15 0.3 0.6 Miles

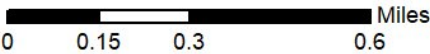
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 4



- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
24	SC2170243	4789.02	SSW

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
7	SC2160011	1637.30	SW
8	SC2160052	1810.25	SW
23	SC2160012	4224.83	SSW
24	SC2170243	4789.02	SSW
28	SC2170118	4637.29	NNW
28	SC2170107	4637.29	NNW

USGS National Water Information System

Map Key	Site No	Distance (ft)	Direction
1	USGS-02131135	396.77	SW
2	USGS-341040079454001	521.42	NNW
3	USGS-341045079454001	576.14	NNW
4	USGS-341010079454000	1266.19	S
5	USGS-341008079453500	1330.27	S
6	USGS-341048079454300	858.90	NNW
9	USGS-341013079460000	1899.61	SW
10	USGS-341050079460509	2516.73	NW
11	USGS-341030079461509	2791.99	W
12	USGS-341033079461600	2857.25	W
13	USGS-341020079445509	3173.35	ESE
14	USGS-340955079454800	2850.62	SSW
16	USGS-341056079450601	1935.62	NE
17	USGS-341015079462000	3403.75	WSW
18	USGS-341101079460201	2640.65	NW
19	USGS-94504100001	3441.57	WNW
20	USGS-02131130	3428.85	NW
21	USGS-340946079451100	3988.52	SSE
22	USGS-340942079451800	4137.92	SSE
25	USGS-340943079461209	4791.33	SSW
25	USGS-340943079461200	4791.33	SSW
26	USGS-340940079450501	4761.56	SSE
29	USGS-341137079445100	5170.43	NNE
30	USGS-341145079453001	5251.38	N

State Sources

Coastal Plain Well Records

Map Key	Well ID	Distance (ft)	Direction
2	FLO-335	521.42	NNW
3	FLO-337	576.14	NNW
4	FLO-34	1266.19	S

Wells and Additional Sources Summary

5	FLO-35	1330.27	S
6	FLO-139	858.90	NNW
9	FLO-37	1899.61	SW
10	FLO-241	2516.73	NW
11	FLO-302	2791.99	W
12	FLO-140	2857.25	W
13	FLO-183	3173.35	ESE
14	FLO-36	2850.62	SSW
16	FLO-417	1935.62	NE
17	FLO-38	3403.75	WSW
18	FLO-365	2640.65	NW
21	FLO-96	3988.52	SSE
22	FLO-150	4137.92	SSE
25	FLO-187	4791.33	SSW
27	FLO-424	4948.23	SSE
29	FLO-125	5170.43	NNE
30	FLO-336	5251.38	N

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Public Water Supply Wells

Map Key	Well No	Distance (ft)	Direction
15	G21103	3152.57	W

Underground Injection Control Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Water Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Wells and Additional Sources Detail Report

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SSW	0.91	4,789.02	116.86	PWSV

PWS ID: SC2170243
PWS Type Code: TNCWS
PWS Type Description: Transient non-community system
Primary Source Code: GW
Primary Source Desc: Ground water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 06/01/1998
Zip Code: 29501
Phone No: 843-667-8651
Phone Ext No:
Admin Name:
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 89
Epa Region Desc: Region 4
Epa Region: 04
First Reported Date: 11/10/1984
Gw or Sw: Groundwater
Gw Sw Code: GW
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Source Water Protection:
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Lt2 Schedule Cat Code:
Last Reported Date: 11/19/2004
Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: <=100
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: South Carolina
Season Begin Date: 01-01

Wells and Additional Sources Detail Report

Season End Date: 12-31
Service Connections Count: 4
Submission Status Code: Y
Submissionyearquarter: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring Begin Date:
Reduced Monitoring End Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin Date:
City Served:
County Served: Florence

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SW	0.31	1,637.30	104.53	SDWIS

PWS ID: SC2160011
PWS Type Code: CWS
PSW Type: Community water system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I
Activity: Inactive
PWS Deactivation Dt: 04/01/1994
Phone No: 803-662-8277
Phone Ext No:
Admin Name: PINE VIEW TP
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 40
Epa Region Desc: Region 4
Epa Region: 04
First Reported Date: 02/10/1979
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Last Reported Date: 11/15/2006

Wells and Additional Sources Detail Report

Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: <=100
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: South Carolina
Primacy Agency Code: SC
Season Begin Date:
Season End Date:
Service Connections Count: 9
Submission Yr Qtr: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring Begin:
Reduced Monitoring End Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin Date:
City Served:
County Served: Saluda

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SW	0.34	1,810.25	109.33	SDWIS

PWS ID: SC2160052
PWS Type Code: TNCWS
PSW Type: Transient non-community system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I
Activity: Inactive
PWS Deactivation Dt: 04/01/1994
Phone No: 803-662-0927
Phone Ext No:
Admin Name: WEST LANE TR PK
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 11

Wells and Additional Sources Detail Report

Epa Region Desc: Region 4
Epa Region: 04
First Reported Date: 02/10/1979
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Last Reported Date: 07/22/1995
Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: <=100
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: South Carolina
Primacy Agency Code: SC
Season Begin Date: 01-01
Season End Date: 12-31
Service Connections Count: 5
Submission Yr Qtr: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring Begin:
Reduced Monitoring End Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin Date:
City Served:
County Served: Saluda

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SSW	0.80	4,224.83	117.66	SDWIS

PWS ID: SC2160012
PWS Type Code: CWS
PSW Type: Community water system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I

Wells and Additional Sources Detail Report

Activity: Inactive
PWS Deactivation Dt: 01/01/1994
Phone No: 803-662-1105
Phone Ext No:
Admin Name: TURNER'S TP
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 32
Epa Region Desc: Region 4
Epa Region: 04
First Reported Date: 02/10/1979
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Last Reported Date: 11/15/2006
Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: <=100
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: South Carolina
Primacy Agency Code: SC
Season Begin Date:
Season End Date:
Service Connections Count: 9
Submission Yr Qtr: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring
Begin:
Reduced Monitoring End
Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin
Date:
City Served:
County Served: Saluda

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SSW	0.91	4,789.02	116.86	SDWIS

PWS ID: SC2170243
 PWS Type Code: TNCWS
 PSW Type: Transient non-community system
 Primary Source Code: GW
 Primary Source: Ground water
 Pws Activity Code: I
 Activity: Inactive
 PWS Deactivation Dt: 06/01/1998
 Phone No: 843-667-8651
 Phone Ext No:
 Admin Name:
 Alt Phone No:
 Email Addr:
 Fax No:
 Cds ID:
 Population Served Count: 89
 Epa Region Desc: Region 4
 Epa Region: 04
 First Reported Date: 11/10/1984
 Gw or Sw: Groundwater
 Is Grant Eligible Ind: No
 Outstanding Performer:
 Is School or Daycare Ind: No
 Is Wholesaler Ind: No
 Lt2 Schedule Cat:
 Last Reported Date: 11/19/2004
 Org Name:
 Outstanding Perform
 Begin Date:
 Owner Type: Private
 Pop Cat 11: <=100
 Pop Cat 2: <10,000
 Pop Cat 3: <=3300
 Pop Cat 4: <10K
 Pop Cat 5: <=500
 Primacy Agency: South Carolina
 Primacy Agency Code: SC
 Season Begin Date: 01-01
 Season End Date: 12-31
 Service Connections Count: 4
 Submission Yr Qtr: 2023Q3
 Primacy Type: State
 Dbpr Schedule Category:

Wells and Additional Sources Detail Report

Submission Status: Reported and accepted
Reduced Monitoring
Begin:
Reduced Monitoring End
Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin
Date:
City Served:
County Served: Florence

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	NNW	0.88	4,637.29	139.02	SDWIS

PWS ID: SC2170118
PWS Type Code: NTNCWS
PSW Type: Non-Transient non-community system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I
Activity: Inactive
PWS Deactivation Dt: 03/01/1987
Phone No: 843-669-4141
Phone Ext No:
Admin Name:
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 486
Epa Region Desc: Region 4
Epa Region: 04
First Reported Date: 02/10/1979
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Last Reported Date: 11/19/2004
Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: 101-500
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K

Wells and Additional Sources Detail Report

Pop Cat 5: <=500
Primacy Agency: South Carolina
Primacy Agency Code: SC
Season Begin Date: 01-01
Season End Date: 12-31
Service Connections Count: 1
Submission Yr Qtr: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring Begin:
Reduced Monitoring End Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin Date:
City Served:
County Served: Florence

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	NNW	0.88	4,637.29	139.02	SDWIS

PWS ID: SC2170107
PWS Type Code: NTNCWS
PSW Type: Non-Transient non-community system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I
Activity: Inactive
PWS Deactivation Dt: 03/01/1987
Phone No: 843-669-4141
Phone Ext No:
Admin Name:
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 736
Epa Region Desc: Region 4
Epa Region: 04
First Reported Date: 02/10/1979
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Wholesaler Ind: No

Wells and Additional Sources Detail Report

Lt2 Schedule Cat:
Last Reported Date: 11/19/2004
Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: 501-1,000
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: 501-3,300
Primacy Agency: South Carolina
Primacy Agency Code: SC
Season Begin Date: 01-01
Season End Date: 12-31
Service Connections Count: 1
Submission Yr Qtr: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring
Begin:
Reduced Monitoring End
Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin
Date:
City Served:
County Served: Florence

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	SW	0.08	396.77	79.67	FED USGS

Site No: USGS-02131135
Site Type: Stream
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS South Carolina Water Science Center
Station Name: JEFFERIES CREEK AT JAMES JONES AVE NR FLORENCE, SC
Latitude: 34.17302778000000
Longitude: -79.7623611000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

2	NNW	0.10	521.42	114.49	FED USGS
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Site No: USGS-341040079454001
Site Type: Well
Formation Type:
Date Drilled: 1989
Well Depth: 120
Well Depth Unit: ft
Well Hole Depth: 120
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 335
Latitude: 34.17793360000000
Longitude: -79.7608961000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNW	0.11	576.14	113.68	FED USGS

Site No: USGS-341045079454001
Site Type: Well
Formation Type:
Date Drilled: 1990
Well Depth: 230
Well Depth Unit: ft
Well Hole Depth: 230
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 337
Latitude: 34.17932247000000
Longitude: -79.7608961000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	S	0.24	1,266.19	112.41	FED USGS

Site No: USGS-341010079454000
Site Type: Well
Formation Type:
Date Drilled: 1938
Well Depth:
Well Depth Unit:
Well Hole Depth: 70
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 34
Latitude: 34.16960050000000

Wells and Additional Sources Detail Report

Longitude: -79.7608963000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	S	0.25	1,330.27	115.58	FED USGS

Site No: USGS-341008079453500
Site Type: Well
Formation Type: Black Creek Formation
Date Drilled: 1945
Well Depth: 60.75
Well Depth Unit: ft
Well Hole Depth: 75
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 35
Latitude: 34.16904499000000
Longitude: -79.7595074000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NNW	0.16	858.90	119.59	FED USGS

Site No: USGS-341048079454300
Site Type: Well
Formation Type:
Date Drilled: 19610401
Well Depth: 720
Well Depth Unit: ft
Well Hole Depth: 726
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 139
Latitude: 34.18015577000000
Longitude: -79.7617294000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SW	0.36	1,899.61	110.93	FED USGS

Site No: USGS-341013079460000
Site Type: Well
Formation Type:
Date Drilled: 1941
Well Depth:
Well Depth Unit:
Well Hole Depth: 70
Well Hole Depth Unit: ft

Wells and Additional Sources Detail Report

Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 37
Latitude: 34.17043380000000
Longitude: -79.7664519000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.48	2,516.73	123.61	FED USGS

Site No: USGS-341050079460509
Site Type: Well
Formation Type:
Date Drilled:
Well Depth: 650
Well Depth Unit: ft
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 241
Latitude: 34.18071128000000
Longitude: -79.7678406000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.53	2,791.99	82.13	FED USGS

Site No: USGS-341030079461509
Site Type: Well
Formation Type:
Date Drilled:
Well Depth: 195
Well Depth Unit: ft
Well Hole Depth: 280
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 302
Latitude: 34.17515587000000
Longitude: -79.7706186000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	W	0.54	2,857.25	94.75	FED USGS

Site No: USGS-341033079461600
Site Type: Well
Formation Type: Middendorf Formation
Date Drilled: 19610224
Well Depth: 680

Wells and Additional Sources Detail Report

Well Depth Unit: ft
Well Hole Depth: 712
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 140
Latitude: 34.17598918000000
Longitude: -79.7708963000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	ESE	0.60	3,173.35	97.63	FED USGS

Site No: USGS-341020079445509
Site Type: Well
Formation Type:
Date Drilled:
Well Depth: 170
Well Depth Unit: ft
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 183
Latitude: 34.17237830000000
Longitude: -79.7483960800000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SSW	0.54	2,850.62	115.84	FED USGS

Site No: USGS-340955079454800
Site Type: Well
Formation Type:
Date Drilled: 19471001
Well Depth:
Well Depth Unit:
Well Hole Depth: 60
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 36
Latitude: 34.16543397000000
Longitude: -79.7631187000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NE	0.37	1,935.62	97.60	FED USGS

Site No: USGS-341056079450601
Site Type: Well

Wells and Additional Sources Detail Report

Formation Type:
Date Drilled: 2003
Well Depth: 259
Well Depth Unit: ft
Well Hole Depth: 305
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 417
Latitude: 34.18237798000000
Longitude: -79.7514515000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	WSW	0.64	3,403.75	106.52	FED USGS

Site No: USGS-341015079462000
Site Type: Well
Formation Type:
Date Drilled: 1947
Well Depth:
Well Depth Unit:
Well Hole Depth: 63
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 38
Latitude: 34.17098930000000
Longitude: -79.7720076000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NW	0.50	2,640.65	128.39	FED USGS

Site No: USGS-341101079460201
Site Type: Well
Formation Type:
Date Drilled: 1992
Well Depth: 120
Well Depth Unit: ft
Well Hole Depth: 120
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 365
Latitude: 34.18376675000000
Longitude: -79.7670072000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	WNW	0.65	3,441.57	88.56	FED USGS

Wells and Additional Sources Detail Report

Site No: USGS-94504100001
Site Type: Facility: Water-distribution system
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLORENCE CITY OF
Latitude: 34.17722220000000
Longitude: -79.7727778000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NW	0.65	3,428.85	107.20	FED USGS

Site No: USGS-02131130
Site Type: Stream
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS South Carolina Water Science Center
Station Name: GULLY BRANCH AT CHEROKEE ROAD AT FLORENCE, SC
Latitude: 34.18348897000000
Longitude: -79.7697850000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.76	3,988.52	110.54	FED USGS

Site No: USGS-340946079451100
Site Type: Well
Formation Type: Black Creek Formation
Date Drilled: 19891108
Well Depth: 196.00
Well Depth Unit: ft
Well Hole Depth: 386.00
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 96
Latitude: 34.16293410000000
Longitude: -79.7528408000000

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SSE	0.78	4,137.92	112.57	FED USGS

Site No: USGS-340942079451800
 Site Type: Well
 Formation Type:
 Date Drilled: 19650901
 Well Depth: 436
 Well Depth Unit: ft
 Well Hole Depth: 436
 Well Hole Depth Unit: ft
 Reporting Agency: USGS South Carolina Water Science Center
 Station Name: FLO- 150
 Latitude: 34.16182300000000
 Longitude: -79.7547853000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	SSW	0.91	4,791.33	119.65	FED USGS

Site No: USGS-340943079461209
 Site Type: Well
 Formation Type:
 Date Drilled:
 Well Depth: 460
 Well Depth Unit: ft
 Well Hole Depth: 712
 Well Hole Depth Unit: ft
 Reporting Agency: USGS South Carolina Water Science Center
 Station Name: FLO- 187
 Latitude: 34.16210069000000
 Longitude: -79.7697855000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	SSW	0.91	4,791.33	119.65	FED USGS

Site No: USGS-340943079461200
 Site Type: Well
 Formation Type:
 Date Drilled: 19790312
 Well Depth: 705
 Well Depth Unit: ft
 Well Hole Depth: 712
 Well Hole Depth Unit: ft
 Reporting Agency: USGS South Carolina Water Science Center
 Station Name: FLO- 186

Wells and Additional Sources Detail Report

Latitude: 34.16210069000000
Longitude: -79.7697855000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	SSE	0.90	4,761.56	109.64	FED USGS

Site No: USGS-340940079450501
Site Type: Well
Formation Type:
Date Drilled: 2005
Well Depth: 90
Well Depth Unit: ft
Well Hole Depth: 90
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 424
Latitude: 34.16126749000000
Longitude: -79.7511742000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NNE	0.98	5,170.43	123.35	FED USGS

Site No: USGS-341137079445100
Site Type: Well
Formation Type:
Date Drilled: 19581216
Well Depth: 500
Well Depth Unit: ft
Well Hole Depth: 740
Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 125
Latitude: 34.19293327000000
Longitude: -79.7475623000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	N	0.99	5,251.38	138.92	FED USGS

Site No: USGS-341145079453001
Site Type: Well
Formation Type:
Date Drilled: 1989
Well Depth: 190
Well Depth Unit: ft
Well Hole Depth: 190

Wells and Additional Sources Detail Report

Well Hole Depth Unit: ft
Reporting Agency: USGS South Carolina Water Science Center
Station Name: FLO- 336
Latitude: 34.19598866000000
Longitude: -79.7581179000000

Coastal Plain Well Records

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NNW	0.10	521.42	114.49	WATER WELLS

Well ID:	FLO-335	Owner Well ID:	
SCGR ID:	16M-u4	WI Yr:	1989
Co No:		Driller:	Welch
Use:		Drill Yr:	1989
WI Ft:	27	Drill Mo:	1
Depth D:	120	Topo:	Florence West
Depth C:	120	Elev:	
WI:		Location:	
WI Q:		Yield:	80
Diam 1:	4	Yield Yr:	1989
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	70	P Test:	No
Screen B:	120	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7749	Latitude:	34.1779303477
Well Use:	IRR	Longitude:	-79.7608949063
Chem:		X:	-79.7608920416868
G Logs:		Y:	34.1779236558882
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	c0b144fa-f634-49ff-b7e5-91271384bc0d		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NNW	0.11	576.14	113.68	WATER WELLS

Well ID:	FLO-337	Owner Well ID:	
SCGR ID:	16M-u5	WI Yr:	1990
Co No:		Driller:	Welch
Use:		Drill Yr:	1990
WI Ft:	60	Drill Mo:	10
Depth D:	230	Topo:	Florence West
Depth C:	230	Elev:	
WI:		Location:	

Wells and Additional Sources Detail Report

WI Q:	Yield:	80
Diam 1: 4	Yield Yr:	1990
Diam 2:	D Logs:	Yes - log in DNR files
OH Cas:	D Logs Text:	Yes
Screen T: 170	P Test:	No
Screen B: 230	P Test Text:	<Null>
SCGS Sampl: no	County:	Florence
Object ID 1: 7751	Latitude:	34.1793203267
Well Use: IRR	Longitude:	-79.7608948861
Chem:	X:	-79.76089202185288
G Logs:	Y:	34.179313634612775
Well Use Desc:		
Chem Desc: no analysis		
G Logs Desc:		
Global ID: 93e7fe6e-2b3d-49fc-9d4e-e2737d44a4c4		
Remarks: D-log illegible. Location approximated.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	S	0.24	1,266.19	112.41	WATER WELLS

Well ID: FLO-34	Owner Well ID:
SCGR ID: 16M-u3	WI Yr:
Co No:	Driller:
Use:	Drill Yr: 1938
WI Ft:	Drill Mo:
Depth D:	Topo: Florence West
Depth C: 70	Elev: 115
WI:	Location:
WI Q:	Yield:
Diam 1: 1	Yield Yr:
Diam 2:	D Logs: No
OH Cas:	D Logs Text: <Null>
Screen T:	P Test: No
Screen B:	P Test Text: <Null>
SCGS Sampl: no	County: Florence
Object ID 1: 7491	Latitude: 34.1695904586
Well Use: IND	Longitude: -79.760895012
Chem:	X: -79.7608921477218
G Logs:	Y: 34.16958376897969
Well Use Desc:	
Chem Desc: no analysis	
G Logs Desc:	
Global ID: 09e1e9fd-f710-475c-986f-212049d5e458	
Remarks: H2S odor.	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

5	S	0.25	1,330.27	115.58	WATER WELLS
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Well ID:	FLO-35	Owner Well ID:	
SCGR ID:	16M-u2	WI Yr:	
Co No:		Driller:	
Use:		Drill Yr:	1945
WI Ft:		Drill Mo:	
Depth D:		Topo:	Florence West
Depth C:	75	Elev:	115
WI:		Location:	
WI Q:		Yield:	
Diam 1:	2	Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7492	Latitude:	34.1690404798
Well Use:	DOM	Longitude:	-79.7595049923
Chem:		X:	-79.75950212847887
G Logs:		Y:	34.16903378961137
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	042dfb83-1a5f-41b4-895e-996359239f56		
Remarks:	Flowed 15 gpm in 1947. Temp = 63.5 F.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NNW	0.16	858.90	119.59	WATER WELLS

Well ID:	FLO-139	Owner Well ID:	
SCGR ID:	16M-u1	WI Yr:	1961
Co No:		Driller:	Layne-Atlantic
Use:		Drill Yr:	1961
WI Ft:	79	Drill Mo:	3
Depth D:	726	Topo:	Florence West
Depth C:	720	Elev:	118
WI:		Location:	
WI Q:		Yield:	
Diam 1:	4	Yield Yr:	
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	442	P Test:	No
Screen B:	720	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7580	Latitude:	34.1801503068

Wells and Additional Sources Detail Report

Well Use:	DES	Longitude:	-79.7617248904
Chem:		X:	-79.76172202558107
G Logs:		Y:	34.18014361435747
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	8ea32d51-74f7-49cf-a05c-79a02747a568		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SW	0.36	1,899.61	110.93	WATER WELLS

Well ID:	FLO-37	Owner Well ID:	
SCGR ID:	16M-v2	WI Yr:	
Co No:		Driller:	
Use:		Drill Yr:	1941
WI Ft:		Drill Mo:	
Depth D:		Topo:	Florence West
Depth C:	70	Elev:	100
WI:		Location:	
WI Q:		Yield:	
Diam 1:	3	Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7494	Latitude:	34.1704303966
Well Use:	DOM	Longitude:	-79.7664551086
Chem:		X:	-79.76645224313523
G Logs:		Y:	34.17042370677879
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	d118f0f5-7126-4c4c-a5a8-f761f554e811		
Remarks:	Flowed 30 gpm in 1947.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NW	0.48	2,516.73	123.61	WATER WELLS

Well ID:	FLO-241	Owner Well ID:	
SCGR ID:	16M-v5	WI Yr:	
Co No:		Driller:	Virginia Machinery & Well Co.
Use:		Drill Yr:	1918
WI Ft:		Drill Mo:	10
Depth D:		Topo:	Florence West

Wells and Additional Sources Detail Report

Depth C:	650	Elev:	150
WI:		Location:	
WI Q:		Yield:	15
Diam 1:	10	Yield Yr:	1918
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:	600	P Test:	No
Screen B:	650	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7659	Latitude:	34.1807102425
Well Use:	ABN	Longitude:	-79.7678449998
Chem:		X:	-79.76784213276093
G Logs:		Y:	34.180703550471314
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	96366230-5293-470c-9920-3eb172dbfb9d		
Remarks:	Location estimated.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.53	2,791.99	82.13	WATER WELLS

Well ID:	FLO-302	Owner Well ID:	
SCGR ID:	16M-v4	WI Yr:	1996
Co No:		Driller:	Virginia Well Co.
Use:		Drill Yr:	1996
WI Ft:	2	Drill Mo:	6
Depth D:	280	Topo:	Florence West
Depth C:	195	Elev:	95
WI:		Location:	
WI Q:		Yield:	500
Diam 1:	8	Yield Yr:	1996
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	135	P Test:	Yes - pumping test in DNR files
Screen B:	190	P Test Text:	Yes
SCGS Sampl:	no	County:	Florence
Object ID 1:	7716	Latitude:	34.1751503035
Well Use:	PS	Longitude:	-79.7706151316
Chem:	C	X:	-79.77061226467363
G Logs:	E, G	Y:	34.175143611394034
Well Use Desc:			
Chem Desc:	complete analysis		
G Logs Desc:	electric log, natural gamma-ray log		
Global ID:	239ff8a6-98d6-4661-9590-7784f98a62af		
Remarks:	145 feet S of FLO-140.		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	W	0.54	2,857.25	94.75	WATER WELLS
<div> <div>Well ID: FLO-140</div> <div>SCGR ID: 16M-v1</div> <div>Co No:</div> <div>Use:</div> <div>WI Ft: 48</div> <div>Depth D: 712</div> <div>Depth C: 680</div> <div>WI:</div> <div>WI Q:</div> <div>Diam 1: 24</div> <div>Diam 2: 12</div> <div>OH Cas:</div> <div>Screen T: 344</div> <div>Screen B: 680</div> <div>SCGS Sampl: no</div> <div>Object ID 1: 7581</div> <div>Well Use: PS</div> <div>Chem: C</div> <div>G Logs: E</div> <div>Well Use Desc:</div> <div>Chem Desc: complete analysis</div> <div>G Logs Desc: electric log</div> <div>Global ID: d3c839d0-c698-4d37-9406-de3f409e6f35</div> <div>Remarks:</div> </div> <div> <div>Owner Well ID:</div> <div>WI Yr: 1961</div> <div>Driller: Layne-Atlantic</div> <div>Drill Yr: 1961</div> <div>Drill Mo: 6</div> <div>Topo: Florence West</div> <div>Elev: 95</div> <div>Location:</div> <div>Yield: 1750</div> <div>Yield Yr: 1961</div> <div>D Logs: Yes - log in DNR files</div> <div>D Logs Text: Yes</div> <div>P Test: Yes - pumping test in DNR files</div> <div>P Test Text: Yes</div> <div>County: Florence</div> <div>Latitude: 34.1759802878</div> <div>Longitude: -79.770895125</div> <div>X: -79.77089225751742</div> <div>Y: 34.17597359677959</div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	ESE	0.60	3,173.35	97.63	WATER WELLS
<div> <div>Well ID: FLO-183</div> <div>SCGR ID: 15M-y1</div> <div>Co No:</div> <div>Use:</div> <div>WI Ft:</div> <div>Depth D:</div> <div>Depth C: 170</div> <div>WI:</div> <div>WI Q:</div> <div>Diam 1: 4</div> <div>Diam 2: 3</div> <div>OH Cas:</div> <div>Screen T: 146</div> <div>Screen B: 170</div> </div> <div> <div>Owner Well ID:</div> <div>WI Yr:</div> <div>Driller: Layne-Atlantic</div> <div>Drill Yr: 1960</div> <div>Drill Mo: 2</div> <div>Topo: Florence East</div> <div>Elev: 30</div> <div>Location:</div> <div>Yield:</div> <div>Yield Yr:</div> <div>D Logs: No</div> <div>D Logs Text: <Null></div> <div>P Test: No</div> <div>P Test Text: <Null></div> </div>					

Wells and Additional Sources Detail Report

SCGS Sampl:	no	County:	Florence
Object ID 1:	7611	Latitude:	34.1723705224
Well Use:	PS	Longitude:	-79.7483947198
Chem:	P	X:	-79.7483918597249
G Logs:		Y:	34.17236383043855
Well Use Desc:			
Chem Desc:	partial analysis		
G Logs Desc:			
Global ID:	00df51e4-fa8b-43f6-afaa-b3f5e81b0431		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SSW	0.54	2,850.62	115.84	WATER WELLS

Well ID:	FLO-36	Owner Well ID:	
SCGR ID:	16N-a2	WI Yr:	1947
Co No:		Driller:	
Use:		Drill Yr:	1947
WI Ft:	5	Drill Mo:	5
Depth D:		Topo:	Florence West
Depth C:	60	Elev:	112
WI:		Location:	
WI Q:		Yield:	10
Diam 1:	2	Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7493	Latitude:	34.1654305106
Well Use:	DOM	Longitude:	-79.7631151149
Chem:		X:	-79.76311225081241
G Logs:		Y:	34.16542382180014
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	743bef57-440c-4ba1-86e5-c084a6776469		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NE	0.37	1,935.62	97.60	WATER WELLS

Well ID:	FLO-417	Owner Well ID:	
SCGR ID:	16M-u6	WI Yr:	2003
Co No:		Driller:	Professional Pump & Well
Use:		Drill Yr:	2003

Wells and Additional Sources Detail Report

WI Ft:	21	Drill Mo:	10
Depth D:	305	Topo:	Florence West
Depth C:	259	Elev:	
WI:		Location:	
WI Q:		Yield:	150
Diam 1:	6	Yield Yr:	2003
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	178	P Test:	Yes - pumping test in DNR files
Screen B:	254	P Test Text:	Yes
SCGS Sampl:	no	County:	Florence
Object ID 1:	7831	Latitude:	34.1823703635
Well Use:	IRR	Longitude:	-79.7514546437
Chem:		X:	-79.75145178201845
G Logs:		Y:	34.182363669235144
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	f34067de-8c80-475c-be2c-73d3b931b5be		
Remarks:	3 screens.		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	WSW	0.64	3,403.75	106.52	WATER WELLS

Well ID:	FLO-38	Owner Well ID:	
SCGR ID:	16M-v3	WI Yr:	
Co No:		Driller:	
Use:		Drill Yr:	1947
WI Ft:		Drill Mo:	
Depth D:		Topo:	Florence West
Depth C:	63	Elev:	100
WI:		Location:	
WI Q:		Yield:	
Diam 1:		Yield Yr:	
Diam 2:		D Logs:	No
OH Cas:		D Logs Text:	<Null>
Screen T:		P Test:	No
Screen B:		P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7495	Latitude:	34.1709803391
Well Use:	DOM	Longitude:	-79.7720052067
Chem:		X:	-79.77200233972042
G Logs:		Y:	34.17097364870127
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			

Wells and Additional Sources Detail Report

Global ID: 514694ec-6a06-4f91-974d-5bfa589ae354
Remarks: Flowing well (1947).

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NW	0.50	2,640.65	128.39	WATER WELLS

Well ID:	FLO-365	Owner Well ID:	
SCGR ID:	16M-s7	WI Yr:	1992
Co No:		Driller:	Welch
Use:		Drill Yr:	1992
WI Ft:	28	Drill Mo:	4
Depth D:	120	Topo:	Florence West
Depth C:	120	Elev:	
WI:		Location:	
WI Q:		Yield:	80
Diam 1:	4	Yield Yr:	1992
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	80	P Test:	No
Screen B:	120	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7779	Latitude:	34.1837602047
Well Use:	IRR	Longitude:	-79.7670049379
Chem:		X:	-79.7670020710578
G Logs:		Y:	34.183753512182065
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	d14314ff-5b03-4743-a3e4-1352a131e029		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.76	3,988.52	110.54	WATER WELLS

Well ID:	FLO-96	Owner Well ID:	
SCGR ID:	16N-a5	WI Yr:	1989
Co No:		Driller:	Grosch
Use:		Drill Yr:	1989
WI Ft:	24	Drill Mo:	11
Depth D:	386	Topo:	Florence West
Depth C:	196	Elev:	115
WI:		Location:	
WI Q:		Yield:	160
Diam 1:	6	Yield Yr:	1989
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes

Wells and Additional Sources Detail Report

Screen T:	156	P Test:	Yes - pumping test in DNR files
Screen B:	191	P Test Text:	Yes
SCGS Sampl:	no	County:	Florence
Object ID 1:	7542	Latitude:	34.1629306434
Well Use:	IRR	Longitude:	-79.7528449474
Chem:		X:	-79.75284208604654
G Logs:	E, G	Y:	34.16292395404595
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:	electric log, natural gamma-ray log		
Global ID:	7e0367cc-1896-4b0b-8870-64166a6f7cdf		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SSE	0.78	4,137.92	112.57	WATER WELLS

Well ID:	FLO-150	Owner Well ID:	
SCGR ID:	16N-a1	WI Yr:	1955
Co No:		Driller:	Heater Well Co.
Use:		Drill Yr:	1955
WI Ft:	84	Drill Mo:	9
Depth D:	494	Topo:	Florence West
Depth C:	436	Elev:	115
WI:		Location:	
WI Q:		Yield:	400
Diam 1:	8	Yield Yr:	1955
Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	416	P Test:	No
Screen B:	436	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7589	Latitude:	34.1618206466
Well Use:	PS	Longitude:	-79.7547850025
Chem:		X:	-79.7547821405721
G Logs:		Y:	34.16181395804571
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	01721ab3-d6b3-40dc-b237-bff1df9deda4		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	SSW	0.91	4,791.33	119.65	WATER WELLS

Well ID:	FLO-187	Owner Well ID:	
SCGR ID:	16N-b1	WI Yr:	1989

Wells and Additional Sources Detail Report

Co No:	Driller:	Layne-Atlantic
Use:	Drill Yr:	1979
WI Ft: 214	Drill Mo:	7
Depth D: 712	Topo:	Florence West
Depth C: 460	Elev:	120
WI:	Location:	
WI Q:	Yield:	850
Diam 1: 24	Yield Yr:	1979
Diam 2: 12	D Logs:	Yes - log in DNR files
OH Cas:	D Logs Text:	Yes
Screen T: 365	P Test:	Yes - pumping test in DNR files
Screen B: 455	P Test Text:	Yes
SCGS Sampl: no	County:	Florence
Object ID 1: 7614	Latitude:	34.1620905143
Well Use: PS	Longitude:	-79.7697852933
Chem:	X:	-79.76978242705391
G Logs: E, G	Y:	34.162083825826755
Well Use Desc:		
Chem Desc: no analysis		
G Logs Desc: electric log, natural gamma-ray log		
Global ID: e51aff00-050c-4329-9c7f-a74fda8b151c		
Remarks:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	SSE	0.94	4,948.23	108.35	WATER WELLS

Well ID: FLO-424	Owner Well ID:
SCGR ID: 16N-a6	WI Yr: 2005
Co No:	Driller: Welch
Use:	Drill Yr: 2005
WI Ft: 25	Drill Mo: 3
Depth D: 90	Topo: Florence West
Depth C: 90	Elev:
WI:	Location:
WI Q:	Yield: 80
Diam 1: 4	Yield Yr: 2005
Diam 2:	D Logs: Yes - log in DNR files
OH Cas:	D Logs Text: Yes
Screen T: 60	P Test: No
Screen B: 90	P Test Text: <Null>
SCGS Sampl: no	County: Florence
Object ID 1: 7838	Latitude: 34.161
Well Use: IRR	Longitude: -79.7505
Chem:	X: -79.75049713926951
G Logs:	Y: 34.16099331154733
Well Use Desc:	

Wells and Additional Sources Detail Report

Chem Desc: no analysis
 G Logs Desc:
 Global ID: 2837deb5-23b1-4f81-8c84-c1f8dcbe1e4c
 Remarks:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NNE	0.98	5,170.43	123.35	WATER WELLS

Well ID:	FLO-125	Owner Well ID:	
SCGR ID:	15M-p1	WI Yr:	1989
Co No:		Driller:	Sydnor
Use:		Drill Yr:	1958
WI Ft:	195	Drill Mo:	12
Depth D:	740	Topo:	Florence East
Depth C:	500	Elev:	120
WI:		Location:	
WI Q:		Yield:	1000
Diam 1:	14	Yield Yr:	1958
Diam 2:	12	D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	260	P Test:	No
Screen B:	495	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7566	Latitude:	34.1929302649
Well Use:	ABN	Longitude:	-79.7475643958
Chem:	C	X:	-79.74756153426439
G Logs:	E	Y:	34.19292356902614
Well Use Desc:			
Chem Desc:	complete analysis		
G Logs Desc:	electric log		
Global ID:	6b3f7917-304f-45c9-8ac8-dadfa9ef6da1		
Remarks:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	N	0.99	5,251.38	138.92	WATER WELLS

Well ID:	FLO-336	Owner Well ID:	
SCGR ID:	16M-t10	WI Yr:	1989
Co No:		Driller:	Welch
Use:		Drill Yr:	1989
WI Ft:	20	Drill Mo:	5
Depth D:	190	Topo:	Florence West
Depth C:	190	Elev:	
WI:		Location:	
WI Q:		Yield:	80
Diam 1:	4	Yield Yr:	1989

Wells and Additional Sources Detail Report

Diam 2:		D Logs:	Yes - log in DNR files
OH Cas:		D Logs Text:	Yes
Screen T:	80	P Test:	No
Screen B:	190	P Test Text:	<Null>
SCGS Sampl:	no	County:	Florence
Object ID 1:	7750	Latitude:	34.1959801183
Well Use:	IRR	Longitude:	-79.7581145599
Chem:		X:	-79.75811169544481
G Logs:		Y:	34.19597342192638
Well Use Desc:			
Chem Desc:	no analysis		
G Logs Desc:			
Global ID:	8069ceb8-9d15-40df-9eac-11ad62010de2		
Remarks:			

Public Water Supply Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	W	0.60	3,152.57	94.11	PWSW

Well No:	G21103	Well Status:	Active
PWS No:	SC2110001	PWS Status:	Active
Availability Desc:	Permanent	PWS Type:	C
Latitude:	34.17592	Availability:	P
Longitude:	-79.77187	Type:	WL
County:	FLORENCE		
X:	-79.7718700003561		
Y:	34.175919999895314		
PWS Type Desc:	Community Water system		
PWS Name:	FLORENCE CITY OF (SC2110001)		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *FLORENCE* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L

Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L

Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *FLORENCE* County

No Measures/Homes:	37
Geometric Mean:	0.3
Arithmetic Mean:	0.5
Median:	0.4
Standard Deviation:	0.5
Maximum:	1.9
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of South Carolina conducted during 1990-91. Data represent 2-7 day charcoal canister measurement from the lowest level of each home tested.

Federal Sources

FEMA National Flood Hazard Layer

FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data

INDOOR RADON

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data

PWSV

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level

RADON ZONE

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS)

SDWIS

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database

SSURGO

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data

US WETLAND

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo

US TOPO

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology

US GEOLOGY

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System

FED USGS

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP

Appendix

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Coastal Plain Well Records

WATER WELLS

A list of water wells in the Coastal Plain counties of South Carolina. This is provided by Department of Natural Resource's Hydrology Section.

Oil and Gas Wells

OGW

As of RI state regulatory agencies, FracTracker Alliance - state of South Carolina confirmed not to have any active (drilled but not plugged) oil and gas wells.

Public Water Supply Wells

PWSW

A list of Public Water Supply Wells made available by the South Carolina Department of Environmental Services (SCDES) Bureau of Water (BOW).

Underground Injection Control Wells

UIC

This list of Underground Injection Control Class V Wells is provided by the South Carolina Department of Environmental Services (SCDES). The majority of Class V Wells are aquifer remediation injection wells, and the remaining are Aquifer Storage and Recovery Wells (storage of potable water in the subsurface).

Water Wells

WATER WELLS

A list of water wells in the Piedmont (upstate) counties made available by by the South Carolina Department of Natural Resources. Some well locations are approximated to the nearest degree and minute of latitude and longitude.

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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APPENDIX D: QUALIFICATIONS/INSURANCE

Education

B.S. in Environmental Science – University of Florida, Gainesville, Florida

Registrations

Certified South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Site Rehabilitation Contractor, #469

Certified Women Owned Small Business (WOSB) by the U.S. Small Business Administration Office Government Contracting (sba.gov) – expires 10/5/2019

Women's Business Enterprise National Council (WBENC) Certification by Greater Women's Business Council (wbenc.org and gwbc.biz)

Highlights

20 years of experience executing wetlands and ditch assessments, delineations, and obtaining United States Army Corps of Engineers wetland certifications

18 years of experience in the Environmental Consulting Field performing Phase I and Phase II Environmental Site Assessments

Experience Summary

Ms. Hynes has 18 years of experience executing land and real estate due diligence, assessments and remediation. Ms. Hynes meets the definition of "Environmental Professional" by maintaining the specific education, training, and experience requirements necessary to exercise professional judgement in developing opinions and conclusions regarding conditions indicative of releases on, at, in or to a property according to 40 CFR 312.10(b) and ASTM E1527.

Ms. Hynes has completed over 250 Phase I Environmental Assessments (ESAs), Transaction Screens and Comprehensive Environmental Assessments on a variety of property types (according to ASTM Standards and specific bank requirements) for banks, attorneys, and other entities. Ms. Hynes' background and experience are applicable in dealing with the multi-faceted aspects of due diligence consulting as well as providing sound knowledge of approaches to identifying, evaluating and solving environmental and engineering conditions and risks.

Project Experience

Environmental Site Assessments

Grande Dunes Development, Myrtle Beach, South Carolina. Conducted the Phase I ESA on the entirety of the project site east and west of the waterway. Coordinated with the State and Federal Permitting for the United States Army Corps of Engineers (USACE) jurisdictional and isolated non-jurisdictional wetland impacts within the Grande Dunes tracts located on the east and west side of the Atlantic Intracoastal Waterway. Residential and golf development was planned to avoid and minimize wetland impacts to the greatest extent possible. One wetland road crossing was permitted, in addition to three isolated wetlands to facilitate development. USACE jurisdictional wetland areas totaling 12.17-acres were preserved in perpetuity along with 10.07-acres of upland buffer.

The Pavilion, Myrtle Beach, South Carolina. The 11.5-acre Pavilion Amusement Park has historically existed as a permanent outdoor amusement park since 1948. In late 2005, while moving the Enterprise Ride for maintenance, unidentified petroleum liquid spilled into the containment basin. Ms. Hynes conducted the Phase I ESA and identified several areas of concern associated with historical rides throughout the amusement park. Further investigation was conducted, including soil sampling and the installation of groundwater monitoring wells. Upon receipt of the groundwater sampling report, a No Further Action letter was issued, and redevelopment plans continued as scheduled.

Broadway at the Beach, Myrtle Beach, South Carolina. Conducted numerous Phase I ESAs on the property after development commenced so the owners were able to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability. Coordinated the asbestos and lead-based paint sampling for the Pirates of the Carolinas Restaurant and obtained City of Myrtle Beach demolition permits to facilitate demolition and construction of a new and updated facility.

Pine Lakes Golf Course, Myrtle Beach, South Carolina. Conducted the Phase I ESA for the Pine Lakes Golf Course. Based on findings from the ESA report, subsequent soil sampling was conducted to confirm no environmental contamination was present in the area of the maintenance shed. In addition, Ms. Hynes helped coordinate the collection of asbestos and lead samples from the historical club house. Asbestos was found in the clubhouse and removed prior to renovation according to SCDHEC guidelines. Ms. Hynes also coordinated with the USACE and the SC Department of Health and Environmental Control regarding the State and Federal wetland permitting requirements. All impacts to USACE jurisdictional wetlands were avoided.



Education

Bachelor of Arts, Political Science, University of California, Irvine, CA
Diploma, Executive Assistant Business Program, Heald Business College, Hayward, CA

Registrations

California EPA Registered Environmental Assessor I – 07364
California OSHA Certified Site Surveillance Technician No. 97-2116

Training

40-Hour OSHA HAZWOPER Training
EPA-Certified AHERA Asbestos Building Inspector
EPA-Certified AHERA Contractor/Supervisor/Competent Person

Highlights

15 + years of experience in the environmental due diligence industry:

- Phase I Environmental Site Assessments
- Phase II Environmental Site Assessments
- Property Condition Assessments
- Asbestos Surveys
- Transaction Screen Assessments
- Environmental Desktop Reviews and Reports
- UST Removal
- Regulatory Work Plan Preparation for remediation of hazardous materials
- Business Development / Client Relations

Experience Summary

Ms. Thomas is a Project Assessor at Partner Engineering and Science, Inc. (Partner) and is located out of the Torrance, California office. She is responsible for conducting Phase I Environmental Site Assessments (ESA) including site reconnaissance, regulatory file review, historical research, interpretation of data and maps, and technical writing. Ms. Thomas has broad project experience from small privately owned properties to large portfolios of industrial sites in both the private and public sectors. This experience includes properties with impact to soil and groundwater from petroleum and solvent releases and required extensive regulatory file review. Ms. Thomas has received training in risk management and liability as it pertains to environmentally impacted properties.

Project Experience

Initial Site Assessment for Freeway Expansion, Los Angeles County, California. Performed an *Initial Site Assessment* for California Department of Transportation (Caltrans) for the Interstate 5 Freeway expansion project in Burbank, Glendale and Los Angeles, which included 10 miles of assessment area and many properties with hazardous materials, USTs and groundwater contamination issues.

Initial Study and Biological Survey, Madera, California. City of Madera, California: Performed an *Initial Study* for the City of Madera Wastewater Treatment Plant expansion project, which included a Biological Survey

Margaret R. Thomas

and assessment for hazardous materials.

Phase I Environmental Site Assessment and Underground Storage Tank Removal, Beverly Hills, California.

Project Manager for the removal of an old waste oil underground storage tank that was identified through due diligence research, which was subsequently removed and received case closure from the Los Angeles County Environmental Programs Division.

Phase II Environmental Site Assessment and Work Plan for Remedial Action, Garden Grove, California. Project Manager for site characterization of a former dry cleaner that included a soil gas survey, soil sampling and the installation of five groundwater monitoring wells. Ms. Thomas conducted the initial Phase II ESA, which identified soil and groundwater impact. Preparation of a Work Plan for site characterization was approved by the Santa Ana Regional Water Quality Control Board and implemented.

Phase II Environmental Site Assessment, Inglewood, California. Project Manager of a *Phase II* ESA on a former gas station property that was redeveloped in the early 1980s into a coin operated laundry mat. The client was a prospective buyer of the property. Limited information pertaining to the former gas station was identified at the local regulatory agencies; therefore, a Phase II scope of work was designed and implemented to best identify the former UST and piping locations. Significantly contaminated soil was identified.

Phase I Environmental Site Assessment, Downtown Los Angeles, California. Performed a *Phase I* ESA for the Los Angeles County Metropolitan Transportation Authority (MTA) for its Division One Bus Depot Expansion project on a site in downtown Los Angeles that was a former Texaco Super Truck Service Depot with former fueling, carwash and automotive services. Ms. Thomas has performed several Phase I ESA projects for the Los Angeles County MTA.

Contact

mathomas@partneresi.com



Education

M.S. Civil-Environmental Engineering, California State University, Fullerton
B.S. Environmental Engineering, University of California, Riverside
Coursework in Legal and Regulatory Framework for Environmental Management,
University of California Irvine
Coursework in Mold Inspection

Registrations

Professional Engineer (PE), Colorado
Engineer-In Training (EIT), California
State of California Registered Environmental Assessor (program canceled in July 2012)
LEED Green Associate (GA) Accredited Professional, United States Green Building Council (lapsed)

Training

OSHA 40-hour HAZWOPER, Operations Level Health and Safety Training
OSHA 10-hour Construction Safety Training
AHERA Certified Building Inspector for Asbestos
Trained/Certified – Hazardous Waste in California, US Department of Transportation Hazardous Materials
Transportation, and USEPA Hazardous/Toxic Waste management (LION)

Highlights

Over 20 years in the environmental and engineering consulting industry with institutional and private clients
Environmental Engineer
Extensive knowledge of real estate due diligence
Phase I and Phase II Environmental Site Assessments
Site Mitigation and Remediation

Experience Summary

Ms. Ponce is an environmental engineer with more than 20 years of experience in the environmental and engineering services industries. As a Principal and National Client Manager working within Partner's Investment Advisory Group, Ms. Ponce strives to provide the expected high level of client service for the Equity Asset Management industry. She is responsible for ensuring consistency, quality, and on-time delivery of due diligence and engineering services provided by Partner. Current day-to-day responsibilities include project oversight, staff supervision, report review, and client management.

Ms. Ponce has significant experience in the field of environmental due diligence, site assessment, remediation, and regulatory compliance. Ms. Ponce provides environmental support to clients nationwide during the acquisition, disposition, development, and on-going management and operation of commercial, industrial, and multifamily residential properties.

Ms. Ponce has considerable experience in Phase I and Phase II Environmental Site Assessments (ESAs) of commercial, agricultural, and industrial properties and projects involving water quality, soil quality, and regulatory compliance including hazardous and solid waste site characterization and remediation;

remediation system design installation, and operation; tank removals; asbestos surveys; lead-based paint surveys; radon studies; mold assessments; lead-in water sampling and analysis; and technical reporting.

Ms. Ponce has been involved with feasibility and treatability studies associated with several remediation projects including soil and groundwater treatment systems, UST/LUST closures, and management of construction soils generated during redevelopment of agricultural and industrial properties. Other equity and finance level services managed and directed by Ms. Ponce include management of Property Condition Assessments, ALTA Land Surveys, zoning reports, Seismic Risk Assessments (PML), Construction Risk Management, construction monitoring services, and construction document cost review analysis.

Real estate investors, financial institutions, insurance lenders, property managers, developers, and brokers have come to rely on her advice and judgment to help them with their real estate business decisions. Ms. Ponce is a dedicated professional who takes pride and pleasure in meeting her client's needs and spearheading and assembling the team with the expertise to handle any issue that may come up during the real estate transaction.

Project Experience

Ms. Ponce has conducted, managed, and directed thousands of ESAs, industrial hygiene, and engineering assessments throughout her career, nationally, and globally. The following select projects and client base provide a glimpse of her consulting experience and due diligence background:

Ford Leasing Development Company / Sunset Ford, Westminster, California. Conducted a Phase I and II ESA and remedial activities at a closing automobile dealership with 41 service bays containing active, decommissioned, or removed in-ground hydraulic vehicle lifts. The Phase II ESA identified petroleum hydrocarbon and VOC impacts in soil and groundwater in the immediate vicinity of the lifts. Based on the identified impacts, managed the removal of all lifts and contaminated soil under regulatory oversight and conducted a comprehensive site investigation, including well installation and soil, groundwater, and soil vapor sampling. Prepared and submitted final reports to the client and regulatory agencies and obtained regulatory site closure.

UBS Realty Investors, LLC, Vernon, California. Conducted a Phase I and Phase II ESA, hazardous materials building survey, and oversight of remedial actions on an approximately 6-acre industrial property in preparation of acquisition and redevelopment. The property was more recently used for large quantity storage and distribution of motor oil and lubricants. The facility was previously involved with blending and bottling motor oil products including a historical cooperage with drum and container cleaning as part of those operations. The business had occupied the subject property since 1936 with consistent operations throughout its history and only minor modifications to the original design, with tanks farms, rail operations, and USTs. The Phase I ESA included site reconnaissance, property inspection, site history review, database search, and final report preparation with recommendations for additional assessment. The Phase II subsurface investigation scope included a geophysical survey, the advancement of 43 soil borings, 24 soil vapor borings identifying petroleum hydrocarbon and VOC impacts across the site. Based on the identified impacts, provided oversight of the cleanup with the property obtaining regulatory site closure and being redeveloped.

Confidential Private Equity Firm, Twenty-nine Sites in Nine States. Provided project oversight and supervision of Property Condition Assessments (PCAs), Mechanical, Electrical, Plumbing & Fires Life Safety (MEPFLS) assessments, Energy Surveys, and equipment inventory at active/operating cold storage facilities.

USDA Forest Service, Mountain Center, California. Prepared a Soil Excavation and Groundwater Well Installation Workplan to assess a release that was discovered during the removal of two 1,000-gallon USTs. Elevated contaminant concentrations were detected in confirmation soil samples collected at that time. Installed one groundwater monitoring well into fractured bedrock and later abandoned the well due to planned excavation activities in the area. A groundwater sample collected prior to well abandonment contained elevated contaminant concentrations. Prepared a Site Investigation Summary Report summarizing site activities and investigations to date. Prepared a Groundwater Assessment Workplan to assess the extent of contaminant concentrations in groundwater. Site assessment work is pending.

American Golf Corporation, Eighteen Sites in Southern California. Managed underground storage tank removal and closure activities. Work included performing initial confirmation soil sampling and analysis and subsequent monitoring and soil and/or groundwater testing in association with the removal of the underground storage tanks, associated dispensers, and piping at sixteen sites located throughout Southern California. Prepared soil and/or groundwater investigation workplans as needed to address contamination issues at several of the sites and closure reports for the various State and local authorities. To date, regulatory closure has been obtained at most of the facilities. Currently managing ongoing monitoring and/or remediation is occurring at several of the facilities.

G.E. Capital, Tijuana, Mexico. Managed and conducted more than 30 Phase I and Phase II ESAs for active and proposed industrial developments within various areas of Tijuana, Mexico. Work included site reconnaissance, site history review, and final report preparation.

Signature Flight Support, Unites States, Canada, Europe. Provided due diligence support in connection with the acquisition of Landmark Aviation's 195 global locations including FBOs, MROs, and its charter management division. Managed the portfolio conducting Phase I and Phase II report peer views, Phase I ESAs, and PCAs.

Affiliations

Commercial Real Estate Development Association (NAIOP), Member
Urban Land Institute (ULI)
National Ground Water Association (NGWA)
American Society of Civil Engineers (ASCE)
Commercial Real Estate Women (CREW), Member
Groundwater Resources Association (GRA) of California
American Academy of Environmental Engineers (AAEE)
International Council of Shopping Centers (ICSC), Member

Contact

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