



Waters of the U.S. Memo

Lexington County Parcel

TMS# 6896-03-040

December 2025

1. Project Study Area (PSA) Description

Mead & Hunt reviewed a PSA approximately 23.2 acres in size, following the boundary of Lexington County parcel TMS# 6896-03-040 located approximately 1.3 miles from the center of Pine Ridge, South Carolina. The PSA is located in the Carolina and Georgia Sandhills major land resource area. Based on the field review, three (3) terrestrial habitat types are present within the PSA, including maintained land (utility right-of-way), mixed pine forest, and bottomland hardwood forest. The PSA is located within the Saluda River basin, specifically the Congaree Creek watershed (Hydrological Unit Code (HUC) 0305011001).

Mead & Hunt, Inc. (Mead & Hunt) has been contracted to provide a wetland delineation of the proposed project study area. This Waters of the U.S. Memo summarizes the findings of the wetland delineation.

2. Methodology

Field reviews of the PSA were conducted on December 16, 2025, by Mead & Hunt Environmental Planners Olivia Roach and Siobhan Gordon. Investigations for the presence of wetlands and other “waters of the U.S.” were carried out. The boundaries of waters of the U.S., including wetlands, were also flagged (delineated) in the field at that time. Wetlands were determined using the Routine On-Site Determination Method as defined in the Corps of Engineers Wetland Delineation Manual (Environmental Laboratory, 1987) and the Atlantic and Gulf Coastal Plain Regional Supplement to the Manual (USACE, 2010). Delineated waters were subsequently located using a handheld iPad attached to a Trimble DA2 Global Positioning System (GPS) unit capable of sub-meter accuracy.

3. Waters of the U.S.

One forested wetland, two tributaries to Congaree Creek, and one excavated ditch were observed during field reconnaissance on December 16, 2025. Please see Appendix A, Figure 1 for the location and extent of delineated features within the PSA.



Table 1: Delineated aquatic features within the project study area

Jurisdictional Wetlands				
Wetland	Type	Acres		
Jurisdictional Wetland 1	Forested	6.364		
Jurisdictional Tributaries				
Jurisdictional Tributaries	Type	OHWL	Linear Feet	Acres
Jurisdictional Tributary 1	Intermittent	1-12 feet	1,260	0.130
Jurisdictional Tributary 2	Intermittent	2-12 feet	271	0.027
Non-Jurisdictional Linear Features				
Name	Type	OHWL	Linear Feet	Acres
Non-Jurisdictional Linear Feature 1 (Ditch)	Ditch	N/A	56	N/A

Jurisdictional Wetland 1

Wetland 1 is a palustrine, forested wetland associated with roadway drainage and the floodplain of Tributary 1 and Tributary 2, located south of Old Dunbar Road and east of Creekside Road. Approximately 6.364 acres of the wetland is located within the PSA. The overstory of Wetland 1 is dominated by sweetgum (*Liquidambar styraciflua*), red maple (*Acer rubrum*), and other broadleaf hardwood species. Understory vegetation is sparse and includes redbay (*Tamala borbonia*), Chinese privet (*Ligustrum sinense*), American holly saplings (*Ilex opaca*), switchcane (*Arundinaria tecta*), and Japanese honeysuckle (*Lonicera japonica*). Primary and secondary wetland hydrology indicators within Wetland 1 include: high water table, saturation, drainage patterns, water-stained leaves, geomorphic position, and the FAC-neutral test. Hydric soil indicator Umbric Surface was also observed in the wetland. Wetland 1 is depicted on the USFWS NWI Wetland Mapper as a freshwater forested wetland (PFO1A). Representative photographs of Wetland 1 are included in Appendix B, Photographs 01-05, 12-13, 15, 21-23, 31, and 33-34.

Jurisdictional Tributary 1

Tributary 1 is an unnamed tributary to Congaree Creek and originates within the PSA as a channelized portion of Wetland 1. Beyond the PSA, Tributary 1 drains southeast into Congaree Creek. Within the PSA, Tributary 1 is approximately 1-12 feet in width. Approximately 1,260 linear feet (0.130 acre) of the water is located within the PSA. During field investigations, the stream channel exhibited low flow, strong sinuosity, and a substrate consisting primarily of silty loam and organic material. Tributary 1 exhibits an ordinary high-water mark, headcuts,



inundation, and semi-aquatic life such as crayfish and amphibians. Exposed, large roots were present within the streambed and bank. Within the PSA, the stream accepts drainage from forested Wetland 1, which concentrates drainage from precipitation, drainage from the neighboring UPS facility, and roadside drainage from Old Dunbar Road. Tributary 1 is depicted on USGS topographic mapping as an intermittent stream. Representative photographs of Tributary 1 are included in Appendix B, Photographs 16-20, 22, 24-29.

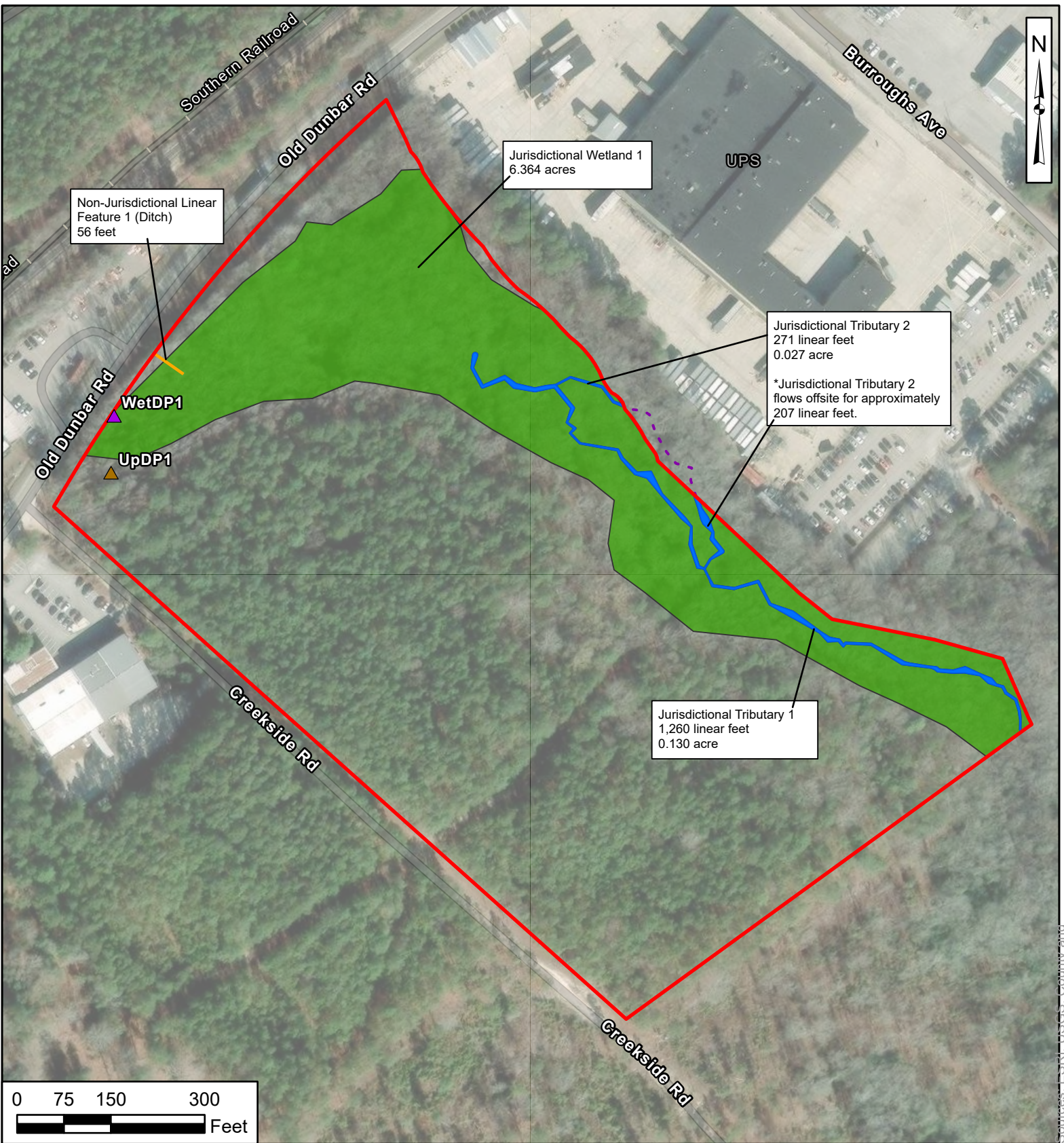
Jurisdictional Tributary 2

Tributary 2 is an unnamed tributary to Congaree Creek and originates within the PSA, diverging from Tributary 1 before flowing offsite and eventually converging with Tributary 1 further south within the PSA. Within the PSA, Tributary 2 is approximately 2-12 feet in width. Approximately 271 linear feet (0.027 acre) of the water is located within the PSA. During field investigations, the stream channel exhibited low flow, strong sinuosity, and a substrate consisting primarily of silty loam and organic material. Tributary 2 exhibits an ordinary high-water mark, inundation, and appeared to have an alternating riffle-pool pattern. Exposed, large roots were present within the streambed and bank. Within the PSA, the stream accepts drainage from Tributary 1 within Wetland 1. Tributary 2 is not depicted on USGS topographic mapping. Representative photographs of Tributary 2 are included in Appendix B, Photographs 23, 29, and 36-37.

Non-Jurisdictional Linear Feature 1 (Ditch)

Non-Jurisdictional Linear Feature 1 (Ditch) was identified as a linear conveyance for the purpose of roadside drainage and stormwater retention. Ditch 1 appeared to receive drainage from an offsite culvert along Old Dunbar Road, which receives water from drainage ditches on the north side of the road. Within the PSA, approximately 56 linear feet of the ditch is located within the PSA. During field investigations, the stream channel was observed to be dry and did not exhibit an ordinary high-water mark. At its terminus, the ditch appeared to convert to sheet flow into Wetland 1. Representative photographs of Ditch 1 are included in Appendix B, Photographs 30-31.

APPENDIX A
WATERS OF THE U.S. MAP
WETLAND DATA DETERMINATION FORMS



Source: Esri, USGS, County and

<p>Mead & Hunt Mead & Hunt 878 S Lake Drive Lexington, SC 29072 Tel. 803.996.2900 www.meadhunt.com</p>		LEXINGTON COUNTY PARCEL		WATERS OF THE U.S. MAP			
		TMS# 006896-03-040					
		SOURCE: NAIP Aerial Imagery (2024)					
		DRAWN BY: OGR	FIGURE 1				
DATE: 12/18/2025	QAQC BY: SOG	<p>LEGEND</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <ul style="list-style-type: none"> ▭ Project Study Area ▭ Jurisdictional Wetland — Streamline ▬ Jurisdictional Tributary </td> <td style="width: 50%; border: none;"> <ul style="list-style-type: none"> ▲ Upland Datapoint ▲ Wetland Datapoint ▬ Non-Jurisdictional Linear Feature (Ditch) </td> </tr> </table>				<ul style="list-style-type: none"> ▭ Project Study Area ▭ Jurisdictional Wetland — Streamline ▬ Jurisdictional Tributary 	<ul style="list-style-type: none"> ▲ Upland Datapoint ▲ Wetland Datapoint ▬ Non-Jurisdictional Linear Feature (Ditch)
<ul style="list-style-type: none"> ▭ Project Study Area ▭ Jurisdictional Wetland — Streamline ▬ Jurisdictional Tributary 	<ul style="list-style-type: none"> ▲ Upland Datapoint ▲ Wetland Datapoint ▬ Non-Jurisdictional Linear Feature (Ditch) 						

Project/Site: Lexington County Parcel TMS# 006896-03-040 City/County: Lexington Sampling Date: 12/16/2025
 Applicant/Owner: County of Lexington, South Carolina State: SC Sampling Point: WetDP1
 Investigator(s): Olivia Roach & Siobhan Gordon Section, Township, Range: _____
 Landform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1
 Subregion (LRR or MLRA): LRR P, MLRA 137 Lat: 33.9334016 Long: -81.1027909 Datum: NAD1983
 Soil Map Unit Name: Ly - Lynn Haven loamy sand NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil X, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
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Remarks:
 WetDP1 was taken within a depression that appeared to be associated with the floodplain of Tributary 1 and 2. To the south, terracing was present in uplands, likely from a history of agriculture on the property. The wetland was bermed by Old Dunbar Road to the northwest and the UPS facility on the neighboring property to the north. Excavated ruts were observed throughout the northern portion of the wetland. Culverts were observed to the northwest and northeast which appeared to drain into the wetland.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Aquatic Fauna (B13) <u>X</u> High Water Table (A2) _____ Marl Deposits (B15) (LRR U) <u>X</u> Saturation (A3) _____ Hydrogen Sulfide Odor (C1) _____ Water Marks (B1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Sediment Deposits (B2) _____ Presence of Reduced Iron (C4) _____ Drift Deposits (B3) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Algal Mat or Crust (B4) _____ Thin Muck Surface (C7) _____ Iron Deposits (B5) _____ Other (Explain in Remarks) _____ Inundation Visible on Aerial Imagery (B7) <u>X</u> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Sparsely Vegetated Concave Surface (B8) <u>X</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) <u>X</u> Geomorphic Position (D2) _____ Shallow Aquitard (D3) <u>X</u> FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U)
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Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>6</u> Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>6</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 Wetland hydrology indicators were observed.

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: WetDP1

Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Liquidambar styraciflua</u>	<u>50</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Acer rubrum</u>	<u>10</u>	<u>No</u>	<u>FAC</u>
3. <u>Magnolia virginiana</u>	<u>5</u>	<u>No</u>	<u>FACW</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
	<u>65</u> =Total Cover		
50% of total cover: <u>33</u>		20% of total cover: <u>13</u>	
Sapling Stratum (Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Tamala borbonia</u>	<u>20</u>	<u>Yes</u>	<u>FACW</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
	<u>20</u> =Total Cover		
50% of total cover: <u>10</u>		20% of total cover: <u>4</u>	
Shrub Stratum (Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Ligustrum sinense</u>	<u>5</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Ilex opaca</u>	<u>5</u>	<u>Yes</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
	<u>10</u> =Total Cover		
50% of total cover: <u>5</u>		20% of total cover: <u>2</u>	
Herb Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Arundinaria tecta</u>	<u>80</u>	<u>Yes</u>	<u>FACW</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
	<u>80</u> =Total Cover		
50% of total cover: <u>40</u>		20% of total cover: <u>16</u>	
Woody Vine Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Lonicera japonica</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	<u>5</u> =Total Cover		
50% of total cover: <u>3</u>		20% of total cover: <u>1</u>	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>105</u>	x 2 = <u>210</u>
FAC species <u>70</u>	x 3 = <u>210</u>
FACU species <u>5</u>	x 4 = <u>20</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>180</u> (A)	<u>440</u> (B)
Prevalence Index = B/A = <u>2.44</u>	

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0¹

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub - Woody Plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 (1 m) in height.

Woody Vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes No

Remarks: (If observed, list morphological adaptations below.)
Wetland vegetation was observed.

SOIL

Sampling Point: WetDP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	10YR 2/1	100					Loamy/Clayey	
4-11	10YR 3/1	100					Loamy/Clayey	
11-18	10YR 4/1	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) (LRR P, T, U)
- 5 cm Mucky Mineral (A7) (LRR P, T, U)
- Muck Presence (A8) (LRR U)
- 1 cm Muck (A9) (LRR P, T)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) (MLRA 150A)
- Iron Monosulfide (A18)
- Sandy Mucky Mineral (S1) (LRR O, S)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR P, S, T, U)
- Polyvalue Below Surface (S8) (LRR S, T, U)
- Thin Dark Surface (S9) (LRR S, T, U)
- Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D)
- Loamy Mucky Mineral (F1) (LRR O)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) (LRR U)
- Depleted Ochric (F11) (MLRA 151)
- Iron-Manganese Masses (F12) (LRR O, P, T)
- Umbric Surface (F13) (LRR P, T, U)
- Delta Ochric (F17) (MLRA 151)
- Reduced Vertic (F18) (MLRA 150A, 150B)
- Piedmont Floodplain Soils (F19) (MLRA 149A)
- Anomalous Bright Floodplain Soils (F20) (MLRA 149A, 153C, 153D)
- Very Shallow Dark Surface (F22) (MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR O)
- 2 cm Muck (A10) (LRR S)
- Coast Prairie Redox (A16) (MLRA 149A)
- Reduced Vertic (F18) (outside MLRA 150A, 150B)
- Piedmont Floodplain Soils (F19) (LRR P, T)
- Anomalous Bright Floodplain Soils (F20) (MLRA 153B)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22) (outside MLRA 138, 152A in FL, 154)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

Hydric soil was observed.

Project/Site: Lexington County Parcel TMS# 006896-03-040 City/County: Lexington Sampling Date: 12/16/2025
 Applicant/Owner: County of Lexington, South Carolina State: SC Sampling Point: UpDP1
 Investigator(s): Olivia Roach & Siobhan Gordon Section, Township, Range: _____
 Landform (hillside, terrace, etc.): Hillside Local relief (concave, convex, none): None Slope (%): 3-4
 Subregion (LRR or MLRA): LRR P, MLRA 137 Lat: 33.9331517 Long: -81.1028069 Datum: NAD1983
 Soil Map Unit Name: BnC - Blaney sand, 2-10% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland?	Yes _____ No <u>X</u>
Hydric Soil Present?	Yes <u>X</u> No _____		
Wetland Hydrology Present?	Yes _____ No <u>X</u>		

Remarks:
 UpDP1 was taken uphill of Wetland 1 on the slope of the lowest artificial terrace.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) (LRR U) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum Moss (D8) (LRR T, U)
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Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 Wetland hydrology indicators were not observed.

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: UpDP1

Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Liquidambar styraciflua</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Pinus elliotii</u>	<u>10</u>	<u>No</u>	<u>FACW</u>
3. <u>Pinus echinata</u>	<u>5</u>	<u>No</u>	<u>UPL</u>
4. <u>Ilex opaca</u>	<u>5</u>	<u>No</u>	<u>FAC</u>
5. <u>Prunus caroliniana</u>	<u>3</u>	<u>No</u>	<u>FACU</u>
6. <u>Pyrus calleryana</u>	<u>3</u>	<u>No</u>	<u>UPL</u>
	<u>56</u> =Total Cover		
50% of total cover:	<u>28</u>	20% of total cover:	<u>12</u>

Sapling Stratum (Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Tamala borbonica</u>	<u>2</u>	<u>No</u>	<u>FACW</u>
2. _____			
3. _____			
4. _____			
5. _____			
6. _____			
	<u>2</u> =Total Cover		
50% of total cover:	<u>1</u>	20% of total cover:	<u>1</u>

Shrub Stratum (Plot size: <u>15</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____			
2. _____			
3. _____			
4. _____			
5. _____			
6. _____			
	_____ =Total Cover		
50% of total cover:	_____	20% of total cover:	_____

Herb Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Ligustrum sinense</u>	<u>2</u>	<u>No</u>	<u>FAC</u>
2. <u>Juniperus virginiana</u>	<u>2</u>	<u>No</u>	<u>FACU</u>
3. _____			
4. _____			
5. _____			
6. _____			
7. _____			
8. _____			
9. _____			
10. _____			
11. _____			
	<u>4</u> =Total Cover		
50% of total cover:	<u>2</u>	20% of total cover:	<u>1</u>

Woody Vine Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Lonicera japonica</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>
2. _____			
3. _____			
4. _____			
5. _____			
	<u>5</u> =Total Cover		
50% of total cover:	<u>3</u>	20% of total cover:	<u>1</u>

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>12</u>	x 2 = <u>24</u>
FAC species <u>37</u>	x 3 = <u>111</u>
FACU species <u>10</u>	x 4 = <u>40</u>
UPL species <u>8</u>	x 5 = <u>40</u>
Column Totals: <u>67</u> (A)	<u>215</u> (B)
Prevalence Index = B/A = <u>3.21</u>	

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0¹

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub - Woody Plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody Vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes No X

Remarks: (If observed, list morphological adaptations below.)
Hydrophytic vegetation was not observed.

SOIL

Sampling Point: UpDP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-3	10YR 3/2	100					Sandy	
3-18	10YR 2/1	100					Sandy	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) **(LRR P, T, U)**
- 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- Muck Presence (A8) **(LRR U)**
- 1 cm Muck (A9) **(LRR P, T)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) **(MLRA 150A)**
- Iron Monosulfide (A18)
- Sandy Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**
- Polyvalue Below Surface (S8)
(LRR S, T, U)
- Thin Dark Surface (S9) **(LRR S, T, U)**
- Barrier Islands 1 cm Muck (S12)
(MLRA 153B, 153D)
- Loamy Mucky Mineral (F1) **(LRR O)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) **(LRR U)**
- Depleted Ochric (F11) **(MLRA 151)**
- Iron-Manganese Masses (F12) **(LRR O, P, T)**
- Umbric Surface (F13) **(LRR P, T, U)**
- Delta Ochric (F17) **(MLRA 151)**
- Reduced Vertic (F18) **(MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- Anomalous Bright Floodplain Soils (F20)
(MLRA 149A, 153C, 153D)
- Very Shallow Dark Surface (F22)
(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) **(LRR O)**
- 2 cm Muck (A10) **(LRR S)**
- Coast Prairie Redox (A16) **(MLRA 149A)**
- Reduced Vertic (F18)
(outside MLRA 150A, 150B)
- Piedmont Floodplain Soils (F19) **(LRR P, T)**
- Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

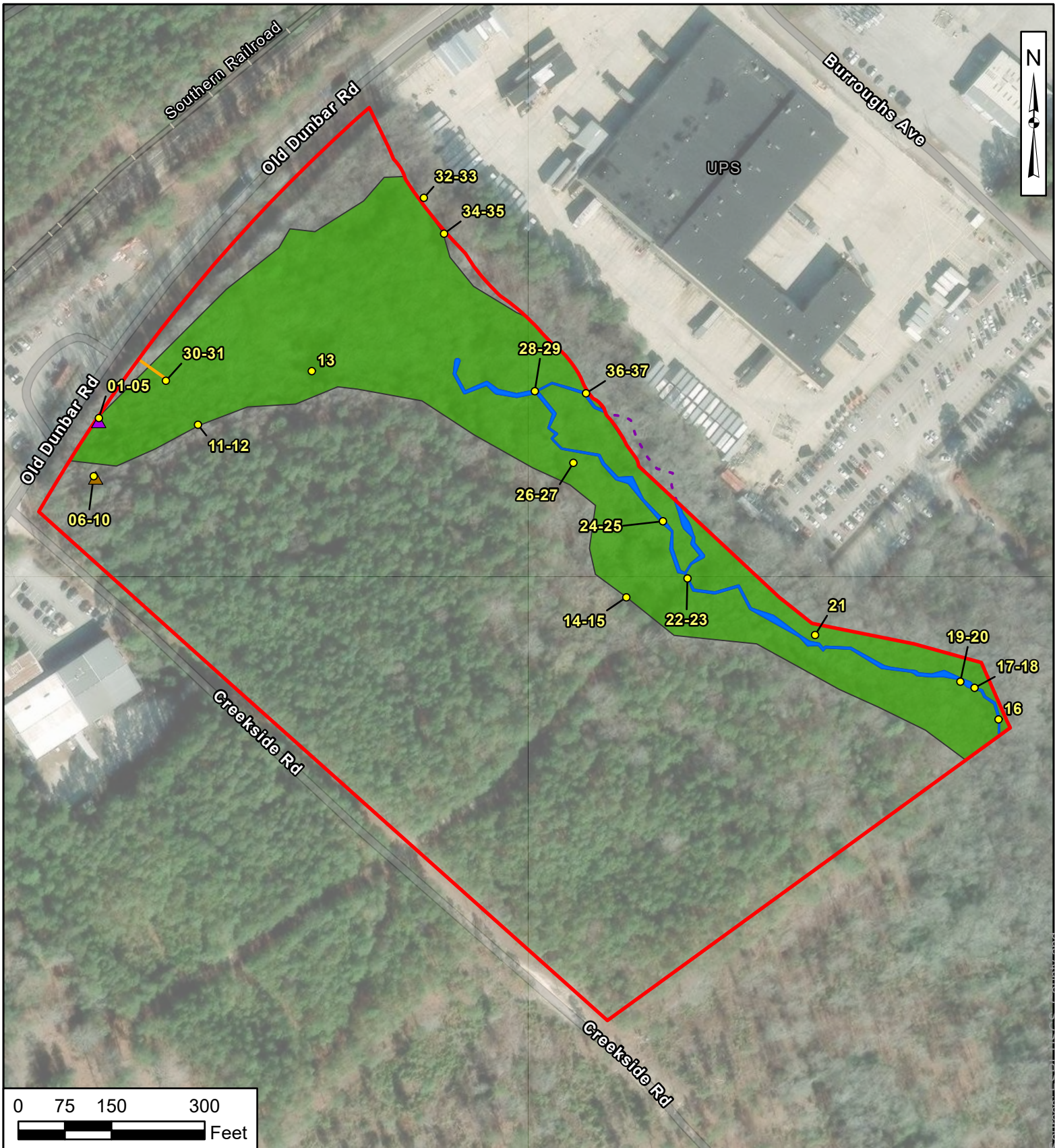
Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:
Hydric soil was observed.



APPENDIX B
PHOTO LOCATION MAP
PHOTOLOG







Source: Esri, USGS, County and


<p style="font-size: 8px; margin-top: 5px;">Mead & Hunt 878 S Lake Drive Lexington, SC 29072 Tel. 803.996.2900 www.meadhunt.com</p>		LEXINGTON COUNTY PARCEL TMS# 006896-03-040		PHOTO LOCATION MAP			
		<small>SOURCE: NAIP Aerial Imagery (2024)</small>				LEGEND <div style="display: flex; justify-content: space-between; font-size: 8px;"> <div style="width: 45%;"> <ul style="list-style-type: none"> Project Study Area Jurisdictional Wetland Streamline Jurisdictional Tributary Upland Datapoint </div> <div style="width: 45%;"> <ul style="list-style-type: none"> Wetland Datapoint Non-Jurisdictional Linear Feature (Ditch) Photo </div> </div>	
		<small>DRAWN BY: OGR</small>	<small>FIGURE 2</small>				
		<small>DATE: 12/18/2025</small>	<small>QAQC BY: SOG</small>				



	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 01</p>
	<p>Description: View of Jurisdictional Wetland 1, facing north towards roadside berm. Photograph is taken in the NW corner of the study area where Wetland Datapoint 1 was taken.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 02</p>
	<p>Description: View of Jurisdictional Wetland 1, facing east. Photograph is taken in the NW corner of the study area where Wetland Datapoint 1 was taken.</p>

	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 03</p>
	<p>Description: View of Jurisdictional Wetland 1, facing south towards terraced upland area. Photograph is taken in the NW corner of the study area where Wetland Datapoint 1 was taken.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 04</p>
	<p>Description: View of Jurisdictional Wetland 1, facing west towards roadside berm. Photograph is taken in the NW corner of the study area where Wetland Datapoint 1 was taken.</p>

	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 05</p>
	<p>Description: View of soil sample at Wetland Datapoint 1 in the NW corner of the study area.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 06</p>
	<p>Description: View of upland area, facing north towards Old Dunbar Road. Photograph is taken in the NW corner of the study area where Upland Datapoint 1 was taken.</p>

	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 07</p>
	<p>Description: View of upland area, facing east. Photograph is taken in the NW corner of the study area where Upland Datapoint 1 was taken.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 08</p>
	<p>Description: View of upland area, facing uphill (south). Photograph is taken in the NW corner of the study area where Upland Datapoint 1 was taken.</p>

	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 09
	Description: View of upland area, facing west towards Creekside Road. Photograph is taken in the NW corner of the study area where Upland Datapoint 1 was taken.
	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 10
	Description: View of soil sample at Upland Datapoint 1 in the NW corner of the study area.

	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 11
	Description: View of upland area facing south from Jurisdictional Wetland 1 boundary.
	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 12
	Description: View of wetland area facing north from Jurisdictional Wetland 1 boundary.



Date:
12/16/2025

Taken By:
Olivia Roach

Photograph 13

Description:
View of pooling
water within
Jurisdictional
Wetland 1,
facing north.





Date:
12/16/2025



Taken By:
Olivia Roach



Photograph 14

Description:
View of upland
area facing
southwest from
Jurisdictional
Wetland 1
boundary.



	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 15</p>
	<p>Description: View of wetland area facing down gradient. Photograph is taken along the boundary of Jurisdictional Wetland 1 facing northeast.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 16</p>
	<p>Description: View of Jurisdictional Tributary 1, facing upstream. Photograph is taken near the southeast corner of the study area, facing north.</p>



	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 17
Description: View of Jurisdictional Tributary 1, facing upstream. Photograph is taken near the southeast corner of the study area, facing northwest.	
	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 18
Description: View of Jurisdictional Tributary 1, facing downstream. Photograph is taken near the southeast corner of the study area, facing southeast.	



	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 19</p>
	<p>Description: View of Jurisdictional Tributary 1, facing upstream. Photograph is taken near the southeast corner of the study area, facing northwest.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 20</p>
	<p>Description: View of Jurisdictional Tributary 1, facing downstream. Photograph is taken near the southeast corner of the study area, facing southeast.</p>



	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 21</p>
	<p>Description: View of debris within Jurisdictional Wetland 1, facing up gradient. Photograph is taken along the eastern boundary of the wetland near UPS, facing north.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 22</p>
	<p>Description: View of Jurisdictional Tributary 1 within Jurisdictional Wetland 1, facing north. Photograph is taken immediately south of the confluence with Jurisdictional Tributary 2.</p>



	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 23
	Description: View of Jurisdictional Tributary 2, within Jurisdictional Wetland 1, facing northeast. Photograph is taken at the confluence of Tributaries 1 and 2.
	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 24
	Description: View of Jurisdictional Tributary 1, facing upstream. Photograph is taken near the northeast boundary of the study area, facing northwest.



	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 25</p>
	<p>Description: View of Jurisdictional Tributary 1, facing downstream. Photograph is taken near the northeast boundary of the study area, facing southeast.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 26</p>
	<p>Description: View of Jurisdictional Tributary 1, facing upstream. Photograph is taken within the north central portion of the study area, facing northwest.</p>

	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 27</p>
	<p>Description: View of Jurisdictional Tributary 1, facing downstream. Photograph is taken within the north central portion of the study area, facing southeast.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 28</p>
	<p>Description: View of Jurisdictional Tributary 1, facing upstream. Photograph is taken where Jurisdictional Tributaries 1 and 2 diverge in the northern portion of the study area.</p>

	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 29</p>
	<p>Description: View of Jurisdictional Tributaries 1 & 2, facing downstream. Photograph is taken where Jurisdictional Tributaries 1 and 2 diverge in the northern portion of the study area.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 30</p>
	<p>Description: View of excavated Non-jurisdictional Linear Feature 1 (Ditch). Photograph is taken at the terminus of the feature within Jurisdictional Wetland 1, facing northwest.</p>

	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 31</p>
	<p>Description: View of excavated Non-jurisdictional Linear Feature 1 (Ditch) continuing as sheet flow into Jurisdictional Wetland 1, facing southeast.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 32</p>
	<p>Description: View of culvert outlet from UPS property. Photograph is taken facing northeast.</p>

	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 33
Description: View of debris and drainage patterns within Jurisdictional Wetland 1, facing southwest. Photograph is taken near the UPS facility to the northeast.	
	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 34
Description: View of Jurisdictional Wetland 1, facing southwest from study area boundary. Photograph is taken facing down gradient.	

	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 35</p>
	<p>Description: View of upland area, facing up gradient towards UPS facility to the northeast.</p>
	<p>Date: 12/16/2025</p>
	<p>Taken By: Olivia Roach</p>
	<p>Photograph 36</p>
	<p>Description: View of Jurisdictional Tributary 2 facing upstream. Photograph is taken near the northeast boundary of the study area, facing west.</p>

	Date: 12/16/2025
	Taken By: Olivia Roach
	Photograph 37
	Description: View of Jurisdictional Tributary 2, facing downstream. Photograph is taken near the northeast boundary of the study area, facing east.