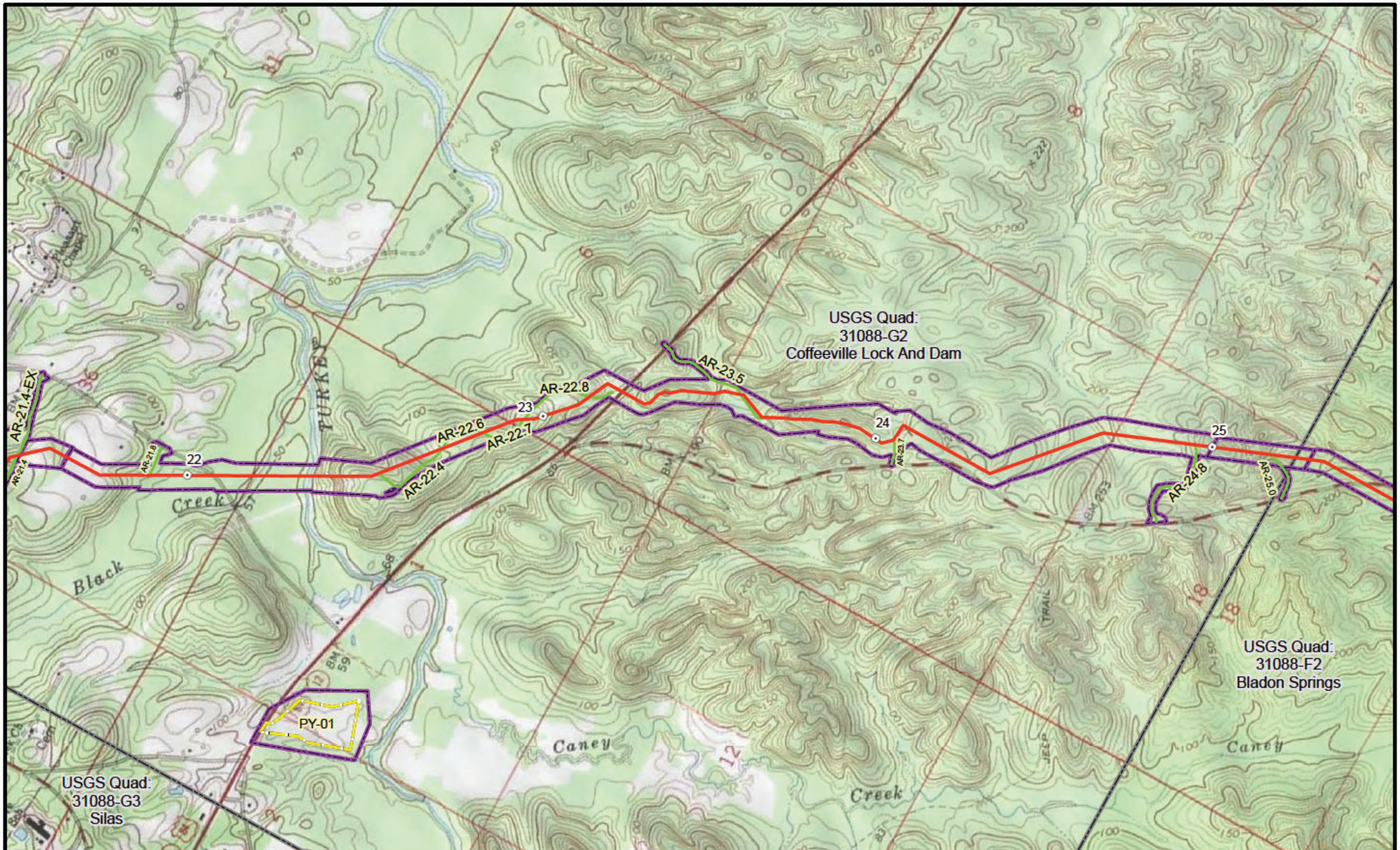

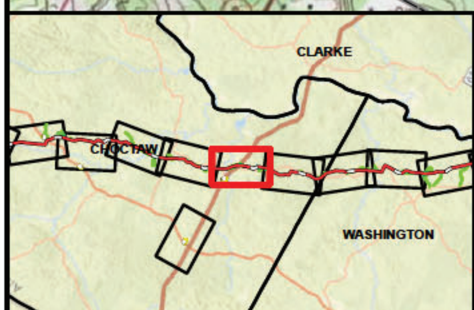

Legend

- Milepost
- Proposed Pipeline
- Access Road
- Pipe Yard
- Survey Area
- USGS Quadrange

0 1,000 2,000
Feet

Scale: 1 24,000
Page 7 of 16

NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 2
USGS Topographic Site Maps

Choctaw and Washington Counties, Alabama

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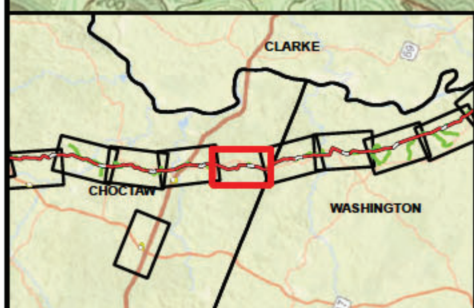

Legend

- Milepost
- Proposed Pipeline
- Access Road
- Pipe Yard
- Survey Area
- USGS Quadrange

0 1,000 2,000
Feet

Scale: 1 24,000 Page 8 of 16

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Lowman Pipeline Project

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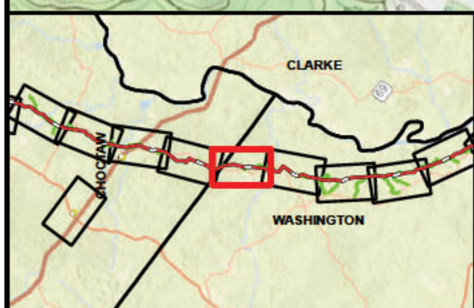

Legend

- Milepost
- Proposed Pipeline
- Access Road
- Pipe Yard
- Survey Area
- USGS Quadrange

N

0 1,000 2,000
Feet

Scale: 1 24,000 Page 9 of 16

NEXTera ENERGY

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Lowman Pipeline Project

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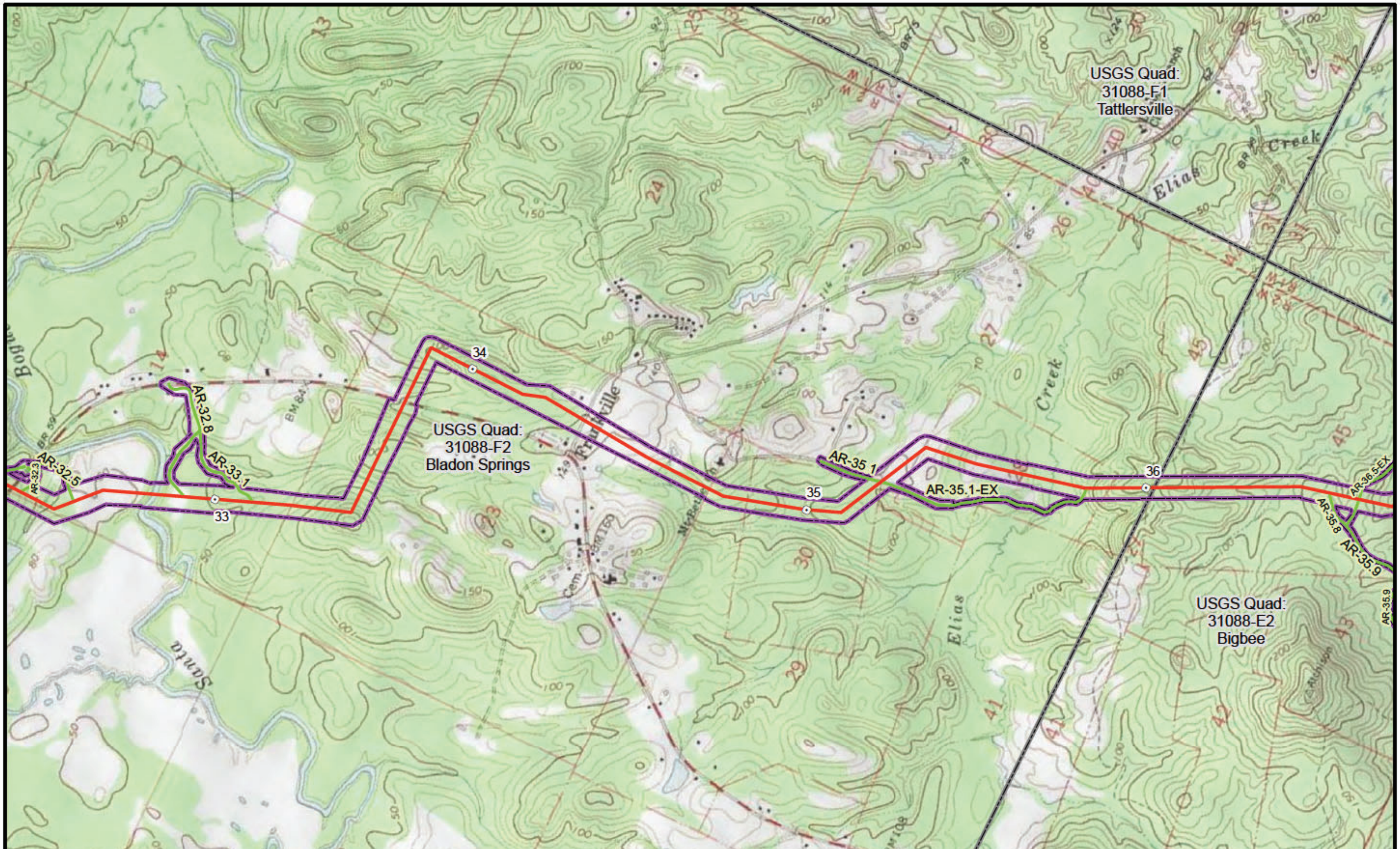

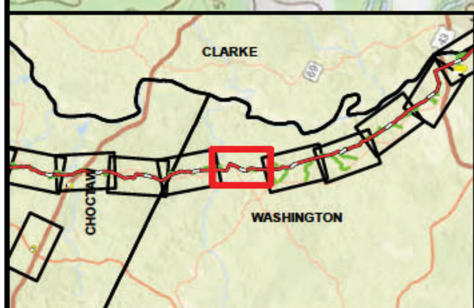

Legend

- Milepost
- Proposed Pipeline
- Access Road
- Pipe Yard
- Survey Area
- USGS Quadrange

0 1,000 2,000
Feet

Scale: 1 24,000

NEXTera ENERGY
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Lowman Pipeline Project

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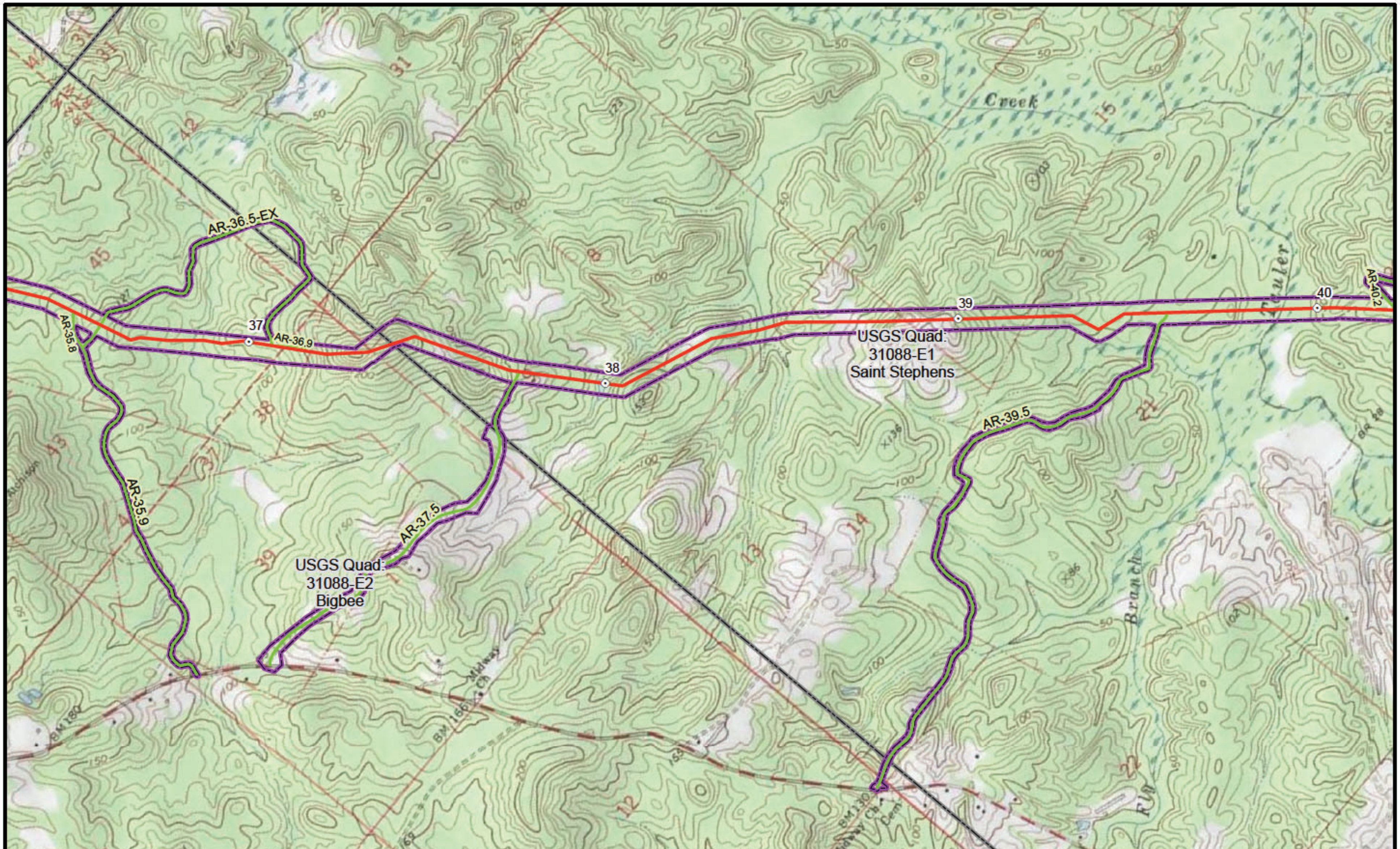

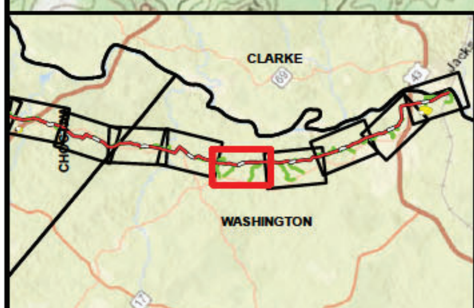

Legend

Milepost	Pipe Yard
Proposed Pipeline	Survey Area
Access Road	USGS Quadrange

0 1,000 2,000
Feet

Scale: 1 24,000 Page 11 of 16

NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

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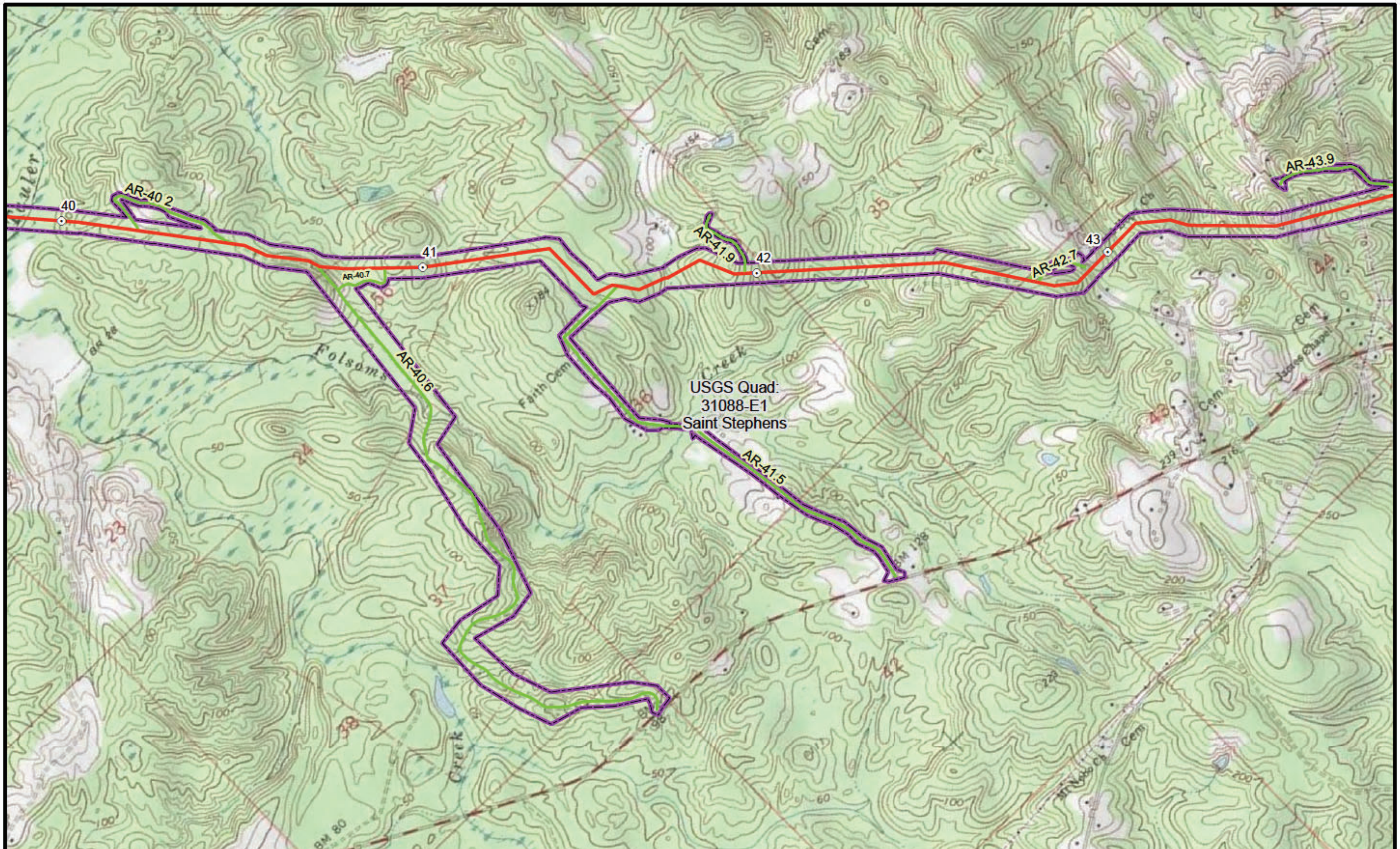

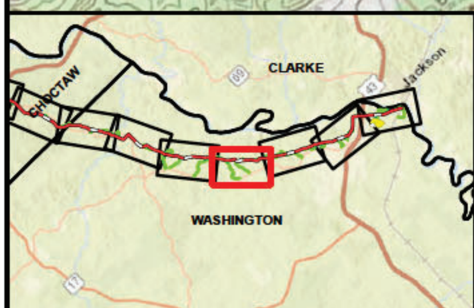

Legend

- Milepost
- Proposed Pipeline
- Access Road
- Pipe Yard
- Survey Area
- USGS Quadrange

0 1,000 2,000
Feet

Scale: 1 24,000 Page 12 of 16

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Lowman Pipeline Project

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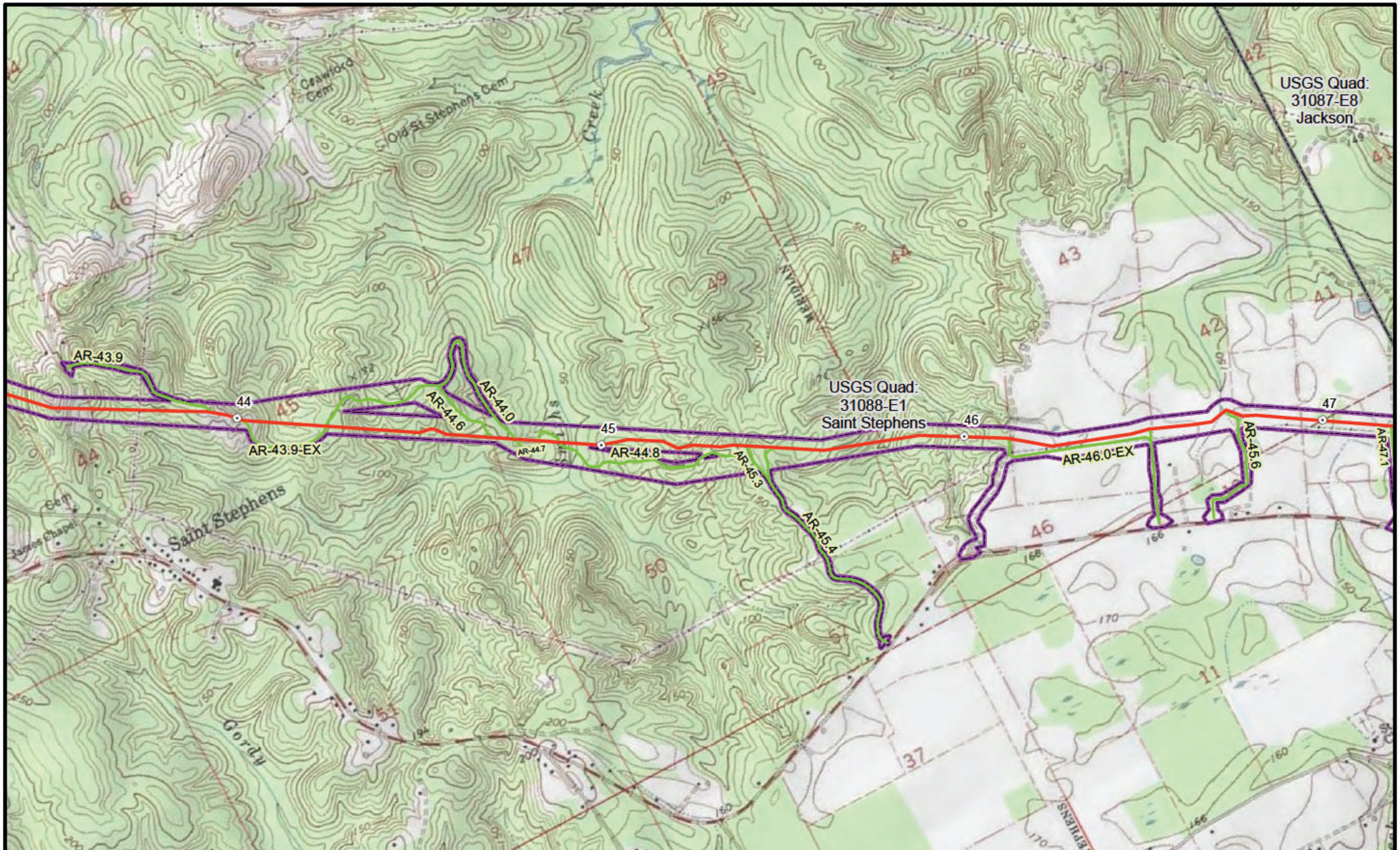

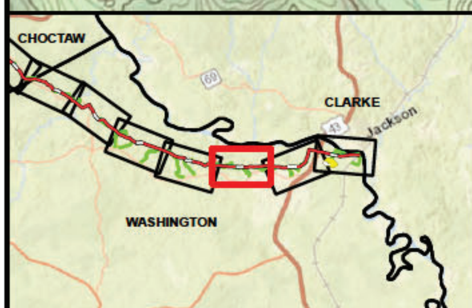

Legend

Milepost	Pipe Yard
Proposed Pipeline	Survey Area
Access Road	USGS Quadrange

N

0 1,000 2,000
Feet

Scale: 1 24,000

NEXTera ENERGY

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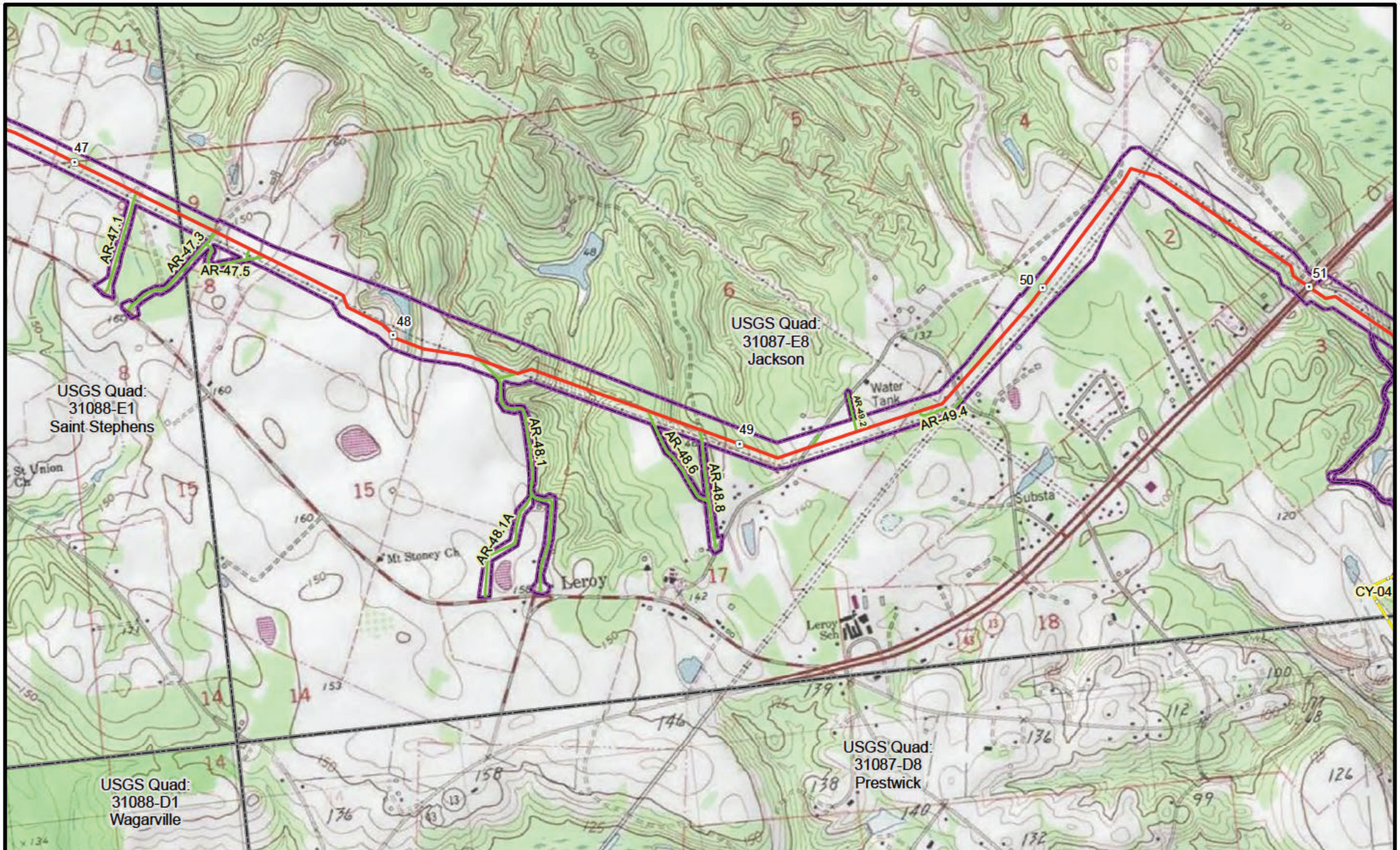

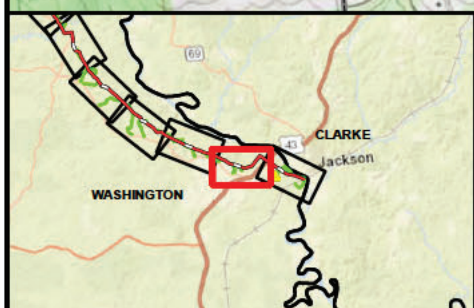

Legend

- Milepost
- Proposed Pipeline
- Access Road
- Pipe Yard
- Survey Area
- USGS Quadrange

N

0 1,000 2,000
Feet

Scale: 1 24,000

NEXTera ENERGY

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Lowman Pipeline Project

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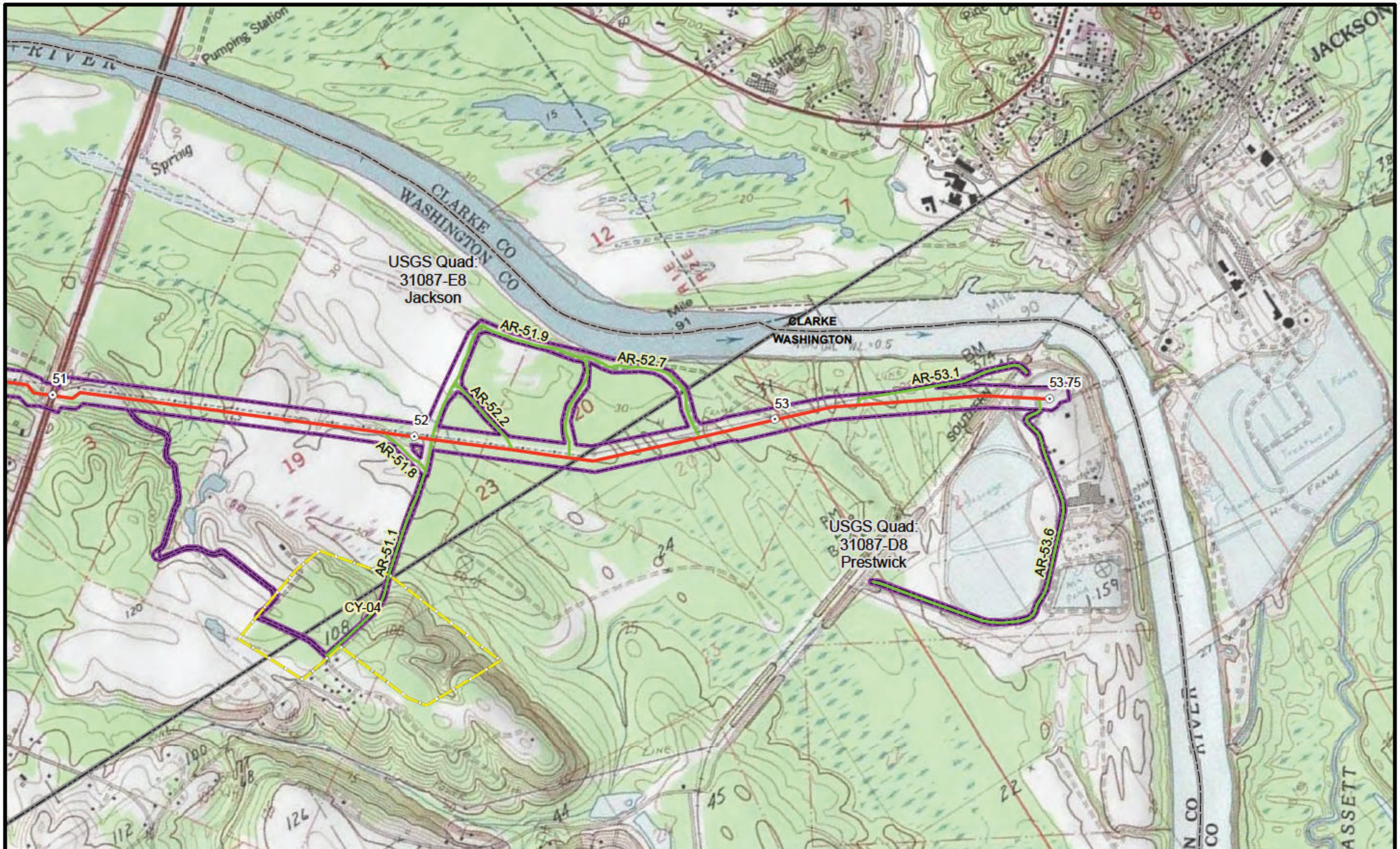

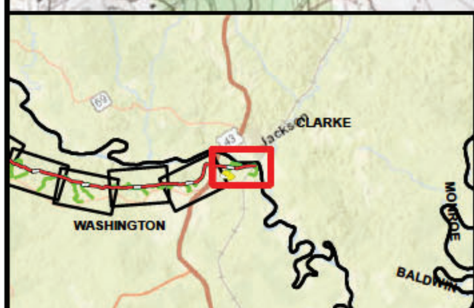

Legend

- Milepost
- Proposed Pipeline
- Access Road
- Pipe Yard
- Survey Area
- USGS Quadrange

0 1,000 2,000
Feet

Scale: 1 24,000

NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

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Choctaw and Washington Counties, Alabama

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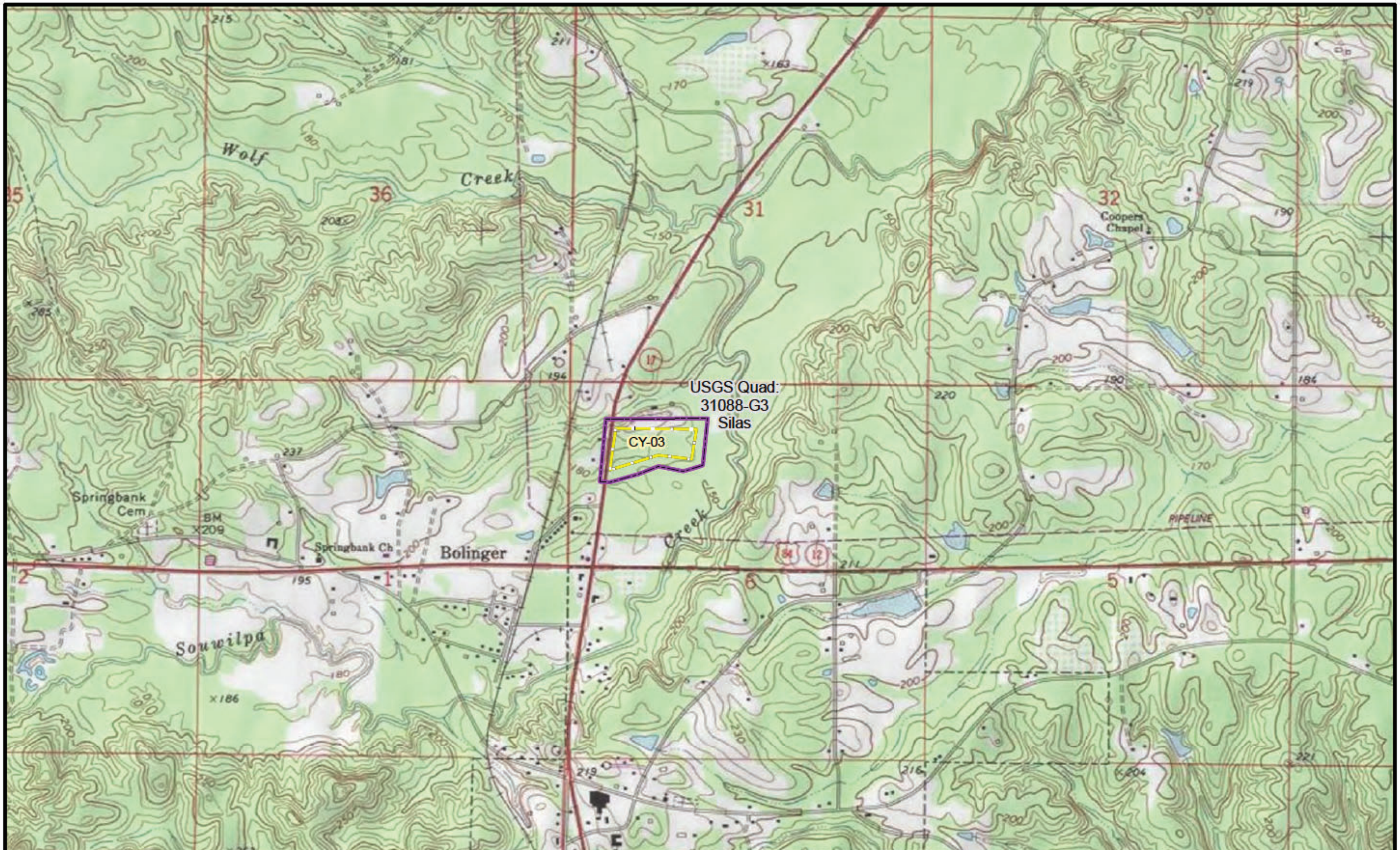

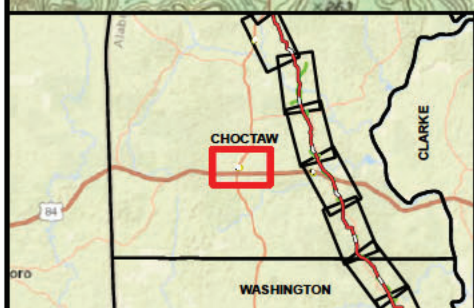

Legend

- Milepost
- Proposed Pipeline
- Access Road
- Pipe Yard
- Survey Area
- USGS Quadrange

N

0 1,000 2,000
Feet

Scale: 1 24,000

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

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USGS Topographic Site Maps

Choctaw and Washington Counties, Alabama

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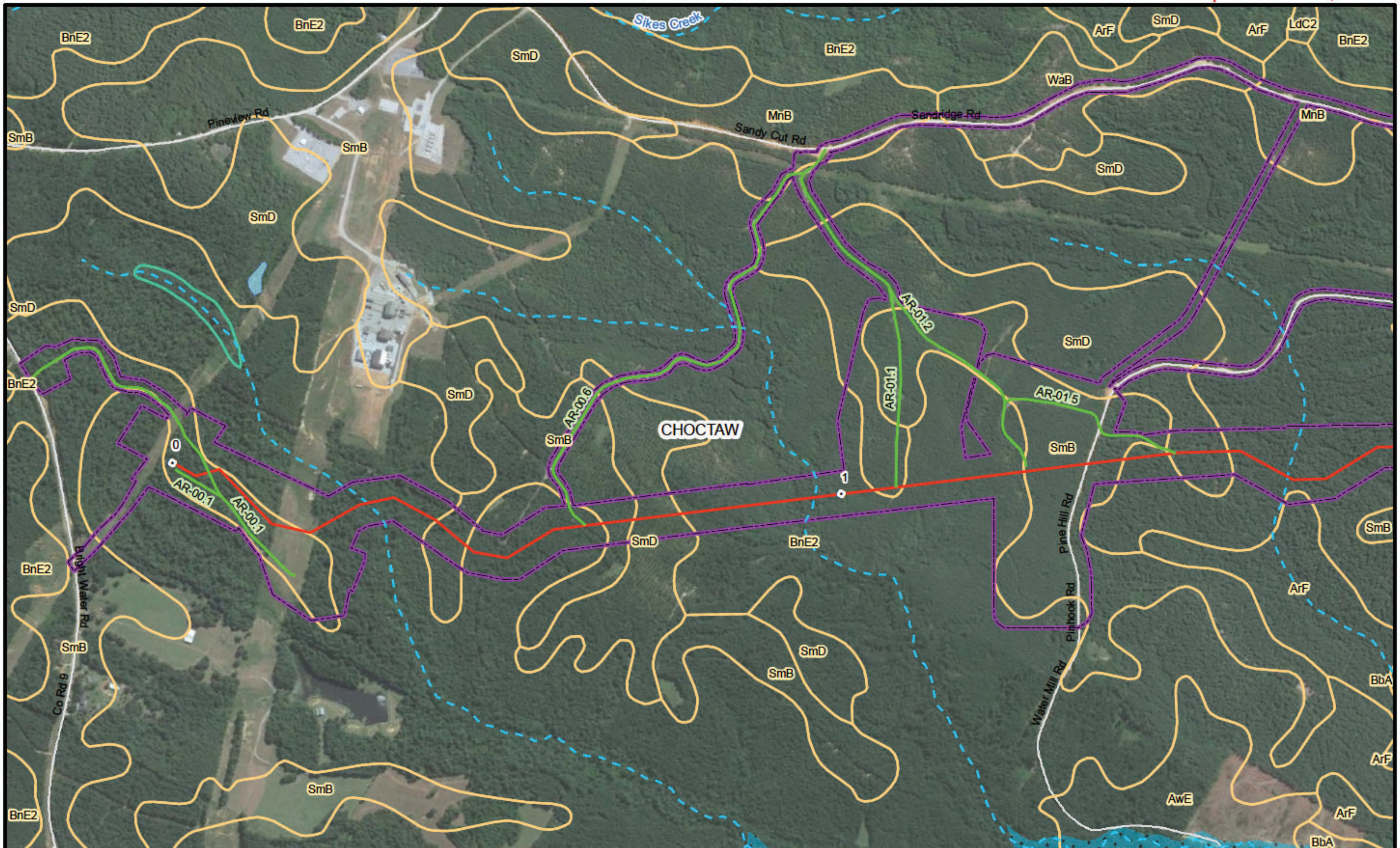
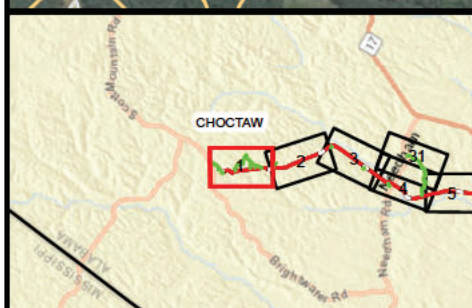
Figure 3
SSURGO Soils/NWI Maps

FOIA Note: Dated September 30, 2020





Legend

- Proposed Pipeline
- Access Road
- Pipe Yard/Contractor Yard
- Survey Area
- Perennial Stream (NHD)
- Intermittent Stream (NHD)
- Lake/Pond (NHD)
- Emergent Wetland (NWI)
- Forested/Shrub Wetland (NWI)
- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000
Feet

Scale: 1:12,000 Page 1 of 35

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

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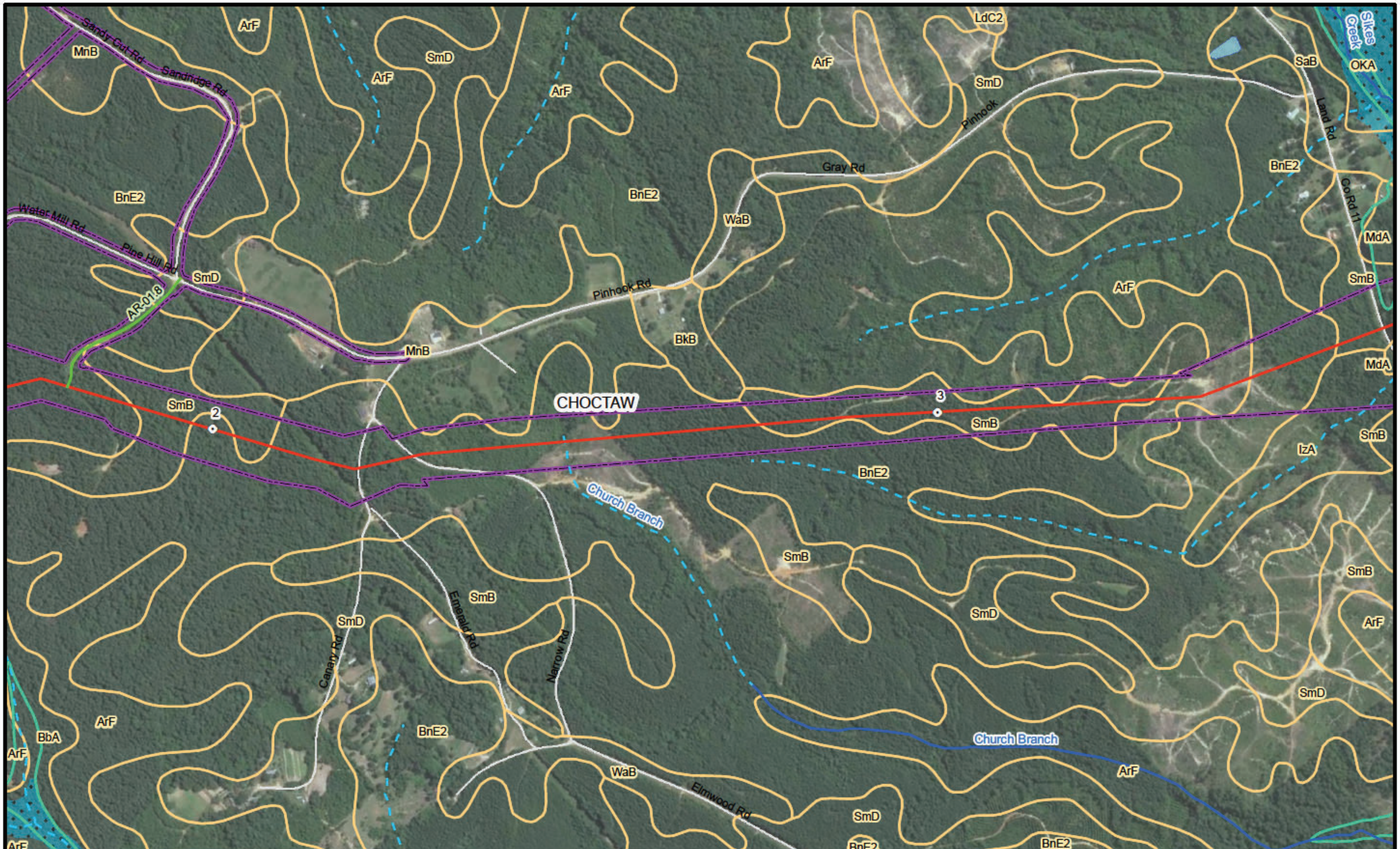

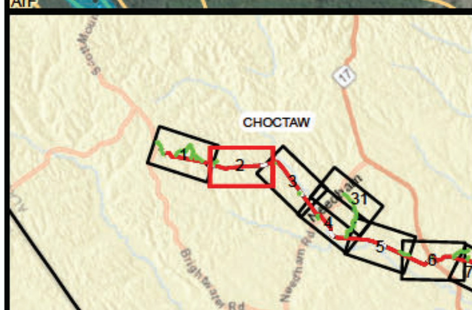

Legend

- Proposed Pipeline
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- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000

Feet

Scale: 1:12,000 Page 2 of 35

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

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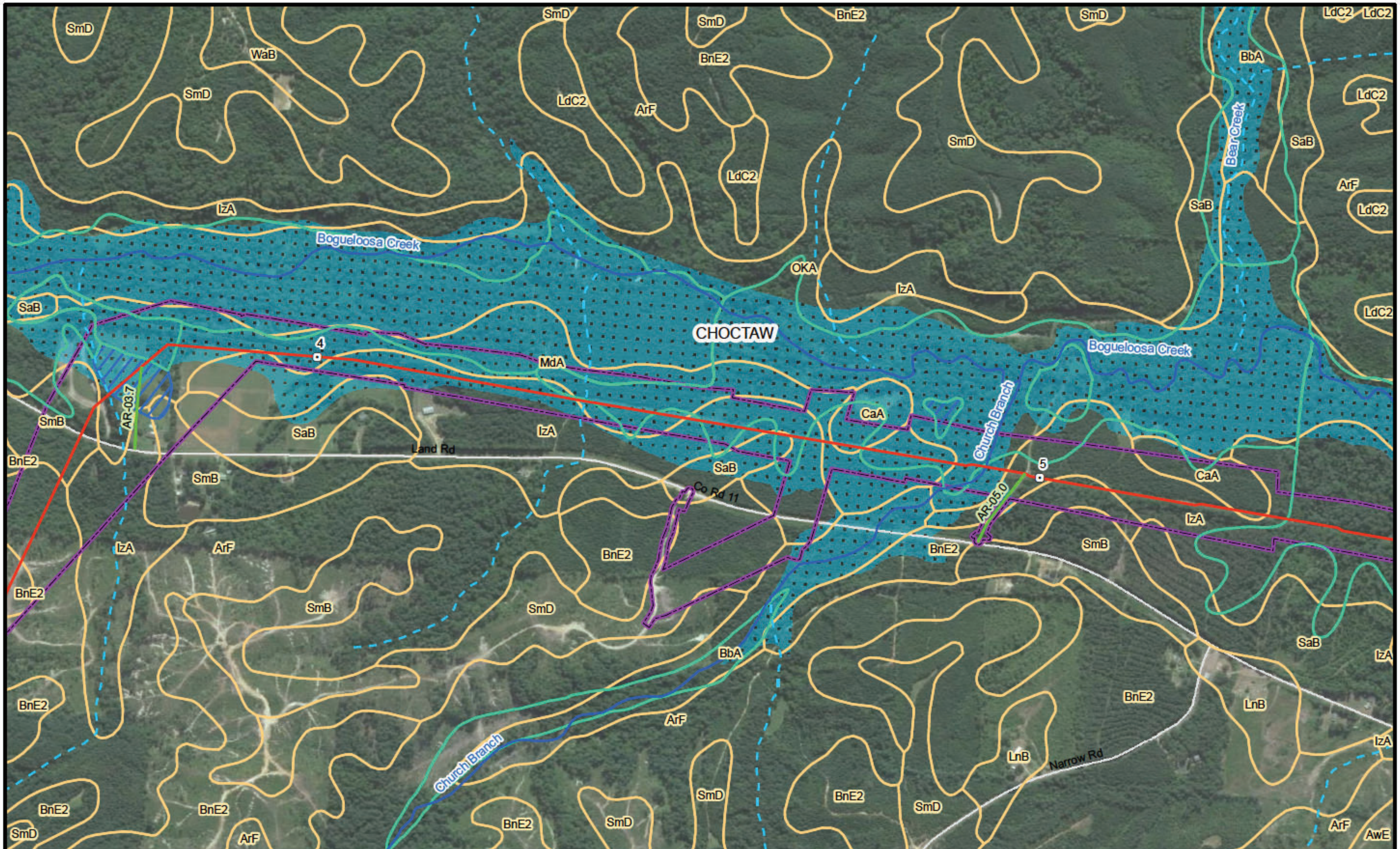

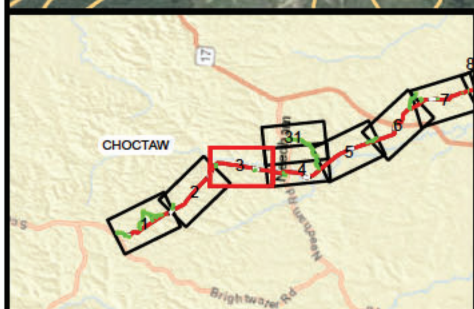

Legend

- Proposed Pipeline
- Access Road
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- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000

Feet

Scale: 1:12,000 Page 3 of 35

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

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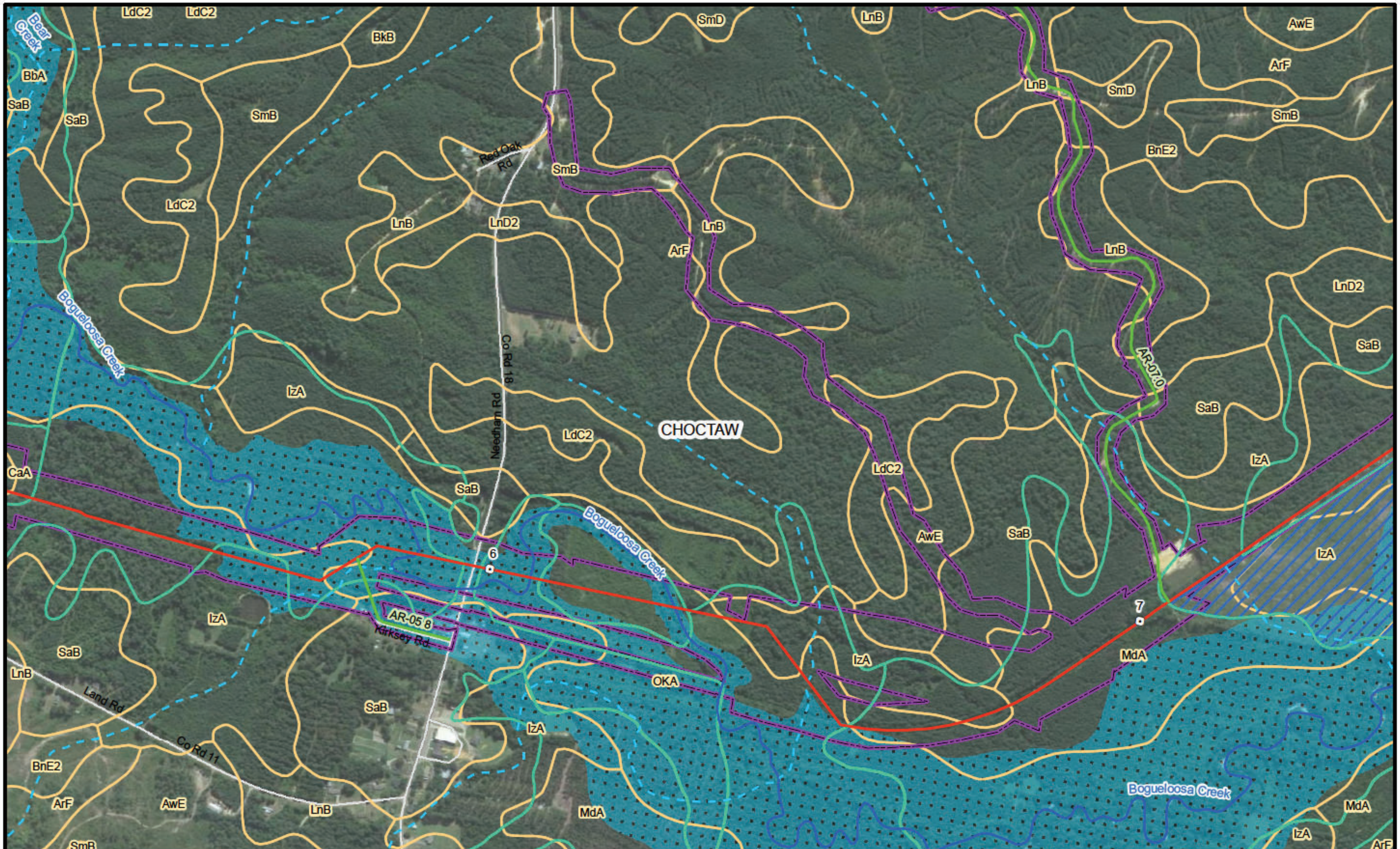

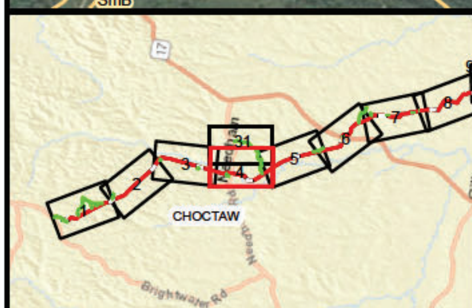

Legend

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SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000
Feet

Scale: 1:12,000 Page 4 of 35

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Lowman Pipeline Project

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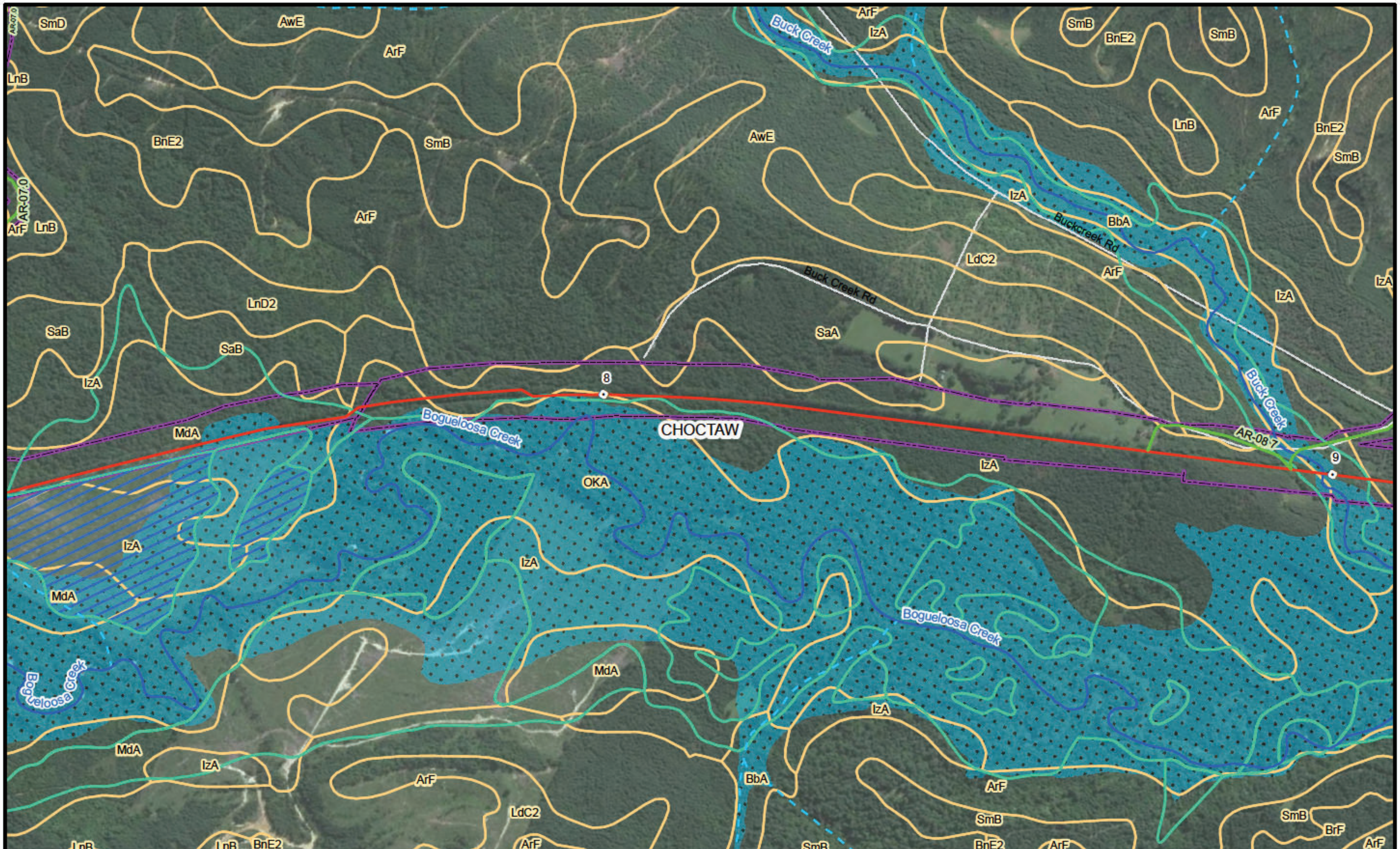

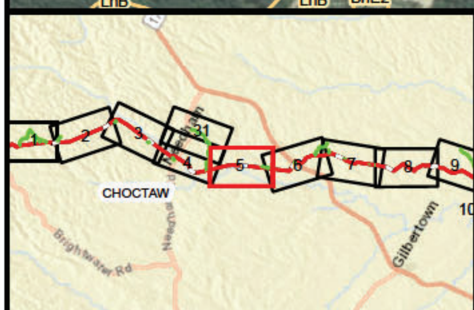

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SSURGO Soils

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N

0 500 1,000
Feet

Scale: 1:12,000 Page 5 of 35

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Lowman Pipeline Project

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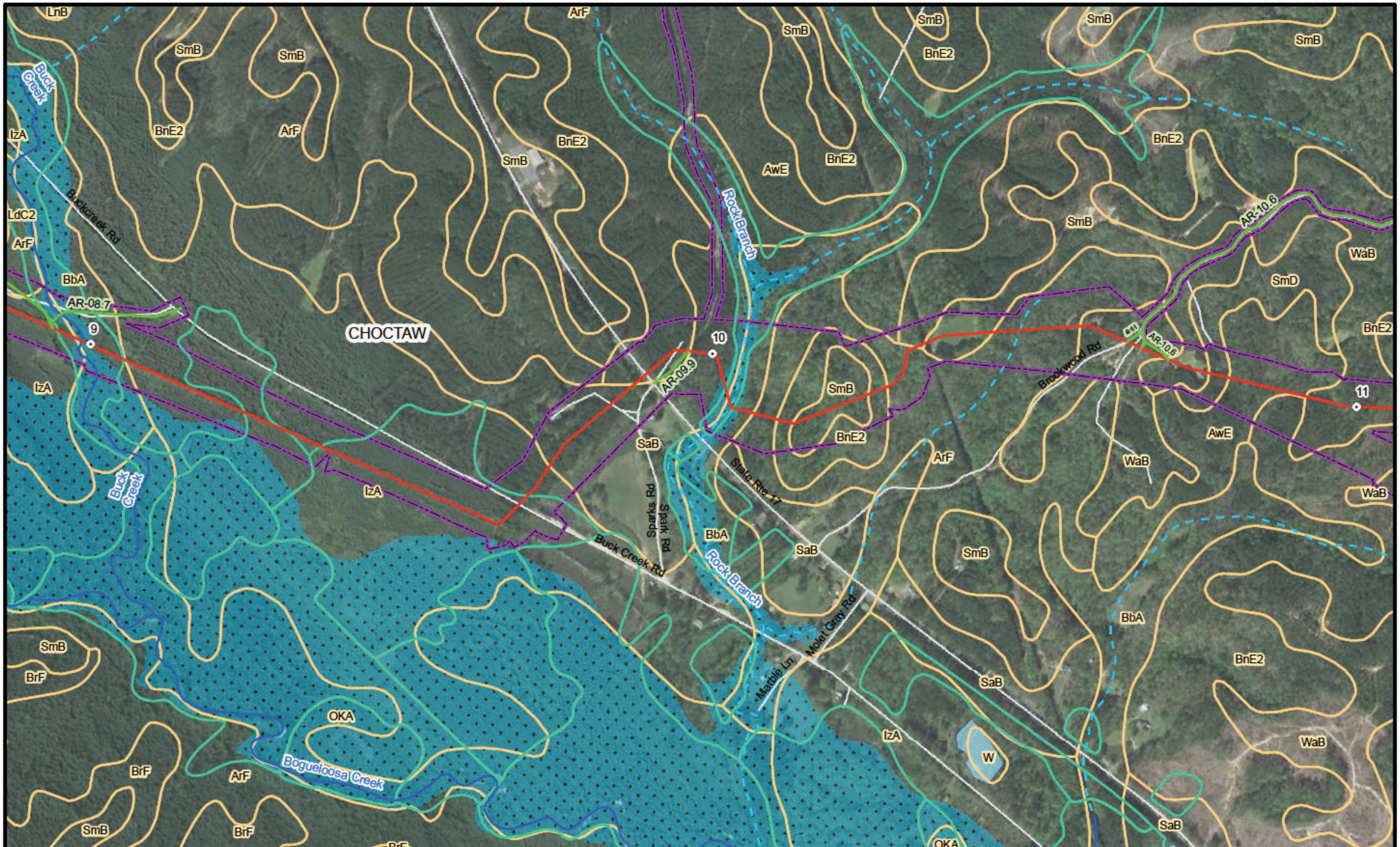

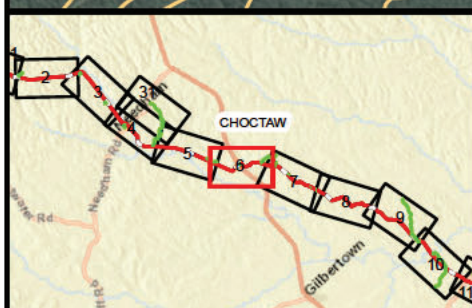

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SSURGO Soils

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N

0 500 1,000

Feet

Scale: 1:12,000 Page 6 of 35

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Lowman Pipeline Project

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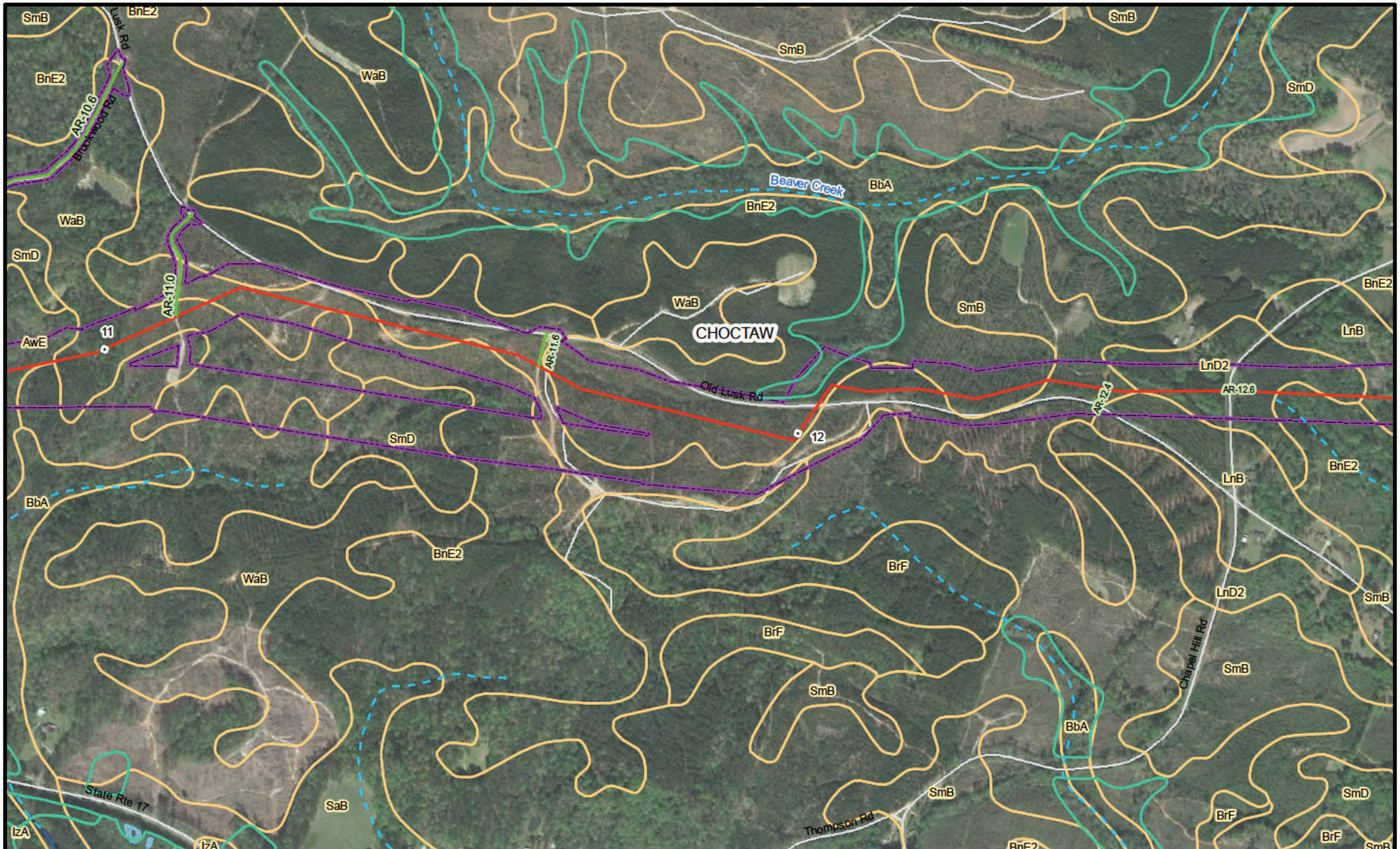
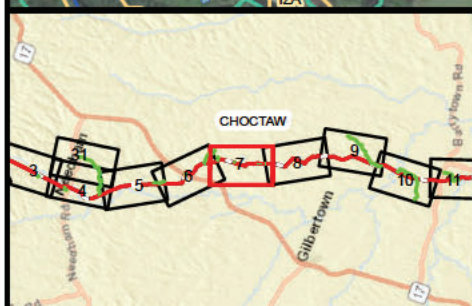
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama





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N

0 500 1,000

Feet

Scale: 1:12,000

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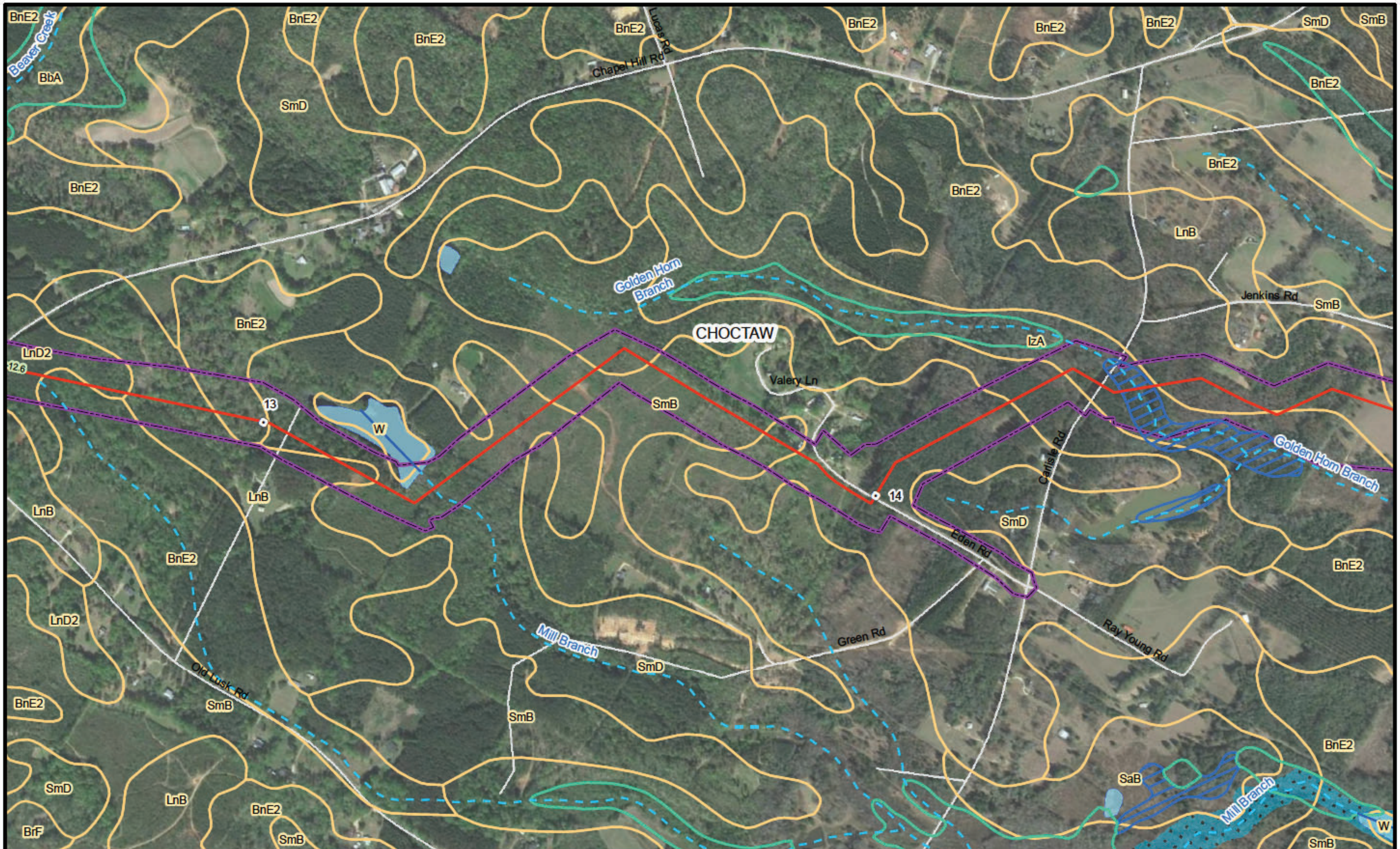

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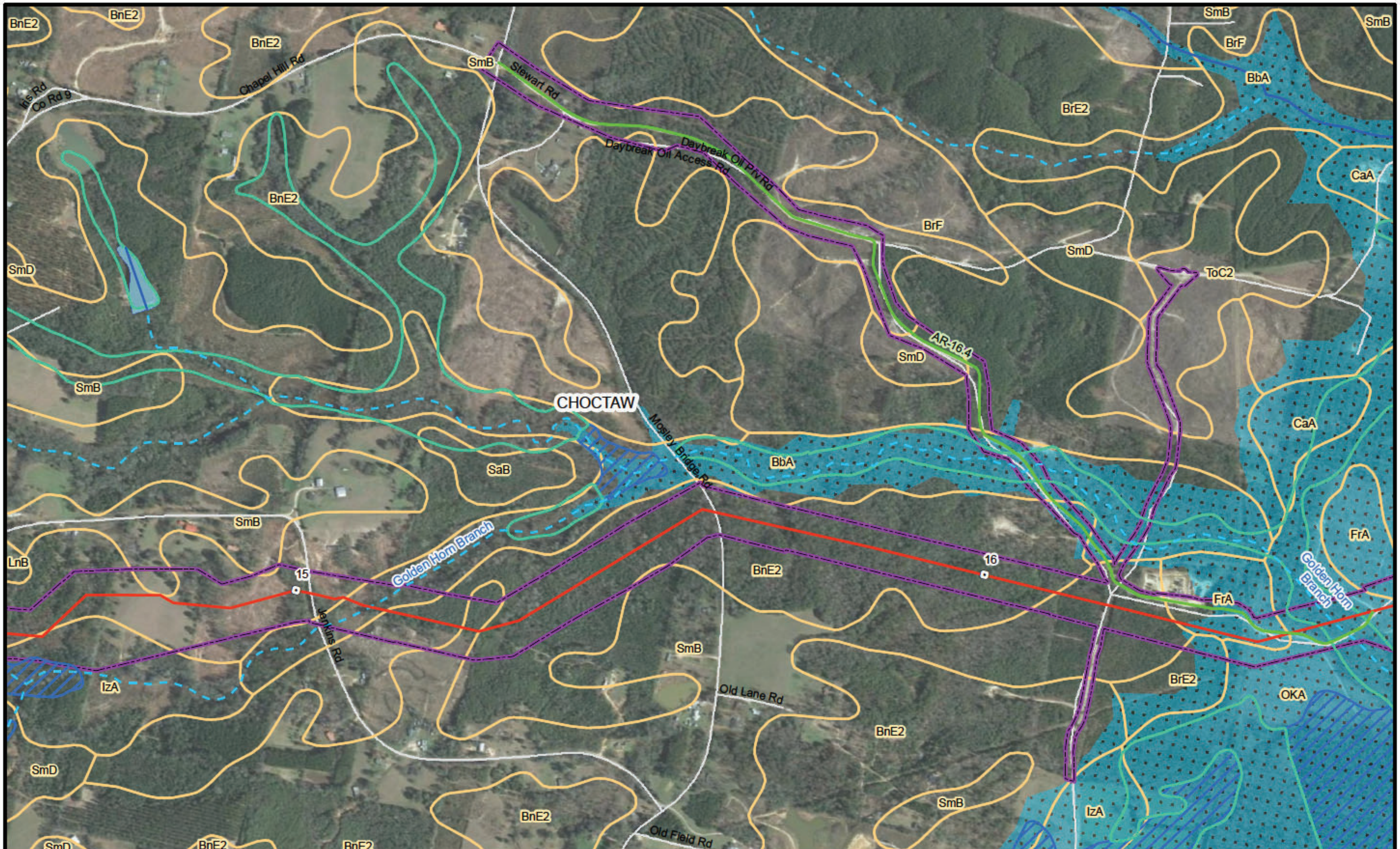

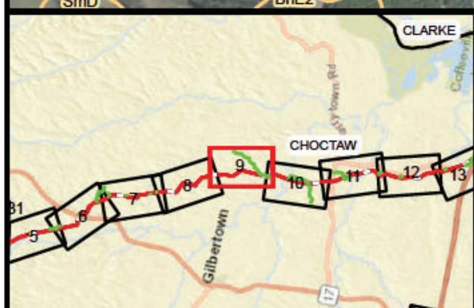

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Feet

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Lowman Pipeline Project

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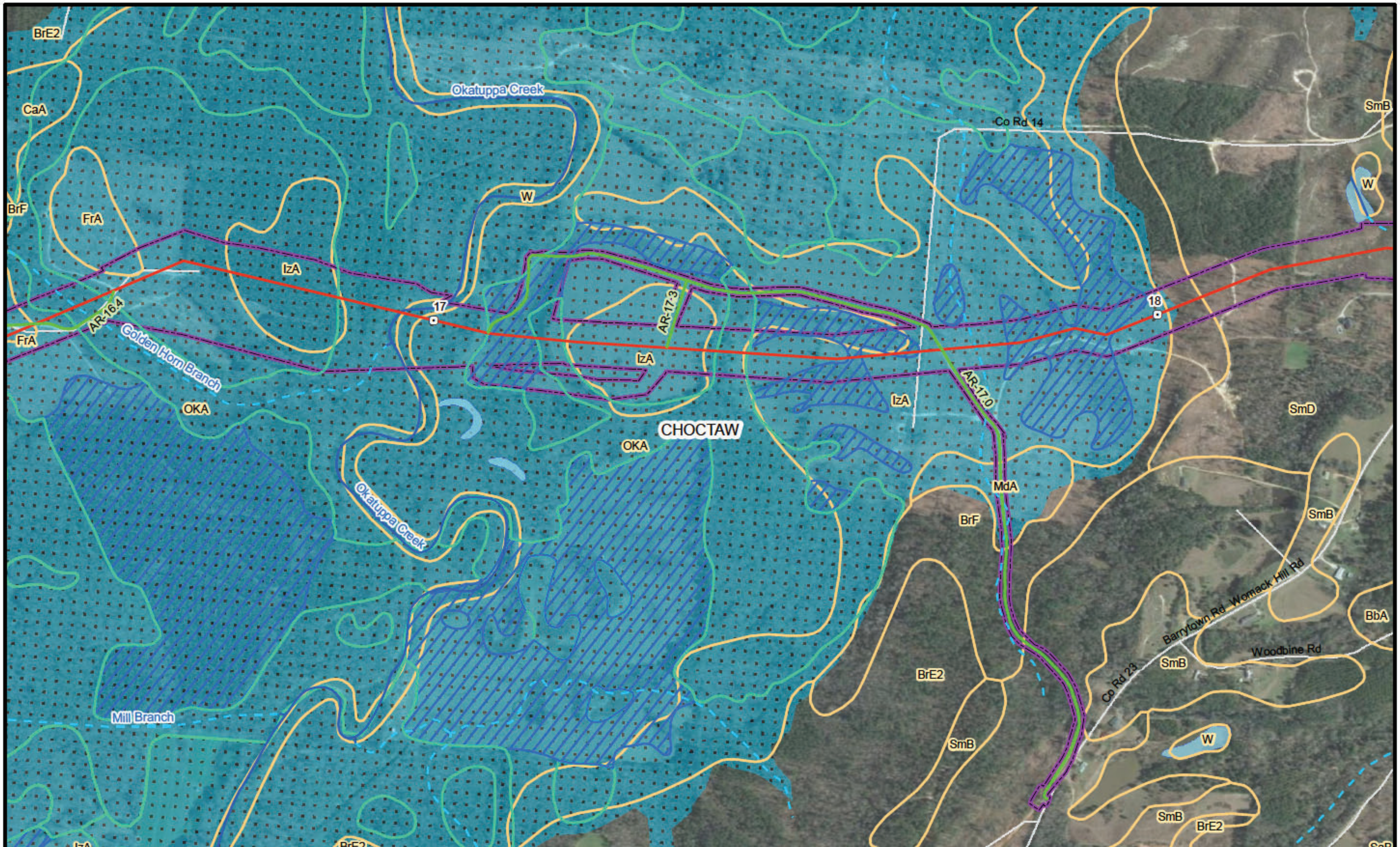

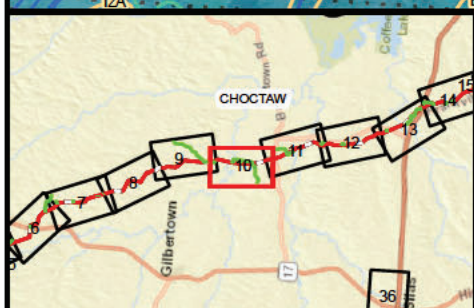

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SSURGO Soils

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0 500 1,000
Feet

Scale: 1:12,000 Page 10 of 35

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

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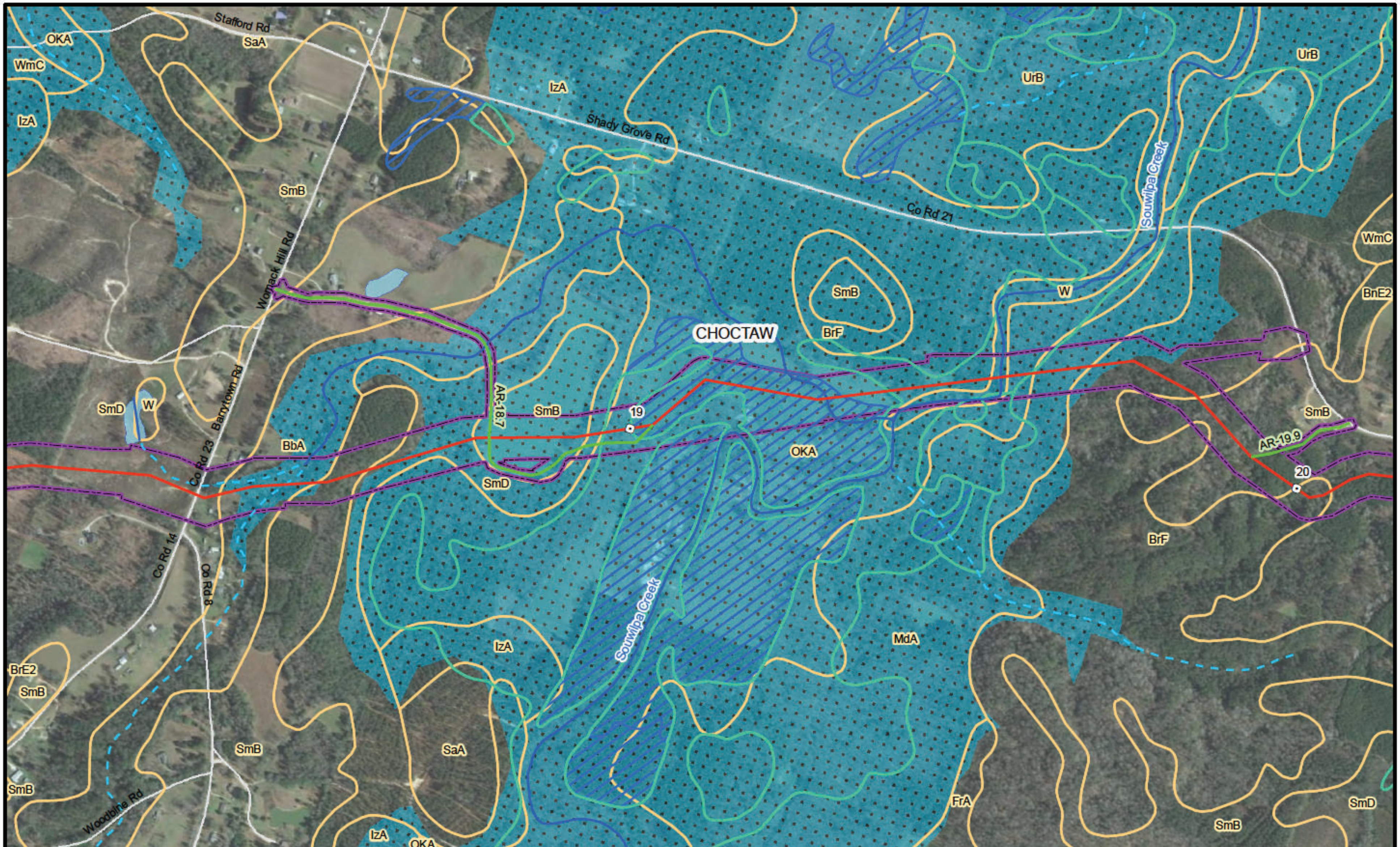
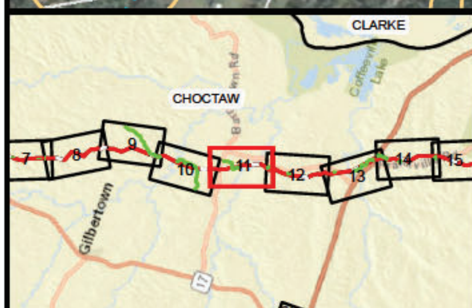




Legend

- Proposed Pipeline
- Access Road
- Pipe Yard/Contractor Yard
- Survey Area
- Perennial Stream (NHD)
- Intermittent Stream (NHD)
- Lake/Pond (NHD)
- Emergent Wetland (NWI)
- Forested/Shrub Wetland (NWI)
- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000

Feet

Scale: 1:12,000

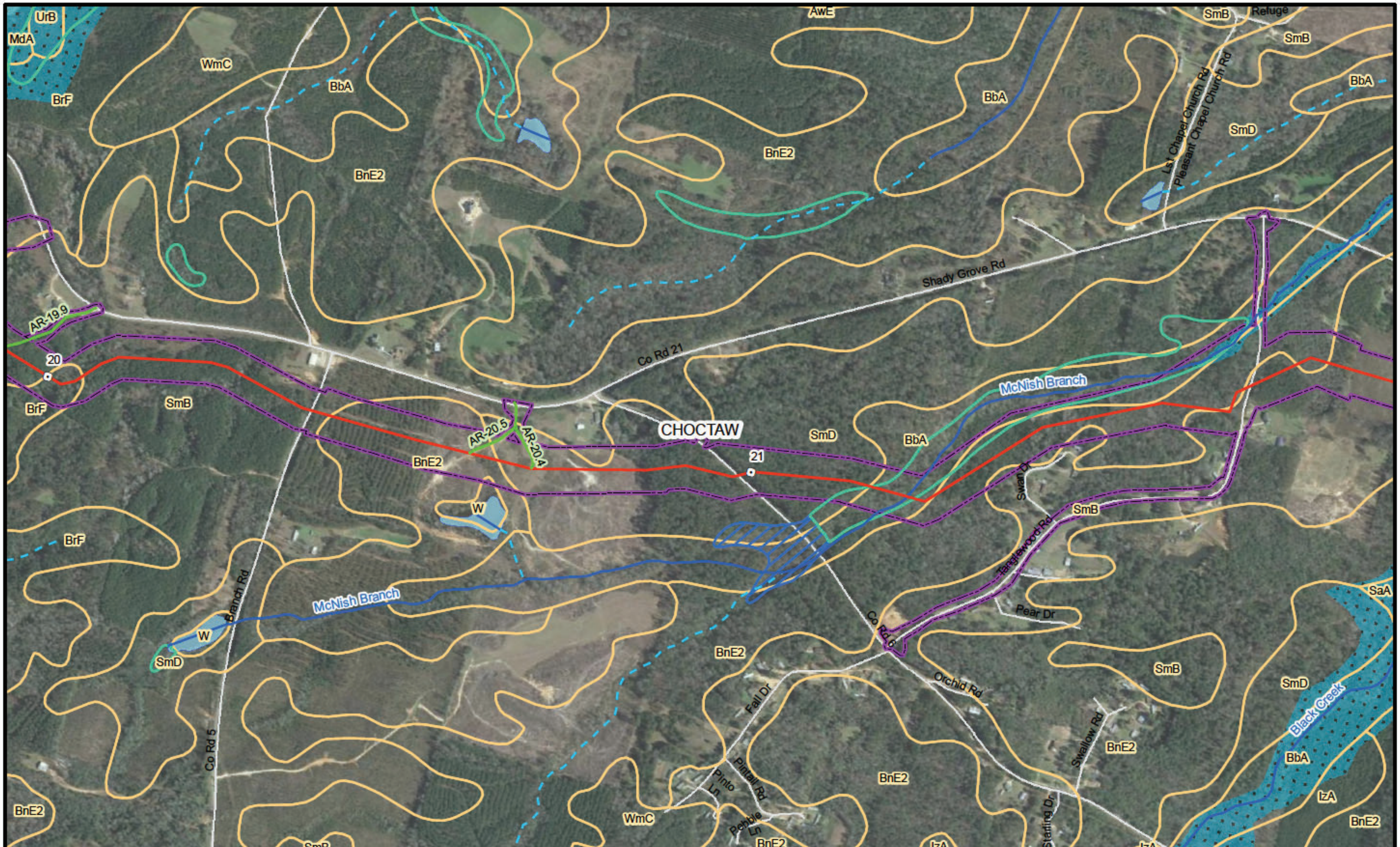
NEXTera ENERGY

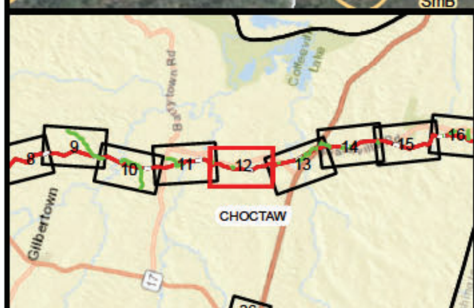
EDGE ENGINEERING & SCIENCE

NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama





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SSURGO Soils

- Non-Hydric
- Hydric

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0 500 1,000
Feet

Scale: 1:12,000 Page 12 of 35

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

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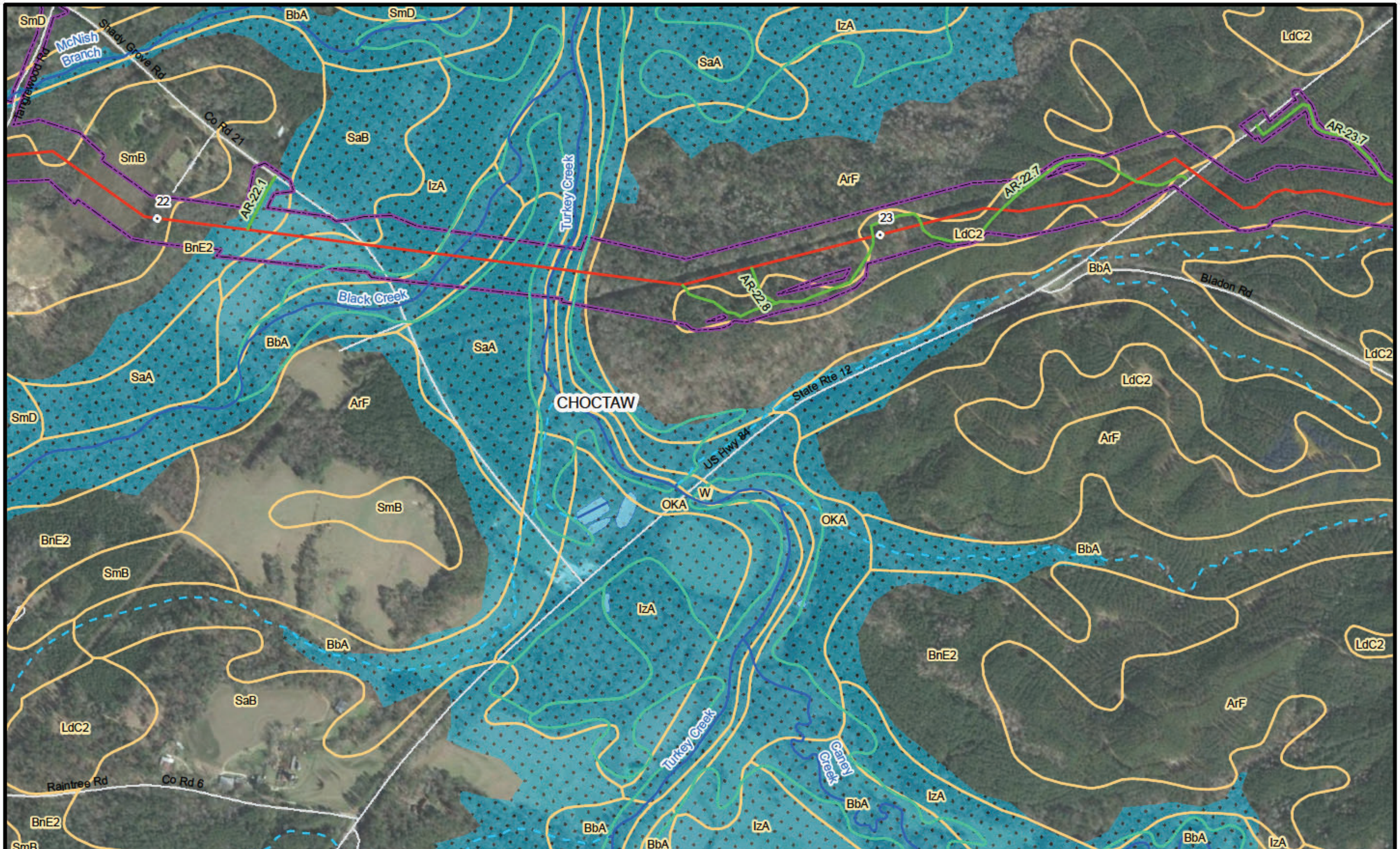

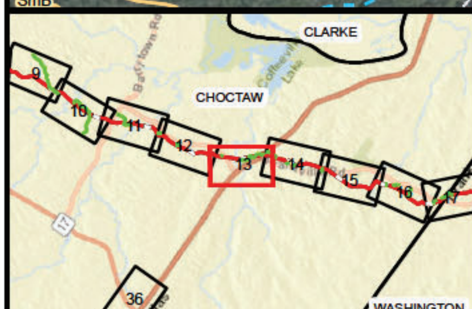

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SSURGO Soils

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Scale: 1:12,000 Page 13 of 35

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Figure 3
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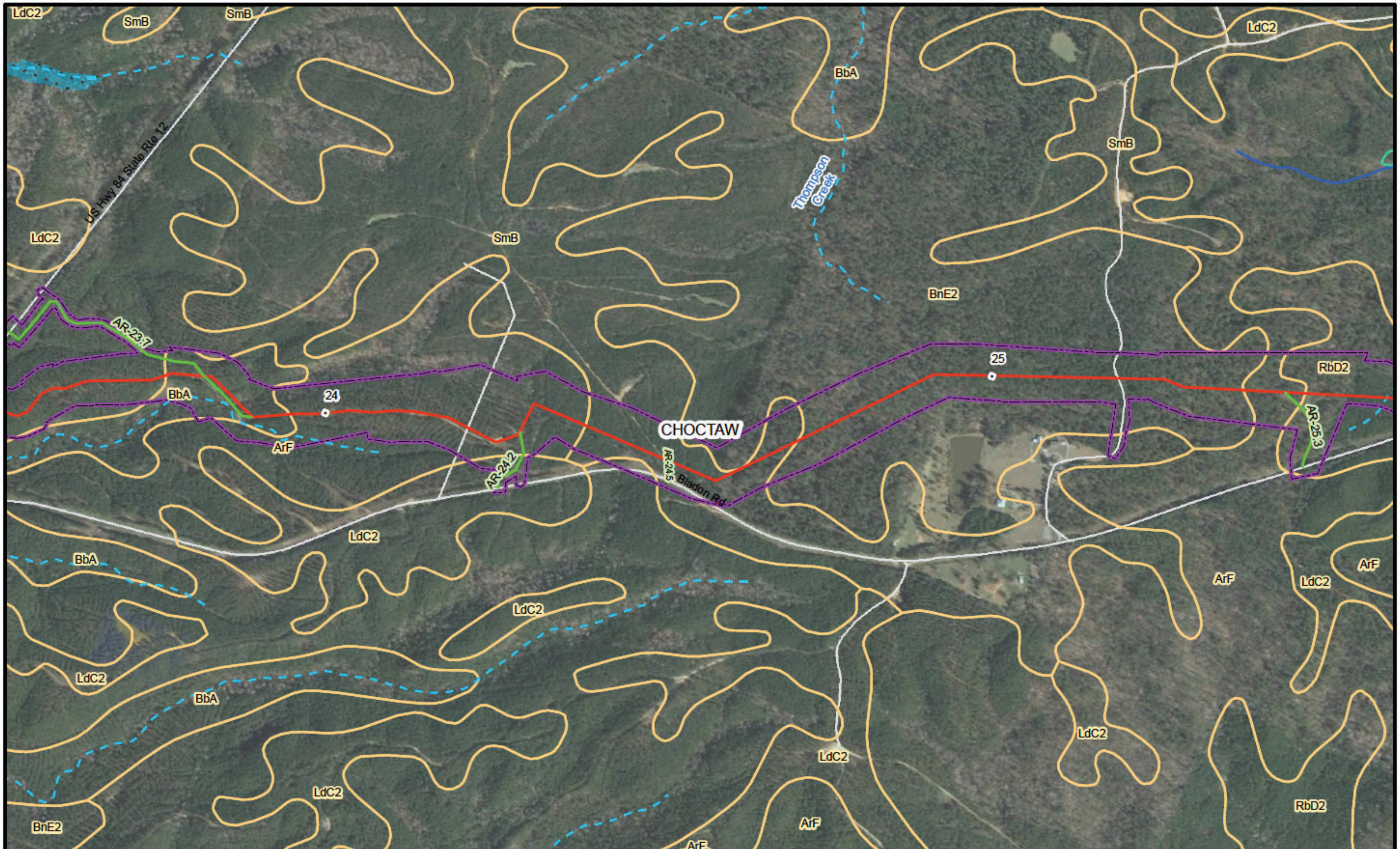

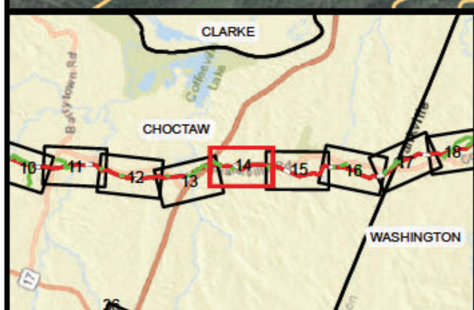

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NEXTera ENERGY

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Lowman Pipeline Project

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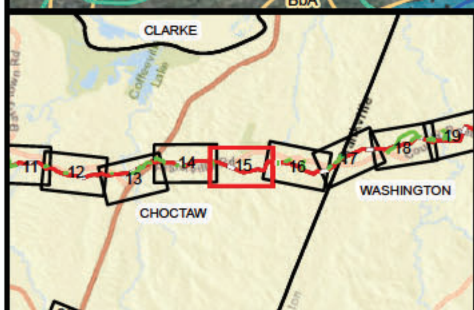

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SSURGO Soils

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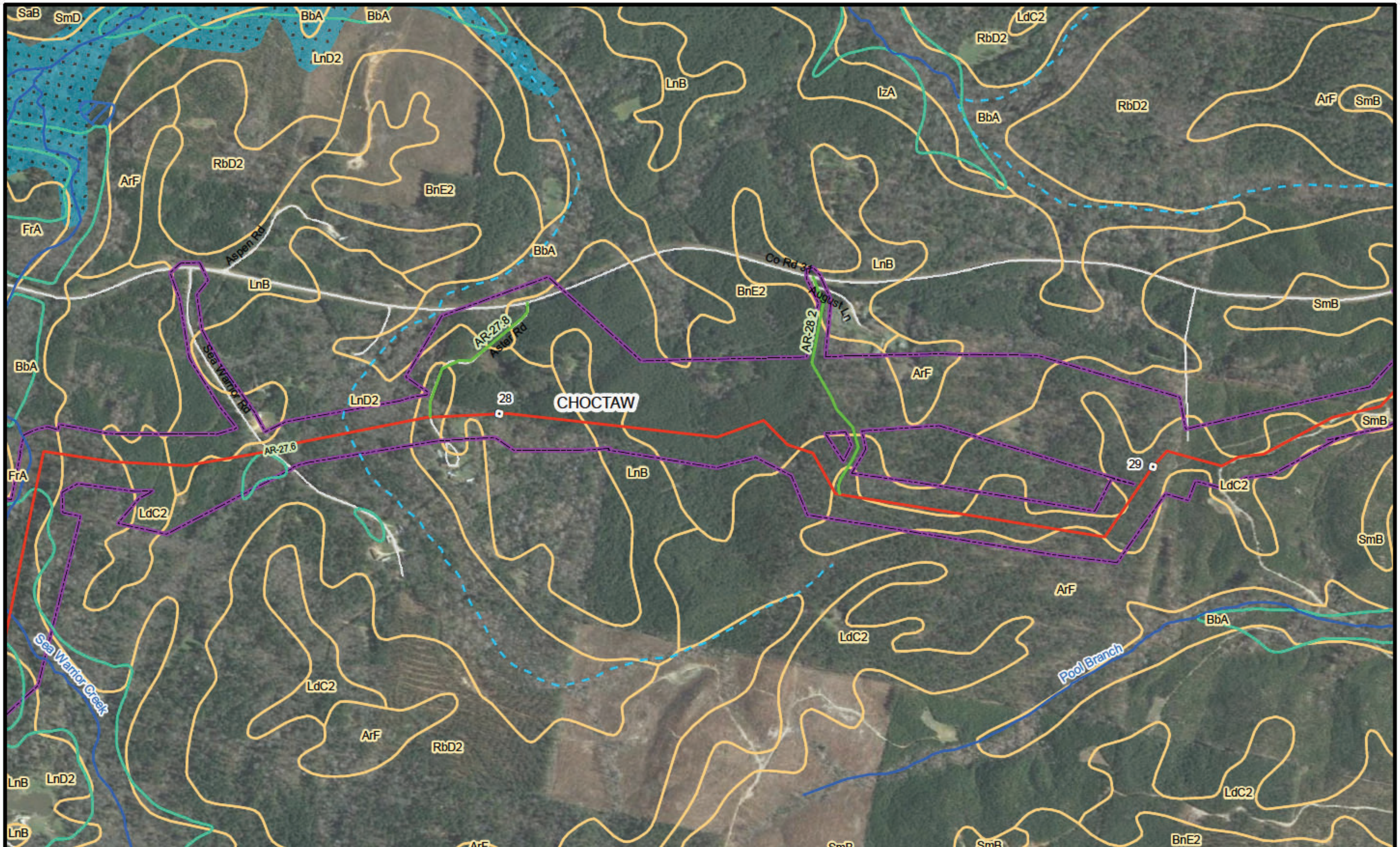

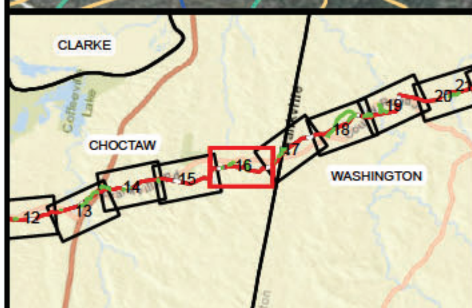

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SSURGO Soils

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Lowman Pipeline Project

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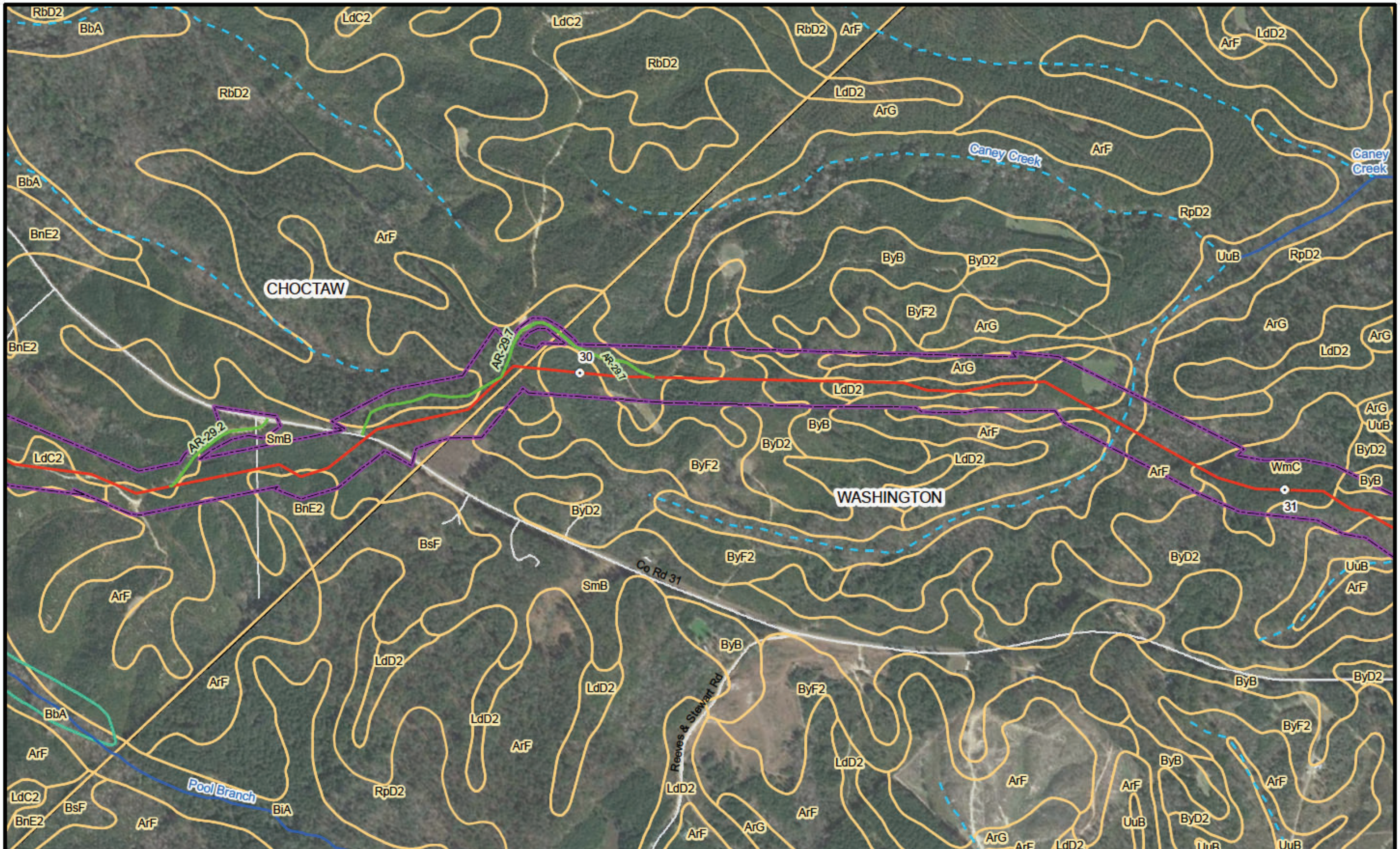

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SSURGO Soils

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Feet

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Lowman Pipeline Project

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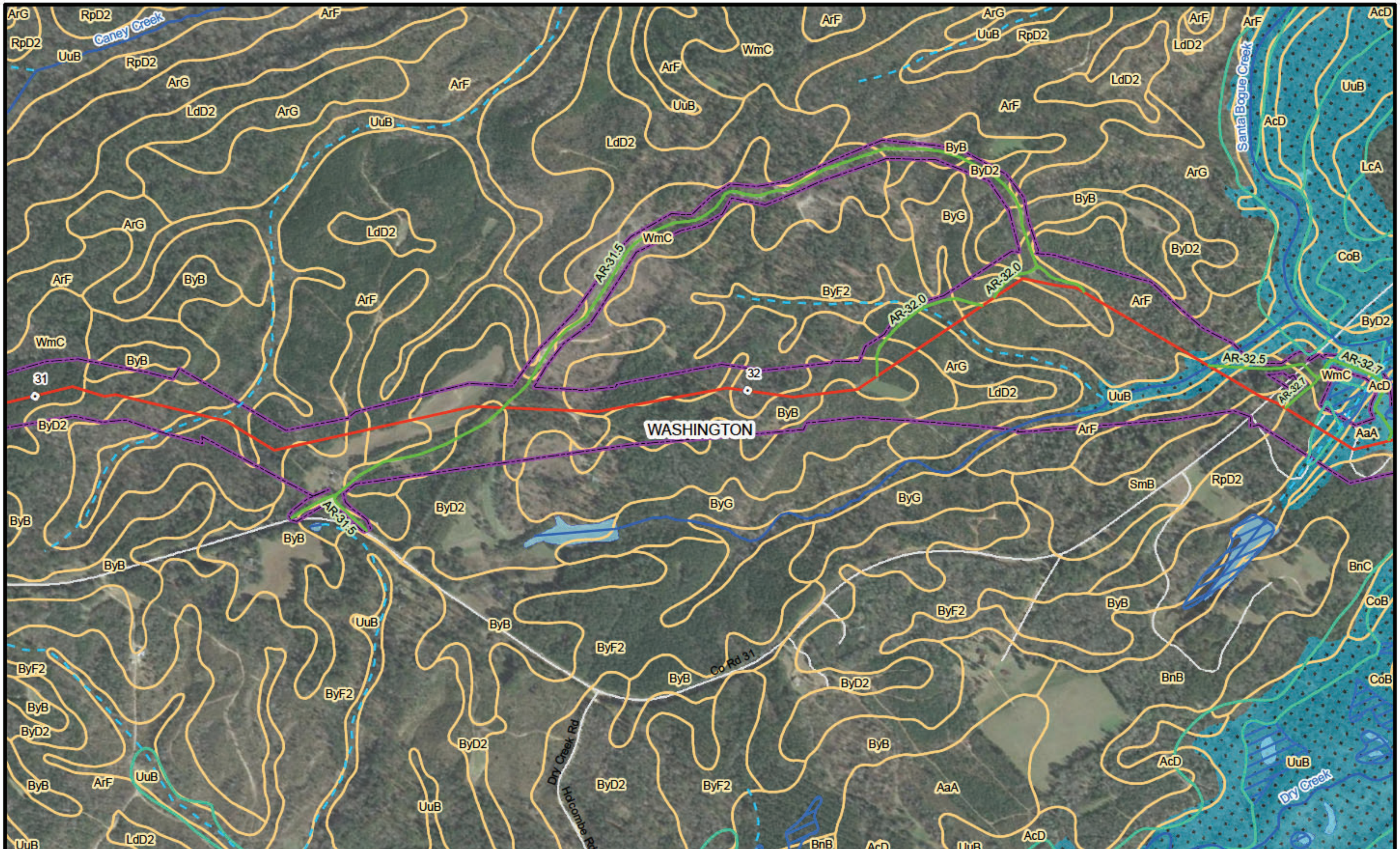

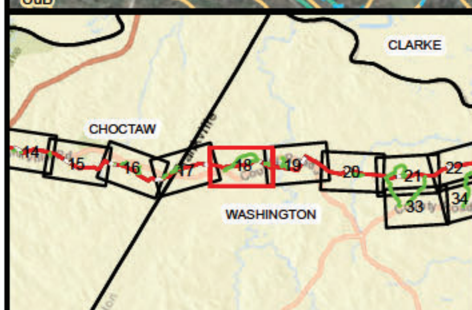

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SSURGO Soils

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Feet

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NextEra Energy

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Lowman Pipeline Project

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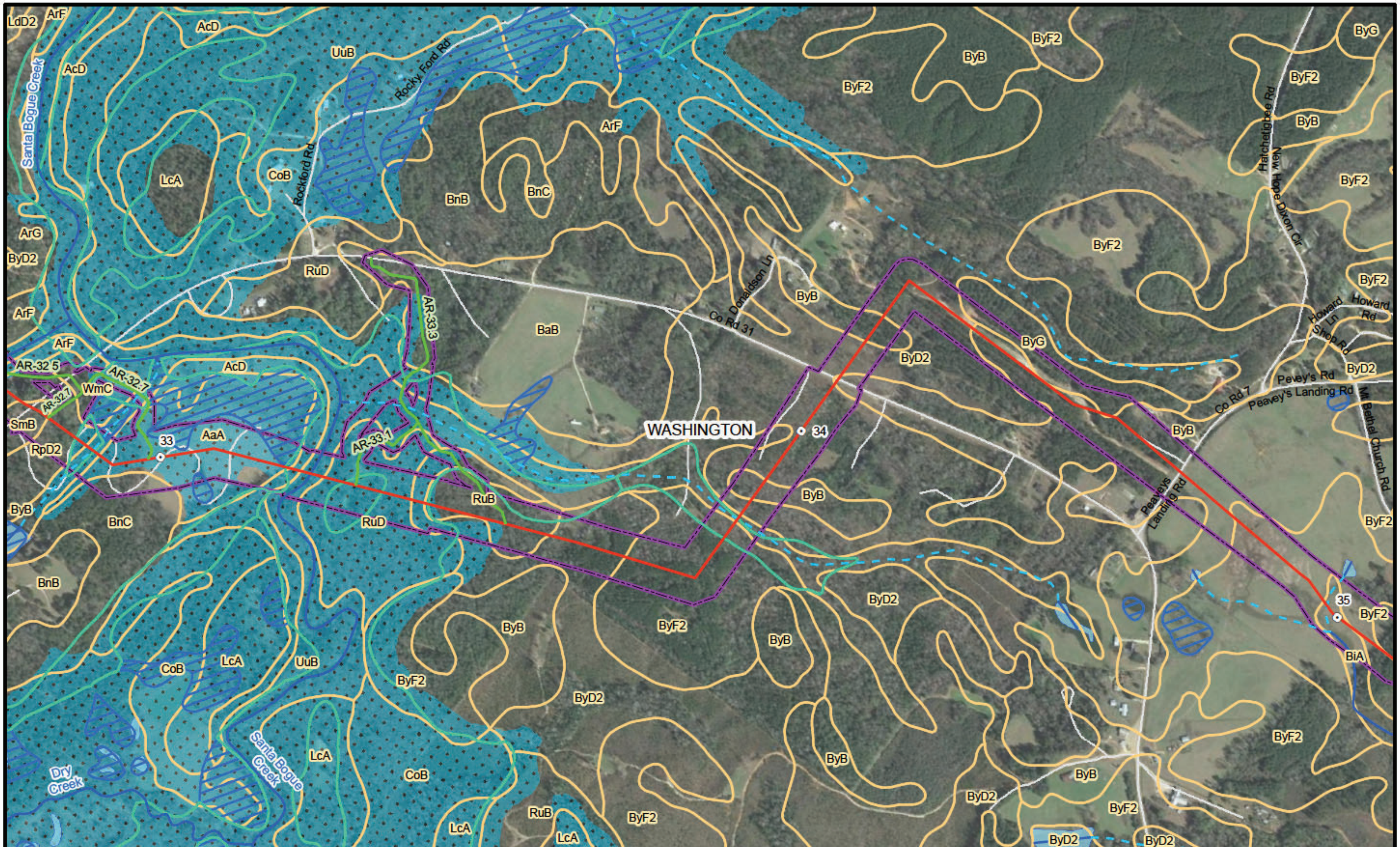

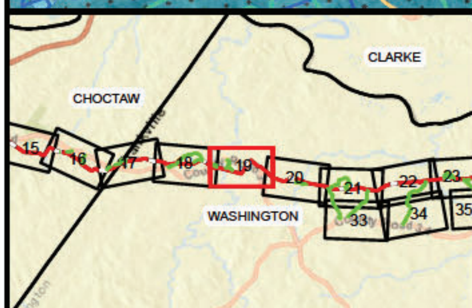

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Lowman Pipeline Project

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Choctaw and Washington Counties, Alabama

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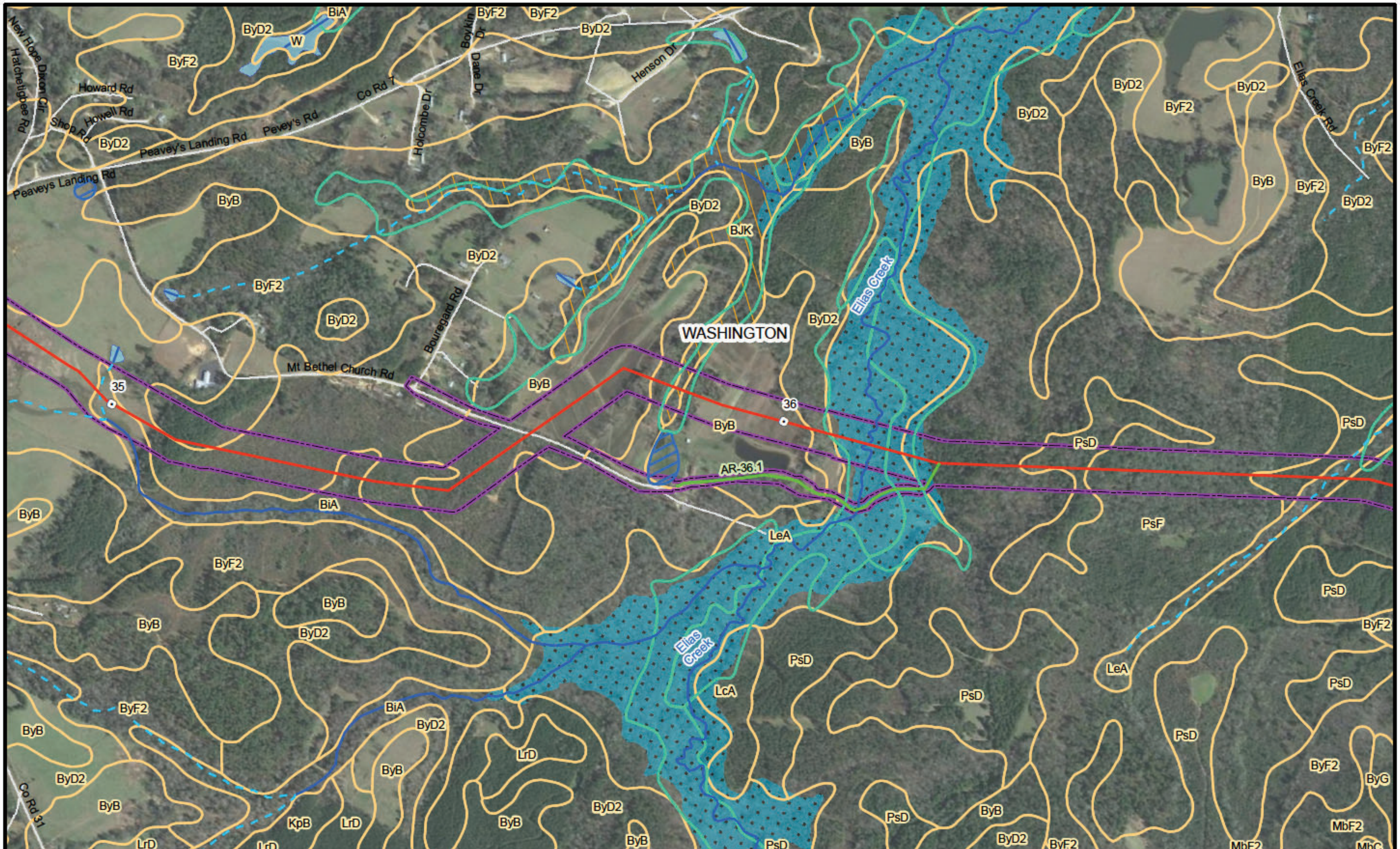

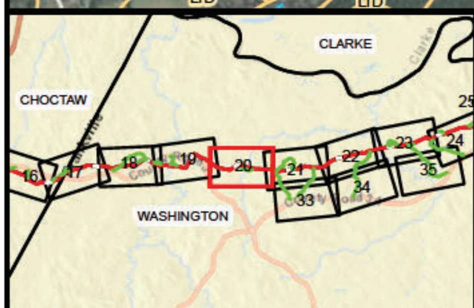

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SSURGO Soils

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Feet

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NextEra Energy Pipeline Holdings (Lowman), Inc.
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Figure 3
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Choctaw and Washington Counties, Alabama

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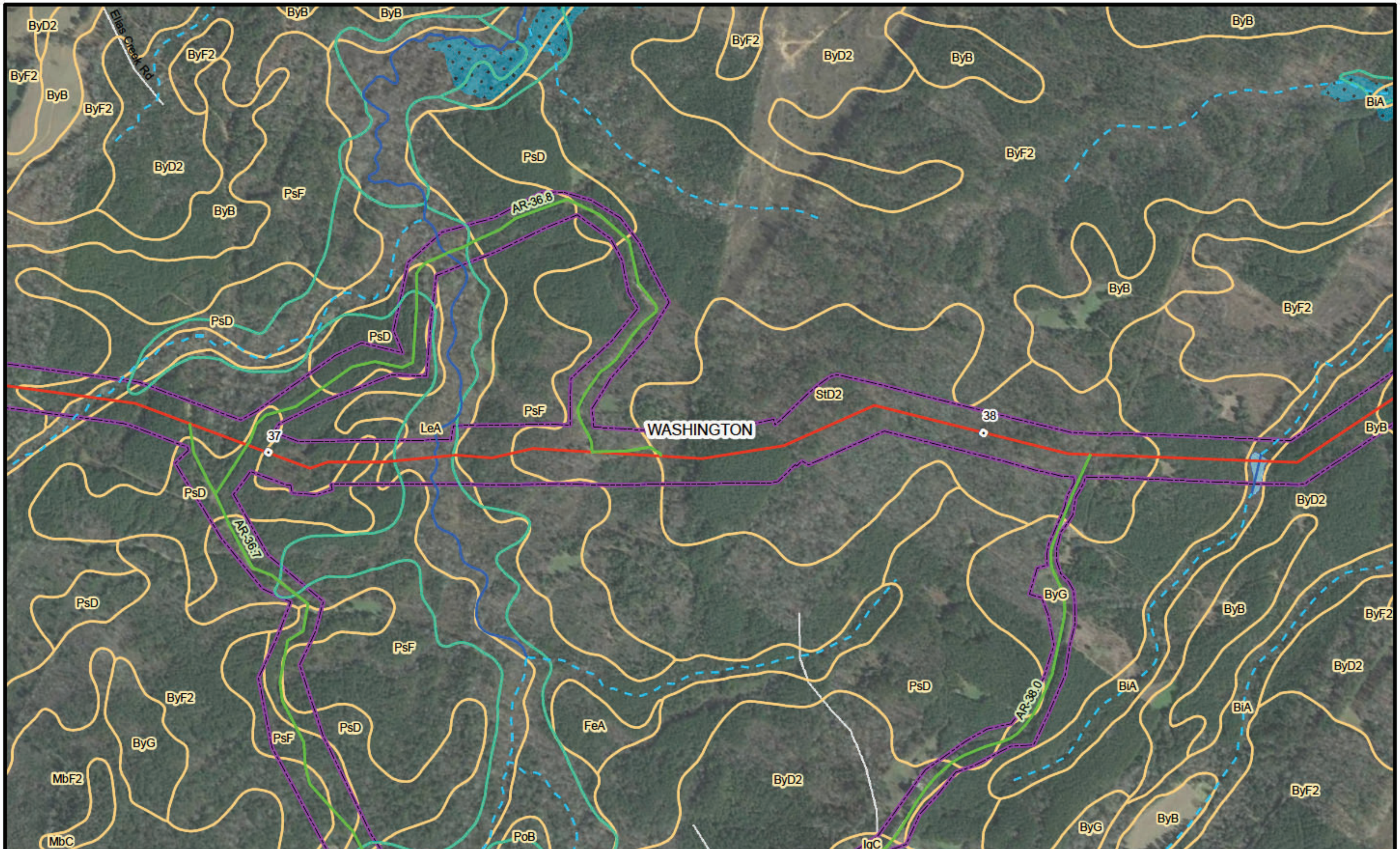

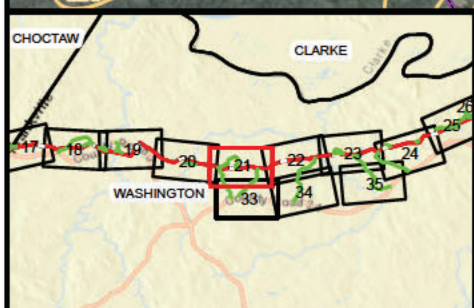

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SSURGO Soils

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Feet

Scale: 1:12,000 Page 21 of 35

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
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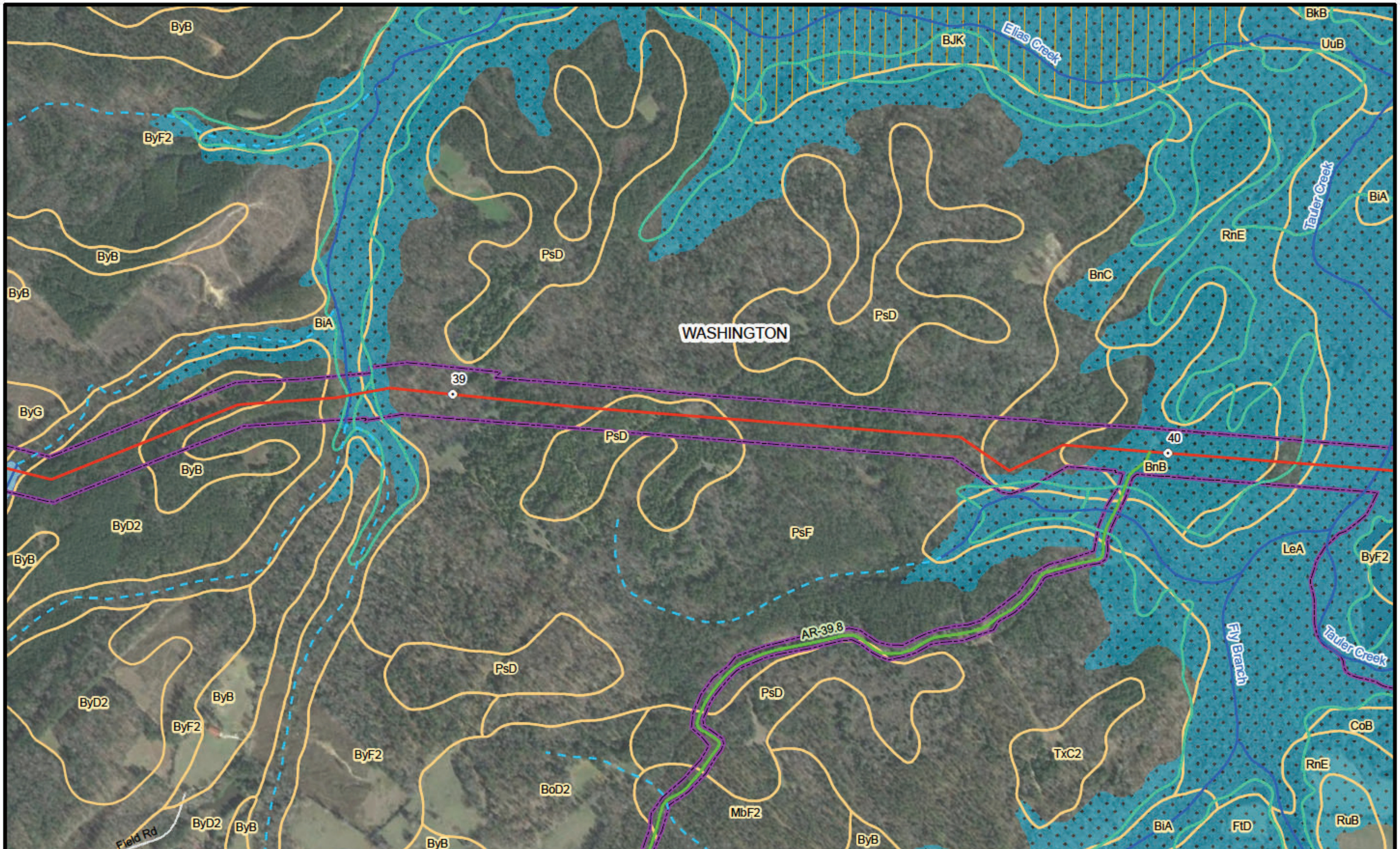
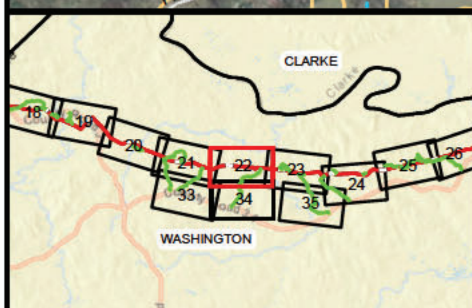
Choctaw and Washington Counties, Alabama





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SSURGO Soils

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NEXTera ENERGY

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Lowman Pipeline Project

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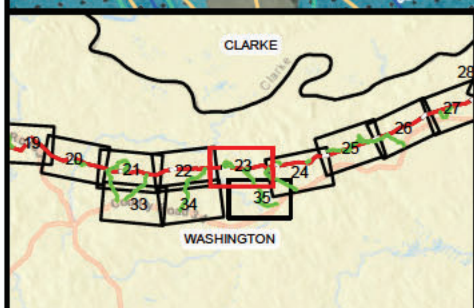

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SSURGO Soils

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Feet

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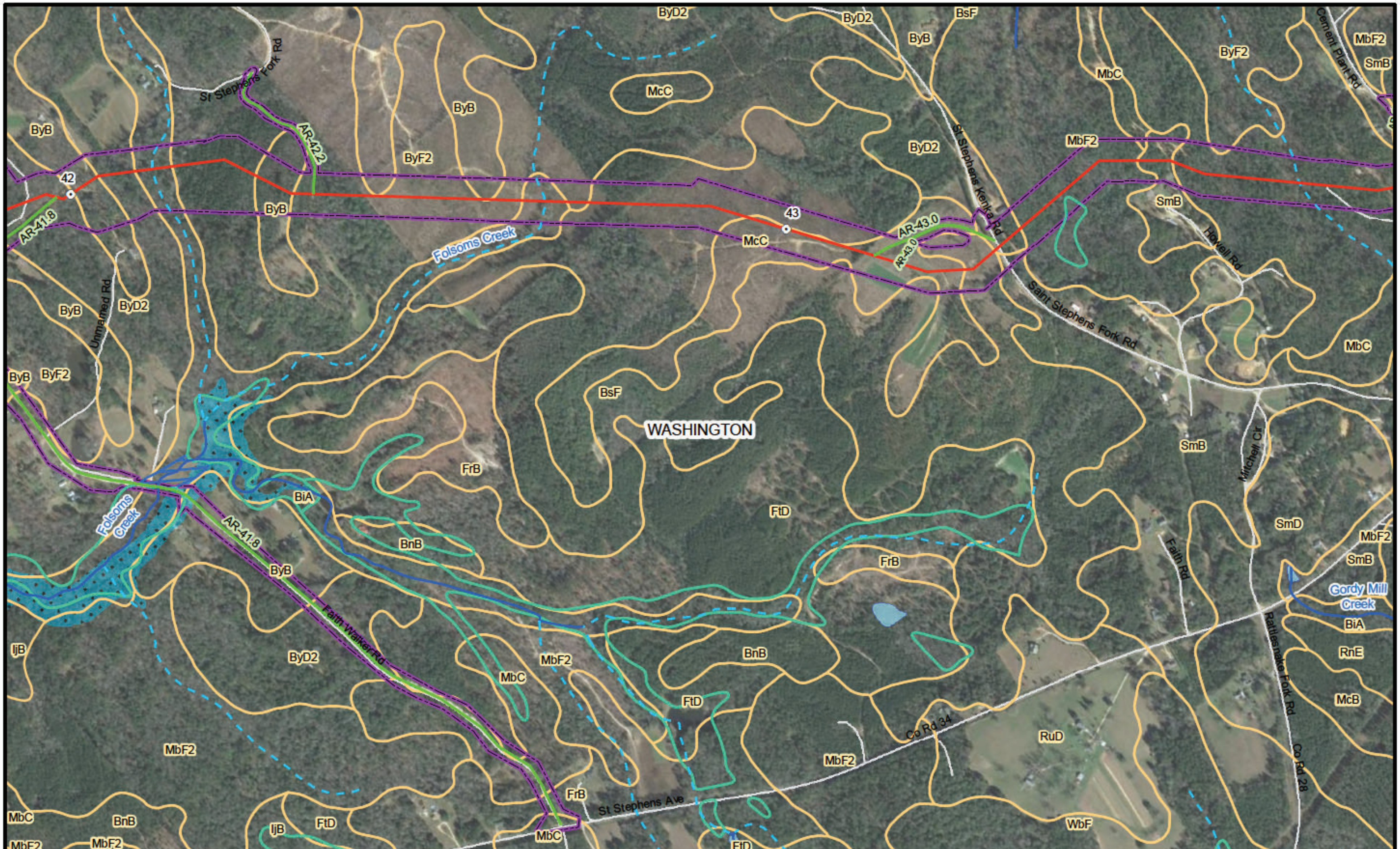

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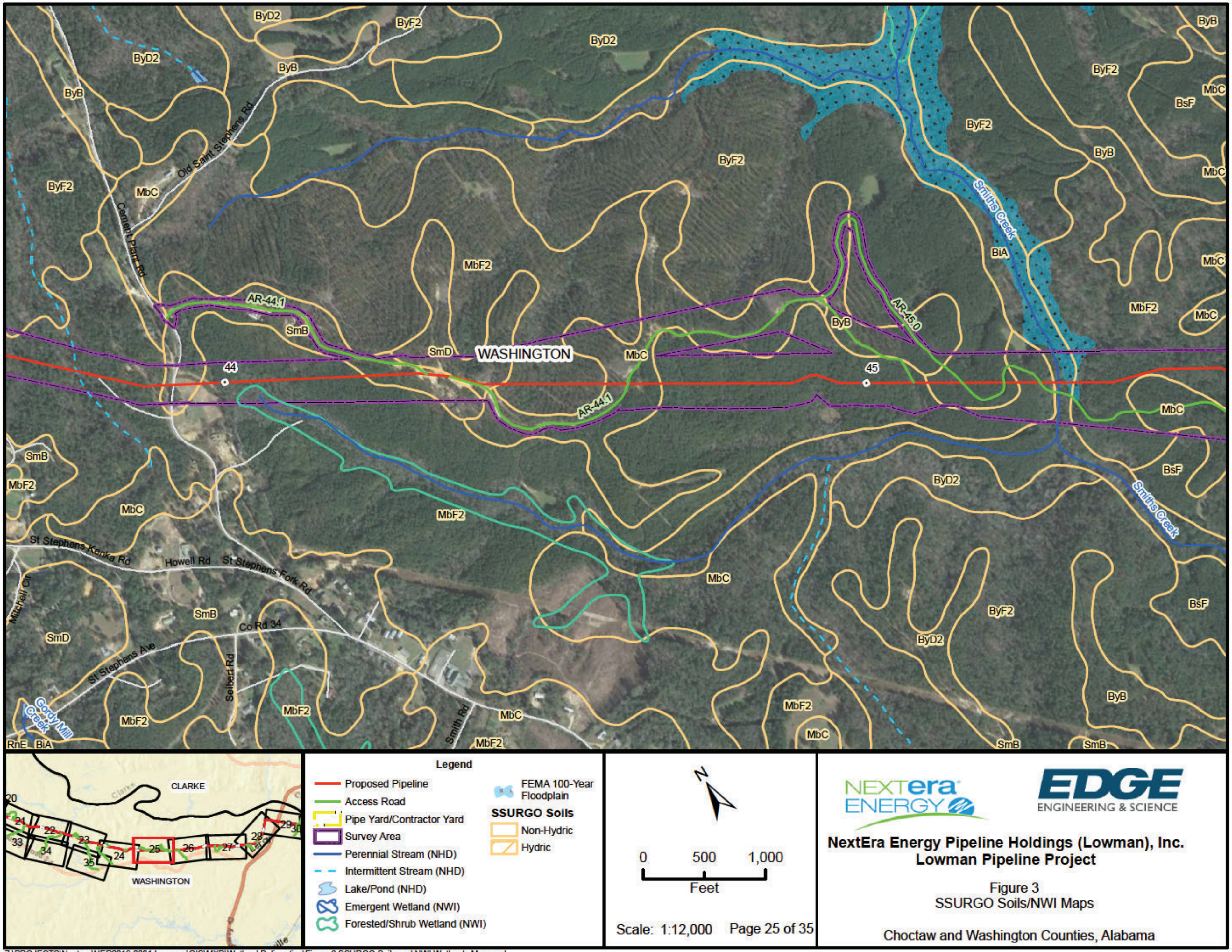

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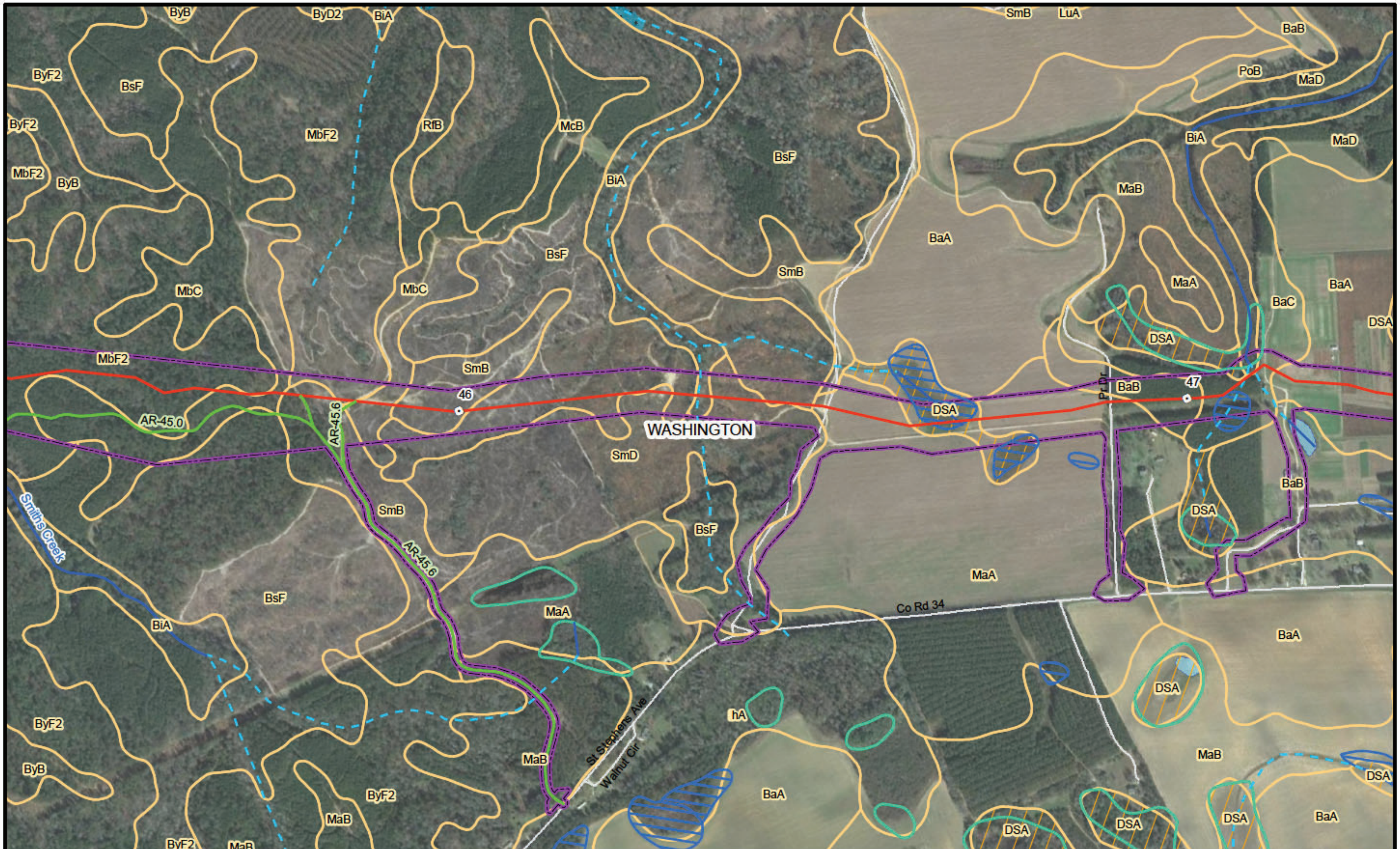

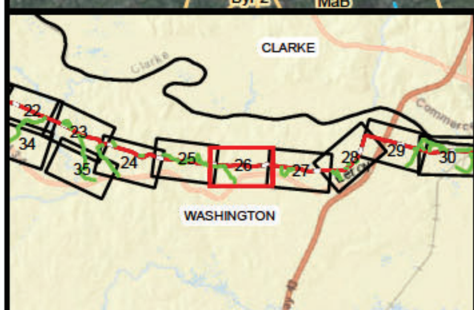

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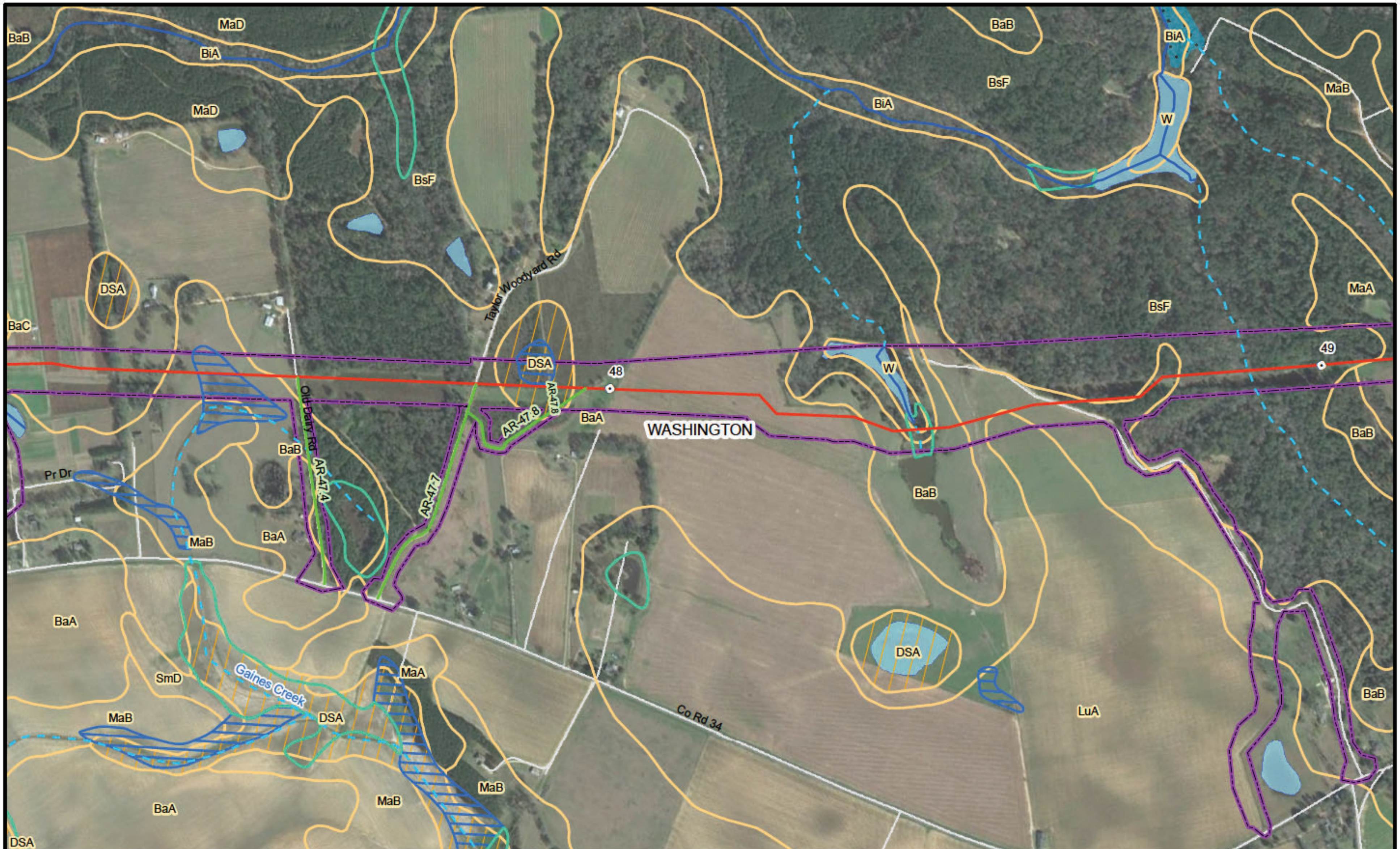

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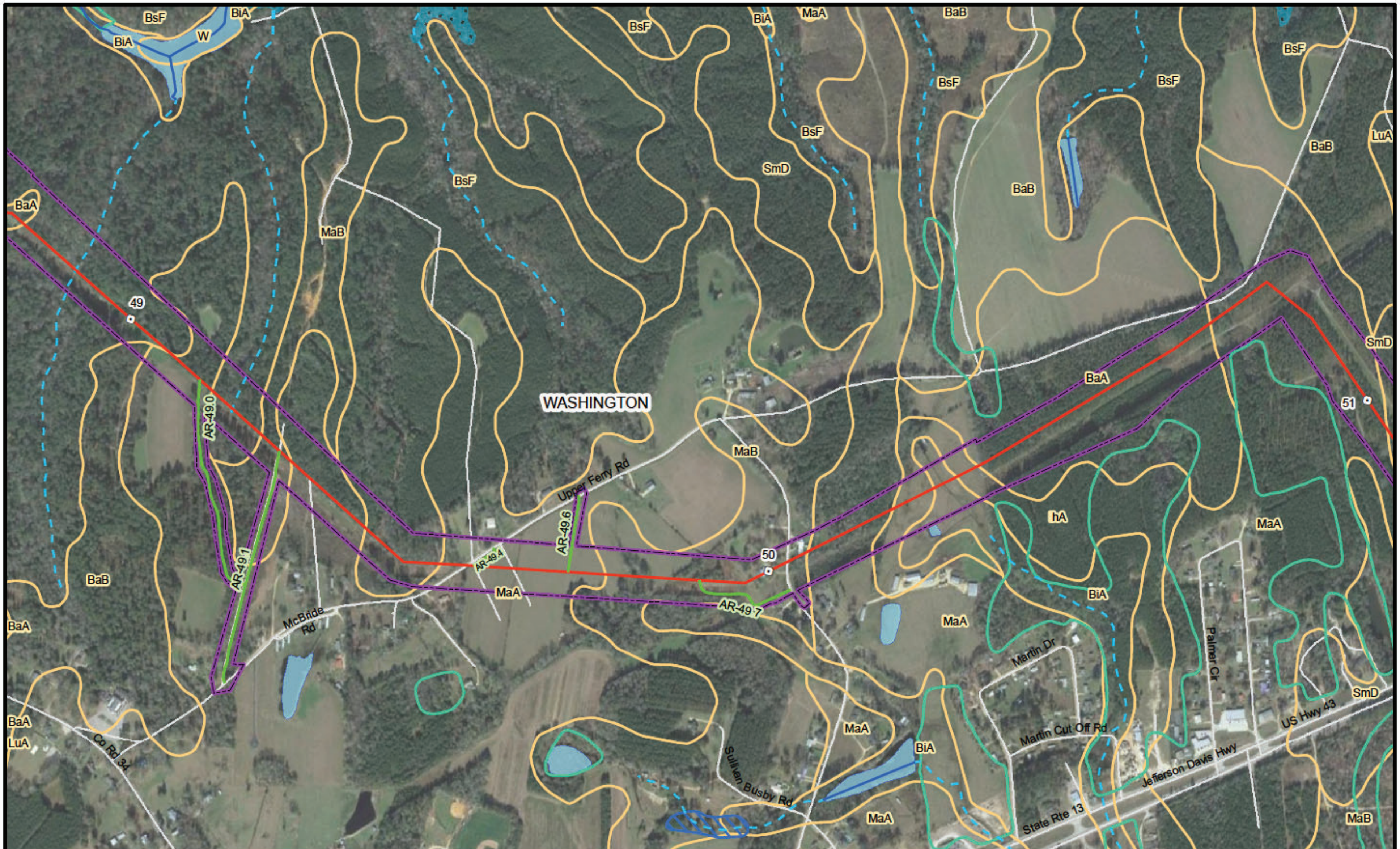

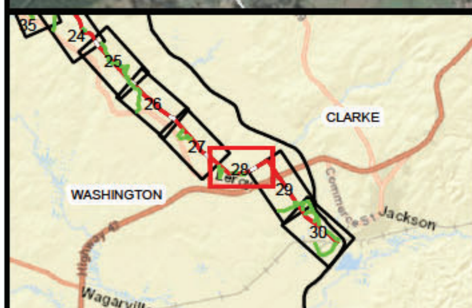

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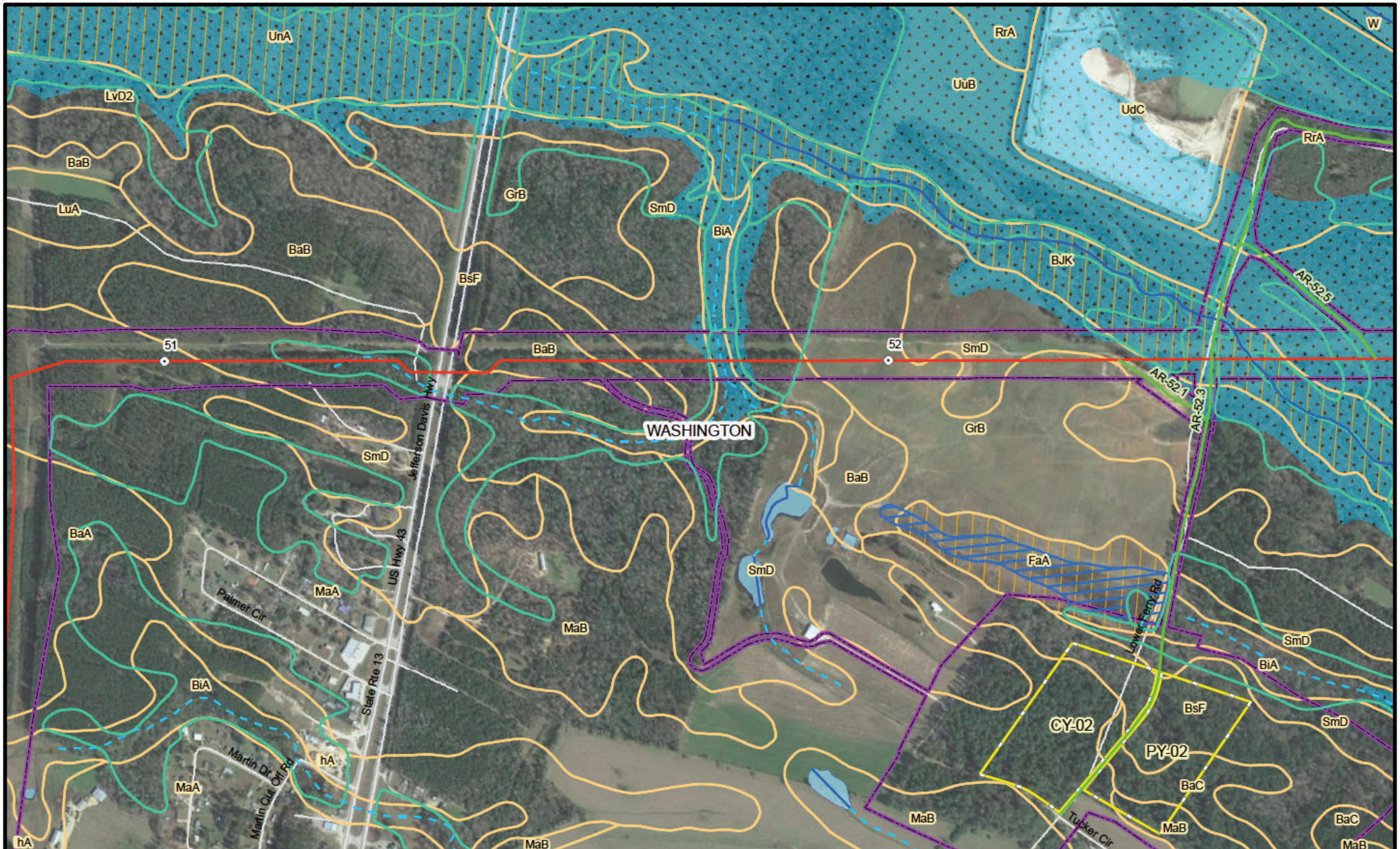

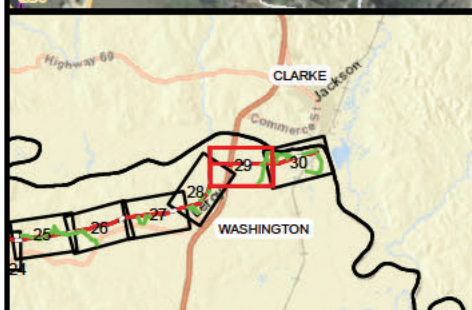

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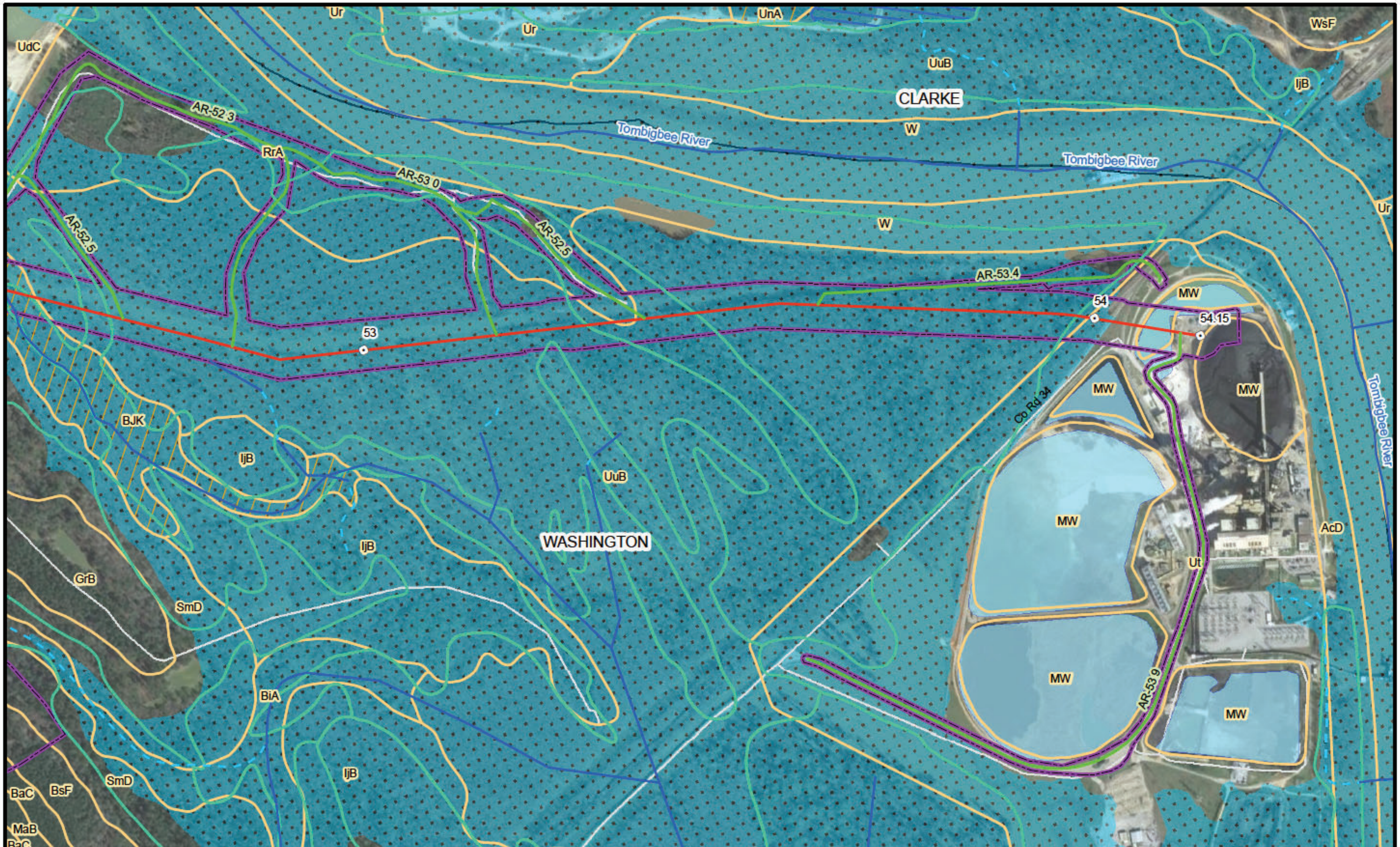
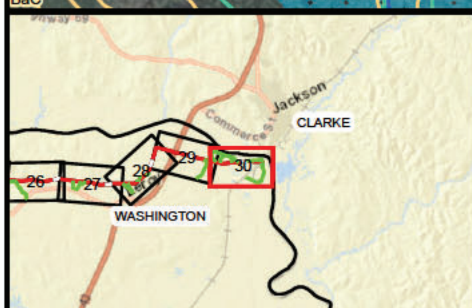




Legend

- Proposed Pipeline
- Access Road
- Pipe Yard/Contractor Yard
- Survey Area
- Perennial Stream (NHD)
- Intermittent Stream (NHD)
- Lake/Pond (NHD)
- Emergent Wetland (NWI)
- Forested/Shrub Wetland (NWI)
- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000
Feet

Scale: 1:12,000

NEXTera ENERGY

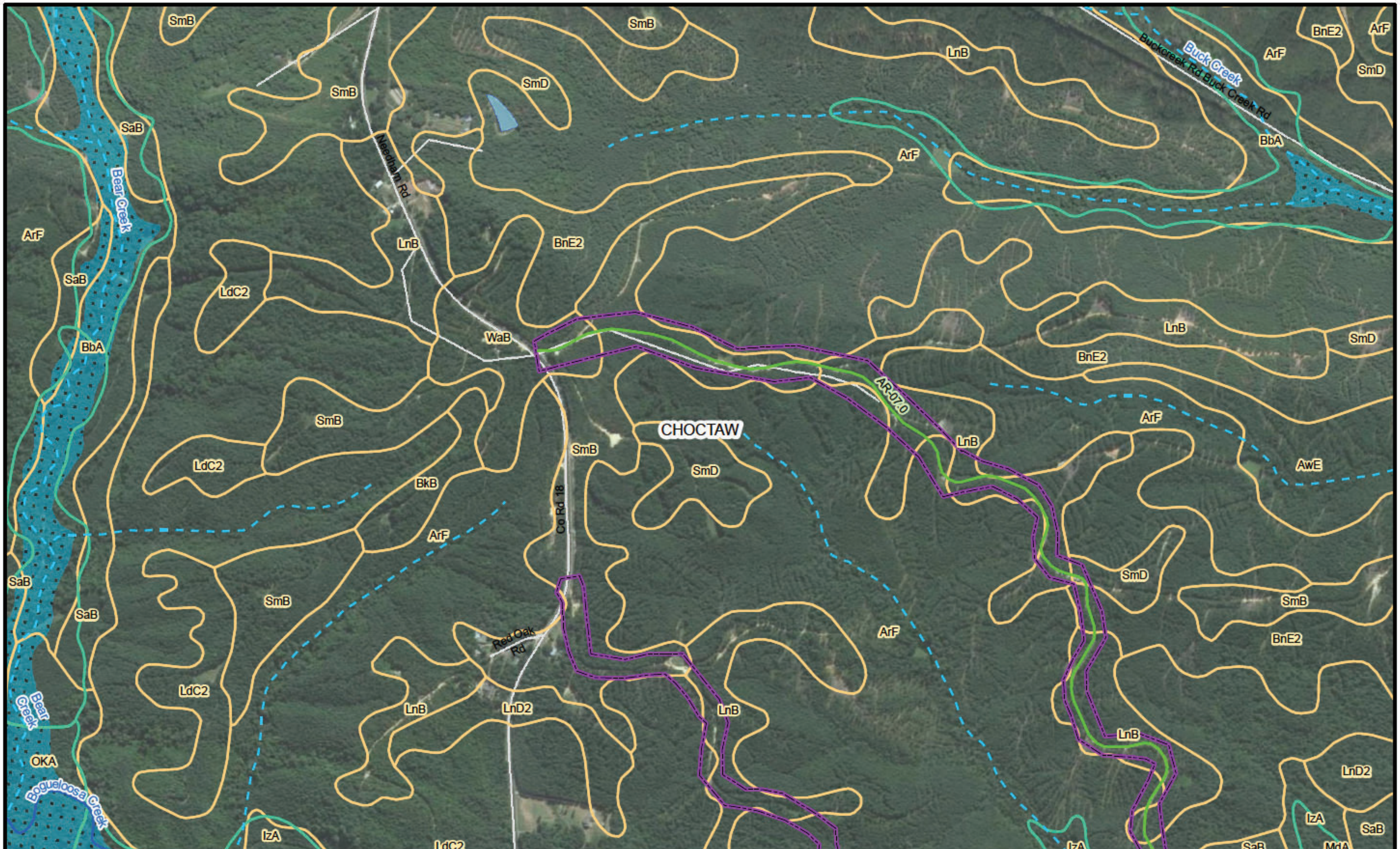
EDGE ENGINEERING & SCIENCE

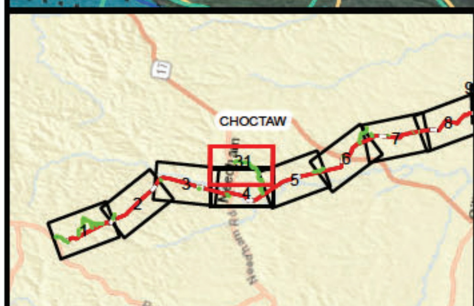
NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

Z:\PROJECTS\Nextera\NER2019-0001 Lowman\GIS\MXD\Wetland Delineation\Figure 3 SSURGO Soils and NWI Wetlands Map.mxd





Legend

- Proposed Pipeline
- Access Road
- Pipe Yard/Contractor Yard
- Survey Area
- Perennial Stream (NHD)
- Intermittent Stream (NHD)
- Lake/Pond (NHD)
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- Forested/Shrub Wetland (NWI)
- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000
Feet

Scale: 1:12,000

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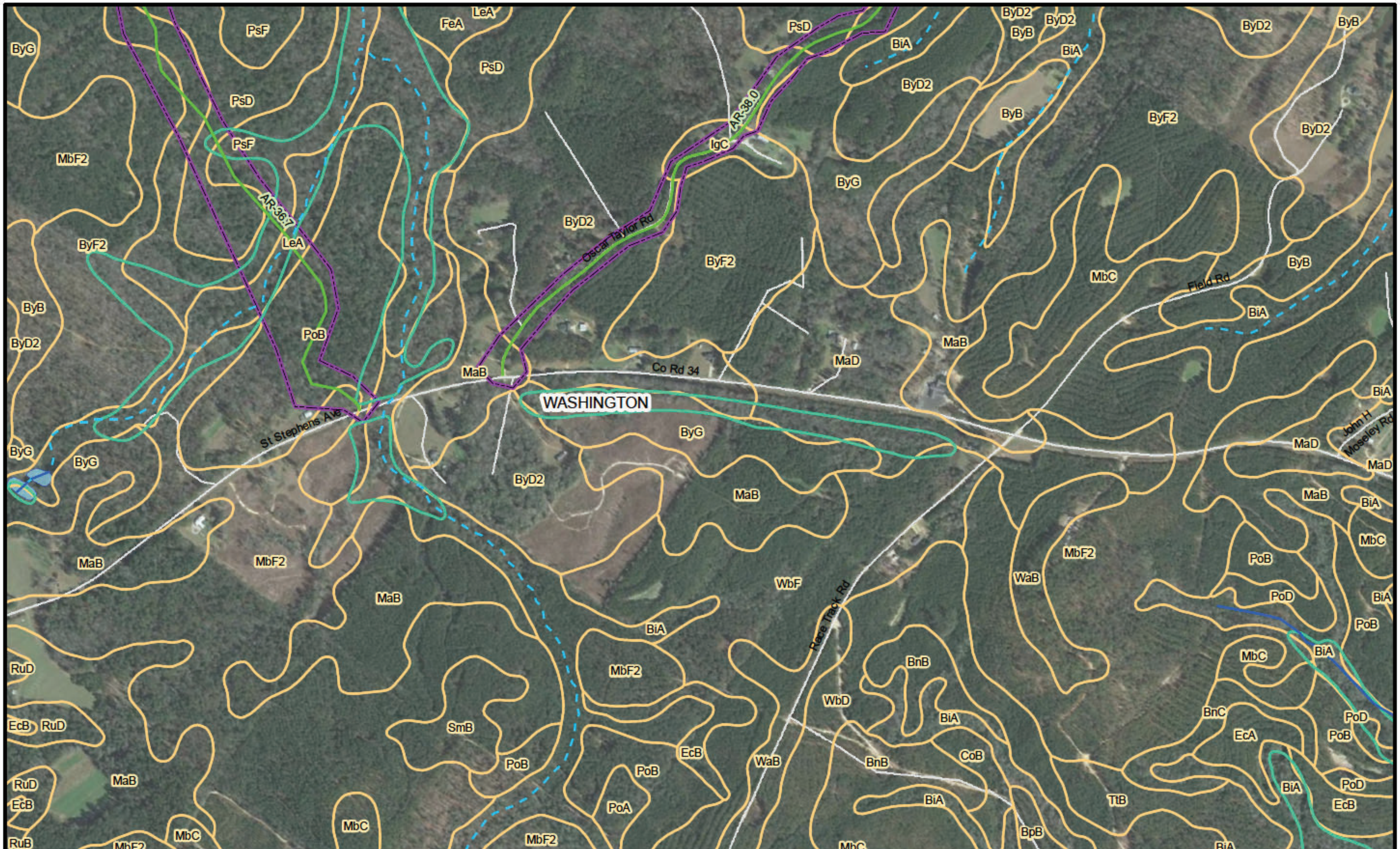
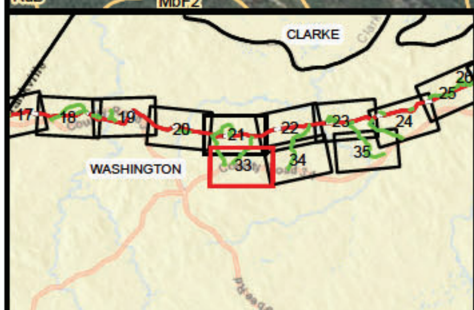
NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

Z:\PROJECTS\Nextera\NER2019-0001 Lowman\GIS\MXD\Wetland Delineation\Figure 3 SSURGO Soils and NWI Wetlands Map.mxd





Legend

- Proposed Pipeline
- Access Road
- Pipe Yard/Contractor Yard
- Survey Area
- Perennial Stream (NHD)
- Intermittent Stream (NHD)
- Lake/Pond (NHD)
- Emergent Wetland (NWI)
- Forested/Shrub Wetland (NWI)
- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

0 500 1,000
Feet

Scale: 1:12,000 Page 32 of 35

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

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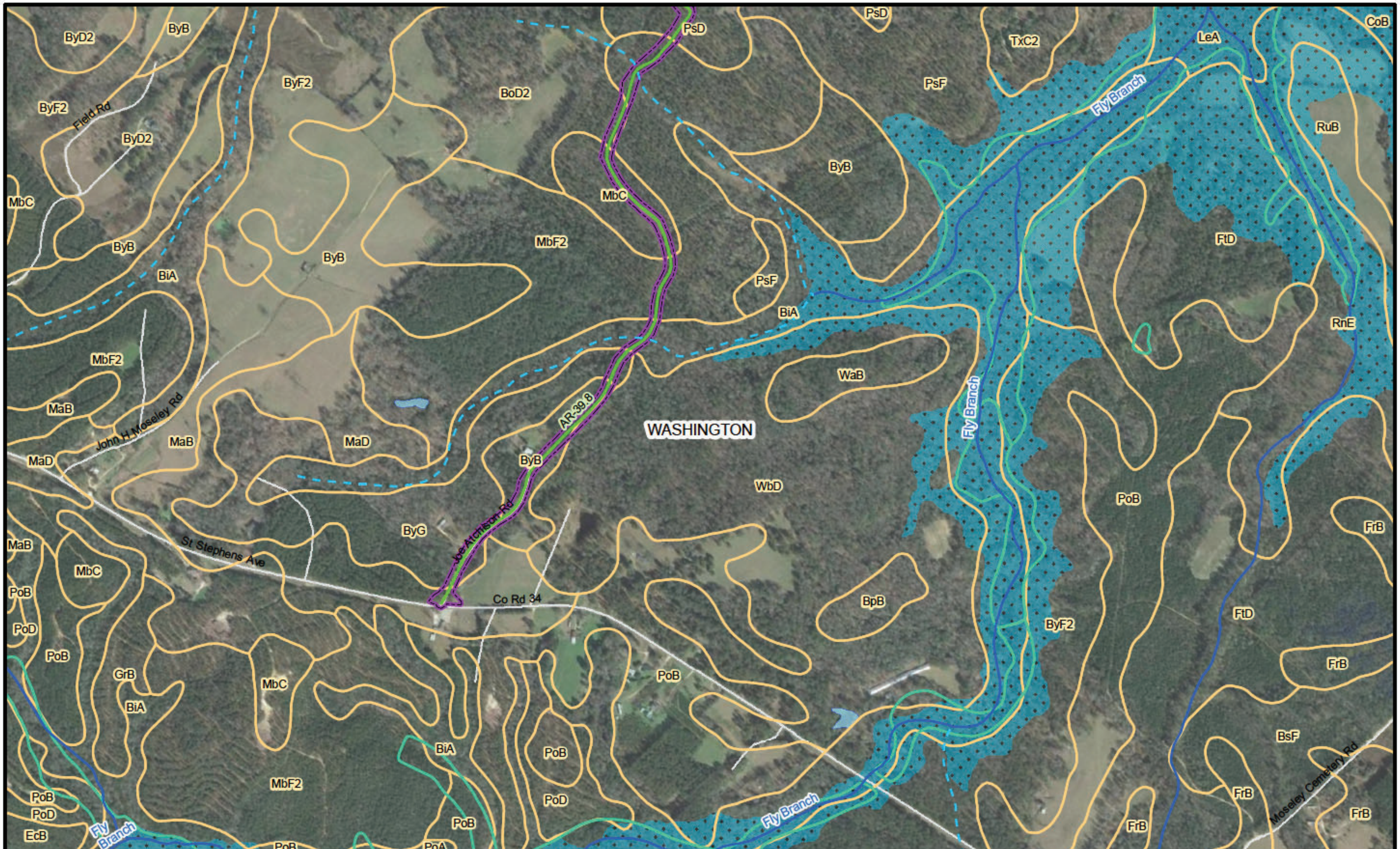

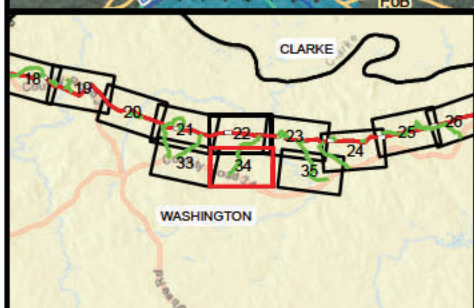

Legend

- Proposed Pipeline
- Access Road
- Pipe Yard/Contractor Yard
- Survey Area
- Perennial Stream (NHD)
- Intermittent Stream (NHD)
- Lake/Pond (NHD)
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- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000

Feet

Scale: 1:12,000

NEXTera ENERGY

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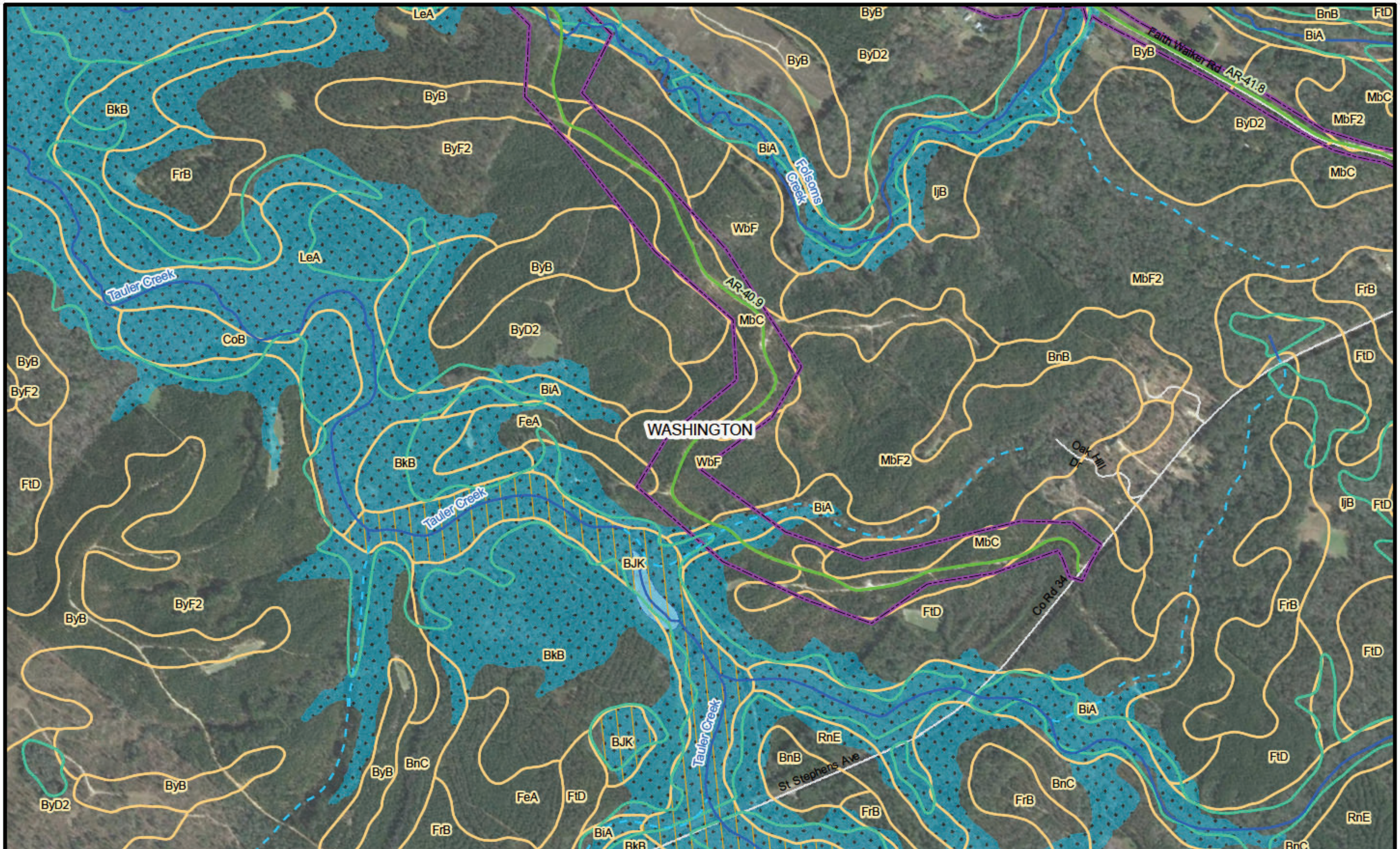
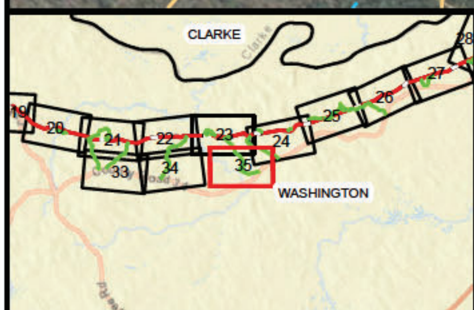
NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

Z:\PROJECTS\Nextera\NER2019-0001 Lowman\GIS\MXD\Wetland Delineation\Figure 3 SSURGO Soils and NWI Wetlands Map.mxd





Legend

- Proposed Pipeline
- Access Road
- Pipe Yard/Contractor Yard
- Survey Area
- Perennial Stream (NHD)
- Intermittent Stream (NHD)
- Lake/Pond (NHD)
- Emergent Wetland (NWI)
- Forested/Shrub Wetland (NWI)
- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

0 500 1,000
Feet

Scale: 1:12,000 Page 34 of 35

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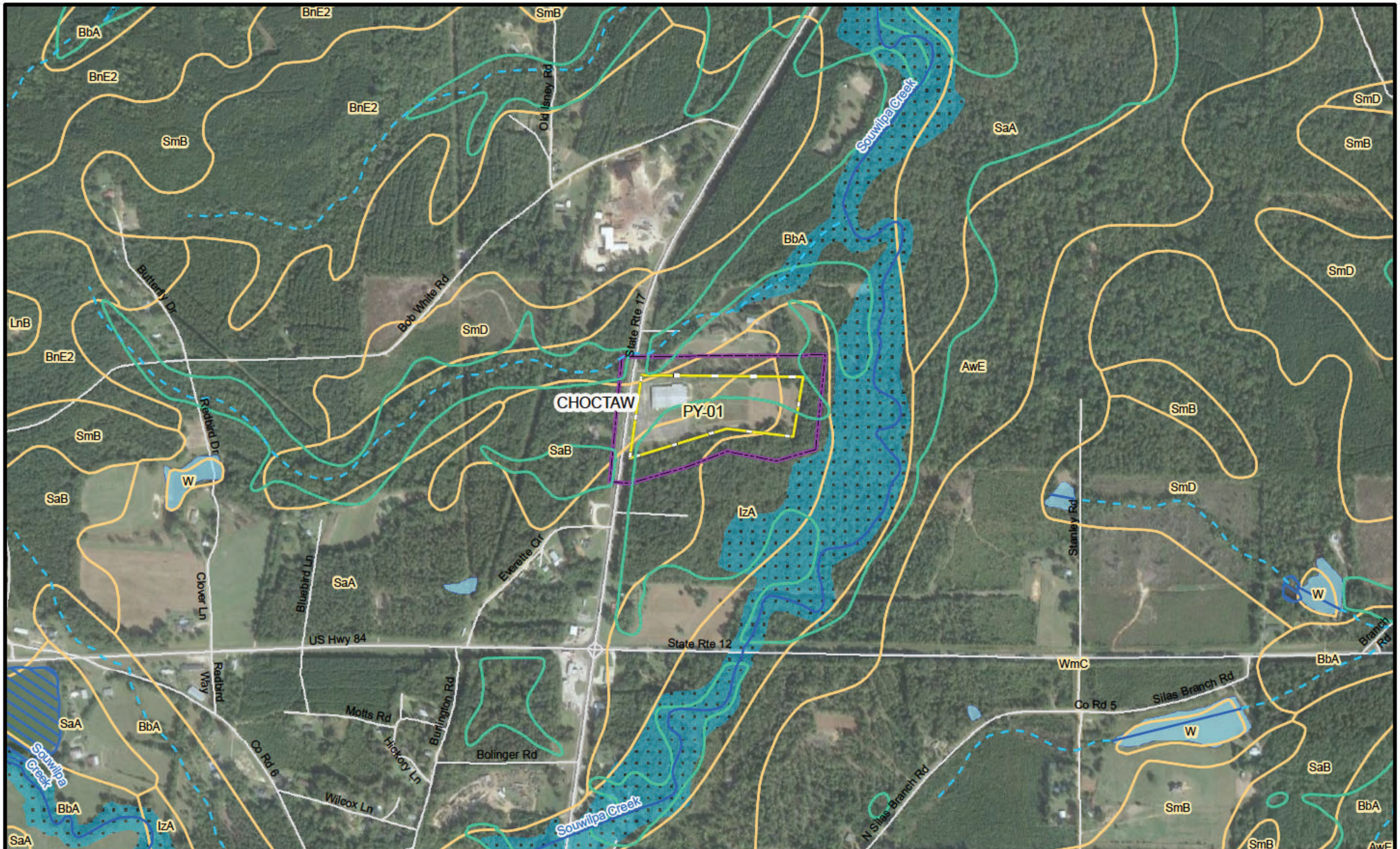
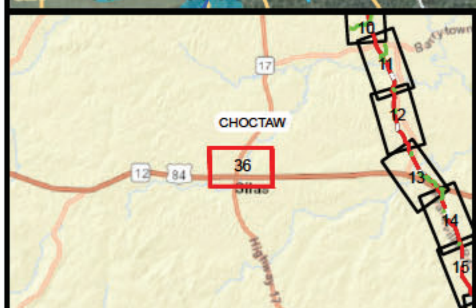
NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

Z:\PROJECTS\Nextera\NER2019-0001 Lowman\GIS\MXD\Wetland Delineation\Figure 3 SSURGO Soils and NWI Wetlands Map.mxd





Legend

- Proposed Pipeline
- Access Road
- Pipe Yard/Contractor Yard
- Survey Area
- Perennial Stream (NHD)
- Intermittent Stream (NHD)
- Lake/Pond (NHD)
- Emergent Wetland (NWI)
- Forested/Shrub Wetland (NWI)
- FEMA 100-Year Floodplain

SSURGO Soils

- Non-Hydric
- Hydric

N

0 500 1,000

Feet

Scale: 1:12,000

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 3
SSURGO Soils/NWI Maps

Choctaw and Washington Counties, Alabama

Figure 4

Waters of the U.S. Maps

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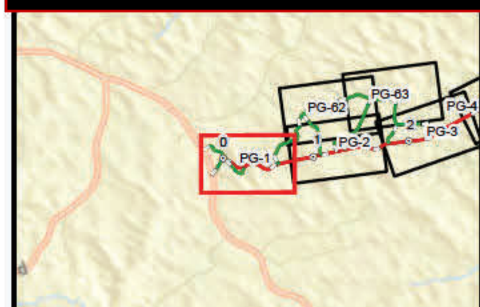
(b)(7)f



Legend

- Mile Post
- Proposed Pipeline
- Access Road
- Pipe/Contractor Yard
- Upland Data Point
- Wetland Data Point
- Pond
- Stream
- Emergent Wetland
- Forested Wetland
- Shrub-Scrub Wetland
- Survey Corridor
- Survey Pending

N

0 250 500
Feet

Scale: 1:6,000 Page 1 of 78

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NextEra Energy Pipeline Holdings (Lowman), Inc.
Lowman Pipeline Project

Figure 4
Waters of the U.S. Map

Choctaw and Washington Counties, Alabama

F:\Projects\Nextera\NER2019-0001 Lowman\GIS\MXD\Wetland Delineation\Figure 4 Field Delineated Data Map.mxd

Pages 49 through 119 redacted for the following reasons:
- -
(b)(7)f, Aerial photography with data/location sites noted

Appendix A

Wetlands Data Table

Appendix A - Wetland Data Table
Lowman Pipeline Project
NextEra Energy Pipeline Holdings (Lowman), Inc.

FOIA Note: Dated May 11, 2020

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1117 PEM	0.00	PEM	[redacted]	[redacted]	0.02	03160201	Middle Tombigbee-Chickasaw	1
W2033 PEM	0.21	PEM	[redacted]	[redacted]	0.55	03160201	Middle Tombigbee-Chickasaw	1
W2032 PFO	0.26	PFO	[redacted]	[redacted]	0.08	03160201	Middle Tombigbee-Chickasaw	1
W2033 PFO	0.30	PFO	[redacted]	[redacted]	1.00	03160201	Middle Tombigbee-Chickasaw	1
W2034 PFO	0.41	PFO	[redacted]	[redacted]	0.37	03160201	Middle Tombigbee-Chickasaw	1
W2078 PFO	0.54	PFO	[redacted]	[redacted]	0.60	03160201	Middle Tombigbee-Chickasaw	1
W2039 PFO	0.92	PFO	[redacted]	[redacted]	2.00	03160201	Middle Tombigbee-Chickasaw	2
W2040 PFO	1.17	PFO	[redacted]	[redacted]	0.20	03160201	Middle Tombigbee-Chickasaw	2
W2144 PFO	1.73	PFO	[redacted]	[redacted]	0.12	03160201	Middle Tombigbee-Chickasaw	2
W2070 PSS	2.35	PSS	[redacted]	[redacted]	0.34	03160201	Middle Tombigbee-Chickasaw	3
W2071 PSS	2.49	PSS	[redacted]	[redacted]	0.19	03160201	Middle Tombigbee-Chickasaw	3
W2072 PEM	3.05	PEM	[redacted]	[redacted]	0.01	03160201	Middle Tombigbee-Chickasaw	4
W2131 PEM	3.52	PEM	[redacted]	[redacted]	0.05	03160201	Middle Tombigbee-Chickasaw	4
W2130 PEM	3.54	PEM	[redacted]	[redacted]	0.10	03160201	Middle Tombigbee-Chickasaw	5
W2132 PEM	3.57	PEM	[redacted]	[redacted]	0.30	03160201	Middle Tombigbee-Chickasaw	5
W2128 PFO	3.91	PFO	[redacted]	[redacted]	0.24	03160201	Middle Tombigbee-Chickasaw	5
W2129 PFO	3.94	PFO	[redacted]	[redacted]	0.06	03160201	Middle Tombigbee-Chickasaw	5
W2127 PFO	4.03	PFO	[redacted]	[redacted]	0.17	03160201	Middle Tombigbee-Chickasaw	5
W2126 PFO	4.14	PFO	[redacted]	[redacted]	0.23	03160201	Middle Tombigbee-Chickasaw	5
W2124 PFO	4.20	PFO	[redacted]	[redacted]	2.65	03160201	Middle Tombigbee-Chickasaw	5
W2125 PFO	4.27	PFO	[redacted] (b)(7)f	[redacted]	0.25	03160201	Middle Tombigbee-Chickasaw	5
W2123 PFO	4.31	PFO	[redacted]	[redacted]	0.01	03160201	Middle Tombigbee-Chickasaw	5
W2121 PEM	4.34	PEM	[redacted]	[redacted]	0.14	03160201	Middle Tombigbee-Chickasaw	5
W2120 PFO	4.47	PFO	[redacted]	[redacted]	0.21	03160201	Middle Tombigbee-Chickasaw	5
W2119 PFO	4.55	PFO	[redacted]	[redacted]	0.35	03160201	Middle Tombigbee-Chickasaw	6
W1109 PSS	4.55	PSS	[redacted]	[redacted]	0.10	03160201	Middle Tombigbee-Chickasaw	6
W2101 PFO	4.64	PFO	[redacted]	[redacted]	1.33	03160201	Middle Tombigbee-Chickasaw	6
W2118 PFO	4.66	PFO	[redacted]	[redacted]	0.19	03160201	Middle Tombigbee-Chickasaw	6
W2102 PFO	4.69	PFO	[redacted]	[redacted]	0.76	03160201	Middle Tombigbee-Chickasaw	6
W2117 PFO	4.77	PFO	[redacted]	[redacted]	0.34	03160201	Middle Tombigbee-Chickasaw	6
W2116 PFO	4.83	PFO	[redacted]	[redacted]	0.31	03160201	Middle Tombigbee-Chickasaw	6
W1106 PSS	4.84	PSS	[redacted]	[redacted]	0.04	03160201	Middle Tombigbee-Chickasaw	6
W1107 PFO	4.89	PFO	[redacted]	[redacted]	0.03	03160201	Middle Tombigbee-Chickasaw	6
W2115 PFO	4.90	PFO	[redacted]	[redacted]	0.04	03160201	Middle Tombigbee-Chickasaw	6
W1108 PEM	4.95	PEM	[redacted]	[redacted]	0.02	03160201	Middle Tombigbee-Chickasaw	6
W2114 PFO	5.02	PFO	[redacted]	[redacted]	0.34	03160201	Middle Tombigbee-Chickasaw	6
W2114 PEM	5.06	PEM	[redacted]	[redacted]	0.05	03160201	Middle Tombigbee-Chickasaw	6
W2113 PFO	5.17	PFO	[redacted]	[redacted]	0.06	03160201	Middle Tombigbee-Chickasaw	6
W2111 PFO	5.28	PFO	[redacted]	[redacted]	0.24	03160201	Middle Tombigbee-Chickasaw	6
W2112 PEM	5.30	PEM	[redacted]	[redacted]	0.08	03160201	Middle Tombigbee-Chickasaw	6
W1103 PFO	5.41	PFO	[redacted]	[redacted]	0.07	03160201	Middle Tombigbee-Chickasaw	7

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1104 PSS	5.44	PSS	[redacted]		0.03	03160201	Middle Tombigbee-Chickasaw	7
W2110 PFO	5.46	PFO			0.03	03160201	Middle Tombigbee-Chickasaw	7
W1105 PFO	5.51	PFO			0.45	03160201	Middle Tombigbee-Chickasaw	7
W2109 PFO	5.56	PFO			0.42	03160201	Middle Tombigbee-Chickasaw	7
W2108 PFO	5.58	PFO			0.48	03160201	Middle Tombigbee-Chickasaw	7
W2107 PFO	5.77	PFO			1.78	03160201	Middle Tombigbee-Chickasaw	7
W2106 PEM	5.86	PEM			0.03	03160201	Middle Tombigbee-Chickasaw	7
W2122 PFO	6.16	PFO			0.11	03160201	Middle Tombigbee-Chickasaw	7
W2134 PFO	6.38	PFO			0.36	03160201	Middle Tombigbee-Chickasaw	8
W2133 PFO	6.38	PFO			0.25	03160201	Middle Tombigbee-Chickasaw	8
W2136 PEM	6.54	PEM			0.32	03160201	Middle Tombigbee-Chickasaw	8
W2136 PFO	6.68	PFO			3.73	03160201	Middle Tombigbee-Chickasaw	8
W2135 PSS	6.70	PSS			1.80	03160201	Middle Tombigbee-Chickasaw	8
W2136 PSS	6.70	PSS			0.12	03160201	Middle Tombigbee-Chickasaw	8
W2135 PFO	6.70	PFO			1.83	03160201	Middle Tombigbee-Chickasaw	8
W1101 PEM	7.01	PEM			0.03	03160201	Middle Tombigbee-Chickasaw	8
W1100 PEM	7.05	PEM			0.23	03160201	Middle Tombigbee-Chickasaw	8
W1102 PFO	7.06	PFO			0.06	03160201	Middle Tombigbee-Chickasaw	8
W1099 PEM	7.55	PEM			0.17	03160201	Middle Tombigbee-Chickasaw	9
W1096 PFO	7.76	PFO			0.03	03160201	Middle Tombigbee-Chickasaw	9
W1097 PFO	7.80	PFO	(b)(7)f		0.01	03160201	Middle Tombigbee-Chickasaw	9
W1095 PFO	7.88	PFO			0.16	03160201	Middle Tombigbee-Chickasaw	9
W1098 PFO	7.99	PFO			2.26	03160201	Middle Tombigbee-Chickasaw	9
W1094 PEM	7.99	PEM			0.51	03160201	Middle Tombigbee-Chickasaw	9
W1094 PFO	8.08	PFO			0.58	03160201	Middle Tombigbee-Chickasaw	10
W1093 PEM	8.15	PEM			0.05	03160201	Middle Tombigbee-Chickasaw	10
W1082 PEM	8.26	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	10
W1083 PEM	8.34	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	10
W1084 PEM	8.43	PEM			0.06	03160201	Middle Tombigbee-Chickasaw	10
W1110 PSS	8.50	PSS			0.10	03160201	Middle Tombigbee-Chickasaw	10
W1111 PEM	8.60	PEM			2.35	03160201	Middle Tombigbee-Chickasaw	10
W1112 PFO	8.71	PFO			0.42	03160201	Middle Tombigbee-Chickasaw	10
W1086 PEM	8.75	PEM			0.06	03160201	Middle Tombigbee-Chickasaw	10
W1085 PEM	8.77	PEM			0.16	03160201	Middle Tombigbee-Chickasaw	10
W1087 PEM	8.86	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	10
W1088 PFO	8.94	PFO			0.13	03160201	Middle Tombigbee-Chickasaw	11
W1089 PFO	8.96	PFO			0.04	03160201	Middle Tombigbee-Chickasaw	11
W1092 PEM	9.08	PEM			0.33	03160201	Middle Tombigbee-Chickasaw	11
W1090 PEM	9.09	PEM			0.65	03160201	Middle Tombigbee-Chickasaw	11
W1091 PEM	9.10	PEM			0.24	03160201	Middle Tombigbee-Chickasaw	11
W2141 PFO	9.28	PFO			2.97	03160201	Middle Tombigbee-Chickasaw	11

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W2143 PSS	9.41	PSS	[redacted]		0.28	03160201	Middle Tombigbee-Chickasaw	11
W2141 PEM	9.42	PEM			0.52	03160201	Middle Tombigbee-Chickasaw	11
W2143 PEM	9.44	PEM			0.23	03160201	Middle Tombigbee-Chickasaw	11
W2142 PEM	9.54	PEM			0.04	03160201	Middle Tombigbee-Chickasaw	11
W2140 PFO	9.61	PFO			0.83	03160201	Middle Tombigbee-Chickasaw	11
W2146 PEM	9.90	PEM			0.56	03160201	Middle Tombigbee-Chickasaw	12
W2137 PFO	9.93	PFO			0.75	03160201	Middle Tombigbee-Chickasaw	12
W2138 PFO	10.21	PFO			0.09	03160201	Middle Tombigbee-Chickasaw	12
W2139 PFO	10.39	PFO			0.49	03160201	Middle Tombigbee-Chickasaw	12
W2096 PFO	10.70	PFO			0.06	03160201	Middle Tombigbee-Chickasaw	12
W2095 PFO	10.71	PFO			0.02	03160201	Middle Tombigbee-Chickasaw	12
W2094 PSS	10.71	PSS			0.04	03160201	Middle Tombigbee-Chickasaw	12
W2093 PFO	10.74	PFO			0.02	03160201	Middle Tombigbee-Chickasaw	12
W2092 PFO	10.87	PFO			0.18	03160201	Middle Tombigbee-Chickasaw	13
W2086 PFO	10.99	PFO			0.39	03160201	Middle Tombigbee-Chickasaw	13
W2085 PFO	11.12	PFO			0.59	03160201	Middle Tombigbee-Chickasaw	13
W2084 PEM	11.24	PEM			0.38	03160201	Middle Tombigbee-Chickasaw	13
W2084 PFO	11.24	PFO			0.87	03160201	Middle Tombigbee-Chickasaw	13
W2084 PSS	11.25	PSS			0.09	03160201	Middle Tombigbee-Chickasaw	13
W2083 PEM	11.51	PEM			0.04	03160201	Middle Tombigbee-Chickasaw	13
W2082 PSS	11.56	PSS	(b)(7)f		0.09	03160201	Middle Tombigbee-Chickasaw	14
W1052 PFO	12.01	PFO			0.24	03160201	Middle Tombigbee-Chickasaw	14
W1051 PFO	12.53	PFO			0.33	03160201	Middle Tombigbee-Chickasaw	15
W1050 PSS	13.04	PSS			0.17	03160201	Middle Tombigbee-Chickasaw	15
W1050 PFO	13.08	PFO			0.89	03160201	Middle Tombigbee-Chickasaw	15
W1049 PFO	13.22	PFO			0.26	03160201	Middle Tombigbee-Chickasaw	15
W1049 PSS	13.23	PSS			0.06	03160201	Middle Tombigbee-Chickasaw	15
W1048 PSS	13.67	PSS			0.10	03160201	Middle Tombigbee-Chickasaw	16
W1065 PSS	13.86	PSS			0.40	03160201	Middle Tombigbee-Chickasaw	16
W1066 PEM	14.11	PEM			0.42	03160201	Middle Tombigbee-Chickasaw	16
W1066 PSS	14.12	PSS			0.62	03160201	Middle Tombigbee-Chickasaw	16
W1067 PEM	14.16	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	16
W1053 PSS	14.17	PSS			0.05	03160201	Middle Tombigbee-Chickasaw	16
W1054 PEM	14.19	PEM			0.59	03160201	Middle Tombigbee-Chickasaw	16
W1054 PSS	14.21	PSS			0.81	03160201	Middle Tombigbee-Chickasaw	16
W1054 PFO	14.23	PFO			0.64	03160201	Middle Tombigbee-Chickasaw	16
W1055 PEM	14.27	PEM			0.40	03160201	Middle Tombigbee-Chickasaw	16
W1056 PFO	14.43	PFO			1.39	03160201	Middle Tombigbee-Chickasaw	17
W1056 PEM	14.47	PEM			0.61	03160201	Middle Tombigbee-Chickasaw	17
W1056 PSS	14.50	PSS			0.65	03160201	Middle Tombigbee-Chickasaw	17
W1060 PFO	14.55	PFO			0.08	03160201	Middle Tombigbee-Chickasaw	17

W1059 PFO	14.67	PFO	[redacted]	0.31	03160201	Middle Tombigbee-Chickasaw	17
W1058 PFO	14.78	PFO	[redacted]	0.30	03160201	Middle Tombigbee-Chickasaw	17
W1057 PSS	14.80	PSS	[redacted]	0.12	03160201	Middle Tombigbee-Chickasaw	17
W1063 PEM	14.86	PEM	[redacted]	0.02	03160201	Middle Tombigbee-Chickasaw	17
W1064 PFO	14.86	PFO	[redacted]	0.07	03160201	Middle Tombigbee-Chickasaw	17
W1064 PEM	14.89	PEM	[redacted]	0.65	03160201	Middle Tombigbee-Chickasaw	17
W1062 PFO	15.29	PFO	[redacted]	0.03	03160201	Middle Tombigbee-Chickasaw	17
W1061 PFO	15.37	PFO	[redacted]	0.06	03160201	Middle Tombigbee-Chickasaw	18
W2081 PFO	15.57	PFO	[redacted]	0.20	03160201	Middle Tombigbee-Chickasaw	18
W2080 PFO	15.75	PFO	[redacted]	0.11	03160201	Middle Tombigbee-Chickasaw	18
W2079 PFO	15.85	PFO	[redacted]	0.24	03160201	Middle Tombigbee-Chickasaw	18
W2077 PFO	15.92	PFO	[redacted]	0.23	03160201	Middle Tombigbee-Chickasaw	18
W2149 PEM	15.94	PEM	[redacted]	0.08	03160201	Middle Tombigbee-Chickasaw	18
W2148 PEM	15.94	PEM	[redacted]	0.13	03160201	Middle Tombigbee-Chickasaw	18
W2076 PFO	16.10	PFO	[redacted]	0.37	03160201	Middle Tombigbee-Chickasaw	18
W2076 PEM	16.15	PEM	[redacted]	0.26	03160201	Middle Tombigbee-Chickasaw	18
W2076 PSS	16.16	PSS	[redacted]	0.12	03160201	Middle Tombigbee-Chickasaw	18
W2074 PFO	16.27	PFO	[redacted]	2.95	03160201	Middle Tombigbee-Chickasaw	19
W1079 PEM	16.33	PEM	[redacted]	0.01	03160201	Middle Tombigbee-Chickasaw	19
W2027 PSS	16.40	PSS	[redacted]	0.51	03160201	Middle Tombigbee-Chickasaw	19
W1078 PEM	16.45	PEM	[redacted] (b)(7)f	0.05	03160201	Middle Tombigbee-Chickasaw	19
W1077 PEM	16.47	PEM	[redacted]	0.02	03160201	Middle Tombigbee-Chickasaw	19
W2073 PEM	16.55	PEM	[redacted]	0.36	03160201	Middle Tombigbee-Chickasaw	19
W2026 PFO	16.80	PFO	[redacted]	3.50	03160201	Middle Tombigbee-Chickasaw	19
W2025 PEM	16.91	PEM	[redacted]	7.49	03160201	Middle Tombigbee-Chickasaw	19
W2066 PEM	17.04	PEM	[redacted]	0.53	03160201	Middle Tombigbee-Chickasaw	19
W2065 PFO	17.17	PFO	[redacted]	1.53	03160201	Middle Tombigbee-Chickasaw	20
W2065 PEM	17.25	PEM	[redacted]	5.03	03160201	Middle Tombigbee-Chickasaw	20
W2067 PEM	17.40	PEM	[redacted]	8.41	03160201	Middle Tombigbee-Chickasaw	20
W2068 PEM	17.64	PEM	[redacted]	5.18	03160201	Middle Tombigbee-Chickasaw	20
W2069 PEM	17.64	PEM	[redacted]	1.74	03160201	Middle Tombigbee-Chickasaw	20
W2068 PSS	17.76	PSS	[redacted]	0.94	03160201	Middle Tombigbee-Chickasaw	20
W1076 PSS	18.14	PSS	[redacted]	0.51	03160201	Middle Tombigbee-Chickasaw	21
W1075 PEM	18.23	PEM	[redacted]	0.31	03160201	Middle Tombigbee-Chickasaw	21
W2053 PFO	18.30	PFO	[redacted]	2.38	03160201	Middle Tombigbee-Chickasaw	21
W2052 PFO	18.45	PFO	[redacted]	0.83	03160201	Middle Tombigbee-Chickasaw	21
W2050 PFO	18.54	PFO	[redacted]	0.14	03160201	Middle Tombigbee-Chickasaw	21
W2051 PFO	18.55	PFO	[redacted]	0.08	03160201	Middle Tombigbee-Chickasaw	21
W2098 PSS	18.58	PSS	[redacted]	0.02	03160201	Middle Tombigbee-Chickasaw	21
W2054 PFO	18.75	PFO	[redacted]	0.83	03160201	Middle Tombigbee-Chickasaw	21
W2054 PEM	18.82	PEM	[redacted]	3.09	03160201	Middle Tombigbee-Chickasaw	22

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W2055 PEM	18.93	PEM	[redacted]		0.02	03160201	Middle Tombigbee-Chickasaw	22
W2056 PEM	18.98	PEM			1.29	03160201	Middle Tombigbee-Chickasaw	22
W2103 PEM	19.10	PEM			0.38	03160201	Middle Tombigbee-Chickasaw	22
W2104 PEM	19.15	PEM			0.32	03160201	Middle Tombigbee-Chickasaw	22
W2057 PFO	19.28	PFO			0.49	03160201	Middle Tombigbee-Chickasaw	22
W2059 PFO	19.36	PFO			0.05	03160201	Middle Tombigbee-Chickasaw	22
W2058 PFO	19.43	PFO			1.53	03160201	Middle Tombigbee-Chickasaw	22
W2060 PFO	19.49	PFO			0.08	03160201	Middle Tombigbee-Chickasaw	22
W2061 PFO	19.58	PFO			0.13	03160201	Middle Tombigbee-Chickasaw	22
W2063 PEM	19.78	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	23
W2064 PEM	19.78	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	23
W2062 PFO	19.82	PFO			0.34	03160201	Middle Tombigbee-Chickasaw	23
W1046 PSS	20.20	PSS			0.08	03160201	Middle Tombigbee-Chickasaw	23
W1045 PEM	20.38	PEM			0.19	03160201	Middle Tombigbee-Chickasaw	23
W1044 PEM	20.42	PEM			0.17	03160201	Middle Tombigbee-Chickasaw	23
W1047 PEM	20.43	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	23
W1043 PFO	20.63	PFO			0.55	03160201	Middle Tombigbee-Chickasaw	24
W2049 PFO	20.98	PFO			2.97	03160201	Middle Tombigbee-Chickasaw	24
W2049 PEM	21.07	PEM			0.60	03160201	Middle Tombigbee-Chickasaw	24
W2048 PFO	21.36	PFO			4.01	03160201	Middle Tombigbee-Chickasaw	24
W1031 PFO	21.87	PFO	(b)(7)f		0.18	03160201	Middle Tombigbee-Chickasaw	25
W1031 PEM	21.97	PEM			4.51	03160201	Middle Tombigbee-Chickasaw	25
W1032 PEM	22.07	PEM			0.19	03160201	Middle Tombigbee-Chickasaw	25
W1033 PEM	22.12	PEM			0.18	03160201	Middle Tombigbee-Chickasaw	25
W1033 PFO	22.20	PFO			3.04	03160201	Middle Tombigbee-Chickasaw	25
W1034 PEM	22.34	PEM			0.11	03160201	Middle Tombigbee-Chickasaw	25
W1035 PSS	22.35	PSS			0.00	03160201	Middle Tombigbee-Chickasaw	25
W1036 PEM	23.06	PEM			0.11	03160201	Middle Tombigbee-Chickasaw	26
W1037 PEM	23.14	PEM			0.04	03160201	Middle Tombigbee-Chickasaw	26
W1038 PSS	23.27	PSS			0.05	03160201	Middle Tombigbee-Chickasaw	27
W1039 PEM	23.59	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	27
W1134 PSS	23.59	PSS			0.14	03160201	Middle Tombigbee-Chickasaw	27
W1040 PEM	23.70	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	27
W2041 PEM	25.30	PEM			0.03	03160203	Lower Tombigbee	29
W2047 PEM	25.43	PEM			0.04	03160203	Lower Tombigbee	29
W2046 PFO	25.48	PFO			0.24	03160203	Lower Tombigbee	29
W2045 PFO	25.67	PFO			0.18	03160203	Lower Tombigbee	29
W2044 PFO	25.84	PFO			0.09	03160203	Lower Tombigbee	29
W2043 PFO	25.91	PFO			0.58	03160203	Lower Tombigbee	30
W1070 PEM	27.39	PEM			0.04	03160203	Lower Tombigbee	31
W2042 PFO	27.43	PFO			1.45	03160203	Lower Tombigbee	31

W2038 PEM	27.50	PEM	[redacted]	0.05	03160203	Lower Tombigbee	31
W2038 PFO	27.58	PFO	[redacted]	3.71	03160203	Lower Tombigbee	31
W2037 PEM	29.06	PEM	[redacted]	0.02	03160203	Lower Tombigbee	33
W2036 PFO	29.14	PFO	[redacted]	0.30	03160203	Lower Tombigbee	33
W2035 PFO	29.31	PFO	[redacted]	0.13	03160203	Lower Tombigbee	33
W1030 PEM	29.98	PEM	[redacted]	0.02	03160203	Lower Tombigbee	34
W1125 PFO	30.80	PFO	[redacted]	0.04	03160203	Lower Tombigbee	35
W1029 PFO	30.91	PFO	[redacted]	0.21	03160203	Lower Tombigbee	35
W1028 PEM	30.95	PEM	[redacted]	0.02	03160203	Lower Tombigbee	35
W1027 PSS	31.12	PSS	[redacted]	0.14	03160203	Lower Tombigbee	35
W1026 PSS	32.09	PSS	[redacted]	0.20	03160203	Lower Tombigbee	36
W1123 PFO	32.12	PFO	[redacted]	0.06	03160203	Lower Tombigbee	36
W1122 PEM	32.25	PEM	[redacted]	0.15	03160203	Lower Tombigbee	37
W1121 PFO	32.26	PFO	[redacted]	0.05	03160203	Lower Tombigbee	37
W1120 PFO	32.30	PFO	[redacted]	0.17	03160203	Lower Tombigbee	37
W1124 PFO	32.31	PFO	[redacted]	0.08	03160203	Lower Tombigbee	37
W2153 PFO	32.39	PFO	[redacted]	0.01	03160203	Lower Tombigbee	37
W2154 PFO	32.41	PFO	[redacted]	0.04	03160203	Lower Tombigbee	37
W1017 PFO	32.50	PFO	[redacted]	0.57	03160203	Lower Tombigbee	37
W1018 PFO	32.57	PFO	[redacted]	0.19	03160203	Lower Tombigbee	37
W1019 PEM	32.59	PEM	[redacted] (b)(7)f	0.09	03160203	Lower Tombigbee	37
W1020 PEM	32.67	PEM	[redacted]	0.11	03160203	Lower Tombigbee	37
W1023 PFO	32.85	PFO	[redacted]	0.38	03160203	Lower Tombigbee	37
W1022 PFO	32.98	PFO	[redacted]	3.40	03160203	Lower Tombigbee	37
W1024 PFO	33.29	PFO	[redacted]	0.03	03160203	Lower Tombigbee	38
W1025 PFO	33.47	PFO	[redacted]	0.06	03160203	Lower Tombigbee	38
W2031 PFO	33.75	PFO	[redacted]	0.50	03160203	Lower Tombigbee	38
W2090 PFO	34.23	PFO	[redacted]	0.22	03160203	Lower Tombigbee	38
W2030 PEM	34.57	PEM	[redacted]	0.64	03160203	Lower Tombigbee	39
W2017 PFO	34.95	PFO	[redacted]	0.77	03160203	Lower Tombigbee	39
W2018 PFO	35.46	PFO	[redacted]	1.10	03160203	Lower Tombigbee	40
W2019 PSS	35.72	PSS	[redacted]	3.00	03160203	Lower Tombigbee	40
W2020 PFO	36.31	PFO	[redacted]	0.13	03160203	Lower Tombigbee	41
W2021 PEM	36.37	PEM	[redacted]	0.00	03160203	Lower Tombigbee	41
W1015 PFO	36.44	PFO	[redacted]	0.11	03160203	Lower Tombigbee	41
W1014 PFO	36.84	PFO	[redacted]	2.85	03160203	Lower Tombigbee	42
W1011 PFO	37.99	PFO	[redacted]	0.28	03160203	Lower Tombigbee	43
W1010 PFO	38.48	PFO	[redacted]	2.01	03160203	Lower Tombigbee	43
W1009 PEM	39.37	PEM	[redacted]	0.09	03160203	Lower Tombigbee	44
W1009 PFO	39.39	PFO	[redacted]	0.57	03160203	Lower Tombigbee	44
W2014 PEM	39.46	PEM	[redacted]	0.05	03160203	Lower Tombigbee	44

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W2015 PEM	39.50	PEM	[redacted]		0.27	03160203	Lower Tombigbee	44
W2013 PSS	39.80	PSS			0.31	03160203	Lower Tombigbee	45
W2013 PEM	39.83	PEM			1.09	03160203	Lower Tombigbee	45
W2013 PFO	39.91	PFO			5.48	03160203	Lower Tombigbee	45
W2016 PFO	40.09	PFO			0.26	03160203	Lower Tombigbee	45
W1016 PFO	40.24	PFO			0.23	03160203	Lower Tombigbee	45
W2024 PFO	41.41	PFO			0.38	03160203	Lower Tombigbee	47
W2023 PFO	41.54	PFO			0.20	03160203	Lower Tombigbee	47
W2023 PEM	41.55	PEM			0.02	03160203	Lower Tombigbee	47
W2028 PSS	42.14	PSS			0.03	03160203	Lower Tombigbee	47
W2029 PEM	42.15	PEM			0.06	03160203	Lower Tombigbee	48
W1012 PFO	43.05	PFO			0.63	03160203	Lower Tombigbee	49
W1013 PFO	43.30	PFO			0.17	03160203	Lower Tombigbee	49
W1008 PSS	43.58	PSS			0.39	03160203	Lower Tombigbee	49
W1008 PFO	43.66	PFO			2.30	03160203	Lower Tombigbee	49
W2105 PSS	45.38	PSS			0.03	03160203	Lower Tombigbee	51
W2012 PEM	47.09	PEM			0.79	03160203	Lower Tombigbee	53
W2008 PEM	47.91	PEM			0.08	03160203	Lower Tombigbee	54
W2150 PEM	48.03	PEM			0.02	03160203	Lower Tombigbee	54
W2009 PEM	48.03	PEM			0.24	03160203	Lower Tombigbee	54
W2009 PFO	48.04	PFO	(b)(7)f		0.41	03160203	Lower Tombigbee	54
W2010 PFO	48.54	PFO			0.16	03160203	Lower Tombigbee	55
W2010 PEM	48.55	PEM			0.38	03160203	Lower Tombigbee	55
W2011 PFO	48.78	PFO			0.46	03160203	Lower Tombigbee	55
W2011 PEM	48.80	PEM			0.14	03160203	Lower Tombigbee	55
W1007 PFO	49.07	PFO			0.63	03160203	Lower Tombigbee	56
W1007 PEM	49.10	PEM			0.25	03160203	Lower Tombigbee	56
W1006 PEM	49.58	PEM			0.09	03160203	Lower Tombigbee	56
W1005 PFO	49.68	PFO			0.51	03160203	Lower Tombigbee	56
W1005 PEM	49.71	PEM			0.04	03160203	Lower Tombigbee	56
W1005 PSS	49.71	PSS			1.79	03160203	Lower Tombigbee	56
W1004 PEM	49.83	PEM			1.56	03160203	Lower Tombigbee	56
W1071 PSS	49.93	PSS			0.14	03160203	Lower Tombigbee	56
W1072 PEM	50.45	PEM			0.02	03160203	Lower Tombigbee	57
W1073 PEM	50.88	PEM			0.16	03160203	Lower Tombigbee	57
W1074 PFO	50.94	PFO			0.36	03160203	Lower Tombigbee	57
W2002 PEM	51.12	PEM			0.07	03160203	Lower Tombigbee	58
W2003 PEM	51.29	PEM			0.37	03160203	Lower Tombigbee	58
W2004 PFO	51.37	PFO			1.21	03160203	Lower Tombigbee	58
W2004 PSS	51.37	PSS			0.62	03160203	Lower Tombigbee	58
W2001 PEM	51.73	PEM			0.10	03160203	Lower Tombigbee	58

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1001 PSS	51.95	PSS	[redacted] (b)(7)f		0.32	03160203	Lower Tombigbee	58
W1001 PFO	52.00	PFO			3.39	03160203	Lower Tombigbee	59
W1001 PEM	52.00	PEM			1.05	03160203	Lower Tombigbee	59
W1113 PSS	52.03	PSS			0.03	03160203	Lower Tombigbee	59
W1002 PEM	52.07	PEM			0.85	03160203	Lower Tombigbee	59
W1002 PFO	52.09	PFO			0.83	03160203	Lower Tombigbee	59
W1003 PFO	52.17	PFO			4.07	03160203	Lower Tombigbee	59
W1003 PEM	52.22	PEM			0.36	03160203	Lower Tombigbee	59
W2007 PFO	52.80	PFO			1.44	03160203	Lower Tombigbee	60
W2007 PEM	52.82	PEM			0.17	03160203	Lower Tombigbee	59
W2022 PEM	53.07	PEM			0.13	03160203	Lower Tombigbee	60
W2022 PFO	53.08	PFO			0.29	03160203	Lower Tombigbee	60
W2006 PSS	53.19	PSS			0.28	03160203	Lower Tombigbee	60
W2005 PFO	53.50	PFO			0.30	03160203	Lower Tombigbee	60
Pipe Yards								
W1129 PEM	CY-03	PEM	[redacted] (b)(7)f		0.42	03160201	Middle Tombigbee-Chickasaw	79
W1131 PEM	CY-03	PEM			0.07	03160201	Middle Tombigbee-Chickasaw	79
W1130 PEM	CY-03	PEM			0.19	03160201	Middle Tombigbee-Chickasaw	79
W1081 PFO	PY-01	PFO			2.88	03160201	Middle Tombigbee-Chickasaw	80
W1080 PEM	PY-01	PEM			0.24	03160201	Middle Tombigbee-Chickasaw	80
Access Roads								
W2145 PFO	AR-01.4	PFO	[redacted] (b)(7)f		0.34	03160201	Middle Tombigbee-Chickasaw	62
W1118 PEM	AR-03.6	PEM			0.08	03160201	Middle Tombigbee-Chickasaw	5
W1119 PFO	AR-03.6	PFO			0.03	03160201	Middle Tombigbee-Chickasaw	5
W1132 PFO	AR-16.2	PFO			0.13	03160201	Middle Tombigbee-Chickasaw	18
W1133 PSS	AR-16.2	PSS			0.02	03160201	Middle Tombigbee-Chickasaw	18
W2075 PSS	AR-16.2-EX	PSS			0.13	03160201	Middle Tombigbee-Chickasaw	19
W2027 PFO	AR-16.4	PFO			5.79	03160201	Middle Tombigbee-Chickasaw	19
W2099 PEM	AR-17.3	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	68
W2100 PEM	AR-17.3	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	68
W2097 PEM	AR-18.5	PEM			0.10	03160201	Middle Tombigbee-Chickasaw	21
W2097 PFO	AR-18.5	PFO			0.04	03160201	Middle Tombigbee-Chickasaw	21
W2151 PEM	AR-31.7	PEM			0.05	03160203	Lower Tombigbee	37
W2151 PFO	AR-31.7	PFO			0.05	03160203	Lower Tombigbee	37
W2152 PEM	AR-31.7	PEM			0.07	03160203	Lower Tombigbee	37
W1127 PEM	AR-32.5	PEM			0.01	03160203	Lower Tombigbee	37
W1126 PEM	AR-32.5	PEM			0.04	03160203	Lower Tombigbee	37
W1128 PFO	AR-32.8	PFO			1.14	03160203	Lower Tombigbee	37
W1021 PSS	AR-33.1	PSS			0.15	03160203	Lower Tombigbee	37

W2147 PFO	AR-35.1	PFO	[redacted] (b)(7)f	0.03	03160203	Lower Tombigbee	39
W2165 PEM	AR-35.1-EX	PEM		0.08	03160203	Lower Tombigbee	40
W2019 PFO	AR-35.1-EX	PFO		3.21	03160203	Lower Tombigbee	40
W2162 PEM	AR-36.5	PEM		0.02	03160203	Lower Tombigbee	41
W2163 PFO	AR-36.5	PFO		0.02	03160203	Lower Tombigbee	69
W2164 PFO	AR-36.5	PFO		0.05	03160203	Lower Tombigbee	69
W2165 PFO	AR-36.5	PFO		0.02	03160203	Lower Tombigbee	69
W2161 PFO	AR-36.5-EX	PFO		0.32	03160203	Lower Tombigbee	42
W2160 PFO	AR-36.5-EX	PFO		0.05	03160203	Lower Tombigbee	42
W2089 PFO	AR-39.5	PFO		0.02	03160203	Lower Tombigbee	71
W2088 PEM	AR-39.5	PEM		0.08	03160203	Lower Tombigbee	71
W2087 PFO	AR-39.5	PFO		0.32	03160203	Lower Tombigbee	45
W1115 PEM	AR-40.2	PEM		0.02	03160203	Lower Tombigbee	45
W1069 PFO	AR-40.6	PFO		1.05	03160203	Lower Tombigbee	46
W2091 PEM	AR-41.5	PEM		0.01	03160203	Lower Tombigbee	73
W1068 PEM	AR-45.6	PEM		0.00	03160203	Lower Tombigbee	53
W1114 PEM	AR-51.1	PEM		0.01	03160203	Lower Tombigbee	59

Palustrine Emergent Total	**63.10**
Palustrine Scrub-Shrub Total	**16.14**
Palustrine Forested Total	**123.74**
Grand Total	**202.97**

Appendix A - Wetland Data Table
Lowman Pipeline Project
NextEra Energy Pipeline Holdings (Lowman), Inc.

FOIA Note: Dated September 28, 2020

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1117 PEM	0.00	PEM	[redacted]		0.22	03160201	Middle Tombigbee-Chickasaw	1
W2033 PEM	0.21	PEM			0.55	03160201	Middle Tombigbee-Chickasaw	1
W2032 PFO	0.26	PFO			0.08	03160201	Middle Tombigbee-Chickasaw	1
W2033 PFO	0.30	PFO			1.00	03160201	Middle Tombigbee-Chickasaw	1
W2034 PFO	0.41	PFO			0.37	03160201	Middle Tombigbee-Chickasaw	1
W2078 PFO	0.54	PFO			0.60	03160201	Middle Tombigbee-Chickasaw	1
W2039 PFO	0.92	PFO			2.00	03160201	Middle Tombigbee-Chickasaw	2
W2040 PFO	1.17	PFO			0.20	03160201	Middle Tombigbee-Chickasaw	2
W2144 PFO	1.73	PFO			0.12	03160201	Middle Tombigbee-Chickasaw	2
W1151 PFO	2.01	PFO			0.28	03160201	Middle Tombigbee-Chickasaw	3
W1150 PSS	2.10	PSS			0.21	03160201	Middle Tombigbee-Chickasaw	3
W1149 PFO	2.27	PFO			0.27	03160201	Middle Tombigbee-Chickasaw	3
W2070 PSS	2.35	PSS			0.34	03160201	Middle Tombigbee-Chickasaw	3
W2071 PSS	2.49	PSS			0.19	03160201	Middle Tombigbee-Chickasaw	3
W2072 PEM	3.05	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	4
W2131 PEM	3.52	PEM			0.05	03160201	Middle Tombigbee-Chickasaw	4
W2130 PEM	3.54	PEM			0.10	03160201	Middle Tombigbee-Chickasaw	4
W2132 PEM	3.57	PEM			1.25	03160201	Middle Tombigbee-Chickasaw	5
W1118 PEM	3.78	PEM			0.08	03160201	Middle Tombigbee-Chickasaw	5
W1119 PFO	3.78	PFO			0.03	03160201	Middle Tombigbee-Chickasaw	5
W2128 PFO	3.83	PFO	(b)(7)f		1.54	03160201	Middle Tombigbee-Chickasaw	5
W2129 PFO	3.94	PFO			0.06	03160201	Middle Tombigbee-Chickasaw	5
W2127 PFO	4.03	PFO			0.17	03160201	Middle Tombigbee-Chickasaw	5
W2126 PFO	4.14	PFO			0.23	03160201	Middle Tombigbee-Chickasaw	5
W2124 PFO	4.20	PFO			2.65	03160201	Middle Tombigbee-Chickasaw	5
W2125 PFO	4.27	PFO			0.25	03160201	Middle Tombigbee-Chickasaw	5
W2123 PFO	4.31	PFO			0.01	03160201	Middle Tombigbee-Chickasaw	5
W2121 PEM	4.34	PEM			0.14	03160201	Middle Tombigbee-Chickasaw	5
W2120 PFO	4.47	PFO			0.21	03160201	Middle Tombigbee-Chickasaw	5
W2119 PFO	4.55	PFO			0.35	03160201	Middle Tombigbee-Chickasaw	5
W1109 PSS	4.55	PSS			0.10	03160201	Middle Tombigbee-Chickasaw	6
W2101 PFO	4.64	PFO			1.33	03160201	Middle Tombigbee-Chickasaw	6
W2118 PFO	4.66	PFO			0.19	03160201	Middle Tombigbee-Chickasaw	6
W2102 PFO	4.69	PFO			0.76	03160201	Middle Tombigbee-Chickasaw	6
W2117 PFO	4.77	PFO			0.34	03160201	Middle Tombigbee-Chickasaw	6
W2116 PFO	4.83	PFO			0.31	03160201	Middle Tombigbee-Chickasaw	6
W1106 PSS	4.84	PSS			0.04	03160201	Middle Tombigbee-Chickasaw	6
W1107 PFO	4.89	PFO			0.03	03160201	Middle Tombigbee-Chickasaw	6
W2115 PFO	4.90	PFO			0.04	03160201	Middle Tombigbee-Chickasaw	6
W1108 PEM	4.95	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	6

Appendix A - Wetland Data Table
Lowman Pipeline Project
NextEra Energy Pipeline Holdings (Lowman), Inc.

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W2114 PFO	5.02	PFO	[redacted]	[redacted]	0.34	03160201	Middle Tombigbee-Chickasaw	6
W2114 PEM	5.06	PEM	[redacted]	[redacted]	0.05	03160201	Middle Tombigbee-Chickasaw	6
W2113 PFO	5.17	PFO	[redacted]	[redacted]	0.06	03160201	Middle Tombigbee-Chickasaw	6
W2111 PFO	5.28	PFO	[redacted]	[redacted]	0.24	03160201	Middle Tombigbee-Chickasaw	6
W2112 PEM	5.30	PEM	[redacted]	[redacted]	0.08	03160201	Middle Tombigbee-Chickasaw	6
W1103 PFO	5.42	PFO	[redacted]	[redacted]	0.07	03160201	Middle Tombigbee-Chickasaw	7
W1104 PSS	5.44	PSS	[redacted]	[redacted]	0.03	03160201	Middle Tombigbee-Chickasaw	7
W2110 PFO	5.46	PFO	[redacted]	[redacted]	0.03	03160201	Middle Tombigbee-Chickasaw	7
W1105 PFO	5.51	PFO	[redacted]	[redacted]	0.45	03160201	Middle Tombigbee-Chickasaw	7
W2108 PFO	5.58	PFO	[redacted]	[redacted]	0.48	03160201	Middle Tombigbee-Chickasaw	7
W2109 PFO	5.59	PFO	[redacted]	[redacted]	0.82	03160201	Middle Tombigbee-Chickasaw	7
W2107 PFO	5.76	PFO	[redacted]	[redacted]	2.54	03160201	Middle Tombigbee-Chickasaw	7
W2106 PEM	5.89	PEM	[redacted]	[redacted]	0.03	03160201	Middle Tombigbee-Chickasaw	7
W1143 PFO	5.95	PFO	[redacted]	[redacted]	0.23	03160201	Middle Tombigbee-Chickasaw	7
W1145 PFO	6.01	PFO	[redacted]	[redacted]	0.12	03160201	Middle Tombigbee-Chickasaw	7
W1144 PFO	6.10	PFO	[redacted]	[redacted]	0.02	03160201	Middle Tombigbee-Chickasaw	7
W1148 PEM	6.13	PEM	[redacted]	[redacted]	0.12	03160201	Middle Tombigbee-Chickasaw	7
W2122 PFO	6.18	PFO	[redacted]	[redacted]	0.11	03160201	Middle Tombigbee-Chickasaw	7
W1159 PFO	6.38	PFO	[redacted]	[redacted]	0.09	03160201	Middle Tombigbee-Chickasaw	8
W2134 PFO	6.43	PFO	[redacted]	[redacted]	0.82	03160201	Middle Tombigbee-Chickasaw	8
W2133 PFO	6.47	PFO	[redacted]	[redacted]	0.25	03160201	Middle Tombigbee-Chickasaw	8
W2136 PEM	6.61	PEM	[redacted]	[redacted]	0.32	03160201	Middle Tombigbee-Chickasaw	8
W2135 PFO	6.72	PFO	[redacted]	[redacted]	3.96	03160201	Middle Tombigbee-Chickasaw	8
W2136 PSS	6.77	PSS	[redacted]	[redacted]	0.12	03160201	Middle Tombigbee-Chickasaw	8
W2136 PFO	6.77	PFO	[redacted]	[redacted]	4.16	03160201	Middle Tombigbee-Chickasaw	8
W2135 PSS	6.78	PSS	[redacted]	[redacted]	1.94	03160201	Middle Tombigbee-Chickasaw	8
W1147 PEM	6.90	PEM	[redacted]	[redacted]	0.30	03160201	Middle Tombigbee-Chickasaw	8
W1101 PEM	7.08	PEM	[redacted]	[redacted]	0.03	03160201	Middle Tombigbee-Chickasaw	8
W1100 PEM	7.11	PEM	[redacted]	[redacted]	0.23	03160201	Middle Tombigbee-Chickasaw	8
W1102 PFO	7.13	PFO	[redacted]	[redacted]	0.06	03160201	Middle Tombigbee-Chickasaw	8
W1099 PEM	7.62	PEM	[redacted]	[redacted]	0.17	03160201	Middle Tombigbee-Chickasaw	9
W1096 PFO	7.83	PFO	[redacted]	[redacted]	0.03	03160201	Middle Tombigbee-Chickasaw	9
W1097 PFO	7.87	PFO	[redacted]	[redacted]	0.01	03160201	Middle Tombigbee-Chickasaw	9
W1095 PFO	7.95	PFO	[redacted]	[redacted]	0.16	03160201	Middle Tombigbee-Chickasaw	9
W1098 PFO	8.06	PFO	[redacted]	[redacted]	2.15	03160201	Middle Tombigbee-Chickasaw	9
W1094 PEM	8.07	PEM	[redacted]	[redacted]	0.51	03160201	Middle Tombigbee-Chickasaw	9
W1094 PFO	8.15	PFO	[redacted]	[redacted]	0.58	03160201	Middle Tombigbee-Chickasaw	10
W1093 PEM	8.22	PEM	[redacted]	[redacted]	0.05	03160201	Middle Tombigbee-Chickasaw	10
W1082 PEM	8.34	PEM	[redacted]	[redacted]	0.02	03160201	Middle Tombigbee-Chickasaw	10
W1083 PEM	8.42	PEM	[redacted]	[redacted]	0.01	03160201	Middle Tombigbee-Chickasaw	10

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1084 PEM	8.51	PEM	[redacted]		0.06	03160201	Middle Tombigbee-Chickasaw	10
W1110 PSS	8.58	PSS	[redacted]		0.10	03160201	Middle Tombigbee-Chickasaw	10
W1111 PEM	8.68	PEM	[redacted]		2.83	03160201	Middle Tombigbee-Chickasaw	10
W1112 PFO	8.79	PFO	[redacted]		0.42	03160201	Middle Tombigbee-Chickasaw	10
W1086 PEM	8.82	PEM	[redacted]		0.06	03160201	Middle Tombigbee-Chickasaw	10
W1085 PEM	8.84	PEM	[redacted]		0.16	03160201	Middle Tombigbee-Chickasaw	10
W1087 PEM	8.94	PEM	[redacted]		0.01	03160201	Middle Tombigbee-Chickasaw	10
W1088 PFO	9.01	PFO	[redacted]		0.13	03160201	Middle Tombigbee-Chickasaw	11
W1089 PFO	9.03	PFO	[redacted]		0.04	03160201	Middle Tombigbee-Chickasaw	11
W1092 PEM	9.15	PEM	[redacted]		0.33	03160201	Middle Tombigbee-Chickasaw	11
W1090 PEM	9.16	PEM	[redacted]		0.65	03160201	Middle Tombigbee-Chickasaw	11
W1091 PEM	9.17	PEM	[redacted]		0.24	03160201	Middle Tombigbee-Chickasaw	11
W2141 PFO	9.35	PFO	[redacted]		2.97	03160201	Middle Tombigbee-Chickasaw	11
W2141 PEM	9.49	PEM	[redacted]		0.52	03160201	Middle Tombigbee-Chickasaw	11
W2143 PSS	9.50	PSS	[redacted]		0.61	03160201	Middle Tombigbee-Chickasaw	11
W2143 PEM	9.52	PEM	[redacted]		0.40	03160201	Middle Tombigbee-Chickasaw	11
W2142 PEM	9.61	PEM	[redacted]		0.04	03160201	Middle Tombigbee-Chickasaw	11
W1175 PSS	9.65	PSS	[redacted]		0.30	03160201	Middle Tombigbee-Chickasaw	11
W1176 PSS	9.67	PSS	[redacted]		0.04	03160201	Middle Tombigbee-Chickasaw	11
W2140 PFO	9.69	PFO	[redacted]		0.83	03160201	Middle Tombigbee-Chickasaw	11
W2146 PEM	9.98	PEM	[redacted] (b)(7)f		0.56	03160201	Middle Tombigbee-Chickasaw	12
W2137 PFO	10.04	PFO	[redacted]		0.95	03160201	Middle Tombigbee-Chickasaw	12
W1168 PFO	10.20	PFO	[redacted]		0.04	03160201	Middle Tombigbee-Chickasaw	12
W2138 PFO	10.35	PFO	[redacted]		0.09	03160201	Middle Tombigbee-Chickasaw	12
W2139 PFO	10.52	PFO	[redacted]		0.62	03160201	Middle Tombigbee-Chickasaw	12
W2096 PFO	10.84	PFO	[redacted]		0.10	03160201	Middle Tombigbee-Chickasaw	12
W2094 PSS	10.85	PSS	[redacted]		0.04	03160201	Middle Tombigbee-Chickasaw	12
W2095 PFO	10.85	PFO	[redacted]		0.02	03160201	Middle Tombigbee-Chickasaw	12
W1136 PFO	10.87	PFO	[redacted]		0.03	03160201	Middle Tombigbee-Chickasaw	12
W2093 PFO	10.91	PFO	[redacted]		0.19	03160201	Middle Tombigbee-Chickasaw	12
W1172 PFO	10.99	PFO	[redacted]		0.06	03160201	Middle Tombigbee-Chickasaw	13
W2092 PFO	11.00	PFO	[redacted]		0.18	03160201	Middle Tombigbee-Chickasaw	13
W1153 PEM	11.08	PEM	[redacted]		0.02	03160201	Middle Tombigbee-Chickasaw	13
W2086 PFO	11.10	PFO	[redacted]		0.39	03160201	Middle Tombigbee-Chickasaw	13
W2085 PFO	11.33	PFO	[redacted]		0.59	03160201	Middle Tombigbee-Chickasaw	13
W2084 PFO	11.44	PFO	[redacted]		0.87	03160201	Middle Tombigbee-Chickasaw	13
W2084 PEM	11.44	PEM	[redacted]		0.38	03160201	Middle Tombigbee-Chickasaw	13
W2084 PSS	11.45	PSS	[redacted]		0.09	03160201	Middle Tombigbee-Chickasaw	13
W2083 PEM	11.72	PEM	[redacted]		0.04	03160201	Middle Tombigbee-Chickasaw	13
W2082 PSS	11.76	PSS	[redacted]		0.60	03160201	Middle Tombigbee-Chickasaw	14

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1137 PFO	12.08	PFO	[redacted] (b)(7)f		0.58	03160201	Middle Tombigbee-Chickasaw	14
W1052 PFO	12.20	PFO			0.24	03160201	Middle Tombigbee-Chickasaw	14
W1051 PFO	12.72	PFO			0.33	03160201	Middle Tombigbee-Chickasaw	15
W1050 PSS	13.23	PSS			0.17	03160201	Middle Tombigbee-Chickasaw	15
W1050 PFO	13.27	PFO			0.89	03160201	Middle Tombigbee-Chickasaw	15
W1049 PFO	13.41	PFO			0.26	03160201	Middle Tombigbee-Chickasaw	15
W1049 PSS	13.42	PSS			0.06	03160201	Middle Tombigbee-Chickasaw	15
W1048 PSS	13.88	PSS			0.10	03160201	Middle Tombigbee-Chickasaw	16
W1065 PSS	14.06	PSS			0.40	03160201	Middle Tombigbee-Chickasaw	16
W1066 PEM	14.31	PEM			0.42	03160201	Middle Tombigbee-Chickasaw	16
W1066 PSS	14.33	PSS			0.62	03160201	Middle Tombigbee-Chickasaw	16
W1067 PEM	14.36	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	16
W1053 PSS	14.37	PSS			0.05	03160201	Middle Tombigbee-Chickasaw	16
W1054 PEM	14.39	PEM			0.73	03160201	Middle Tombigbee-Chickasaw	16
W1054 PSS	14.43	PSS			1.78	03160201	Middle Tombigbee-Chickasaw	16
W1054 PFO	14.43	PFO			0.65	03160201	Middle Tombigbee-Chickasaw	16
W1055 PEM	14.47	PEM			0.43	03160201	Middle Tombigbee-Chickasaw	16
W1056 PFO	14.62	PFO			3.21	03160201	Middle Tombigbee-Chickasaw	16
W1056 PEM	14.65	PEM			0.68	03160201	Middle Tombigbee-Chickasaw	17
W1056 PSS	14.67	PSS			0.67	03160201	Middle Tombigbee-Chickasaw	17
W1060 PFO	14.78	PFO			0.08	03160201	Middle Tombigbee-Chickasaw	17
W1059 PFO	14.88	PFO			0.40	03160201	Middle Tombigbee-Chickasaw	17
W1058 PFO	15.00	PFO			0.30	03160201	Middle Tombigbee-Chickasaw	17
W1057 PSS	15.02	PSS			0.12	03160201	Middle Tombigbee-Chickasaw	17
W1063 PEM	15.06	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	17
W1064 PFO	15.08	PFO			0.07	03160201	Middle Tombigbee-Chickasaw	17
W1064 PEM	15.11	PEM			0.61	03160201	Middle Tombigbee-Chickasaw	17
W1062 PFO	15.51	PFO			0.03	03160201	Middle Tombigbee-Chickasaw	17
W1061 PFO	15.59	PFO			0.06	03160201	Middle Tombigbee-Chickasaw	18
W2081 PFO	15.79	PFO			0.20	03160201	Middle Tombigbee-Chickasaw	18
W2080 PFO	15.97	PFO			0.11	03160201	Middle Tombigbee-Chickasaw	18
W2079 PFO	16.07	PFO			0.24	03160201	Middle Tombigbee-Chickasaw	18
W2077 PFO	16.14	PFO			0.23	03160201	Middle Tombigbee-Chickasaw	18
W2076 PFO	16.32	PFO			0.37	03160201	Middle Tombigbee-Chickasaw	18
W2076 PEM	16.37	PEM			0.26	03160201	Middle Tombigbee-Chickasaw	18
W2076 PSS	16.38	PSS			0.12	03160201	Middle Tombigbee-Chickasaw	18
W2074 PFO	16.49	PFO			2.69	03160201	Middle Tombigbee-Chickasaw	19
W1079 PEM	16.55	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	19
W2027 PSS	16.62	PSS			0.51	03160201	Middle Tombigbee-Chickasaw	19
W1078 PEM	16.67	PEM			0.05	03160201	Middle Tombigbee-Chickasaw	19

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1077 PEM	16.69	PEM	[redacted]		0.02	03160201	Middle Tombigbee-Chickasaw	19
W2073 PEM	16.77	PEM			0.36	03160201	Middle Tombigbee-Chickasaw	19
W2027 PFO	16.87	PFO			5.79	03160201	Middle Tombigbee-Chickasaw	19
W2026 PFO	17.02	PFO			3.50	03160201	Middle Tombigbee-Chickasaw	19
W2025 PEM	17.13	PEM			7.50	03160201	Middle Tombigbee-Chickasaw	19
W2066 PEM	17.26	PEM			0.53	03160201	Middle Tombigbee-Chickasaw	19
W2065 PFO	17.39	PFO			1.53	03160201	Middle Tombigbee-Chickasaw	20
W2065 PEM	17.47	PEM			5.03	03160201	Middle Tombigbee-Chickasaw	20
W2067 PEM	17.63	PEM			8.41	03160201	Middle Tombigbee-Chickasaw	20
W2068 PEM	17.86	PEM			5.18	03160201	Middle Tombigbee-Chickasaw	20
W2069 PEM	17.86	PEM			1.74	03160201	Middle Tombigbee-Chickasaw	20
W2068 PSS	17.98	PSS			0.94	03160201	Middle Tombigbee-Chickasaw	20
W1076 PSS	18.36	PSS			0.51	03160201	Middle Tombigbee-Chickasaw	21
W1075 PEM	18.46	PEM			0.31	03160201	Middle Tombigbee-Chickasaw	21
W2053 PFO	18.53	PFO			2.38	03160201	Middle Tombigbee-Chickasaw	21
W2052 PFO	18.67	PFO			0.83	03160201	Middle Tombigbee-Chickasaw	21
W2050 PFO	18.76	PFO			0.14	03160201	Middle Tombigbee-Chickasaw	21
W2051 PFO	18.77	PFO			0.08	03160201	Middle Tombigbee-Chickasaw	21
W2054 PFO	18.97	PFO			0.83	03160201	Middle Tombigbee-Chickasaw	21
W2054 PEM	19.04	PEM			3.09	03160201	Middle Tombigbee-Chickasaw	22
W2055 PEM	19.15	PEM	(b)(7)f		0.02	03160201	Middle Tombigbee-Chickasaw	22
W2056 PEM	19.20	PEM			1.29	03160201	Middle Tombigbee-Chickasaw	22
W2103 PEM	19.32	PEM			0.38	03160201	Middle Tombigbee-Chickasaw	22
W2104 PEM	19.38	PEM			0.32	03160201	Middle Tombigbee-Chickasaw	22
W2057 PFO	19.50	PFO			0.49	03160201	Middle Tombigbee-Chickasaw	22
W2059 PFO	19.58	PFO			0.05	03160201	Middle Tombigbee-Chickasaw	22
W2058 PFO	19.65	PFO			1.53	03160201	Middle Tombigbee-Chickasaw	22
W2060 PFO	19.71	PFO			0.08	03160201	Middle Tombigbee-Chickasaw	22
W2061 PFO	19.80	PFO			0.13	03160201	Middle Tombigbee-Chickasaw	22
W2063 PEM	20.00	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	23
W2064 PEM	20.00	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	23
W2062 PFO	20.04	PFO			0.34	03160201	Middle Tombigbee-Chickasaw	23
W1046 PSS	20.42	PSS			0.08	03160201	Middle Tombigbee-Chickasaw	23
W1045 PEM	20.60	PEM			0.19	03160201	Middle Tombigbee-Chickasaw	23
W1044 PEM	20.64	PEM			0.17	03160201	Middle Tombigbee-Chickasaw	23
W1047 PEM	20.65	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	23
W1043 PFO	20.85	PFO			0.55	03160201	Middle Tombigbee-Chickasaw	24
W2049 PFO	21.20	PFO			2.97	03160201	Middle Tombigbee-Chickasaw	24
W2049 PEM	21.29	PEM			0.60	03160201	Middle Tombigbee-Chickasaw	24
W2048 PFO	21.58	PFO			3.85	03160201	Middle Tombigbee-Chickasaw	24

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1031 PFO	22.09	PFO	[redacted]	[redacted]	0.18	03160201	Middle Tombigbee-Chickasaw	25
W1031 PEM	22.19	PEM	[redacted]	[redacted]	4.51	03160201	Middle Tombigbee-Chickasaw	25
W1032 PEM	22.29	PEM	[redacted]	[redacted]	0.19	03160201	Middle Tombigbee-Chickasaw	25
W1033 PEM	22.34	PEM	[redacted]	[redacted]	0.18	03160201	Middle Tombigbee-Chickasaw	25
W1033 PFO	22.42	PFO	[redacted]	[redacted]	3.01	03160201	Middle Tombigbee-Chickasaw	25
W1034 PEM	22.57	PEM	[redacted]	[redacted]	0.11	03160201	Middle Tombigbee-Chickasaw	25
W1035 PSS	22.57	PSS	[redacted]	[redacted]	0.00	03160201	Middle Tombigbee-Chickasaw	25
W1036 PEM	23.28	PEM	[redacted]	[redacted]	0.11	03160201	Middle Tombigbee-Chickasaw	26
W1037 PEM	23.36	PEM	[redacted]	[redacted]	0.04	03160201	Middle Tombigbee-Chickasaw	26
W1038 PSS	23.49	PSS	[redacted]	[redacted]	0.05	03160201	Middle Tombigbee-Chickasaw	27
W1039 PEM	23.81	PEM	[redacted]	[redacted]	0.01	03160201	Middle Tombigbee-Chickasaw	27
W1134 PSS	23.82	PSS	[redacted]	[redacted]	0.14	03160201	Middle Tombigbee-Chickasaw	27
W1040 PEM	23.92	PEM	[redacted]	[redacted]	0.01	03160201	Middle Tombigbee-Chickasaw	27
W1155 PEM	25.48	PEM	[redacted]	[redacted]	0.01	03160203	Lower Tombigbee	29
W2041 PEM	25.52	PEM	[redacted]	[redacted]	0.03	03160203	Lower Tombigbee	29
W2047 PEM	25.65	PEM	[redacted]	[redacted]	0.04	03160203	Lower Tombigbee	29
W2046 PFO	25.70	PFO	[redacted]	[redacted]	0.24	03160203	Lower Tombigbee	29
W2045 PFO	25.89	PFO	[redacted]	[redacted]	0.18	03160203	Lower Tombigbee	29
W2044 PFO	26.06	PFO	[redacted]	[redacted]	0.09	03160203	Lower Tombigbee	29
W2043 PFO	26.13	PFO	[redacted]	[redacted]	0.58	03160203	Lower Tombigbee	30
W1160 PFO	26.53	PFO	(b)(7)f [redacted]	[redacted]	0.96	03160203	Lower Tombigbee	30
W1161 PFO	26.96	PFO	[redacted]	[redacted]	1.37	03160203	Lower Tombigbee	30
W1164 PSS	27.10	PSS	[redacted]	[redacted]	0.73	03160203	Lower Tombigbee	31
W1163 PEM	27.15	PEM	[redacted]	[redacted]	0.51	03160203	Lower Tombigbee	31
W1162 PFO	27.15	PFO	[redacted]	[redacted]	4.60	03160203	Lower Tombigbee	31
W1154 PSS	27.33	PSS	[redacted]	[redacted]	1.53	03160203	Lower Tombigbee	31
W1152 PFO	27.41	PFO	[redacted]	[redacted]	0.64	03160203	Lower Tombigbee	31
W1070 PEM	27.61	PEM	[redacted]	[redacted]	0.04	03160203	Lower Tombigbee	31
W2042 PFO	27.65	PFO	[redacted]	[redacted]	1.45	03160203	Lower Tombigbee	31
W2038 PEM	27.72	PEM	[redacted]	[redacted]	0.05	03160203	Lower Tombigbee	31
W2038 PFO	27.80	PFO	[redacted]	[redacted]	3.71	03160203	Lower Tombigbee	31
W1166 PEM	28.05	PEM	[redacted]	[redacted]	0.21	03160203	Lower Tombigbee	32
W1173 PFO	28.39	PFO	[redacted]	[redacted]	0.15	03160203	Lower Tombigbee	32
W2037 PEM	29.38	PEM	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	33
W2036 PFO	29.46	PFO	[redacted]	[redacted]	0.30	03160203	Lower Tombigbee	33
W2035 PFO	29.64	PFO	[redacted]	[redacted]	0.13	03160203	Lower Tombigbee	33
W1030 PEM	30.31	PEM	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	34
W1125 PFO	31.13	PFO	[redacted]	[redacted]	0.04	03160203	Lower Tombigbee	35
W1029 PFO	31.24	PFO	[redacted]	[redacted]	0.21	03160203	Lower Tombigbee	35
W1028 PEM	31.27	PEM	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	35

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1027 PSS	31.41	PSS	[redacted]	[redacted]	0.14	03160203	Lower Tombigbee	35
W1124 PFO	32.69	PFO	[redacted]	[redacted]	0.08	03160203	Lower Tombigbee	37
W2151 PEM	32.69	PEM	[redacted]	[redacted]	0.05	03160203	Lower Tombigbee	37
W1120 PFO	32.69	PFO	[redacted]	[redacted]	0.17	03160203	Lower Tombigbee	37
W2151 PFO	32.71	PFO	[redacted]	[redacted]	0.08	03160203	Lower Tombigbee	37
W2152 PEM	32.75	PEM	[redacted]	[redacted]	0.07	03160203	Lower Tombigbee	37
W2153 PFO	32.77	PFO	[redacted]	[redacted]	0.01	03160203	Lower Tombigbee	37
W1017 PFO	32.89	PFO	[redacted]	[redacted]	0.57	03160203	Lower Tombigbee	37
W1018 PFO	32.95	PFO	[redacted]	[redacted]	0.19	03160203	Lower Tombigbee	37
W1019 PEM	32.97	PEM	[redacted]	[redacted]	0.09	03160203	Lower Tombigbee	37
W1020 PEM	33.05	PEM	[redacted]	[redacted]	0.11	03160203	Lower Tombigbee	37
W1023 PFO	33.23	PFO	[redacted]	[redacted]	0.38	03160203	Lower Tombigbee	37
W1022 PFO	33.36	PFO	[redacted]	[redacted]	3.40	03160203	Lower Tombigbee	37
W1024 PFO	33.67	PFO	[redacted]	[redacted]	0.03	03160203	Lower Tombigbee	38
W1025 PFO	33.85	PFO	[redacted]	[redacted]	0.06	03160203	Lower Tombigbee	38
W2031 PFO	34.13	PFO	[redacted]	[redacted]	0.50	03160203	Lower Tombigbee	38
W2090 PFO	34.61	PFO	[redacted]	[redacted]	0.22	03160203	Lower Tombigbee	38
W2030 PEM	34.98	PEM	[redacted]	[redacted]	1.37	03160203	Lower Tombigbee	39
W2017 PFO	35.34	PFO	[redacted]	[redacted]	0.77	03160203	Lower Tombigbee	39
W2147 PFO	35.57	PFO	[redacted]	[redacted]	0.03	03160203	Lower Tombigbee	39
W2018 PFO	35.84	PFO	[redacted] (b)(7)f	[redacted]	1.10	03160203	Lower Tombigbee	40
W2019 PSS	36.10	PSS	[redacted]	[redacted]	2.76	03160203	Lower Tombigbee	40
W2020 PFO	36.70	PFO	[redacted]	[redacted]	0.13	03160203	Lower Tombigbee	41
W2021 PEM	36.76	PEM	[redacted]	[redacted]	0.00	03160203	Lower Tombigbee	41
W1015 PFO	36.82	PFO	[redacted]	[redacted]	0.11	03160203	Lower Tombigbee	41
W1014 PFO	37.22	PFO	[redacted]	[redacted]	2.48	03160203	Lower Tombigbee	41
W1011 PFO	38.37	PFO	[redacted]	[redacted]	0.27	03160203	Lower Tombigbee	43
W1010 PFO	38.87	PFO	[redacted]	[redacted]	2.01	03160203	Lower Tombigbee	43
W1009 PEM	39.75	PEM	[redacted]	[redacted]	0.09	03160203	Lower Tombigbee	44
W1009 PFO	39.78	PFO	[redacted]	[redacted]	0.57	03160203	Lower Tombigbee	44
W2014 PEM	39.84	PEM	[redacted]	[redacted]	0.05	03160203	Lower Tombigbee	44
W2015 PEM	39.89	PEM	[redacted]	[redacted]	0.27	03160203	Lower Tombigbee	44
W2013 PSS	40.19	PSS	[redacted]	[redacted]	0.31	03160203	Lower Tombigbee	45
W2013 PEM	40.22	PEM	[redacted]	[redacted]	1.09	03160203	Lower Tombigbee	45
W2013 PFO	40.29	PFO	[redacted]	[redacted]	5.48	03160203	Lower Tombigbee	45
W2016 PFO	40.47	PFO	[redacted]	[redacted]	0.26	03160203	Lower Tombigbee	45
W1016 PFO	40.63	PFO	[redacted]	[redacted]	0.23	03160203	Lower Tombigbee	45
W2024 PFO	41.79	PFO	[redacted]	[redacted]	0.38	03160203	Lower Tombigbee	47
W2023 PFO	41.92	PFO	[redacted]	[redacted]	0.20	03160203	Lower Tombigbee	47
W2023 PEM	41.94	PEM	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	47

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W1165 PEM	42.04	PEM	[redacted]		0.03	03160203	Lower Tombigbee	47
W2028 PSS	42.52	PSS			0.03	03160203	Lower Tombigbee	47
W2029 PEM	42.53	PEM			0.06	03160203	Lower Tombigbee	48
W1012 PFO	43.43	PFO			0.63	03160203	Lower Tombigbee	49
W1013 PFO	43.68	PFO			0.17	03160203	Lower Tombigbee	49
W1008 PSS	43.97	PSS			0.39	03160203	Lower Tombigbee	49
W1008 PFO	44.04	PFO			2.30	03160203	Lower Tombigbee	49
W2105 PSS	45.76	PSS			0.03	03160203	Lower Tombigbee	51
W2012 PEM	47.47	PEM			0.79	03160203	Lower Tombigbee	53
W2008 PEM	48.30	PEM			0.08	03160203	Lower Tombigbee	54
W2150 PEM	48.42	PEM			0.02	03160203	Lower Tombigbee	54
W2009 PEM	48.42	PEM			0.24	03160203	Lower Tombigbee	54
W2009 PFO	48.43	PFO			0.41	03160203	Lower Tombigbee	54
W2010 PFO	48.92	PFO			0.16	03160203	Lower Tombigbee	55
W2010 PEM	48.94	PEM			0.38	03160203	Lower Tombigbee	55
W2011 PFO	49.17	PFO			0.46	03160203	Lower Tombigbee	55
W2011 PEM	49.19	PEM			0.14	03160203	Lower Tombigbee	55
W1007 PFO	49.46	PFO			0.63	03160203	Lower Tombigbee	56
W1007 PEM	49.48	PEM			0.25	03160203	Lower Tombigbee	56
W1006 PEM	49.96	PEM			0.09	03160203	Lower Tombigbee	56
W1005 PFO	50.07	PFO	(b)(7)f		0.51	03160203	Lower Tombigbee	56
W1005 PEM	50.09	PEM			0.04	03160203	Lower Tombigbee	56
W1005 PSS	50.09	PSS			1.79	03160203	Lower Tombigbee	56
W1004 PEM	50.21	PEM			1.56	03160203	Lower Tombigbee	56
W1071 PSS	50.32	PSS			0.14	03160203	Lower Tombigbee	56
W1072 PEM	50.85	PEM			0.02	03160203	Lower Tombigbee	57
W1073 PEM	51.27	PEM			0.16	03160203	Lower Tombigbee	57
W1074 PFO	51.34	PFO			0.36	03160203	Lower Tombigbee	57
W2002 PEM	51.51	PEM			0.07	03160203	Lower Tombigbee	58
W2003 PEM	51.68	PEM			0.37	03160203	Lower Tombigbee	58
W2004 PFO	51.76	PFO			1.21	03160203	Lower Tombigbee	58
W2004 PSS	51.77	PSS			0.62	03160203	Lower Tombigbee	58
W2001 PEM	52.12	PEM			0.10	03160203	Lower Tombigbee	58
W1001 PSS	52.34	PSS			0.32	03160203	Lower Tombigbee	58
W1001 PFO	52.39	PFO			3.36	03160203	Lower Tombigbee	59
W1001 PEM	52.39	PEM			1.05	03160203	Lower Tombigbee	59
W1002 PEM	52.46	PEM			0.63	03160203	Lower Tombigbee	59
W1002 PFO	52.49	PFO			0.50	03160203	Lower Tombigbee	59
W1003 PFO	52.57	PFO			4.03	03160203	Lower Tombigbee	59
W1003 PEM	52.62	PEM			0.36	03160203	Lower Tombigbee	59

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W2007 PFO	53.20	PFO	[redacted]		1.44	03160203	Lower Tombigbee	59
W2007 PEM	53.21	PEM			0.17	03160203	Lower Tombigbee	59
W2022 PEM	53.46	PEM	(b)(7)f		0.13	03160203	Lower Tombigbee	60
W2022 PFO	53.47	PFO			0.29	03160203	Lower Tombigbee	60
W2006 PSS	53.58	PSS			0.28	03160203	Lower Tombigbee	60
W2005 PFO	53.89	PFO			0.30	03160203	Lower Tombigbee	60
Pipe Yards								
W1130 PEM	CY-02	PEM	[redacted]		0.19	03160201	Middle Tombigbee-Chickasaw	75
W1141 PEM	CY-02	PEM			1.19	03160203	Lower Tombigbee	73
W1142 PEM	CY-02	PEM			0.23	03160203	Lower Tombigbee	73
W3001 PEM	PY-01	PEM			0.47	03160201	Middle Tombigbee-Chickasaw	75
W1129 PEM	PY-01	PEM	(b)(7)f		0.42	03160201	Middle Tombigbee-Chickasaw	75
W1131 PEM	PY-01	PEM			0.07	03160201	Middle Tombigbee-Chickasaw	75
W1138 PFO	PY-02	PFO			0.79	03160203	Lower Tombigbee	73
W1139 PEM	PY-02	PEM			0.96	03160203	Lower Tombigbee	73
W1140 PEM	PY-02	PEM			0.61	03160203	Lower Tombigbee	73
Access Roads								
W2145 PFO	AR-01.4	PFO	[redacted]		0.34	03160201	Middle Tombigbee-Chickasaw	62
W1118 PEM	AR-03.6	PEM			0.08	03160201	Middle Tombigbee-Chickasaw	5
W1119 PFO	AR-03.6	PFO			0.03	03160201	Middle Tombigbee-Chickasaw	5
W1132 PFO	AR-16.2	PFO			0.13	03160201	Middle Tombigbee-Chickasaw	18
W1133 PSS	AR-16.2	PSS			0.02	03160201	Middle Tombigbee-Chickasaw	18
W2075 PSS	AR-16.2-EX	PSS			0.13	03160201	Middle Tombigbee-Chickasaw	19
W2027 PFO	AR-16.4	PFO			5.79	03160201	Middle Tombigbee-Chickasaw	19
W2099 PEM	AR-17.3	PEM			0.01	03160201	Middle Tombigbee-Chickasaw	68
W2100 PEM	AR-17.3	PEM			0.02	03160201	Middle Tombigbee-Chickasaw	68
W2097 PEM	AR-18.5	PEM			0.10	03160201	Middle Tombigbee-Chickasaw	21
W2097 PFO	AR-18.5	PFO	(b)(7)f		0.04	03160201	Middle Tombigbee-Chickasaw	21
W2151 PEM	AR-31.7	PEM			0.05	03160203	Lower Tombigbee	37
W2151 PFO	AR-31.7	PFO			0.05	03160203	Lower Tombigbee	37
W2152 PEM	AR-31.7	PEM			0.07	03160203	Lower Tombigbee	37
W1127 PEM	AR-32.5	PEM			0.01	03160203	Lower Tombigbee	37
W1126 PEM	AR-32.5	PEM			0.04	03160203	Lower Tombigbee	37
W1128 PFO	AR-32.8	PFO			1.14	03160203	Lower Tombigbee	37
W1021 PSS	AR-33.1	PSS			0.15	03160203	Lower Tombigbee	37
W2147 PFO	AR-35.1	PFO			0.03	03160203	Lower Tombigbee	39
W2165 PEM	AR-35.1-EX	PEM			0.08	03160203	Lower Tombigbee	40
W2019 PFO	AR-35.1-EX	PFO			3.21	03160203	Lower Tombigbee	40

Appendix A - Wetland Data Table
Lowman Pipeline Project
NextEra Energy Pipeline Holdings (Lowman), Inc.

Wetland ID	Approximate MP	Waterbody Type	Latitude	Longitude	Acres	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
W2162 PEM	AR-36.5	PEM	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	41
W2163 PFO	AR-36.5	PFO	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	69
W2164 PFO	AR-36.5	PFO	[redacted]	[redacted]	0.05	03160203	Lower Tombigbee	69
W2165 PFO	AR-36.5	PFO	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	69
W2161 PFO	AR-36.5-EX	PFO	[redacted]	[redacted]	0.32	03160203	Lower Tombigbee	42
W2160 PFO	AR-36.5-EX	PFO	[redacted]	[redacted]	0.05	03160203	Lower Tombigbee	42
W2089 PFO	AR-39.5	PFO	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	71
W2088 PEM	AR-39.5	PEM	[redacted]	[redacted]	0.08	03160203	Lower Tombigbee	71
W2087 PFO	AR-39.5	PFO	[redacted]	[redacted]	0.32	03160203	Lower Tombigbee	45
W1115 PEM	AR-40.2	PEM	[redacted]	[redacted]	0.02	03160203	Lower Tombigbee	45
W1069 PFO	AR-40.6	PFO	[redacted]	[redacted]	1.05	03160203	Lower Tombigbee	46
W2091 PEM	AR-41.5	PEM	[redacted]	[redacted]	0.01	03160203	Lower Tombigbee	73
W1068 PEM	AR-45.6	PEM	[redacted]	[redacted]	0.00	03160203	Lower Tombigbee	53
W1114 PEM	AR-51.1	PEM	[redacted]	[redacted]	0.01	03160203	Lower Tombigbee	59

Palustrine Emergent Total	**69.90**
Palustrine Scrub-Shrub Total	**20.42**
Palustrine Forested Total	**143.44**
Grand Total	**233.76**

Appendix B

Waterbody Data Table

S1289	0.00	Ephemeral	[redacted]	Unnamed Trib. to Long Creek	102	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	1
S2048	0.30	Intermittent	[redacted]	Unnamed Trib. to Long Creek	136	2	0.01	03160201	Middle Tombigbee-Chickasaw	1
S2047	0.31	Perennial	[redacted]	Unnamed Trib. to Long Creek	375	3.5	0.03	03160201	Middle Tombigbee-Chickasaw	1
S2049	0.36	Intermittent	[redacted]	Unnamed Trib. to Long Creek	349	2	0.02	03160201	Middle Tombigbee-Chickasaw	1
S2050	0.41	Ephemeral	[redacted]	Unnamed Trib. to Long Creek	424	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	1
S2119	0.52	Ephemeral	[redacted]	Unnamed Trib. to Long Creek	71	1	0.00	03160201	Middle Tombigbee-Chickasaw	1
S2118	0.54	Perennial	[redacted]	Unnamed Trib. to Long Creek	430	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	1
S2057	0.85	Intermittent	[redacted]	Unnamed Trib. to Long Creek	544	2	0.02	03160201	Middle Tombigbee-Chickasaw	2
S2055	0.98	Ephemeral	[redacted]	Unnamed Trib. to Long Creek	183	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	2
S2056	0.98	Perennial	[redacted]	Unnamed Trib. to Long Creek	379	4	0.03	03160201	Middle Tombigbee-Chickasaw	2
S2115	1.55	Intermittent	[redacted]	Unnamed Trib. to Long Creek	505	3	0.03	03160201	Middle Tombigbee-Chickasaw	2
S2114	1.55	Perennial	[redacted]	Unnamed Trib. to Long Creek	69	2.5	0.00	03160201	Middle Tombigbee-Chickasaw	2
S2058	1.61	Perennial	[redacted]	Unnamed Trib. to Long Creek	972	4	0.09	03160201	Middle Tombigbee-Chickasaw	2
S2059	1.71	Ephemeral	[redacted]	Unnamed Trib. to Long Creek	473	2	0.02	03160201	Middle Tombigbee-Chickasaw	2
S2111	2.35	Intermittent	[redacted]	Unnamed Trib. to Church Branch	596	2	0.03	03160201	Middle Tombigbee-Chickasaw	3
S2112	2.49	Intermittent	[redacted]	Church Branch	336	2	0.02	03160201	Middle Tombigbee-Chickasaw	3
S2113	3.05	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	62	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	4
S2194	3.51	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	314	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	4
S2192	3.62	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	414	4	0.04	03160201	Middle Tombigbee-Chickasaw	5
S2193	3.62	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	61	2.5	0.00	03160201	Middle Tombigbee-Chickasaw	5
S2191	3.94	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	1,717	25	0.72	03160201	Middle Tombigbee-Chickasaw	5
S2190	3.99	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	332	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	5
S2189	4.07	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	748	2.5	0.04	03160201	Middle Tombigbee-Chickasaw	5
S1287	4.10	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	137	2	0.01	03160201	Middle Tombigbee-Chickasaw	5
S2188	4.21	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	137	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	5
S2187	4.23	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	113	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	5
S2184	4.45	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	984	2.5	0.06	03160201	Middle Tombigbee-Chickasaw	5
S2183	4.58	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	221	3	0.02	03160201	Middle Tombigbee-Chickasaw	6
S2154	4.63	Intermittent	[redacted]	Unnamed Trib. to Church Branch	372	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	6
S2182	4.86	Intermittent	[redacted]	Unnamed Trib. to Church Branch	342	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	6
S1286	4.87	Ephemeral	[redacted]	Unnamed Trib. to Church Branch	59	2.5	0.00	03160201	Middle Tombigbee-Chickasaw	6
S2181	4.92	Perennial	[redacted] (b)(7)f	Church Branch	732	7	0.12	03160201	Middle Tombigbee-Chickasaw	6
S2180	4.93	Ephemeral	[redacted]	Unnamed Trib. to Church Branch	113	2	0.01	03160201	Middle Tombigbee-Chickasaw	6
S2179	5.00	Perennial	[redacted]	Unnamed Trib. to Church Branch	369	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	6
S2178	5.12	Perennial	[redacted]	Unnamed Trib. to Church Branch	347	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	6
S2177	5.41	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	1 019	5	0.12	03160201	Middle Tombigbee-Chickasaw	7
S1285	5.43	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	154	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	7
S2175	5.64	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	510	2.5	0.03	03160201	Middle Tombigbee-Chickasaw	7
S2173	5.78	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	256	5	0.03	03160201	Middle Tombigbee-Chickasaw	7
S2174	5.78	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	70	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	7
S2172	5.87	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	58	2	0.00	03160201	Middle Tombigbee-Chickasaw	7
S2185	6.15	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	3 694	25	1.36	03160201	Middle Tombigbee-Chickasaw	7
S2195	6.31	Perennial	[redacted]	Bogueloosa Creek	441	30	0.17	03160201	Middle Tombigbee-Chickasaw	8
S2196	6.43	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	361	5	0.04	03160201	Middle Tombigbee-Chickasaw	8
S2198	6.73	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	121	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	8
S2197	6.74	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	136	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	8
S2199	6.88	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	283	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	8
S1280	7.06	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	767	3	0.05	03160201	Middle Tombigbee-Chickasaw	8
S1281	7.24	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	151	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	9
S1279	7.25	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	4,684	12	0.96	03160201	Middle Tombigbee-Chickasaw	8
S1282	7.27	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	115	5	0.01	03160201	Middle Tombigbee-Chickasaw	9
S1283	7.46	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	70	2	0.00	03160201	Middle Tombigbee-Chickasaw	9
S1284	7.53	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	63	3	0.00	03160201	Middle Tombigbee-Chickasaw	9
S1274A	7.65	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	230	4.5	0.02	03160201	Middle Tombigbee-Chickasaw	9
S1274B	7.68	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	275	10	0.03	03160201	Middle Tombigbee-Chickasaw	9
S1275	7.68	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	216	3.5	0.02	03160201	Middle Tombigbee-Chickasaw	9
S1276	7.88	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	401	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	9
S1277	7.90	Perennial	[redacted]	Bogueloosa Creek	311	40	0.07	03160201	Middle Tombigbee-Chickasaw	9
S1278	7.99	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	711	15	0.12	03160201	Middle Tombigbee-Chickasaw	9
S1273	8.00	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	488	3	0.03	03160201	Middle Tombigbee-Chickasaw	9
S1269	8.26	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	196	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	10
S1288	8.67	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	313	4	0.03	03160201	Middle Tombigbee-Chickasaw	10

S1270	8.90	Perennial	[redacted]	Buck Creek	1,185	20	0.28	03160201	Middle Tombigbee-Chickasaw	11
S1272	9.16	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	74	4	0.01	03160201	Middle Tombigbee-Chickasaw	11
S1271	9.19	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	499	5	0.06	03160201	Middle Tombigbee-Chickasaw	11
S2214	9.57	Perennial	[redacted]	Unnamed Trib. to Rock Branch	535	2	0.02	03160201	Middle Tombigbee-Chickasaw	11
S2213	9.64	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	146	2	0.01	03160201	Middle Tombigbee-Chickasaw	11
S2212	9.64	Ephemeral	[redacted]	Unnamed Trib. to Rock Branch	58	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	11
S2211	9.64	Ephemeral	[redacted]	Unnamed Trib. to Rock Branch	177	2	0.01	03160201	Middle Tombigbee-Chickasaw	11
S2210	9.74	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	297	2	0.01	03160201	Middle Tombigbee-Chickasaw	11
S1312	9.86	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	216	2	0.01	03160201	Middle Tombigbee-Chickasaw	12
S2220	9.87	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	81	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	12
S2219	9.87	Perennial	[redacted]	Rock Branch	179	15	0.02	03160201	Middle Tombigbee-Chickasaw	12
S2200	9.96	Perennial	[redacted]	Unnamed Trib. to Rock Branch	370	3	0.03	03160201	Middle Tombigbee-Chickasaw	12
S2201	9.98	Perennial	[redacted]	Rock Branch	1,046	10	0.15	03160201	Middle Tombigbee-Chickasaw	12
S2203	10.02	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	453	1.5	0.02	03160201	Middle Tombigbee-Chickasaw	12
S2202	10.03	Ephemeral	[redacted]	Unnamed Trib. to Rock Branch	164	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	12
S2204	10.03	Ephemeral	[redacted]	Unnamed Trib. to Rock Branch	37	2.5	0.00	03160201	Middle Tombigbee-Chickasaw	12
S2206	10.20	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	89	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	12
S2205	10.22	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	266	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	12
S2207	10.23	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	131	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	12
S2208	10.39	Perennial	[redacted]	Unnamed Trib. to Rock Branch	351	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	12
S2209	10.39	Intermittent	[redacted]	Unnamed Trib. to Rock Branch	123	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	12
S2145	10.57	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	118	1	0.00	03160201	Middle Tombigbee-Chickasaw	12
S2144	10.70	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	171	1	0.00	03160201	Middle Tombigbee-Chickasaw	12
S2143	10.71	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	288	2	0.01	03160201	Middle Tombigbee-Chickasaw	12
S2141	10.72	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	149	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	12
S2140	10.72	Perennial	[redacted]	Unnamed Trib. to Bogueloosa Creek	365	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	12
S2142	10.73	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	33	3	0.00	03160201	Middle Tombigbee-Chickasaw	12
S2139	10.87	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	319	2	0.01	03160201	Middle Tombigbee-Chickasaw	13
S2138	10.90	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	423	2	0.02	03160201	Middle Tombigbee-Chickasaw	13
S2132	10.98	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	238	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	13
S2131	10.99	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	433	3	0.03	03160201	Middle Tombigbee-Chickasaw	13
S2130	11.12	Intermittent	[redacted] (b)(7)f	Unnamed Trib. to Bogueloosa Creek	366	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	13
S2128	11.21	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	252	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	13
S2129	11.23	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	169	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	13
S2127	11.28	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	330	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	13
S2126	11.51	Intermittent	[redacted]	Unnamed Trib. to Bogueloosa Creek	111	2	0.01	03160201	Middle Tombigbee-Chickasaw	13
S2125	11.56	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	47	2.5	0.00	03160201	Middle Tombigbee-Chickasaw	14
S2124	11.56	Ephemeral	[redacted]	Unnamed Trib. to Bogueloosa Creek	172	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	14
S1113	12.53	Perennial	[redacted]	Unnamed Trib. to Mill Branch	216	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	15
S1114	12.82	Ephemeral	[redacted]	Unnamed Trib. to Mill Branch	242	1	0.01	03160201	Middle Tombigbee-Chickasaw	15
S1115	12.87	Ephemeral	[redacted]	Unnamed Trib. to Mill Branch	138	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	15
S1112	13.04	Intermittent	[redacted]	Unnamed Trib. to Mill Branch	562	3.5	0.05	03160201	Middle Tombigbee-Chickasaw	15
S1111	13.22	Perennial	[redacted]	Unnamed Trib. to Mill Branch	306	3	0.02	03160201	Middle Tombigbee-Chickasaw	15
S1110	13.38	Intermittent	[redacted]	Unnamed Trib. to Mill Branch	278	3	0.02	03160201	Middle Tombigbee-Chickasaw	15
S1109	13.67	Ephemeral	[redacted]	Unnamed Trib. to Golden Horn Branch	34	2	0.00	03160201	Middle Tombigbee-Chickasaw	16
S1108	13.67	Ephemeral	[redacted]	Unnamed Trib. to Golden Horn Branch	274	4	0.03	03160201	Middle Tombigbee-Chickasaw	16
S1147	14.13	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	142	1	0.00	03160201	Middle Tombigbee-Chickasaw	16
S1116	14.22	Perennial	[redacted]	Golden Horn Branch	829	5.5	0.07	03160201	Middle Tombigbee-Chickasaw	16
S1118	14.41	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	407	2	0.02	03160201	Middle Tombigbee-Chickasaw	16
S1117	14.46	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	328	2	0.02	03160201	Middle Tombigbee-Chickasaw	17
S1124	14.47	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	257	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	17
S1127	14.49	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	338	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	17
S1125	14.55	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	76	0.75	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1126	14.56	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	36	0.75	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1123	14.57	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	14	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1122	14.58	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	33	0.75	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1121	14.66	Ephemeral	[redacted]	Unnamed Trib. to Golden Horn Branch	96	0.25	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1120	14.66	Perennial	[redacted]	Unnamed Trib. to Golden Horn Branch	356	2	0.02	03160201	Middle Tombigbee-Chickasaw	17
S1119	14.78	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	347	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	17
S1141	14.83	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	67	1	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1144	14.84	Ephemeral	[redacted]	Unnamed Trib. to Golden Horn Branch	70	3	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1142	14.86	Intermittent	[redacted]	Unnamed Trib. to Golden Horn Branch	72	2	0.00	03160201	Middle Tombigbee-Chickasaw	17

Waterbody ID	Approximate MP	Waterbody Type	Latitude	Longitude	Waterbody Name	Length in Survey Area (Feet)	OHWM Width (Feet)	ACRES	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
S1143	14.86	Perennial	[redacted]		Golden Horn Branch	1,666	6	0.28	03160201	Middle Tombigbee-Chickasaw	17
S1146	14.88	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	107	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	17
S1145	14.91	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	227	4	0.02	03160201	Middle Tombigbee-Chickasaw	17
S1138	14.96	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	369	2	0.02	03160201	Middle Tombigbee-Chickasaw	17
S1139	14.96	Ephemeral	[redacted]		Unnamed Trib. to Golden Horn Branch	41	0.5	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1140	14.96	Ephemeral	[redacted]		Unnamed Trib. to Golden Horn Branch	46	1	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1137	15.05	Ephemeral	[redacted]		Unnamed Trib. to Golden Horn Branch	54	0.5	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1136	15.06	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	55	1	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1134	15.09	Perennial	[redacted]		Unnamed Trib. to Golden Horn Branch	539	3	0.04	03160201	Middle Tombigbee-Chickasaw	17
S1135	15.11	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	222	2	0.01	03160201	Middle Tombigbee-Chickasaw	17
S1132	15.19	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	480	3	0.03	03160201	Middle Tombigbee-Chickasaw	17
S1133	15.23	Ephemeral	[redacted]		Unnamed Trib. to Golden Horn Branch	60	1	0.00	03160201	Middle Tombigbee-Chickasaw	17
S1131	15.29	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	175	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	17
S1130	15.29	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	260	3	0.02	03160201	Middle Tombigbee-Chickasaw	17
S1129	15.38	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	350	2	0.02	03160201	Middle Tombigbee-Chickasaw	18
S1128	15.40	Ephemeral	[redacted]		Unnamed Trib. to Golden Horn Branch	364	3.5	0.03	03160201	Middle Tombigbee-Chickasaw	18
S2123	15.57	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	281	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	18
S2122	15.74	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	360	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	18
S1309	15.80	Perennial	[redacted]		Unnamed Trib. to Golden Horn Branch	66	2	0.00	03160201	Middle Tombigbee-Chickasaw	18
S2121	15.84	Intermittent	[redacted]		Unnamed Trib. to Golden Horn Branch	438	3	0.03	03160201	Middle Tombigbee-Chickasaw	18
S2147	15.95	Ephemeral	[redacted]		Unnamed Trib. to Golden Horn Branch	51	1	0.00	03160201	Middle Tombigbee-Chickasaw	18
S2146	15.96	Perennial	[redacted]		Unnamed Trib. to Golden Horn Branch	64	2	0.00	03160201	Middle Tombigbee-Chickasaw	18
S2221	15.96	Perennial	[redacted]		Golden Horn Branch	201	15	0.04	03160201	Middle Tombigbee-Chickasaw	18
S2117	16.11	Ephemeral	[redacted]		Unnamed Trib. to Golden Horn Branch	257	2	0.01	03160201	Middle Tombigbee-Chickasaw	18
S2116	16.28	Perennial	[redacted]		Golden Horn Branch	1,571	8	0.30	03160201	Middle Tombigbee-Chickasaw	19
S2039	16.51	Intermittent	[redacted]		Unnamed Trib. to Okatuppa Creek	781	3	0.05	03160201	Middle Tombigbee-Chickasaw	19
S2237	16.71	Perennial	[redacted]		Unnamed Trib. to Okatuppa Creek	739	15	0.18	03160201	Middle Tombigbee-Chickasaw	19
S2037A	16.75	Perennial	[redacted]		Okatuppa Creek	2,015	62	1.78	03160201	Middle Tombigbee-Chickasaw	19
S2108	17.57	Intermittent	[redacted]		Unnamed Trib. to Okatuppa Creek	972	5	0.11	03160201	Middle Tombigbee-Chickasaw	20
S2110	17.65	Intermittent	[redacted]		Unnamed Trib. to Okatuppa Creek	351	3.5	0.03	03160201	Middle Tombigbee-Chickasaw	20
S1266	18.16	Perennial	[redacted]		Unnamed Trib. to Souwilpa Creek	278	4.5	0.03	03160201	Middle Tombigbee-Chickasaw	21
S2085	18.22	Perennial	[redacted] (b)(7)f		Unnamed Trib. to Souwilpa Creek	1,253	4	0.12	03160201	Middle Tombigbee-Chickasaw	21
S1265	18.26	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	59	2	0.00	03160201	Middle Tombigbee-Chickasaw	21
S2086	18.29	Perennial	[redacted]		Unnamed Trib. to Souwilpa Creek	607	4	0.06	03160201	Middle Tombigbee-Chickasaw	21
S2084	18.54	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	41	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	21
S2083	18.55	Perennial	[redacted]		Unnamed Trib. to Souwilpa Creek	464	6	0.06	03160201	Middle Tombigbee-Chickasaw	21
S2087	18.73	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	258	2	0.01	03160201	Middle Tombigbee-Chickasaw	21
S2089	18.86	Perennial	[redacted]		Unnamed Trib. to Souwilpa Creek	2,326	8	0.64	03160201	Middle Tombigbee-Chickasaw	22
S2156	18.91	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	199	2	0.01	03160201	Middle Tombigbee-Chickasaw	22
S2155	18.93	Perennial	[redacted]		Unnamed Trib. to Souwilpa Creek	296	2	0.01	03160201	Middle Tombigbee-Chickasaw	22
S2156B	18.95	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	184	2	0.01	03160201	Middle Tombigbee-Chickasaw	22
S2090	18.95	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	196	2	0.01	03160201	Middle Tombigbee-Chickasaw	22
S2158	19.07	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	348	2	0.02	03160201	Middle Tombigbee-Chickasaw	22
S2091	19.27	Perennial	[redacted]		Souwilpa Creek	2,273	62	1.52	03160201	Middle Tombigbee-Chickasaw	22
S2092	19.42	Intermittent	[redacted]		Unnamed Trib. to Souwilpa Creek	139	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	22
S2093	19.44	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	193	1	0.00	03160201	Middle Tombigbee-Chickasaw	22
S2094	19.46	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	99	1	0.00	03160201	Middle Tombigbee-Chickasaw	22
S2096	19.57	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	302	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	22
S2097	19.60	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	175	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	22
S2095	19.60	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	337	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	22
S2098	19.67	Intermittent	[redacted]		Unnamed Trib. to Souwilpa Creek	364	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	22
S2099	19.72	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	62	1	0.00	03160201	Middle Tombigbee-Chickasaw	22
S2104	19.77	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	62	1	0.00	03160201	Middle Tombigbee-Chickasaw	23
S2102	19.79	Ephemeral	[redacted]		Unnamed Trib. to Souwilpa Creek	63	2.5	0.00	03160201	Middle Tombigbee-Chickasaw	23
S2100	19.81	Perennial	[redacted]		Unnamed Trib. to Souwilpa Creek	686	4	0.06	03160201	Middle Tombigbee-Chickasaw	23
S2101	19.83	Intermittent	[redacted]		Unnamed Trib. to Souwilpa Creek	281	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	23
S2103	19.85	Intermittent	[redacted]		Unnamed Trib. to Souwilpa Creek	289	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	23
S2105	20.05	Perennial	[redacted]		Unnamed Trib. to McNish Branch	181	3.5	0.01	03160201	Middle Tombigbee-Chickasaw	23
S2106	20.06	Intermittent	[redacted]		Unnamed Trib. to McNish Branch	300	3	0.02	03160201	Middle Tombigbee-Chickasaw	23
S2107	20.10	Intermittent	[redacted]		Unnamed Trib. to McNish Branch	483	2.5	0.03	03160201	Middle Tombigbee-Chickasaw	23
S1106B	20.41	Intermittent	[redacted]		Unnamed Trib. to McNish Branch	210	3	0.01	03160201	Middle Tombigbee-Chickasaw	23
S1106	20.44	Intermittent	[redacted]		Unnamed Trib. to McNish Branch	98	3	0.01	03160201	Middle Tombigbee-Chickasaw	23

S1104	20.63	Intermittent	[redacted] (b)(7)f	Unnamed Trib. to McNish Branch	39	1	0.00	03160201	Middle Tombigbee-Chickasaw	24
S1105	20.64	Intermittent		Unnamed Trib. to McNish Branch	44	2	0.00	03160201	Middle Tombigbee-Chickasaw	24
S1103	20.64	Perennial		Unnamed Trib. to McNish Branch	400	3.5	0.03	03160201	Middle Tombigbee-Chickasaw	24
S2082B	20.97	Perennial		Unnamed Trib. to McNish Branch	117	5	0.01	03160201	Middle Tombigbee-Chickasaw	24
S2082	20.97	Perennial		Unnamed Trib. to McNish Branch	485	5	0.06	03160201	Middle Tombigbee-Chickasaw	24
S1308	21.02	Intermittent		Unnamed Trib. to Souwilpa Creek	44	2.5	0.00	03160201	Middle Tombigbee-Chickasaw	24
S2081	21.03	Intermittent		Unnamed Trib. to McNish Branch	268	3	0.02	03160201	Middle Tombigbee-Chickasaw	24
S2080	21.04	Ephemeral		Unnamed Trib. to McNish Branch	230	2	0.01	03160201	Middle Tombigbee-Chickasaw	24
S2079	21.17	Intermittent		Unnamed Trib. to McNish Branch	340	2	0.02	03160201	Middle Tombigbee-Chickasaw	24
S2078	21.24	Ephemeral		Unnamed Trib. to McNish Branch	92	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	24
S2077	21.35	Intermittent		Unnamed Trib. to McNish Branch	295	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	24
S2076B	21.37	Intermittent		Unnamed Trib. to McNish Branch	110	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	24
S2076	21.38	Intermittent		Unnamed Trib. to McNish Branch	94	2	0.00	03160201	Middle Tombigbee-Chickasaw	24
S1090	21.84	Intermittent		Unnamed Trib. to Black Creek	541	2.25	0.03	03160201	Middle Tombigbee-Chickasaw	25
S1160	21.93	Intermittent		Unnamed Trib. to Black Creek	236	1	0.01	03160201	Middle Tombigbee-Chickasaw	25
S1064	22.18	Perennial		Black Creek	859	15	0.32	03160201	Middle Tombigbee-Chickasaw	25
S1065	22.33	Perennial		Turkey Creek	915	55	0.59	03160201	Middle Tombigbee-Chickasaw	25
S1066	22.34	Intermittent		Unnamed Trib. to Turkey Creek	231	3.5	0.02	03160201	Middle Tombigbee-Chickasaw	25
S1067B	22.36	Intermittent		Unnamed Trib. to Turkey Creek	99	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	26
S1067	22.39	Intermittent		Unnamed Trib. to Turkey Creek	559	2.5	0.03	03160201	Middle Tombigbee-Chickasaw	26
S1068	22.66	Ephemeral		Unnamed Trib. to Turkey Creek	256	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	26
S1072	22.69	Ephemeral		Unnamed Trib. to Turkey Creek	52	1	0.00	03160201	Middle Tombigbee-Chickasaw	26
S1069	22.70	Perennial		Unnamed Trib. to Turkey Creek	525	4	0.05	03160201	Middle Tombigbee-Chickasaw	26
S1071	22.72	Ephemeral		Unnamed Trib. to Turkey Creek	114	1	0.00	03160201	Middle Tombigbee-Chickasaw	26
S1070	22.73	Ephemeral		Unnamed Trib. to Turkey Creek	48	1	0.00	03160201	Middle Tombigbee-Chickasaw	26
S1073	22.81	Intermittent		Unnamed Trib. to Turkey Creek	209	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	26
S1074	22.86	Ephemeral		Unnamed Trib. to Turkey Creek	175	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	26
S1075	22.90	Intermittent		Unnamed Trib. to Turkey Creek	227	3	0.02	03160201	Middle Tombigbee-Chickasaw	26
S1076	22.93	Ephemeral		Unnamed Trib. to Turkey Creek	38	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	26
S1077	22.95	Ephemeral		Unnamed Trib. to Turkey Creek	55	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	26
S1078	23.01	Ephemeral		Unnamed Trib. to Turkey Creek	167	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	26
S1079	23.04	Perennial		Unnamed Trib. to Turkey Creek	478	3	0.03	03160201	Middle Tombigbee-Chickasaw	26
S1080	23.08	Ephemeral		Unnamed Trib. to Turkey Creek	109	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	26
S1081	23.20	Intermittent		Unnamed Trib. to Turkey Creek	177	3	0.01	03160201	Middle Tombigbee-Chickasaw	26
S1082	23.26	Perennial		Unnamed Trib. to Turkey Creek	371	3	0.03	03160201	Middle Tombigbee-Chickasaw	27
S1082B	23.26	Perennial		Unnamed Trib. to Turkey Creek	68	3	0.00	03160201	Middle Tombigbee-Chickasaw	27
S1083	23.27	Intermittent		Unnamed Trib. to Turkey Creek	37	3	0.00	03160201	Middle Tombigbee-Chickasaw	27
S1084	23.34	Ephemeral		Unnamed Trib. to Turkey Creek	75	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	27
S1314	23.57	Intermittent		Unnamed Trib. to Turkey Creek	272	0.75	0.00	03160201	Middle Tombigbee-Chickasaw	27
S1085	23.63	Perennial		Unnamed Trib. to Turkey Creek	1,595	7	0.24	03160201	Middle Tombigbee-Chickasaw	27
S1087	23.65	Perennial		Unnamed Trib. to Turkey Creek	142	3	0.01	03160201	Middle Tombigbee-Chickasaw	27
S1086	23.69	Perennial		Unnamed Trib. to Turkey Creek	697	3	0.05	03160201	Middle Tombigbee-Chickasaw	27
S1088	23.69	Perennial		Unnamed Trib. to Turkey Creek	47	3	0.00	03160201	Middle Tombigbee-Chickasaw	27
S1088B	23.77	Ephemeral		Unnamed Trib. to Turkey Creek	86	1	0.00	03160201	Middle Tombigbee-Chickasaw	27
S1089	23.95	Intermittent		Unnamed Trib. to Turkey Creek	432	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	27
S1262	24.56	Intermittent		Unnamed Trib. to Thompson Creek	578	3	0.04	03160203	Lower Tombigbee	28
S1263	24.71	Perennial		Unnamed Trib. to Thompson Creek	950	7.5	0.11	03160203	Lower Tombigbee	28
S1264	24.78	Ephemeral		Unnamed Trib. to Thompson Creek	121	2.5	0.01	03160203	Lower Tombigbee	28
S2063	25.30	Intermittent		Unnamed Trib. to Sea Warrior Creek	264	2	0.01	03160203	Lower Tombigbee	29
S2064	25.32	Intermittent		Unnamed Trib. to Sea Warrior Creek	215	2	0.01	03160203	Lower Tombigbee	29
S2062	25.34	Intermittent		Unnamed Trib. to Sea Warrior Creek	316	2	0.01	03160203	Lower Tombigbee	29
S2060	25.34	Perennial		Unnamed Trib. to Sea Warrior Creek	453	4	0.04	03160203	Lower Tombigbee	29
S2061	25.36	Ephemeral		Unnamed Trib. to Sea Warrior Creek	51	4	0.00	03160203	Lower Tombigbee	29
S2074	25.50	Ephemeral		Unnamed Trib. to Sea Warrior Creek	317	1.5	0.01	03160203	Lower Tombigbee	29
S2073	25.64	Intermittent		Unnamed Trib. to Sea Warrior Creek	478	2	0.02	03160203	Lower Tombigbee	29
S2072	25.68	Intermittent		Unnamed Trib. to Sea Warrior Creek	486	1.5	0.02	03160203	Lower Tombigbee	29
S2071	25.79	Ephemeral		Unnamed Trib. to Sea Warrior Creek	172	1.5	0.01	03160203	Lower Tombigbee	29
S2069	25.82	Perennial		Unnamed Trib. to Sea Warrior Creek	898	4	0.08	03160203	Lower Tombigbee	29
S2070	25.85	Ephemeral		Unnamed Trib. to Sea Warrior Creek	46	1.5	0.00	03160203	Lower Tombigbee	29
S2068	25.92	Intermittent		Unnamed Trib. to Sea Warrior Creek	376	1.5	0.01	03160203	Lower Tombigbee	30
S2066	26.13	Ephemeral		Unnamed Trib. to Sea Warrior Creek	131	2.5	0.01	03160203	Lower Tombigbee	30
S2067	26.13	Perennial		Unnamed Trib. to Sea Warrior Creek	387	3.5	0.03	03160203	Lower Tombigbee	30

Waterbody ID	Approximate MP	Waterbody Type	Latitude	Longitude	Waterbody Name	Length in Survey Area (Feet)	OHWM Width (Feet)	ACRES	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
S2065	26.14	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Sea Warrior Creek	38	2.5	0.00	03160203	Lower Tombigbee	30
S2054	27.56	Perennial	[redacted]	[redacted]	Unnamed Trib. to Sea Warrior Creek	362	5	0.04	03160203	Lower Tombigbee	31
S2053	27.70	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Sea Warrior Creek	105	2	0.00	03160203	Lower Tombigbee	31
S2052	29.19	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Sea Warrior Creek	251	1	0.01	03160203	Lower Tombigbee	33
S2051	29.26	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Sea Warrior Creek	798	1	0.02	03160203	Lower Tombigbee	33
S1062A	29.98	Perennial	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	159	2.5	0.01	03160203	Lower Tombigbee	34
S1062C	30.01	Perennial	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	338	3	0.02	03160203	Lower Tombigbee	34
S1300	30.80	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	84	1.5	0.00	03160203	Lower Tombigbee	35
S1301	30.80	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	104	3	0.01	03160203	Lower Tombigbee	35
S1062B	30.86	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	237	3	0.02	03160203	Lower Tombigbee	35
S1299	30.90	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	78	1	0.00	03160203	Lower Tombigbee	35
S1061	30.93	Perennial	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	655	5	0.08	03160203	Lower Tombigbee	35
S1060	30.97	Perennial	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	452	3	0.03	03160203	Lower Tombigbee	35
S1058	31.12	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	78	1	0.00	03160203	Lower Tombigbee	35
S1057	31.12	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	119	1	0.00	03160203	Lower Tombigbee	35
S1059	31.13	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Caney Creek	109	1	0.00	03160203	Lower Tombigbee	35
S1055	32.03	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	63	1	0.00	03160203	Lower Tombigbee	36
S1056	32.04	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	49	1	0.00	03160203	Lower Tombigbee	36
S1293	32.10	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	72	1.5	0.00	03160203	Lower Tombigbee	36
S1054	32.19	Perennial	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	4,542	10	0.50	03160203	Lower Tombigbee	36
S1297	32.20	Perennial	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	347	6.5	0.03	03160203	Lower Tombigbee	36
S1292	32.20	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	91	3	0.01	03160203	Lower Tombigbee	36
S1296	32.22	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	178	3	0.01	03160203	Lower Tombigbee	36
S1291	32.25	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	254	1.5	0.01	03160203	Lower Tombigbee	37
S1298	32.29	Perennial	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	58	3	0.00	03160203	Lower Tombigbee	37
S1290	32.30	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	326	2.5	0.02	03160203	Lower Tombigbee	37
S1295	32.38	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	126	1.5	0.00	03160203	Lower Tombigbee	37
S1294	32.38	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	274	1.5	0.01	03160203	Lower Tombigbee	37
S1037	32.48	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	198	2.5	0.01	03160203	Lower Tombigbee	37
S1038	32.50	Perennial	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	415	3	0.03	03160203	Lower Tombigbee	37
S1039	32.57	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	115	1	0.00	03160203	Lower Tombigbee	37
S1040	32.82	Perennial	[redacted] (b)(7)f	[redacted]	Santa Bogue Creek	767	40	0.32	03160203	Lower Tombigbee	37
S1043	32.99	Perennial	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	475	8	0.02	03160203	Lower Tombigbee	37
S1042	33.00	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	100	2.5	0.01	03160203	Lower Tombigbee	37
S1041	33.14	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	38	1.5	0.00	03160203	Lower Tombigbee	38
S1045	33.29	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	107	1.5	0.00	03160203	Lower Tombigbee	38
S1044	33.29	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	91	1.5	0.00	03160203	Lower Tombigbee	38
S1046	33.44	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	263	2.5	0.02	03160203	Lower Tombigbee	38
S1047	33.47	Perennial	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	975	3.5	0.07	03160203	Lower Tombigbee	38
S1049	33.50	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	45	2.5	0.00	03160203	Lower Tombigbee	38
S1048	33.50	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	259	2.5	0.01	03160203	Lower Tombigbee	38
S1050	33.51	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	27	1	0.00	03160203	Lower Tombigbee	38
S1051	33.57	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	245	2.5	0.01	03160203	Lower Tombigbee	38
S1052	33.61	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	275	2.5	0.02	03160203	Lower Tombigbee	38
S1053	33.65	Perennial	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	395	2.5	0.02	03160203	Lower Tombigbee	38
S2046	33.75	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	390	3	0.03	03160203	Lower Tombigbee	38
S2045	33.82	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	357	2	0.02	03160203	Lower Tombigbee	38
S2044	34.23	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	731	4	0.07	03160203	Lower Tombigbee	38
S2043	34.24	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Santa Bogue Creek	27	2.5	0.00	03160203	Lower Tombigbee	38
S2042	34.59	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	335	2.5	0.02	03160203	Lower Tombigbee	39
S2026	34.96	Perennial	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	371	2	0.02	03160203	Lower Tombigbee	39
S2027	35.46	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	366	2.5	0.02	03160203	Lower Tombigbee	40
S2028	35.73	Perennial	[redacted]	[redacted]	Elias Creek	1,613	18	0.58	03160203	Lower Tombigbee	40
S2029	36.15	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	276	1.5	0.01	03160203	Lower Tombigbee	41
S2030	36.18	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	139	2.5	0.01	03160203	Lower Tombigbee	41
S2031	36.27	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	801	3	0.06	03160203	Lower Tombigbee	41
S2032	36.37	Perennial	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	568	5	0.07	03160203	Lower Tombigbee	41
S1030	36.44	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	220	3.75	0.02	03160203	Lower Tombigbee	41
S1029	36.55	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	274	2.5	0.02	03160203	Lower Tombigbee	41
S1031	36.65	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	247	4	0.02	03160203	Lower Tombigbee	41
S1028	36.85	Perennial	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	1 283	25	0.41	03160203	Lower Tombigbee	41
S1027	37.10	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	71	4	0.01	03160203	Lower Tombigbee	42

Waterbody ID	Approximate MP	Waterbody Type	Latitude	Longitude	Waterbody Name	Length in Survey Area (Feet)	OHWM Width (Feet)	ACRES	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
S1026	37.12	Intermittent	[redacted]		Unnamed Trib. to Elias Creek	161	3.5	0.01	03160203	Lower Tombigbee	42
S1032	37.54	Intermittent	[redacted]		Unnamed Trib. to Elias Creek	181	3	0.01	03160203	Lower Tombigbee	42
S1159	37.74	Ephemeral	[redacted]		Unnamed Trib. to Elias Creek	12	0.75	0.00	03160203	Lower Tombigbee	42
S1018	37.99	Perennial	[redacted]		Unnamed Trib. to Elias Creek	184	4	0.02	03160203	Lower Tombigbee	43
S1019	37.99	Perennial	[redacted]		Unnamed Trib. to Elias Creek	240	12	0.03	03160203	Lower Tombigbee	43
S1017	38.02	Intermittent	[redacted]		Unnamed Trib. to Elias Creek	215	2	0.01	03160203	Lower Tombigbee	43
S1016	38.16	Intermittent	[redacted]		Unnamed Trib. to Elias Creek	169	2	0.01	03160203	Lower Tombigbee	43
S1015	38.18	Intermittent	[redacted]		Unnamed Trib. to Elias Creek	269	2.5	0.02	03160203	Lower Tombigbee	43
S1014	38.46	Perennial	[redacted]		Unnamed Trib. to Elias Creek	401	3	0.03	03160203	Lower Tombigbee	43
S1013	38.50	Perennial	[redacted]		Unnamed Trib. to Elias Creek	430	3.5	0.03	03160203	Lower Tombigbee	43
S1010	38.63	Intermittent	[redacted]		Unnamed Trib. to Elias Creek	313	2	0.01	03160203	Lower Tombigbee	44
S1011	39.10	Intermittent	[redacted]		Unnamed Trib. to Tauler Creek	652	3.5	0.05	03160203	Lower Tombigbee	44
S1012	39.37	Intermittent	[redacted]		Unnamed Trib. to Tauler Creek	1,133	2.5	0.07	03160203	Lower Tombigbee	44
S2133	39.38	Ephemeral	[redacted]		Unnamed Trib. to Tauler Creek	249	1.5	0.01	03160203	Lower Tombigbee	44
S2023	40.09	Ephemeral	[redacted]		Unnamed Trib. to Tauler Creek	455	2	0.02	03160203	Lower Tombigbee	45
S2024	40.18	Intermittent	[redacted]		Unnamed Trib. to Tauler Creek	576	3.5	0.05	03160203	Lower Tombigbee	45
S2025	40.19	Ephemeral	[redacted]		Unnamed Trib. to Tauler Creek	604	2.5	0.03	03160203	Lower Tombigbee	45
S2024B	40.25	Intermittent	[redacted]		Unnamed Trib. to Tauler Creek	328	2.5	0.02	03160203	Lower Tombigbee	45
S1036	40.78	Ephemeral	[redacted]		Unnamed Trib. to Folsoms Creek	232	2.5	0.01	03160203	Lower Tombigbee	46
S1035	40.83	Ephemeral	[redacted]		Unnamed Trib. to Folsoms Creek	176	1	0.00	03160203	Lower Tombigbee	46
S1034	41.09	Ephemeral	[redacted]		Unnamed Trib. to Folsoms Creek	425	2.5	0.02	03160203	Lower Tombigbee	46
S1033	41.23	Ephemeral	[redacted]		Unnamed Trib. to Folsoms Creek	129	2	0.01	03160203	Lower Tombigbee	47
S2038	41.38	Ephemeral	[redacted]		Unnamed Trib. to Folsoms Creek	419	2	0.02	03160203	Lower Tombigbee	47
S2037B	41.53	Ephemeral	[redacted]		Unnamed Trib. to Folsoms Creek	669	2	0.03	03160203	Lower Tombigbee	47
S2036	41.75	Perennial	[redacted]		Unnamed Trib. to Folsoms Creek	843	12	0.14	03160203	Lower Tombigbee	47
S2035	41.99	Ephemeral	[redacted]		Unnamed Trib. to Folsoms Creek	322	1.5	0.01	03160203	Lower Tombigbee	47
S2040	42.15	Ephemeral	[redacted]		Unnamed Trib. to Folsoms Creek	390	1.5	0.01	03160203	Lower Tombigbee	48
S2041	42.29	Perennial	[redacted]		Folsoms Creek	584	3.5	0.05	03160203	Lower Tombigbee	48
S1025	43.05	Perennial	[redacted]		Unnamed Trib. to Tombigbee River	518	4	0.05	03160203	Lower Tombigbee	49
S1024	43.12	Intermittent	[redacted]		Unnamed Trib. to Tombigbee River	111	3.5	0.01	03160203	Lower Tombigbee	49
S1023	43.29	Perennial	[redacted]		Unnamed Trib. to Tombigbee River	304	3	0.02	03160203	Lower Tombigbee	49
S1020	43.38	Perennial	[redacted] (b)(7)f		Unnamed Trib. to Tombigbee River	465	3.5	0.04	03160203	Lower Tombigbee	49
S1022	43.39	Intermittent	[redacted]		Unnamed Trib. to Tombigbee River	142	3.5	0.01	03160203	Lower Tombigbee	49
S1021	43.40	Intermittent	[redacted]		Unnamed Trib. to Tombigbee River	74	3	0.01	03160203	Lower Tombigbee	49
S1009	43.65	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	468	2.5	0.03	03160203	Lower Tombigbee	49
S2021	44.12	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	421	3	0.03	03160203	Lower Tombigbee	50
S2020	44.13	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	184	2	0.01	03160203	Lower Tombigbee	50
S2022	44.13	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	61	2	0.00	03160203	Lower Tombigbee	50
S2022B	44.16	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	487	2	0.02	03160203	Lower Tombigbee	50
S2168	44.33	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	397	2.5	0.02	03160203	Lower Tombigbee	50
S2167	44.40	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	151	3	0.01	03160203	Lower Tombigbee	50
S1005	44.92	Perennial	[redacted]		Smiths Creek	1 478	6.5	0.18	03160203	Lower Tombigbee	51
S1008	44.96	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	793	1.5	0.03	03160203	Lower Tombigbee	51
S2160	45.06	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	65	1	0.00	03160203	Lower Tombigbee	51
S2159	45.06	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	90	1	0.00	03160203	Lower Tombigbee	51
S2161	45.10	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	196	2	0.01	03160203	Lower Tombigbee	51
S2162	45.10	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	85	2	0.00	03160203	Lower Tombigbee	51
S2163	45.11	Perennial	[redacted]		Unnamed Trib. to Smiths Creek	291	2.5	0.02	03160203	Lower Tombigbee	51
S2164	45.15	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	490	2	0.02	03160203	Lower Tombigbee	51
S2163B	45.18	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	745	1.5	0.03	03160203	Lower Tombigbee	51
S2165	45.21	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	54	2	0.00	03160203	Lower Tombigbee	51
S1006	45.22	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	123	2.5	0.01	03160203	Lower Tombigbee	51
S1007	45.31	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	129	2	0.01	03160203	Lower Tombigbee	51
S2166	45.69	Perennial	[redacted]		Unnamed Trib. to Smiths Creek	85	3.5	0.01	03160203	Lower Tombigbee	74
S2019	45.77	Perennial	[redacted]		Unnamed Trib. to Smiths Creek	533	3	0.04	03160203	Lower Tombigbee	52
S2018	45.94	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	141	1.5	0.00	03160203	Lower Tombigbee	52
S2017	45.94	Perennial	[redacted]		Unnamed Trib. to Smiths Creek	358	4	0.03	03160203	Lower Tombigbee	52
S2016	45.97	Ephemeral	[redacted]		Unnamed Trib. to Smiths Creek	303	1.5	0.01	03160203	Lower Tombigbee	52
S1149	46.05	Intermittent	[redacted]		Unnamed Trib. to Smiths Creek	100	3	0.01	03160203	Lower Tombigbee	52
S2005	47.89	Ephemeral	[redacted]		Unnamed Trib. to Tombigbee River	122	1.5	0.00	03160203	Lower Tombigbee	54
S2008	47.90	Ephemeral	[redacted]		Unnamed Trib. to Tombigbee River	70	1.5	0.00	03160203	Lower Tombigbee	54
S2009	47.90	Ephemeral	[redacted]		Unnamed Trib. to Tombigbee River	38	2.5	0.00	03160203	Lower Tombigbee	54

S2006	47.90	Intermittent	[redacted] (b)(7)f	Unnamed Trib. to Tombigbee River	414	2	0.02	03160203	Lower Tombigbee	54
S2006B	47.90	Intermittent		Unnamed Trib. to Tombigbee River	64	2	0.00	03160203	Lower Tombigbee	54
S2007	47.92	Ephemeral		Unnamed Trib. to Tombigbee River	172	1.5	0.01	03160203	Lower Tombigbee	54
S2222	48.04	Ephemeral		Unnamed Trib. to Tombigbee River	99	1.5	0.00	03160203	Lower Tombigbee	54
S2033	48.04	Perennial		Unnamed Trib. to Tombigbee River	447	3	0.03	03160203	Lower Tombigbee	54
S2034	48.05	Ephemeral		Unnamed Trib. to Tombigbee River	148	2	0.01	03160203	Lower Tombigbee	54
S2010	48.24	Ephemeral		Unnamed Trib. to Tombigbee River	373	1.5	0.01	03160203	Lower Tombigbee	54
S2011	48.32	Ephemeral		Unnamed Trib. to Tombigbee River	76	1.5	0.00	03160203	Lower Tombigbee	55
S2012	48.46	Ephemeral		Unnamed Trib. to Tombigbee River	281	1.5	0.01	03160203	Lower Tombigbee	55
S2151	48.51	Ephemeral		Unnamed Trib. to Tombigbee River	88	1	0.00	03160203	Lower Tombigbee	55
S2013	48.51	Perennial		Unnamed Trib. to Tombigbee River	545	5	0.06	03160203	Lower Tombigbee	55
S2152	48.54	Ephemeral		Unnamed Trib. to Tombigbee River	300	1	0.01	03160203	Lower Tombigbee	55
S2014	48.59	Intermittent		Unnamed Trib. to Tombigbee River	157	1.5	0.01	03160203	Lower Tombigbee	55
S2014B	48.60	Intermittent		Unnamed Trib. to Tombigbee River	83	1.5	0.00	03160203	Lower Tombigbee	55
S2015	48.79	Perennial		Unnamed Trib. to Tombigbee River	157	1.5	0.01	03160203	Lower Tombigbee	55
S1003	49.04	Perennial		Unnamed Trib. to Tombigbee River	476	2.5	0.03	03160203	Lower Tombigbee	56
S1002	49.08	Perennial		Unnamed Trib. to Tombigbee River	82	5	0.01	03160203	Lower Tombigbee	56
S1004	49.09	Perennial		Unnamed Trib. to Tombigbee River	176	2	0.01	03160203	Lower Tombigbee	56
S1261	50.89	Intermittent		Unnamed Trib. to Tombigbee River	1,471	3	0.10	03160203	Lower Tombigbee	57
S2001	51.29	Intermittent		Unnamed Trib. to Tombigbee River	579	2	0.03	03160203	Lower Tombigbee	58
S2153	51.33	Perennial		Unnamed Trib. to Tombigbee River	77	4.5	0.01	03160203	Lower Tombigbee	58
S2002	51.38	Perennial		Unnamed Trib. to Tombigbee River	475	4.5	0.05	03160203	Lower Tombigbee	58
S1107	52.10	Perennial		Unnamed Trib. to Tombigbee River	1,945	15	1.10	03160203	Lower Tombigbee	59
S2004	53.13	Ephemeral		Unnamed Trib. to Tombigbee River	251	2	0.01	03160203	Lower Tombigbee	60
S2003	53.41	Intermittent		Unnamed Trib. to Tombigbee River	341	3	0.02	03160203	Lower Tombigbee	60

Pipe Yards

S1267	PY-01	Intermittent	[redacted] (b)(7)f	Unnamed Trib. to Turkey Creek	890	3	0.06	03160201	Middle Tombigbee-Chickasaw	80
S1268	PY-01	Intermittent		Unnamed Trib. to Turkey Creek	84	2	0.00	03160201	Middle Tombigbee-Chickasaw	80
S2171	CY-04	Intermittent		Unnamed Trib. to Tombigbee River	523	1.5	0.02	03160203	Lower Tombigbee	76
S2169	CY-04	Perennial		Unnamed Trib. to Tombigbee River	165	3	0.01	03160203	Lower Tombigbee	76

Access Roads

S2120	AR-00.6	Perennial	[redacted] (b)(7)f	Unnamed Trib. to Long Creek	58	4	0.01	03160201	Middle Tombigbee-Chickasaw	2
S2216	AR-01.4	Perennial		Unnamed Trib. to Long Creek	161	2.5	0.01	03160201	Middle Tombigbee-Chickasaw	2
S2215	AR-01.4	Perennial		Unnamed Trib. to Long Creek	351	2.5	0.02	03160201	Middle Tombigbee-Chickasaw	62
S2218	AR-09.5	Intermittent		Unnamed Trib. to Rock Branch	57	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	12
S2217	AR-09.5	Ephemeral		Unnamed Trib. to Rock Branch	50	1.5	0.00	03160201	Middle Tombigbee-Chickasaw	12
S1317	AR-16.2	Perennial		Golden Horn Branch	171	13	0.02	03160201	Middle Tombigbee-Chickasaw	18
S1310	AR-16.2	Perennial		Unnamed Trib. to Golden Horn Branch	225	3	0.02	03160201	Middle Tombigbee-Chickasaw	18
S1311	AR-16.2	Perennial		Unnamed Trib. to Golden Horn Branch	84	2.5	0.00	03160201	Middle Tombigbee-Chickasaw	18
S2109	AR-17.3	Intermittent		Unnamed Trib. to Okatuppa Creek	423	3.5	0.03	03160201	Middle Tombigbee-Chickasaw	20
S2148	AR-17.3	Ephemeral		Unnamed Trib. to Okatuppa Creek	77	2	0.00	03160201	Middle Tombigbee-Chickasaw	68
S2149	AR-17.3	Intermittent		Unnamed Trib. to Okatuppa Creek	64	3	0.00	03160201	Middle Tombigbee-Chickasaw	68
S2150	AR-17.3	Ephemeral		Unnamed Trib. to Okatuppa Creek	428	1	0.01	03160201	Middle Tombigbee-Chickasaw	68
S2088	AR-18.5-EX	Intermittent		Unnamed Trib. to Souwilpa Creek	209	1.5	0.01	03160201	Middle Tombigbee-Chickasaw	22
S2075	AR-21.4-EX	Perennial		McNish Branch	2,640	8	0.43	03160201	Middle Tombigbee-Chickasaw	25
S2225	AR-31.7	Perennial		Unnamed Trib. to Santa Bogue Creek	297	12	0.03	03160203	Lower Tombigbee	37
S2223	AR-31.7	Perennial		Unnamed Trib. to Santa Bogue Creek	56	3.5	0.00	03160203	Lower Tombigbee	36
S2224	AR-31.7	Perennial		Unnamed Trib. to Santa Bogue Creek	86	3.5	0.01	03160203	Lower Tombigbee	37
S2226	AR-31.7	Ephemeral		Unnamed Trib. to Santa Bogue Creek	52	2.5	0.00	03160203	Lower Tombigbee	37
S2227	AR-31.7	Ephemeral		Unnamed Trib. to Santa Bogue Creek	29	1	0.00	03160203	Lower Tombigbee	37
S1302	AR-32.5	Perennial		Unnamed Trib. to Santa Bogue Creek	105	4	0.01	03160203	Lower Tombigbee	37
S1303	AR-32.8	Perennial		Unnamed Trib. to Santa Bogue Creek	295	10	0.04	03160203	Lower Tombigbee	37
S1304	AR-32.8	Perennial		Unnamed Trib. to Santa Bogue Creek	70	3	0.00	03160203	Lower Tombigbee	37
S1305	AR-33.1	Perennial		Unnamed Trib. to Santa Bogue Creek	162	6	0.02	03160203	Lower Tombigbee	37
S1306	AR-33.1	Intermittent		Unnamed Trib. to Santa Bogue Creek	90	3	0.01	03160203	Lower Tombigbee	37
S1307	AR-33.1	Intermittent		Unnamed Trib. to Santa Bogue Creek	42	2	0.00	03160203	Lower Tombigbee	37
S2236	AR-35.1-EX	Intermittent		Unnamed Trib. to Elias Creek	82	2.5	0.00	03160203	Lower Tombigbee	40
S2232	AR-36.5	Intermittent		Unnamed Trib. to Elias Creek	63	2.5	0.00	03160203	Lower Tombigbee	41
S2233	AR-36.5	Perennial		Unnamed Trib. to Elias Creek	220	2.5	0.01	03160203	Lower Tombigbee	69
S2234	AR-36.5	Perennial		Unnamed Trib. to Elias Creek	58	2.5	0.00	03160203	Lower Tombigbee	69

Waterbody ID	Approximate MP	Waterbody Type	Latitude	Longitude	Waterbody Name	Length in Survey Area (Feet)	OHWM Width (Feet)	ACRES	Watershed (HUC 8)	Watershed Name	Figure 4 Page Number
S2235	AR-36.5	Perennial	[redacted] (b)(7)f	[redacted]	Unnamed Trib. to Elias Creek	45	2.5	0.00	03160203	Lower Tombigbee	69
S2231	AR-36.5-EX	Perennial	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	163	20	0.03	03160203	Lower Tombigbee	42
S1158	AR-37.5	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	63	1.5	0.00	03160203	Lower Tombigbee	43
S1157	AR-37.5	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Elias Creek	96	1.5	0.00	03160203	Lower Tombigbee	43
S2136	AR-39.5	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Tauler Creek	42	3	0.00	03160203	Lower Tombigbee	71
S2135	AR-39.5	Perennial	[redacted]	[redacted]	Unnamed Trib. to Tauler Creek	116	5	0.01	03160203	Lower Tombigbee	71
S2134	AR-39.5	Perennial	[redacted]	[redacted]	Unnamed Trib. to Tauler Creek	36	3	0.00	03160203	Lower Tombigbee	71
S1153	AR-40.6	Perennial	[redacted]	[redacted]	Folsoms Creek	223	9	0.04	03160203	Lower Tombigbee	46
S1154	AR-40.6	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Folsoms Creek	52	2.5	0.00	03160203	Lower Tombigbee	46
S1155	AR-40.6	Perennial	[redacted]	[redacted]	Unnamed Trib. to Folsoms Creek	56	3.5	0.00	03160203	Lower Tombigbee	46
S1156	AR-40.6	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Folsoms Creek	52	4.5	0.01	03160203	Lower Tombigbee	46
S1152	AR-40.6	Ephemeral	[redacted]	[redacted]	Unnamed Trib. to Folsoms Creek	302	0.75	0.01	03160203	Lower Tombigbee	46
S1151	AR-40.6	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Tauler Creek	82	3	0.01	03160203	Lower Tombigbee	72
S2137	AR-41.5	Perennial	[redacted]	[redacted]	Folsoms Creek	155	20	0.03	03160203	Lower Tombigbee	73
S1150	AR-41.5	Intermittent	[redacted]	[redacted]	Unnamed Trib. to Folsoms Creek	60	2.5	0.00	03160203	Lower Tombigbee	73
S1148	AR-47.1	Ephemeral	[redacted]	[redacted]	Gaines Creek	68	1	0.00	03160203	Lower Tombigbee	53
S2170	AR-51.1	Perennial	[redacted]	[redacted]	Unnamed Trib. to Tombigbee River	71	3.5	0.01	03160203	Lower Tombigbee	76
					Ponds						
P1008	4.18	Pond	[redacted] (b)(7)f	[redacted]	Unnamed Pond	N/A	N/A	0.26	03160201	Middle Tombigbee-Chickasaw	5
P2101	4.58	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.40	03160201	Middle Tombigbee-Chickasaw	6
P1006	12.55	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.03	03160201	Middle Tombigbee-Chickasaw	15
P1005	13.01	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.14	03160201	Middle Tombigbee-Chickasaw	15
P1002B	22.29	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.02	03160201	Middle Tombigbee-Chickasaw	25
P1003	23.66	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.16	03160201	Middle Tombigbee-Chickasaw	27
P2002	27.70	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.06	03160203	Lower Tombigbee	31
P1002	30.26	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.01	03160203	Lower Tombigbee	34
P1001	32.81	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.02	03160203	Lower Tombigbee	37
P1007	37.73	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.39	03160203	Lower Tombigbee	43
P2004	41.65	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	0.01	03160203	Lower Tombigbee	73
P2001	47.97	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	1.77	03160203	Lower Tombigbee	54
P2005	53.74	Pond	[redacted]	[redacted]	Unnamed Pond	N/A	N/A	4.25	03160203	Lower Tombigbee	61

Appendix C

Field Data Sheets

FOIA Notes:
Exemption 6 applies to the names of investigators
Exemption 7f applies to the lat/long data reference points

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-11

Applicant/Owner: NextEra State: Alabama Sampling Point: UP1001

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 10

Subregion (LRR or MLRA): P 135 Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: ______ NWI classification: ______

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Agricultural field edge, rutting with vegetation manipulation.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches):
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland field edge bordering sliver of forest

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

Sampling Point: UP1001

Tree Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus falcata	50	✓	FACU
2. Quercus phellos	25	✓	FACW
3. Quercus nigra	15		FAC
4.			
5.			
6.			
7.			
8.			
	90%	= Total Cover	

50% of total cover: 45 20% of total cover: 18

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Diospyros virginiana	3		FAC
2. Ulmus alata	5	✓	FACU
3. Triadica sebifera	5	✓	FAC
4. Callicarpa americana	3		FACU
5.			
6.			
7.			
8.			
	16%	= Total Cover	

50% of total cover: 8 20% of total cover: 3

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Rubus argutus	3	✓	FAC
2. Andropogon ternarius	10	✓	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	13%	= Total Cover	

50% of total cover: 7 20% of total cover: 3

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Smilax rotundifolia	20	✓	FAC
2.			
3.			
4.			
5.			
	20%	= Total Cover	

50% of total cover: 10 20% of total cover: 4

Dominance Test worksheet:

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

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 57 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	139 (A)		460 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland point

SOIL

Sampling Point: UP1001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 4	5YR 3/3	97	5YR 5/8	3			Silty clay loam	Conglomerate disturbed due to active agriculture
4 - 20	7.5YR 5/6	100					Sandy clay loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: N/A

Depth (inches): 0

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland point

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Leroy/Washington Sampling Date: 2019-11-13

Applicant/Owner: ____ State: Alabama Sampling Point: UP1002

Investigator(s): [redacted] Section, Township, Range: ____

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: UuB NWI classification: PFO

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland? Yes ____ No ✓
Hydric Soil Present?	Yes ____	No ✓	
Wetland Hydrology Present?	Yes ____	No ✓	

Remarks:
UPL is associated with W1002 and W1003,

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____	No ✓	Depth (inches): ____
Water Table Present?	Yes ____	No ✓	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No ✓	Depth (inches): ____

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Upland

Remarks:

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

Sampling Point: UP1002

Tree Stratum (Plot size: 30 ft r)

Status	Absolute % Cover	Dominant Species?	Indicator
1. Quercus nigra	30	✓	FAC
2. Quercus phellos	25	✓	FACW
3. Liquidambar styraciflua	50	✓	FAC
4. Quercus michauxii	10		FACW
5. Carpinus caroliniana	5		FAC
6.			
7.			
8.			
	120% = Total Cover		

50% of total cover: 60 20% of total cover: 24

Sapling/Shrub Stratum (Plot size: 30 ft r)

1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		

50% of total cover: ____ 20% of total cover: ____

Herb Stratum (Plot size: 30 ft r)

1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	= Total Cover		

50% of total cover: ____ 20% of total cover: ____

Woody Vine Stratum (Plot size: 30 ft r)

1.			
2.			
3.			
4.			
5.			
	= Total Cover		

50% of total cover: ____ 20% of total cover: ____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	35	x 2 =	70
FAC species	85	x 3 =	255
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	120 (A)		325 (B)

Prevalence Index = B/A = 2.7

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1002

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	7.5YR 4/3	100					Clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Leroy/Washington Sampling Date: 2019-11-13

Applicant/Owner: ______ State: Alabama Sampling Point: UP1004

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MaA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:

UPL is associated with W1004 and W1005

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1004

Tree Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus alba	25	✓	FACU
2. Pinus taeda	50	✓	FAC
3. Magnolia grandiflora	10		FAC
4. Magnolia virginiana	10		FACW
5.			
6.			
7.			
8.			
	95% = Total Cover		

50% of total cover: 48 20% of total cover: 19

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Juniperus virginiana	5		FACU
2. Ilex opaca	10	✓	FAC
3. Liquidambar styraciflua	10	✓	FAC
4. Acer rubrum	5		FAC
5.			
6.			
7.			
8.			
	30% = Total Cover		

50% of total cover: 15 20% of total cover: 6

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Arundinaria tecta	5	✓	FACW
2. Ilex opaca	5	✓	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	= Total Cover		

50% of total cover: 20% of total cover:

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 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	15	x 2 = 30
FAC species	90	x 3 = 270
FACU species	30	x 4 = 120
UPL species	0	x 5 = 0
Column Totals:	135 (A)	420 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No ✓

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

SOIL

Sampling Point: UP1004

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 12	2.5YR 3/1	100					Silty clay loam	
12 - 20	10YR 6/4	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Leroy/Washington Sampling Date: 2019-11-14

Applicant/Owner: ______ State: Alabama Sampling Point: UP1006

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MaB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓	
Wetland Hydrology Present?	Yes ___	No ✓	

Remarks:
Area mowed/greenfields planted adjacent to forested upland, slightly convex and rise in elevation

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1006

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	50	✓	FAC
2. Quercus nigra	30	✓	FAC
3. Prunus serotina	15		FACU
4.			
5.			
6.			
7.			
8.			
	95%	= Total Cover	
50% of total cover: 48	20% of total cover: 19		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	25	✓	FAC
2. Magnolia virginiana	10		FACW
3. Quercus nigra	25	✓	FAC
4. Ilex vomitoria	10		FAC
5. Ligustrum japonicum	10		FAC
6.			
7.			
8.			
	80%	= Total Cover	
50% of total cover: 40	20% of total cover: 16		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus phellos	5	✓	FACW
2. Ilex vomitoria	5	✓	FAC
3. Andropogon ternarius	10	✓	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	20%	= Total Cover	
50% of total cover: 10	20% of total cover: 4		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Berchemia scandens	5	✓	FAC
2.			
3.			
4.			
5.			
	5%	= Total Cover	
50% of total cover: 3	20% of total cover: 1		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 88 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	15	x 2 =	30
FAC species	160	x 3 =	480
FACU species	25	x 4 =	100
UPL species	0	x 5 =	0
Column Totals:	200 (A)		610 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No ✓

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

SOIL

Sampling Point: UP1006

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 10	10YR 3/3	100					Sandy loam	
10 - 18	2.5Y 5/4	70	10YR 3/3	30	C	M	Sandy loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators 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:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Leroy/Washington Sampling Date: 2019-11-15

Applicant/Owner: ____ State: Alabama Sampling Point: UP1007

Investigator(s): [redacted] Section, Township, Range: ____

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BsF NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1007

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liriodendron tulipifera	50	✓	FACU
2. Pinus taeda	30		FAC
3. Quercus nigra	50	✓	FAC
4. Quercus phellos	25		FACW
5. Liriodendron tulipifera	25		FACU
6. Acer rubrum	10		FAC
7.			
8.			
	190%	= Total Cover	

50% of total cover: 95 20% of total cover: 38

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vaccinium arboreum	30	✓	FACU
2. Ilex vomitoria	10	✓	FAC
3. Ilex opaca	10	✓	FAC
4.			
5.			
6.			
7.			
8.			
	50%	= Total Cover	

50% of total cover: 25 20% of total cover: 10

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus phellos	5	✓	FACW
2. Quercus nigra	5	✓	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	10%	= Total Cover	

50% of total cover: 5 20% of total cover: 2

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	10	✓	FAC
2.			
3.			
4.			
5.			
	10%	= Total Cover	

50% of total cover: 5 20% of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	x 2 =	60
FAC species	125	x 3 =	375
FACU species	105	x 4 =	420
UPL species	0	x 5 =	0
Column Totals:	260 (A)		855 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1007

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 8	7.5YR 4/2	100					Sandy loam	
8 - 18	7.5YR 5/6	100					Sandy loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.
[2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ____ No ✓

Remarks:
No redox, sandy soil, some dark organic material at surface (<1 inch)

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: St Stephens/Washington Sampling Date: 2019-11-16

Applicant/Owner: ______ State: Alabama Sampling Point: UP1008

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MbF2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks:
Planted pine and suppressed fire regime

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ___	
Water Table Present?	Yes ___ No ✓	Depth (inches): ___	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ___	**Wetland Hydrology Present? Yes ___ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1008

Tree Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus palustris	40	✓	FACU
2. Pinus taeda	25	✓	FAC
3. Oxydendrum arboreum	25	✓	FACU
4. Liquidambar styraciflua	10		FAC
5. Acer rubrum	5		FAC
6. Quercus nigra	25	✓	FAC
7. Quercus phellos	10		FACW
8.			
	140% = Total Cover		

50% of total cover: 70 20% of total cover: 28

Sapling/Shrub Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Vaccinium arboreum	15	✓	FACU
2. Vaccinium stamineum	10	✓	FACU
3.			
4.			
5.			
6.			
7.			
8.			
	25% = Total Cover		

50% of total cover: 13 20% of total cover: 5

Herb Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	= Total Cover		

50% of total cover: ____ 20% of total cover: ____

Woody Vine Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.			
3.			
4.			
5.			
	25% = Total Cover		

50% of total cover: 13 20% of total cover: 5

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 43 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	90	x 3 =	270
FACU species	90	x 4 =	360
UPL species	0	x 5 =	0
Column Totals:	190 (A)		650 (B)

Prevalence Index = B/A = 3.4

Hydrophytic Vegetation Indicators:

- [ ] 1 - Rapid Test for Hydrophytic Vegetation
- [ ] 2 - Dominance Test is >50%
- [ ] 3 - Prevalence Index is ≤3.0[1]
- [ ] Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1008

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 15	2.5Y 4/3	95	10YR 5/6	5	C	M	Sandy loam	
15 - 20	10YR 5/6	90	5YR 5/8	10	C	M	Sandy loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Frankville/Washington Sampling Date: 2019-11-18

Applicant/Owner: ______ State: Alabama Sampling Point: UP1009

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Concave Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BnC NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓		
Wetland Hydrology Present?	Yes ___ No ✓		

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ___	
Water Table Present?	Yes ___ No ✓	Depth (inches): ___	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ___	**Wetland Hydrology Present?** Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1009

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	25	✓	FAC
2. Pinus glabra	10		FACW
3. Carya glabra	50	✓	FACU
4. Carpinus caroliniana	25	✓	FAC
5. Ilex opaca	25	✓	FAC
6. Quercus nigra	25	✓	FAC
7.			
8.			
	160%	= Total Cover	

50% of total cover: 80 20% of total cover: 32

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Magnolia macrophylla	25	✓	NI
2. Corylus americana	15	✓	FACU
3. Ilex opaca	10	✓	FAC
4.			
5.			
6.			
7.			
8.			
	50%	= Total Cover	

50% of total cover: 25 20% of total cover: 10

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Imperata cylindrica	75	✓	UPL
2. Dichanthelium acuminatum	25	✓	FAC
3. Eupatorium capillifolium	10		FACU
4. Liriodendron tulipifera	5		FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	115%	= Total Cover	

50% of total cover: 58 20% of total cover: 23

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.			
3.			
4.			
5.			
	25%	= Total Cover	

50% of total cover: 13 20% of total cover: 5

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 11 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 64 (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	160	x 3 =	480
FACU species	80	x 4 =	320
UPL species	75	x 5 =	375
Column Totals:	325 (A)		1195 (B)

Prevalence Index = B/A = 3.7

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1009

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	10YR 3/1	100					Sandy loam	
3 - 10	7.5YR 4/4	100					Sandy clay	
10 - 20	10YR 3/6	100					Sandy clay loam	
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: St Stephens/Washington Sampling Date: 2019-11-19

Applicant/Owner: ______ State: Alabama Sampling Point: UP1010

Investigator(s) [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BiA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓		
Wetland Hydrology Present?	Yes ___ No ✓		

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ___	
Water Table Present?	Yes ___ No ✓	Depth (inches): ___	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ___	**Wetland Hydrology Present? Yes ___ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1010

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	50	✓	FAC
2. Quercus nigra	25		FAC
3. Ostrya virginiana	50	✓	FACU
4. Ilex opaca	10		FAC
5.			
6.			
7.			
8.			
	135%	= Total Cover	
50% of total cover: 68	20% of total cover: 27		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ostrya virginiana	25	✓	FACU
2. Ilex opaca	10	✓	FAC
3. Magnolia macrophylla	10	✓	NI
4.			
5.			
6.			
7.			
8.			
	45%	= Total Cover	
50% of total cover: 23	20% of total cover: 9		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex vomitoria	10	✓	FAC
2. Imperata cylindrica	5	✓	UPL
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	15%	= Total Cover	
50% of total cover: 8	20% of total cover: 3		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Berchemia scandens	5		FAC
2. Vitis rotundifolia	25	✓	FAC
3.			
4.			
5.			
	30%	= Total Cover	
50% of total cover: 15	20% of total cover: 6		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	135	x 3 =	405
FACU species	75	x 4 =	300
UPL species	5	x 5 =	25
Column Totals:	215 (A)		730 (B)

Prevalence Index = B/A = 3.4

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No ✓

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

SOIL

Sampling Point: UP1010

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features				Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		
0 - 5	7.5YR 2.5/3	100					Sandy clay loam	
5 - 20	10YR 4/6	100					Sandy clay loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: St Stephens/Washington Sampling Date: 2019-11-19

Applicant/Owner: ______ State: Alabama Sampling Point: UP1011

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: ByG NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓
Hydric Soil Present?	Yes ___	No ✓
Wetland Hydrology Present?	Yes ___	No ✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Upland

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1011

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2. Liquidambar styraciflua	40	✓	FAC
3. Quercus nigra	25		FAC
4.			
5.			
6.			
7.			
8.			
	140%	= Total Cover	

50% of total cover: 70   20% of total cover: 28

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ulmus alata	20	✓	FACU
2. Prunus serotina	20	✓	FACU
3. Ilex vomitoria	25	✓	FAC
4. Liquidambar styraciflua	10		FAC
5. Vaccinium stamineum	10		FACU
6.			
7.			
8.			
	85%	= Total Cover	

50% of total cover: 43   20% of total cover: 17

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Imperata cylindrica	10	✓	UPL
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	10%	= Total Cover	

50% of total cover: 5   20% of total cover: 2

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.			
3.			
4.			
5.			
	25%	= Total Cover	

50% of total cover: 13   20% of total cover: 5

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 57 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	200	x 3 =	600
FACU species	50	x 4 =	200
UPL species	10	x 5 =	50
Column Totals:	260 (A)		850 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1011

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 5	5R 2.5/1	100					Silty clay loam	
5 - 15	2.5YR 4/4						Clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Yes

Depth (inches): 15

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland, reached hard pan

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: St Stephens/Washington Sampling Date: 2019-11-20

Applicant/Owner: ______ State: Alabama Sampling Point: UP1012

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MbF2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓	
Wetland Hydrology Present?	Yes ___	No ✓	

Remarks:
Upland

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1012

Tree Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus muehlenbergii	40	✓	UPL
2. Pinus taeda	40	✓	FAC
3. Oxydendrum arboreum	30		FACU
4. Acer rubrum	25		FAC
5. Quercus nigra	25		FAC
6.			
7.			
8.			
	160% = Total Cover		

50% of total cover: 80 20% of total cover: 32

Sapling/Shrub Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Vaccinium stamineum	40	✓	FACU
2. Rhododendron canescens	40	✓	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	80% = Total Cover		

50% of total cover: 40 20% of total cover: 16

Herb Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Mitchella repens	15	✓	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	15% = Total Cover		

50% of total cover: 8 20% of total cover: 3

Woody Vine Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	= Total Cover		

50% of total cover: 20% of total cover:

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	40	x 2 =	80
FAC species	90	x 3 =	270
FACU species	85	x 4 =	340
UPL species	40	x 5 =	200
Column Totals:	255 (A)		890 (B)

Prevalence Index = B/A = 3.5

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1012

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 4	5YR 3/2	100					Silty clay loam	Organic layer
4 - 20	2.5Y 4/4	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: St Stephens/Washington Sampling Date: 2019-11-20

Applicant/Owner: ______ State: Alabama Sampling Point: UP1013

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MbF2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	
Hydric Soil Present?	Yes ___ No ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks:
Upland

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ______	
Water Table Present?	Yes ___ No ✓	Depth (inches): ______	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ______	**Wetland Hydrology Present? Yes ___ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: UP1013

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2. Fagus grandifolia	25	✓	FACU
3.	0		
4.			
5.			
6.			
7.			
8.			
	100%	= Total Cover	
50% of total cover: 50	20% of total cover: 20		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Oxydendrum arboreum	25	✓	FACU
2. Quercus phellos	10	✓	FACW
3. Ilex opaca	10	✓	FAC
4. Vaccinium stamineum	10	✓	FACU
5.			
6.			
7.			
8.			
	55%	= Total Cover	
50% of total cover: 28	20% of total cover: 11		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex opaca	25	✓	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	25%	= Total Cover	
50% of total cover: 13	20% of total cover: 5		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	10	✓	FAC
2.			
3.			
4.			
5.			
	10%	= Total Cover	
50% of total cover: 5	20% of total cover: 2		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	5	(A)
Total Number of Dominant Species Across All Strata:	8	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	63	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	120	x 3 =	360
FACU species	60	x 4 =	240
UPL species	0	x 5 =	0
Column Totals:	190 (A)		620 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1013

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	5YR 2.5/2	100					Silt Loam	Organic layer
3 - 6	2.5Y 4/4	100					Sandy loam	
6 - 18	2.5Y 5/6	100					Sandy clay	Upland
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

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

Sampling Point: UP1014

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	75% = Total Cover		
50% of total cover: 38	20% of total cover: 15		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Carpinus caroliniana	25	✓	FAC
2. Platanus occidentalis	10		FACW
3. Callicarpa americana	75	✓	FACU
4.			
5.			
6.			
7.			
8.			
	110% = Total Cover		
50% of total cover: 55	20% of total cover: 22		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	5	✓	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	5% = Total Cover		
50% of total cover: 3	20% of total cover: 1		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2. Toxicodendron radicans	25	✓	FAC
3.			
4.			
5.			
	50% = Total Cover		
50% of total cover: 25	20% of total cover: 10		

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 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	155	x 3 =	465
FACU species	75	x 4 =	300
UPL species	0	x 5 =	0
Column Totals:	240 (A)		785 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: St Stephens/Washington Sampling Date: 2019-11-21

Applicant/Owner: ______ State: Alabama Sampling Point: UP1014

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: PsF NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓
Hydric Soil Present?	Yes ____	No ✓
Wetland Hydrology Present?	Yes ____	No ✓

Is the Sampled Area within a Wetland? Yes ____ No ✓

Remarks:
Upland

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____	No ✓	Depth (inches): ______
Water Table Present?	Yes ____	No ✓	Depth (inches): ______
Saturation Present? (includes capillary fringe)	Yes ____	No ✓	Depth (inches): ______

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

SOIL

Sampling Point: UP1014

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 7	7.5YR 4/4	100					Sandy loam	
7 - 20	10YR 6/8	90	7.5YR 6/8	10	C	M	Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: St Stephens/Washington Sampling Date: 2019-11-21

Applicant/Owner: ______ State: Alabama Sampling Point: UP1015

Investigator(s): Justin Wilson, Aaron Semasko, Shawn McKinley Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: 31.61987361 Long: -88.13334295 Datum: WGS 84

Soil Map Unit Name: PsF NWI classification: POF

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ____ No ✓ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland?	Yes ____ No ✓
Hydric Soil Present?	Yes ____ No ✓		
Wetland Hydrology Present?	Yes ____ No ✓		

Remarks:
Upland

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present? Yes ____ No ✓ Depth (inches): ______

Water Table Present? Yes ____ No ✓ Depth (inches): ______

Saturation Present? (includes capillary fringe) Yes ____ No ✓ Depth (inches): ______

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1015

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	90	✓	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	90%	= Total Cover	
50% of total cover: 45	20% of total cover: 18		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex vomitoria	20	✓	FAC
2. Callicarpa americana	25	✓	FACU
3. Quercus nigra	10		FAC
4.			
5.			
6.			
7.			
8.			
	55%	= Total Cover	
50% of total cover: 28	20% of total cover: 11		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Polystichum acrostichoides	5	✓	FACU
2. Acer rubrum	5	✓	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	10%	= Total Cover	
50% of total cover: 5	20% of total cover: 2		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.			
3.			
4.			
5.			
	25%	= Total Cover	
50% of total cover: 13	20% of total cover: 5		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	6	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	67	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	150	x 3 =	450
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	180 (A)		570 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1015

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 5	5YR 3/2	100	5YR 3/2				Sandy clay loam	
5 - 20	5YR 5/8	60	5YR 3/2	40	C	M	Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: ______ Sampling Date: 2019-12-10

Applicant/Owner: ______ State: Alabama Sampling Point: UP1016

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: PsD NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓		
Wetland Hydrology Present?	Yes ___	No ✓		

Remarks:
Clearcut areas and logging road

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ______
Water Table Present?	Yes ___	No ✓	Depth (inches): ______
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ______

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland habitat

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

Sampling Point: UP1016

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Juniperus virginiana	50	✓	FACU
2. Nyssa sylvatica	10		FAC
3. Pinus taeda	10		FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	70% = Total Cover		

50% of total cover: 35 20% of total cover: 14

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Juniperus virginiana	25	✓	FACU
2. Ostrya virginiana	15	✓	FACU
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	40% = Total Cover		

50% of total cover: 20 20% of total cover: 8

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		

50% of total cover: ____ 20% of total cover: ____

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 25 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	30	x 3 =	90
FACU species	90	x 4 =	360
UPL species	0	x 5 =	0
Column Totals:	120 (A)		450 (B)

Prevalence Index = B/A = 3.8

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1016

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 8	10YR 5/4	100					Clay	
10 - 12	10YR 7/4	90	2.5YR 8/1	10	C	M	Clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Hard pan

Depth (inches): 12

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Frankville/Washington Sampling Date: 2019-12-11

Applicant/Owner: State: Alabama Sampling Point: UP1017

Investigator(s): [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: AaA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___
Hydric Soil Present?	Yes ___	No ✓
Wetland Hydrology Present?	Yes ___	No ✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:

UPL isassociated with W1017, W1018, W1019, AND W1020

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
UPLAND

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

Sampling Point: UP1017

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	20	✓	FAC
2. Quercus laurifolia	20	✓	FACW
3. Quercus nigra	20	✓	FAC
4. Magnolia virginiana	10		FACW
5. Pinus elliottii	10		FACW
6.	0		
7.	0		
8.	0		
	80% = Total Cover		

50% of total cover: 40 20% of total cover: 16

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex verticillata	10	✓	FACW
2. Ilex vomitoria	10	✓	FAC
3. Trifoliate orange	5	✓	
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	25% = Total Cover		

50% of total cover: 13 20% of total cover: 5

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	25% = Total Cover		

50% of total cover: 13 20% of total cover: 5

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 88 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	50	x 2 =	100
FAC species	85	x 3 =	255
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	135 (A)		355 (B)

Prevalence Index = B/A = 2.6

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1017

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 4	10YR 4/2	100					Sandy loam	
4 - 20	2.5Y 5/3	100					Sandy loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Frankville/Washington Sampling Date: 2019-12-11

Applicant/Owner: ______ State: Alabama Sampling Point: UP1021

Investigator(s) [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: RuB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks: Existing road bed. Upland sample for wetlands W1021 and W1022

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: UP1021

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	25	✓	FAC
2. Pinus glabra	10	✓	FACW
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	35%	= Total Cover	
50% of total cover: 18		20% of total cover: 7	

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Morella cerifera	10	✓	FAC
2. Liquidambar styraciflua	5	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	15%	= Total Cover	
50% of total cover: 8		20% of total cover: 3	

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Eupatorium capillifolium	50	✓	FACU
2. Andropogon virginicus	25	✓	FAC
3. Imperata cylindrica	10		UPL
4. Rubus argutus	5		FAC
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	90%	= Total Cover	
50% of total cover: 45		20% of total cover: 18	

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
		= Total Cover	
50% of total cover:		20% of total cover:	

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 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	70	x 3 =	210
FACU species	50	x 4 =	200
UPL species	10	x 5 =	50
Column Totals:	140 (A)		480 (B)

Prevalence Index = B/A = 3.4

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1021

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 - 6	2.5Y 5/3	90	7.5YR 5/8	10	C	M	Sandy clay	
6 - 20	10YR 5/6	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.
[2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): 0

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Frankville/Washington Sampling Date: 2019-12-12

Applicant/Owner: ______ State: Alabama Sampling Point: UP1023

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Undulating Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: RuD NWI classification: PFO1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓		
Wetland Hydrology Present?	Yes ___ No ✓		

Remarks: Upland sample for wetlands WP1023/WP1128

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): ______

Water Table Present? Yes ___ No ✓ Depth (inches): ______

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): ______

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1023

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer nigrum	15	✓	UPL
2. Ostrya virginiana	15	✓	FACU
3. Magnolia grandiflora	10		FAC
4. Pinus glabra	10		FACW
5. Juniperus virginiana	5		FACU
6.	0		
7.	0		
8.	0		
	55%	= Total Cover	

50% of total cover: 28 20% of total cover: 11

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex vomitoria	10	✓	FAC
2. Ostrya virginiana	10	✓	FACU
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	20%	= Total Cover	

50% of total cover: 10 20% of total cover: 4

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Hexastylis arifolia	5	✓	FAC
2. Smilax bona-nox	5	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	10%	= Total Cover	

50% of total cover: 5 20% of total cover: 2

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	5	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	5%	= Total Cover	

50% of total cover: 3 20% of total cover: 1

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 57 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	35	x 3 =	105
FACU species	30	x 4 =	120
UPL species	15	x 5 =	75
Column Totals:	90 (A)		320 (B)

Prevalence Index = B/A = 3.6

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1023

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 4	10YR 3/3	100					Silty clay loam	
4 - 20	10YR 5/6	100					Silty clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Frankville/Washington Sampling Date: 2019-12-12

Applicant/Owner: State: Alabama Sampling Point: UP1024

Investigator(s): [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 8

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: ByF2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks: Upland sample for wetlands W1024 and W1025

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches):	
Water Table Present?	Yes ___ No ✓	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches):	**Wetland Hydrology Present?** Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: UP1024

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Magnolia grandiflora	30	✓	FAC
2. Pinus taeda	30	✓	FAC
3. Liquidambar styraciflua	25	✓	FAC
4. Quercus nigra	25	✓	FAC
5. Juniperus virginiana	15		FACU
6. Fagus grandifolia	10		FACU
7.	0		
8.	0		
	135% = Total Cover		
50% of total cover: 68	20% of total cover: 27		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Callicarpa americana	25	✓	FACU
2. Juniperus virginiana	10	✓	FACU
3. Morella cerifera	10	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	45% = Total Cover		
50% of total cover: 23	20% of total cover: 9		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex opaca	5	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	5% = Total Cover		
50% of total cover: 3	20% of total cover: 1		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	25% = Total Cover		
50% of total cover: 13	20% of total cover: 5		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	7	(A)
Total Number of Dominant Species Across All Strata:	9	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	78	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	150	x 3 =	450
FACU species	60	x 4 =	240
UPL species	0	x 5 =	0
Column Totals:	210 (A)		690 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1024

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 8	10YR 3/1	100					Sandy loam	
8 - 20	2.5Y 5/4	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Frankville/Washington Sampling Date: 2019-12-13

Applicant/Owner: ______ State: Alabama Sampling Point: UP1026

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: UuB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓		
Wetland Hydrology Present?	Yes ___ No ✓		

Remarks:
Upland

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ______	
Water Table Present?	Yes ___ No ✓	Depth (inches): ______	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ______	**Wetland Hydrology Present? Yes ___ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1026

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus phellos	40	✓	FACW
2. Pinus taeda	25	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	65%	= Total Cover	
50% of total cover: 33		20% of total cover: 13	

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex vomitoria	25	✓	FAC
2. Vaccinium arboreum	25	✓	FACU
3. Ilex vomitoria	15		FAC
4. Ostrya virginiana	15		FACU
5. Ilex opaca	10		FAC
6. Pinus glabra	10		FACW
7.	0		
8.	0		
	100%	= Total Cover	
50% of total cover: 50		20% of total cover: 20	

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Yucca gloriosa	25	✓	FAC
2. Ilex vomitoria	5		FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	30%	= Total Cover	
50% of total cover: 15		20% of total cover: 6	

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	25%	= Total Cover	
50% of total cover: 13		20% of total cover: 5	

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	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	50	x 2 =	100
FAC species	130	x 3 =	390
FACU species	40	x 4 =	160
UPL species	0	x 5 =	0
Column Totals:	220 (A)		650 (B)

Prevalence Index = B/A = 3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1026

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features				Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		
0 - 4	7.5YR 2.5/2	100					Silt Loam	
4 - 8	7.5YR 4/2	100					Sandy clay loam	
8 - 20	10YR 5/4	100					Sandy clay	
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Frankville/Washington Sampling Date: 2019-12-14

Applicant/Owner: ______ State: Alabama Sampling Point: UP1027

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 4

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: ArF NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓		
Wetland Hydrology Present?	Yes ___	No ✓		

Remarks:
Old logging road present. Upland Sample for wetlands W1027, W1028, and W1029

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1027

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	40	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	40% = Total Cover		
50% of total cover: 20	20% of total cover: 8		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex vomitoria	25	✓	FAC
2. Ligustrum japonicum	10	✓	FAC
3. Quercus nigra	10	✓	FAC
4. Rhus aromatica	10	✓	UPL
5. Vaccinium arboreum	10	✓	FACU
6.	0		
7.	0		
8.	0		
	65% = Total Cover		
50% of total cover: 33	20% of total cover: 13		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	25	✓	FAC
2. Imperata cylindrica	10	✓	UPL
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	35% = Total Cover		
50% of total cover: 18	20% of total cover: 7		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 63 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	110	x 3 =	330
FACU species	10	x 4 =	40
UPL species	20	x 5 =	100
Column Totals:	140 (A)		470 (B)

Prevalence Index = B/A = 3.4

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1027

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	2.5Y 3/2	70	5YR 5/8	30	C	PL / M	Sandy clay	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Frankville/Washington Sampling Date: 2019-12-16

Applicant/Owner: ______ State: Alabama Sampling Point: UP1030

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): ______

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: Byb NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ___	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓		
Wetland Hydrology Present?	Yes ___ No ✓		

Remarks:

Logged and adjacent to green fields

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ______	
Water Table Present?	Yes ___ No ✓	Depth (inches): ______	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ______	**Wetland Hydrology Present?** Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1030

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	25%	= Total Cover	
50% of total cover: 13	20% of total cover: 5		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2. Ilex opaca	25		FAC
3. Morella cerifera	25		FAC
4. Vaccinium arboreum	10		FACU
5.	0		
6.	0		
7.	0		
8.	0		
	135%	= Total Cover	
50% of total cover: 68	20% of total cover: 27		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Dichanthelium acuminatum	25	✓	FAC
2. Andropogon virginicus	10	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	35%	= Total Cover	
50% of total cover: 18	20% of total cover: 7		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Smilax rotundifolia	10	✓	FAC
2. Yellow jessamine	10	✓	
3.	0		
4.	0		
5.	0		
	20%	= Total Cover	
50% of total cover: 10	20% of total cover: 4		

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 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	195	x 3 =	585
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	205 (A)		625 (B)

Prevalence Index = B/A = 3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1030

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features				Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		
0 - 4	10YR 3/3	100					Clay loam	
4 - 18	10YR 5/6	70	7.5YR 5/6	30	C	M	Sand	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Silas/Choctaw Sampling Date: 2019-12-17

Applicant/Owner: ______ State: Alabama Sampling Point: UP1031

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: IzA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ____ No ✓ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ____ 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 ✓	Is the Sampled Area within a Wetland? Yes ____ No ✓
Hydric Soil Present?	Yes ____	No ✓	
Wetland Hydrology Present?	Yes ____	No ✓	

Remarks:
Roadside/shoulder/ ditched area. Upland sample for wetlands W1031, W1032, and W1033

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____	No ✓	Depth (inches): ______
Water Table Present?	Yes ____	No ✓	Depth (inches): ______
Saturation Present? (includes capillary fringe)	Yes ____	No ✓	Depth (inches): ______

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1031

Tree Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	40	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	40% = Total Cover		

50% of total cover: 20 20% of total cover: 8

Sapling/Shrub Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Ulmus alata	20	✓	FACU
2. Pinus taeda	10	✓	FAC
3. Quercus bicolor	5		FACW
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	35% = Total Cover		

50% of total cover: 18 20% of total cover: 7

Herb Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Lonicera japonica	10	✓	FACU
2. Rubus argutus	10	✓	FAC
3. Smilax rotundifolia	5	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	25% = Total Cover		

50% of total cover: 13 20% of total cover: 5

Woody Vine Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Lonicera japonica	15	✓	FACU
2.	0		
3.	0		
4.	0		
5.	0		
	15% = Total Cover		

50% of total cover: 8 20% of total cover: 3

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 57 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	65	x 3 =	195
FACU species	45	x 4 =	180
UPL species	0	x 5 =	0
Column Totals:	115 (A)		385 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1031

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	10YR 2/2	100					Clay loam	
3 - 6	5YR 5/8	60	10YR 5/6	40	C	M	Sandy clay	
6 - 18	2.5YR 5/8	90	5Y 7/2	10	C	M	Sandy clay	Majority clay composition in Horizon 3
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.
[2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☑ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Road side shoulder/upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Silas/Choctaw Sampling Date: 2019-12-17

Applicant/Owner: ______ State: Alabama Sampling Point: UP1034

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: W NWI classification: PFO1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland? Yes ✓ No ___
Hydric Soil Present?	Yes ___	No ✓	
Wetland Hydrology Present?	Yes ___	No ✓	

Remarks:
Upland terrace at bottom of hillslope adjacent to floodplain and perennial stream. Upland Sample for wetlands W1034 and W1035

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1034

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liriodendron tulipifera	30	✓	FACU
2. Magnolia grandiflora	25	✓	FAC
3. Pinus taeda	25	✓	FAC
4. Quercus michauxii	25	✓	FACW
5.	0		
6.	0		
7.	0		
8.	0		
	105% = Total Cover		

50% of total cover: 53 20% of total cover: 21

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ostrya virginiana	20	✓	FACU
2. Arundinaria tecta	10	✓	FACW
3. Ilex opaca	10	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	40% = Total Cover		

50% of total cover: 20 20% of total cover: 8

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus phellos	5	✓	FACW
2. Vaccinium corymbosum	5	✓	FACW
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Toxicodendron radicans	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)

Total Number of Dominant Species Across All Strata: 10 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 80 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	45	x 2 = 90
FAC species	70	x 3 = 210
FACU species	50	x 4 = 200
UPL species	0	x 5 = 0
Column Totals:	165 (A)	500 (B)

Prevalence Index = B/A = 3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1034

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	10YR 4/2	100					Sandy clay loam	
3 - 18	10YR 6/3	100					Sand	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Silas/Choctaw Sampling Date: 2019-12-18

Applicant/Owner: ______ State: Alabama Sampling Point: UP1036

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 6

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: LdC2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓	
Wetland Hydrology Present?	Yes ___	No ✓	

Remarks:Upland sample for wetlands W1036, W1037 and W1038

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1036

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	75%	= Total Cover	
50% of total cover: 38	20% of total cover: 15		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Morella cerifera	20	✓	FAC
2. Oxydendrum arboreum	15	✓	FACU
3. Aralia spinosa	10		FAC
4. Ilex opaca	10		FAC
5. Rubus argutus	10		FAC
6.	0		
7.	0		
8.	0		
	65%	= Total Cover	
50% of total cover: 33	20% of total cover: 13		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	20	✓	FAC
2. Rubus argutus	20	✓	FAC
3. Imperata cylindrica	10		UPL
4. Yucca	10		NI
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	60%	= Total Cover	
50% of total cover: 30	20% of total cover: 12		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
		= Total Cover	
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	5	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	80	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	165	x 3 =	495
FACU species	15	x 4 =	60
UPL species	10	x 5 =	50
Column Totals:	190 (A)		605 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1036

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 15	2.5Y 4/2	100					Sandy clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Rock layer

Depth (inches): 15

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Silas/Choctaw Sampling Date: 2019-12-19

Applicant/Owner: ______ State: Alabama Sampling Point: UP1039

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 7

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BbA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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.

	Yes	No
Hydrophytic Vegetation Present?	✓	
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓
Is the Sampled Area within a Wetland?		✓

Remarks:Upland sample associated with wetlands W1039 and W1040

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland hill slope

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

Sampling Point: UP1039

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2. Fagus grandifolia	25	✓	FACU
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	100% = Total Cover		
50% of total cover: 50	20% of total cover: 20		
Sapling/Shrub Stratum (Plot size: 30)			
1. Morella cerifera	10	✓	FAC
2. Vaccinium formosum	10	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	20% = Total Cover		
50% of total cover: 10	20% of total cover: 4		
Herb Stratum (Plot size: 30)			
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		
Woody Vine Stratum (Plot size: 30)			
1. Berchemia scandens	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	10% = Total Cover		
50% of total cover: 5	20% of total cover: 2		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 80 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	105	x 3 =	315
FACU species	25	x 4 =	100
UPL species	0	x 5 =	0
Column Totals:	130 (A)		415 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1039

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 2	2.5Y 3/2	100					Silty clay loam	
2 - 8	2.5Y 5/3	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Rock layer

Depth (inches): 8

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Toxey/Choctaw Sampling Date: 2019-12-20

Applicant/Owner: ______ State: Alabama Sampling Point: UP1041

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 4

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks: Upland sample for wetlands W1041 and W1042

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ___	
Water Table Present?	Yes ___ No ✓	Depth (inches): ___	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ___	**Wetland Hydrology Present? Yes ___ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1041

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	60	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	60% = Total Cover		

50% of total cover: 30 20% of total cover: 12

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex opaca	25	✓	FAC
2. Quercus nigra	25	✓	FAC
3. Callicarpa americana	15	✓	FACU
4. Magnolia grandiflora	10		FAC
5.	0		
6.	0		
7.	0		
8.	0		
	75% = Total Cover		

50% of total cover: 38 20% of total cover: 15

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Arundinaria tecta	10	✓	FACW
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 80 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	120	x 3 =	360
FACU species	15	x 4 =	60
UPL species	0	x 5 =	0
Column Totals:	145 (A)		440 (B)

Prevalence Index = B/A = 3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ______

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

SOIL

Sampling Point: UP1041

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 15	10YR 4/3	100					Sandy clay loam	
15 - 20	7.5YR 4/6	100					Clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Silas/Choctaw Sampling Date: 2020-01-14

Applicant/Owner: ______ State: Alabama Sampling Point: UP1043

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 4

Subregion (LRR or MLRA): P 133A Lat [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmD NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ___ No ✓ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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.

	Yes	No
Hydrophytic Vegetation Present?	✓	
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓
Is the Sampled Area within a Wetland?		✓

Remarks:
Rainfall 1/13/2020

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland hill slope

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

Sampling Point: UP1043

Tree Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Magnolia grandiflora	60	✓	FAC
2. Liquidambar styraciflua	40	✓	FAC
3. Liriodendron tulipifera	30	✓	FACU
4. Quercus nigra	20		FAC
5.	0		
6.	0		
7.	0		
8.	0		
	150% = Total Cover		

50% of total cover: 75 20% of total cover: 30

Sapling/Shrub Stratum (Plot size: ft r)			
1. Magnolia virginiana	20	✓	FACW
2. Morella cerifera	20	✓	FAC
3. Pinus taeda	10	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	50% = Total Cover		

50% of total cover: 25 20% of total cover: 10

Herb Stratum (Plot size: ft r)			
1. Andropogon virginicus	10	✓	FAC
2. Gelsemium sempervirens	10	✓	FAC
3. Mitchella repens	10	✓	FACU
4. Quercus laurifolia	5		FACW
5. Smilax bona-nox	5		FAC
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	40% = Total Cover		

50% of total cover: 20 20% of total cover: 8

Woody Vine Stratum (Plot size: ft r)			
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 78 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	25	x 2 = 50
FAC species	175	x 3 = 525
FACU species	40	x 4 = 160
UPL species	0	x 5 = 0
Column Totals:	240 (A)	735 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ______

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

SOIL

Sampling Point: UP1043

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 4	2.5YR 3/1	100					Silt Loam	
4 - 15	7.5YR 4/3	100		0			Sandy loam	
15 - 18	7.5YR 5/8	100					Sandy clay	
0 - 0	10R 8/0	0						Omit
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Silas/Choctaw Sampling Date: 2020-01-14

Applicant/Owner: ______ State: Alabama Sampling Point: UP1047

Investigator(s) [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	**Is the Sampled Area within a Wetland?**	**Yes ___ No ✓**
Hydric Soil Present?	Yes ___	No ✓		
Wetland Hydrology Present?	Yes ___	No ✓		

Remarks:Adjacent to road bed. Upland sample associated with wetlands W1044, W1045 and W1047

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1047

Tree Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Sapling/Shrub Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	40	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	40% = Total Cover		
50% of total cover: 20	20% of total cover: 8		

Herb Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	50	✓	FAC
2. Eupatorium capillifolium	25	✓	FACU
3. Senna obtusifolia	10		FACU
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	85% = Total Cover		
50% of total cover: 43	20% of total cover: 17		

Woody Vine Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 67 (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	90	x 3 =	270
FACU species	35	x 4 =	140
UPL species	0	x 5 =	0
Column Totals:	125 (A)		410 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1047

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 12	10YR 4/4	60	5YR 4/6	40	C	M	Sandy clay	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Rock conglomerate

Depth (inches): 12

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Silas/Choctaw Sampling Date: 2020-01-14

Applicant/Owner: ______ State: Alabama Sampling Point: UP1046

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 5

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BnE2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓
Hydric Soil Present?	Yes ___	No ✓
Wetland Hydrology Present?	Yes ___	No ✓

Is the Sampled Area within a Wetland? **Yes** ___ **No** ✓

Remarks:
Rainfall 1/14/2020

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ **No** ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1046

Tree Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2. Betula lenta	25	✓	FACU
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	100% = Total Cover		
50% of total cover: 50	20% of total cover: 20		

Sapling/Shrub Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex opaca	50	✓	FAC
2. Callicarpa americana	25	✓	FACU
3. Quercus nigra	25	✓	FAC
4. Ligustrum sinense	20		FAC
5.	0		
6.	0		
7.	0		
8.	0		
	120% = Total Cover		
50% of total cover: 60	20% of total cover: 24		

Herb Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Smilax bona-nox	10	✓	FAC
2. Ligustrum sinense	5	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	15% = Total Cover		
50% of total cover: 8	20% of total cover: 3		

Woody Vine Stratum (Plot size: ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis cinerea	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	25% = Total Cover		
50% of total cover: 13	20% of total cover: 5		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	210	x 3 =	630
FACU species	50	x 4 =	200
UPL species	0	x 5 =	0
Column Totals:	260 (A)		830 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1046

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 8	10YR 3/3	100					Sandy clay loam	
8 - 20	2.5Y 5/6	100					Sand	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Gilbertown/Choctaw Sampling Date: 2020-01-15

Applicant/Owner: ______ State: Alabama Sampling Point: UP1048

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmD NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ___ No ✓ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?	✓	
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓
Is the Sampled Area within a Wetland?		✓

Remarks:

Rainfall 1/14/2020, clear cut area with few mature hardwoods remaining

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- [ ] Surface Water (A1)
- [ ] High Water Table (A2)
- [x] Saturation (A3)
- [ ] Water Marks (B1)
- [ ] Sediment Deposits (B2)
- [ ] Drift Deposits (B3)
- [ ] Algal Mat or Crust (B4)
- [ ] Iron Deposits (B5)
- [ ] Inundation Vis ble on Aerial Imagery (B7)
- [ ] Water-Stained Leaves (B9)
- [ ] Aquatic Fauna (B13)
- [ ] Marl Deposits (B15) **(LRR U)**
- [ ] Hydrogen Sulfide Odor (C1)
- [ ] Oxidized Rhizospheres along Living Roots (C3)
- [ ] Presence of Reduced Iron (C4)
- [ ] Recent Iron Reduction in Tilled Soils (C6)
- [ ] Thin Muck Surface (C7)
- [ ] Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- [ ] Surface Soil Cracks (B6)
- [ ] Sparsely Vegetated Concave Surface (B8)
- [ ] Drainage Patterns (B10)
- [ ] Moss Trim Lines (B16)
- [ ] Dry-Season Water Table (C2)
- [ ] Crayfish Burrows (C8)
- [ ] Saturation Visible on Aerial Imagery (C9)
- [ ] Geomorphic Position (D2)
- [ ] Shallow Aquitard (D3)
- [x] FAC-Neutral Test (D5)
- [ ] Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)	✓		2

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Saturation likely from heavy rains from previous day. Water present in soil pit not within 12 inches of surface

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

Sampling Point: UP1048

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	50	✓	FAC
2. Quercus nigra	40	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	90%	= Total Cover	
50% of total cover: 45	20% of total cover: 18		

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus nigra	25	✓	FAC
2. Magnolia virginiana	10	✓	FACW
3. Ilex opaca	5		FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	40%	= Total Cover	
50% of total cover: 20	20% of total cover: 8		

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
		= Total Cover	
50% of total cover:	20% of total cover:		

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Smilax laurifolia	25	✓	FACW
2. Smilax glauca	5		FAC
3.	0		
4.	0		
5.	0		
	30%	= Total Cover	
50% of total cover: 15	20% of total cover: 6		

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	35	x 2 = 70
FAC species	125	x 3 = 375
FACU species	0	x 4 = 0
UPL species	0	x 5 = 0
Column Totals:	160 (A)	445 (B)

Prevalence Index = B/A = 2.8

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1048

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features				Texture	Remarks
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		
0 - 3	5YR 3/1	100					Silty clay loam	
3 - 20	10YR 3/3	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Gilbertown/Choctaw Sampling Date: 2020-01-15

Applicant/Owner: State: Alabama Sampling Point: UP1049

Investigator(s): [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmD NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	**Is the Sampled Area within a Wetland?** Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓	
Wetland Hydrology Present?	Yes ___	No ✓	

Remarks:
Clear cut area

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1049

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		
Sapling/Shrub Stratum (Plot size: 30 ft r)			
1. Rubus argutus	50	✓	FAC
2. Ilex opaca	40	✓	FAC
3. Pinus taeda	40	✓	FAC
4. Liquidambar styraciflua	30		FAC
5. Baccharis halimifolia	25		FAC
6.	0		
7.	0		
8.	0		
	185% = Total Cover		
50% of total cover: 93	20% of total cover: 37		
Herb Stratum (Plot size: 30 ft r)			
1. Andropogon virginicus	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	25% = Total Cover		
50% of total cover: 13	20% of total cover: 5		
Woody Vine Stratum (Plot size: 30 ft r)			
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	0	x 2 = 0
FAC species	210	x 3 = 630
FACU species	0	x 4 = 0
UPL species	0	x 5 = 0
Column Totals:	210 (A)	630 (B)

Prevalence Index = B/A = 3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1049

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 18	7.5YR 4/6	100					Sandy clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Hard pan

Depth (inches): 18

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Toxey/Choctaw Sampling Date: 2020-01-16

Applicant/Owner: ______ State: Alabama Sampling Point: UP1051

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BnE2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓
Hydric Soil Present?	Yes ___	No ✓
Wetland Hydrology Present?	Yes ___	No ✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Rainfall 1/16/2020

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1051

Tree Stratum (Plot size: 30 ft r)

Status	Absolute % Cover	Dominant Species?	Indicator
1. Liquidambar styraciflua	50	✓	FAC
2. Pinus taeda	30	✓	FAC
3. Prunus serotina	25	✓	FACU
4. Quercus nigra	10		FAC
5.	0		
6.	0		
7.	0		
8.	115% = Total Cover		

50% of total cover: 58 20% of total cover: 23

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator
1. Quercus nigra	25	✓	FAC
2. Morella cerifera	10	✓	FAC
3. Quercus falcata	10	✓	FACU
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	45% = Total Cover		

50% of total cover: 23 20% of total cover: 9

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator
1. Ilex opaca	5	✓	FAC
2. Magnolia grandiflora	5	✓	FAC
3. Quercus nigra	5	✓	FAC
4. Smilax bona-nox	5	✓	FAC
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	20% = Total Cover		

50% of total cover: 10 20% of total cover: 4

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator
1. Smilax glauca	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 9 (A)

Total Number of Dominant Species Across All Strata: 11 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 82 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	0	x 2 = 0
FAC species	155	x 3 = 465
FACU species	35	x 4 = 140
UPL species	0	x 5 = 0
Column Totals:	190 (A)	605 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1051

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	10YR 3/2	100					Silt Loam	Some sand in soil
3 - 20	10YR 4/3	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Gilbertown/Choctaw Sampling Date: 2020-01-16

Applicant/Owner: ______ State: Alabama Sampling Point: UP1052

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 5

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BnE2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓		
Wetland Hydrology Present?	Yes ___ No ✓		

Remarks:
Active clearcutting/recent clearcut

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ______	
Water Table Present?	Yes ___ No ✓	Depth (inches): ______	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ______	**Wetland Hydrology Present? Yes ___ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1052

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	0	x 2 = 0
FAC species	0	x 3 = 0
FACU species	0	x 4 = 0
UPL species	0	x 5 = 0
Column Totals:	0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
No vegetation present due to clearcut activity

SOIL

Sampling Point: UP1052

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	10YR 2/2	100					Sandy loam	
3 - 18	2.5Y 5/4	100					Sand	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Gilbertown/Choctaw Sampling Date: 2020-01-17

Applicant/Owner: ______ State: Alabama Sampling Point: UP1053

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 4

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: IzA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No ✓ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ______, or Hydrology ______ significantly disturbed? Are "Normal Circumstances" present? Yes ______ 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 ✓	Is the Sampled Area within a Wetland?	Yes ______ No ✓
Hydric Soil Present?	Yes ______ No ✓		
Wetland Hydrology Present?	Yes ______ No ✓		

Remarks:Clear cut area. Upland sample for wetland W1053, W1054, and W1055

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ______ No ✓	Depth (inches): ______	
Water Table Present?	Yes ______ No ✓	Depth (inches): ______	
Saturation Present? (includes capillary fringe)	Yes ______ No ✓	Depth (inches): ______	**Wetland Hydrology Present? Yes ______ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1053

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	10% = Total Cover		
50% of total cover: 5	20% of total cover: 2		

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	40	✓	FAC
2. Rubus allegheniensis	25	✓	UPL
3. Rhus aromatica	15		UPL
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	80% = Total Cover		
50% of total cover: 40	20% of total cover: 16		

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Eupatorium capillifolium	25	✓	FACU
2. Andropogon virginicus	10	✓	FAC
3. Gelsemium sempervirens	10	✓	FAC
4. Rubus allegheniensis	10	✓	UPL
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	55% = Total Cover		
50% of total cover: 28	20% of total cover: 11		

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	7	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	57	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	70	x 3 =	210
FACU species	25	x 4 =	100
UPL species	50	x 5 =	250
Column Totals:	145 (A)		560 (B)

Prevalence Index = B/A = 3.9

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1053

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 15	10YR 5/6	100					Sandy loam	
15 - 20	5YR 4/6	100					Clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Gilbertown/Choctaw Sampling Date: 2020-01-19

Applicant/Owner: State: Alabama Sampling Point: UP1056

Investigator(s): [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 6

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: IzA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓
Is the Sampled Area within a Wetland?		✓

Remarks:
Adjacent to livestock pasture. Upland sample for wetlands W1056 and W1060

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches):
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1056

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	50	✓	FAC
2. Fagus grandifolia	30	✓	FACU
3. Ilex opaca	25	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	105%	= Total Cover	

50% of total cover: 53 20% of total cover: 21

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex opaca	40	✓	FAC
2. Ilex vomitoria	25	✓	FAC
3. Quercus nigra	15		FAC
4. Rubus argutus	10		FAC
5.	0		
6.	0		
7.	0		
8.	0		
	90%	= Total Cover	

50% of total cover: 45 20% of total cover: 18

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Gelsemium sempervirens	10	✓	FAC
2. Ilex opaca	5	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	15%	= Total Cover	

50% of total cover: 8 20% of total cover: 3

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
		= Total Cover	

50% of total cover: ____ 20% of total cover: ____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 86 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	180	x 3 =	540
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	210 (A)		660 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1056

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 12	10YR 3/2	100					Sandy loam	
12 - 18	2.5Y 5/4	100					Sand	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Gilbertown/Choctaw Sampling Date: 2020-01-18

Applicant/Owner: ______ State: Alabama Sampling Point: UP1057

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 8

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BnE2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓		
Wetland Hydrology Present?	Yes ___ No ✓		

Remarks: Clear cut. Upland Sample point for Wetlands W1057, W1058, and W1059

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ______	
Water Table Present?	Yes ___ No ✓	Depth (inches): ______	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ______	**Wetland Hydrology Present? Yes ___ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1057

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
)	0		
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.			
	= Total Cover		
50% of total cover:		20% of total cover:	

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus virginiana	75	✓	FACU
2. Rubus allegheniensis	25		UPL
3. Liquidambar styraciflua	20		FAC
4. Pinus taeda	10		FAC
5. Vaccinium arboreum	10		FACU
6.	0		
7.	0		
8.	0		
	140% = Total Cover		
50% of total cover:	70	20% of total cover:	28

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	10% = Total Cover		
50% of total cover:	5	20% of total cover:	2

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		
50% of total cover:		20% of total cover:	

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 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	40	x 3 =	120
FACU species	85	x 4 =	340
UPL species	25	x 5 =	125
Column Totals:	150 (A)		585 (B)

Prevalence Index = B/A = 3.9

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1057

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 5	5Y 5/1	100					Sandy loam	Sandy top layer
6 - 20	2.5Y 6/6	100					Sand	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Gilbertown/Choctaw Sampling Date: 2020-01-19

Applicant/Owner: ______ State: Alabama Sampling Point: UP1061

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 5

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BnE2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Clear cut 5-8 years. Upland sample for wetlands UP1061 and UP1062

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland hill slope with erosional features present

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

Sampling Point: UP1061

Tree Stratum (Plot size: 30 ft r)

Status	Absolute % Cover	Dominant Species?	Indicator
1. Pinus taeda	50	✓	FAC
2. Oxydendrum arboreum	15	✓	FACU
3. Liquidambar styraciflua	10		FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	75% = Total Cover		

50% of total cover: 38 20% of total cover: 15

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator
1. Ligustrum sinense	30	✓	FAC
2. Pinus taeda	30	✓	FAC
3. Betula lenta	20		FACU
4. Ilex opaca	20		FAC
5. Magnolia virginiana	15		FACW
6.	0		
7.	0		
8.	0		
	115% = Total Cover		

50% of total cover: 58 20% of total cover: 23

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator
1. Mitchella repens	10	✓	FACU
2. Smilax bona-nox	10	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	20% = Total Cover		

50% of total cover: 10 20% of total cover: 4

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		

50% of total cover: ____ 20% of total cover: ____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 67 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	15	x 2 =	30
FAC species	150	x 3 =	450
FACU species	45	x 4 =	180
UPL species	0	x 5 =	0
Column Totals:	210 (A)		660 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland hillslope

SOIL

Sampling Point: UP1061

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 6	10YR 3/3	100					Sandy loam	
6 - 20	7.5YR 4/6	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.
[2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland hillslope

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Gilbertown/Choctaw Sampling Date: 2020-01-20

Applicant/Owner: ______ State: Alabama Sampling Point: UP1065

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 5

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ___ No ✓ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓
Hydric Soil Present? Yes ___ No ✓
Wetland Hydrology Present? Yes ___ No ✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Clear cut area

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): ______
Water Table Present? Yes ___ No ✓ Depth (inches): ______
Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): ______

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1065

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
)	0		
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.			
	= Total Cover		
50% of total cover:		20% of total cover:	

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	30	✓	FAC
2. Rubus argutus	25	✓	FAC
3. Ilex vomitoria	10		FAC
4. Morella cerifera	10		FAC
5. Quercus nigra	10		FAC
6.	0		
7.	0		
8.	0		
	85% = Total Cover		
50% of total cover: 43		20% of total cover: 17	

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	40	✓	FAC
2. Lonicera japonica	25	✓	FACU
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	65% = Total Cover		
50% of total cover: 33		20% of total cover: 13	

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		
50% of total cover:		20% of total cover:	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	125	x 3 =	375
FACU species	25	x 4 =	100
UPL species	0	x 5 =	0
Column Totals:	150 (A)		475 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1065

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 6	10YR 3/4	100					Sandy loam	
6 - 18	5YR 4/6	100					Clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: St Stephens/Washington Sampling Date: 2020-01-21

Applicant/Owner: ______ State: Alabama Sampling Point: UP1068

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BaB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓		
Wetland Hydrology Present?	Yes ___ No ✓		

Remarks:
Agricultural fields

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland, agricultural fields

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

Sampling Point: UP1068

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
)	0		
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.			
		= Total Cover	

50% of total cover: ______ 20% of total cover: ______

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
		= Total Cover	

50% of total cover: ______ 20% of total cover: ______

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Triticum aestivum	75	✓	NI
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	75%	= Total Cover	

50% of total cover: 38 20% of total cover: 15

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
		= Total Cover	

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	0	x 2 = 0
FAC species	0	x 3 = 0
FACU species	0	x 4 = 0
UPL species	0	x 5 = 0
Column Totals:	0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ✓

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

SOIL

Sampling Point: UP1068

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	2.5Y 3/3	100					Silty clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Agricultural fields

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: ______ Sampling Date: 2020-01-22

Applicant/Owner: ______ State: Alabama Sampling Point: UP1069

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 5

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BiA NWI classification: PFO 1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks:
Planted pine, cluttered understory

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ______
Water Table Present?	Yes ___	No ✓	Depth (inches): ______
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ______

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland habitat

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

Sampling Point: UP1069

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	75%	= Total Cover	
50% of total cover: 38	20% of total cover: 15		

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Callicarpa americana	50	✓	FACU
2. Rubus argutus	50	✓	FAC
3. Quercus nigra	10		FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	110%	= Total Cover	
50% of total cover: 55	20% of total cover: 22		

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Asplenium platyneuron	25	✓	FACU
2. Chasmanthium latifolium	10	✓	FAC
3. Pinus taeda	10	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	45%	= Total Cover	
50% of total cover: 23	20% of total cover: 9		

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
		= Total Cover	
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	6	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	67	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	155	x 3 =	465
FACU species	75	x 4 =	300
UPL species	0	x 5 =	0
Column Totals:	230 (A)		765 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1069

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 5/6	100					Sandy loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:
Upland habitat

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Leroy/Washington Sampling Date: 2020-03-23

Applicant/Owner: ______ State: Alabama Sampling Point: UP1071

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BaA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
ROW mowed, ruts from tractor/equipment altering hydrologic flow, adjacent to livestock pasture

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches):
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland point

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

Sampling Point: UP1071

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	20	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	20% = Total Cover		

50% of total cover: 10 20% of total cover: 4

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	75	✓	FAC
2. Eupatorium capillifolium	25		FACU
3. Liquidambar styraciflua	10		FAC
4. Oxalis stricta	10		UPL
5. Rubus argutus	10		FAC
6. Pinus taeda	5		FAC
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	135% = Total Cover		

50% of total cover: 68 20% of total cover: 27

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	120	x 3 =	360
FACU species	25	x 4 =	100
UPL species	10	x 5 =	50
Column Totals:	155 (A)		510 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1071

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 15	7.5YR 3/1	100					Silty clay loam	
15 - 20	2.5Y 5/4	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Leroy/Washington Sampling Date: 2020-03-23

Applicant/Owner: ______ State: Alabama Sampling Point: UP1072

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MaA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks:
Planted pines (P. taeda), upland point

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland point

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

Sampling Point: UP1072

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	60	✓	FAC
2. Liquidambar styraciflua	25	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	85% = Total Cover		

50% of total cover: 43 20% of total cover: 17

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	30	✓	FAC
2. Callicarpa americana	15	✓	FACU
3. Ilex vomitoria	15	✓	FAC
4. Elaeagnus angustifolia	10		FACU
5. Quercus falcata	10		FACU
6.	0		
7.	0		
8.	0		
	80% = Total Cover		

50% of total cover: 40 20% of total cover: 16

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Toxicodendron radicans	20	✓	FAC
2. Callicarpa americana	10	✓	FACU
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	30% = Total Cover		

50% of total cover: 15 20% of total cover: 6

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 71 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	150	x 3 =	450
FACU species	45	x 4 =	180
UPL species	0	x 5 =	0
Column Totals:	195 (A)		630 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ✓

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1072

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 8	10YR 4/3	100					Sandy clay loam	
8 - 20	7.5YR 5/4	100					Sandy clay	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Leroy/Washington Sampling Date: 2020-03-23

Applicant/Owner: ______ State: Alabama Sampling Point: UP1073

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (%): 4

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmD NWI classification: PFO1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks: Upland sample for wetlands W1073/W1074

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland point

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

Sampling Point: UP1073

Tree Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	50	✓	FAC
2. Liriodendron tulipifera	30	✓	FACU
3. Quercus alba	30	✓	FACU
4. Liquidambar styraciflua	20		FAC
5.	0		
6.	0		
7.	0		
8.	0		
	130% = Total Cover		

50% of total cover: 65 20% of total cover: 26

Sapling/Shrub Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Ostrya virginiana	25	✓	FACU
2. Prunus serotina	15	✓	FACU
3. Quercus nigra	10	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	50% = Total Cover		

50% of total cover: 25 20% of total cover: 10

Herb Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Hexastylis arifolia	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Woody Vine Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	25% = Total Cover		

50% of total cover: 13 20% of total cover: 5

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	115	x 3 =	345
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	215 (A)		745 (B)

Prevalence Index = B/A = 3.5

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1073

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	2.5Y 4/3	100					Loamy sand	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2020-03-25

Applicant/Owner: ______ State: Alabama Sampling Point: UP1076

Investigator(s) [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Concave Slope (%): 2

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmD NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ____ 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 ✓
Hydric Soil Present?	Yes ____	No ✓
Wetland Hydrology Present?	Yes ____	No ✓

Is the Sampled Area within a Wetland? Yes ____ No ✓

Remarks:
Planted loblolly with heavily cluttered understory

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____	No ✓	Depth (inches): ______
Water Table Present?	Yes ____	No ✓	Depth (inches): ______
Saturation Present? (includes capillary fringe)	Yes ____	No ✓	Depth (inches): ______

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1076

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	75%	= Total Cover	

50% of total cover: 38 20% of total cover: 15

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
		= Total Cover	

50% of total cover: ______ 20% of total cover: ______

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	50	✓	FAC
2. Eupatorium capillifolium	10		FACU
3. Lonicera japonica	10		FACU
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	70%	= Total Cover	

50% of total cover: 35 20% of total cover: 14

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
		= Total Cover	

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	100	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	125	x 3 =	375
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	145 (A)		455 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ✓

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

SOIL

Sampling Point: UP1076

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	5YR 5/8	100					Sandy clay	
3 - 10	10YR 5/1	100					Sandy clay	
10 - 18	10YR 6/3	100					Sandy clay	
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Silas/Choctaw Sampling Date: 2020-03-30

Applicant/Owner: ______ State: Alabama Sampling Point: UP1080

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SaB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Upland within livestock pasture. Upland sample for wetlands W1080 and W1081.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1080

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus nigra	50	✓	FAC
2. Liquidambar styraciflua	25	✓	FAC
3. Quercus alba	20	✓	FACU
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	95%	= Total Cover	
50% of total cover: 48	20% of total cover: 19		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ulmus alata	20	✓	FACU
2. Zanthoxylum clava-herculis	20	✓	FAC
3. Acer rubrum	15	✓	FAC
4. Prunus serotina	10		FACU
5.	0		
6.	0		
7.	0		
8.	0		
	65%	= Total Cover	
50% of total cover: 33	20% of total cover: 13		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Toxicodendron radicans	25	✓	FAC
2. Campsis radicans	10	✓	FAC
3. Smilax rotundifolia	10	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	45%	= Total Cover	
50% of total cover: 23	20% of total cover: 9		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Smilax glauca	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	10%	= Total Cover	
50% of total cover: 5	20% of total cover: 2		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)

Total Number of Dominant Species Across All Strata: 10 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 80 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	0	x 2 = 0
FAC species	165	x 3 = 495
FACU species	50	x 4 = 200
UPL species	0	x 5 = 0
Column Totals:	215 (A)	695 (B)

Prevalence Index = B/A = 3.2

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1080

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 18	5YR 3/2	100					Silt Loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: Hard pan

Depth (inches): 15

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Toxey/Choctaw Sampling Date: 2020-04-02

Applicant/Owner: ______ State: Alabama Sampling Point: UP1082

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: IzA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?	✓	
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓
Is the Sampled Area within a Wetland?		✓

Remarks: Planted Loblolly. Upland sample for wetlands W1082, W1083, W1084, W1093, AND W1094.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland

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

Sampling Point: UP1082

Tree Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	75	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	75% = Total Cover		

50% of total cover: 38 20% of total cover: 15

Sapling/Shrub Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Herb Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Woody Vine Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	0	x 2 = 0
FAC species	75	x 3 = 225
FACU species	0	x 4 = 0
UPL species	0	x 5 = 0
Column Totals:	75 (A)	225 (B)

Prevalence Index = B/A = 3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ______

Remarks: (If observed, list morphological adaptations below).
Upland

SOIL

Sampling Point: UP1082

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 5/4	100					Sandy clay	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Toxey/Choctaw Sampling Date: 2020-04-02

Applicant/Owner: ______ State: Alabama Sampling Point: UP1085

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: IzA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ___, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ___
Hydric Soil Present?	Yes ___	No ✓
Wetland Hydrology Present?	Yes ___	No ✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:

Planted loblolly with cluttered understory. Upland sample for wetlands W1085, W1086, W1087, W1110, W1111 and W1112

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1085

Tree Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	60	✓	FAC
2. Liquidambar styraciflua	40	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
= Total Cover	100%		

50% of total cover: 50 20% of total cover: 20

Sapling/Shrub Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	30	✓	FAC
2. Morella cerifera	25	✓	FAC
3. Quercus nigra	10		FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
= Total Cover	65%		

50% of total cover: 33 20% of total cover: 13

Herb Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Chasmanthium sessiliflorum	10	✓	FAC
2. Vitis rotundifolia	10	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
= Total Cover	20%		

50% of total cover: 10 20% of total cover: 4

Woody Vine Stratum (Plot size: 30)

	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
= Total Cover			

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	185	x 3 =	555
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	185 (A)		555 (B)

Prevalence Index = B/A = 3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ______

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

SOIL

Sampling Point: UP1085

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	7.5YR 4/1	100					Sandy clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Toxey/Choctaw Sampling Date: 2020-04-05

Applicant/Owner: ______ State: Alabama Sampling Point: UP1088

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MdA NWI classification: PFO1/4A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓
Is the Sampled Area within a Wetland?		✓

Remarks:
Upland within remnant RR bed. Upland sample for wetlands W1088, W1089, W1090, W1091, and W1092

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1088

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ostrya virginiana	40	✓	FACU
2. Liquidambar styraciflua	10		FAC
3. Morella cerifera	10		FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	60% = Total Cover		

50% of total cover: 30 20% of total cover: 12

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Amphicarpaea bracteata	10	✓	FAC
2. Campsis radicans	10	✓	FAC
3. Imperata cylindrica	10	✓	UPL
4. Polystichum acrostichoides	10	✓	FACU
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	40% = Total Cover		

50% of total cover: 20 20% of total cover: 8

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	40	x 3 =	120
FACU species	50	x 4 =	200
UPL species	10	x 5 =	50
Column Totals:	100 (A)		370 (B)

Prevalence Index = B/A = 3.7

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ✓

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

SOIL

Sampling Point: UP1088

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 4/3						Silty clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Toxey/Choctaw Sampling Date: 2020-04-04

Applicant/Owner: ______ State: Alabama Sampling Point: UP1095

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: IzA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓		
Wetland Hydrology Present?	Yes ___	No ✓		

Remarks: Upland sample for wetlands W1095, W1096, W1097, and W1098

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ______
Water Table Present?	Yes ___	No ✓	Depth (inches): ______
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ______

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1095

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus nigra	50	✓	FAC
2. Quercus laurifolia	40	✓	FACW
3. Quercus michauxii	25	✓	FACW
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	115% = Total Cover		
50% of total cover: 58	20% of total cover: 23		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Cornus florida	25	✓	FACU
2. Ostrya virginiana	25	✓	FACU
3. Tilia americana	25	✓	FACU
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	75% = Total Cover		
50% of total cover: 38	20% of total cover: 15		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Parthenocissus quinquefolia	10	✓	FACU
2. Vitis rotundifolia	10	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	20% = Total Cover		
50% of total cover: 10	20% of total cover: 4		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	25% = Total Cover		
50% of total cover: 13	20% of total cover: 5		

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 56 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	65	x 2 =	130
FAC species	85	x 3 =	255
FACU species	85	x 4 =	340
UPL species	0	x 5 =	0
Column Totals:	235 (A)		725 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1095

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 4/3						Silty clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Toxey/Choctaw Sampling Date: 2020-04-20

Applicant/Owner: State: Alabama Sampling Point: UP1099

Investigator(s): [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MdA NWI classification: PFO1/4A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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 ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks:

Upland within remnant RR bed

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1099

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ostrya virginiana	40	✓	FACU
2. Liquidambar styraciflua	10		FAC
3. Morella cerifera	10		FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	60% = Total Cover		
50% of total cover: 30	20% of total cover: 12		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Amphicarpaea bracteata	10	✓	FAC
2. Campsis radicans	10	✓	FAC
3. Imperata cylindrica	10	✓	UPL
4. Polystichum acrostichoides	10	✓	FACU
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	40% = Total Cover		
50% of total cover: 20	20% of total cover: 8		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
	= Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	40	x 3 =	120
FACU species	50	x 4 =	200
UPL species	10	x 5 =	50
Column Totals:	100 (A)		370 (B)

Prevalence Index = B/A = 3.7

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

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

SOIL

Sampling Point: UP1099

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 4/3						Silty clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Needham/Choctaw Sampling Date: 2020-04-06

Applicant/Owner: State: Alabama Sampling Point: UP1100

Investigator(s): [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MdA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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.

	Yes	No
Hydrophytic Vegetation Present?	✓	
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓
Is the Sampled Area within a Wetland?		✓

Remarks: Upland flat. Upland sample for wetlands W1100, W1101, and W1102

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1100

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus nigra	75	✓	FAC
2. Acer rubrum	50	✓	FAC
3. Liquidambar styraciflua	50	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	175%	= Total Cover	
50% of total cover: 88	20% of total cover: 35		

Sapling/Shrub Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Acer rubrum	30	✓	FAC
2. Nyssa sylvatica	25	✓	FAC
3. Ilex opaca	10		FAC
4. Morella cerifera	10		FAC
5. Tilia americana	10		FACU
6. Vaccinium arboreum	10		FACU
7.	0		
8.	0		
	95%	= Total Cover	
50% of total cover: 48	20% of total cover: 19		

Herb Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex opaca	10	✓	FAC
2. Vitis rotundifolia	10	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	20%	= Total Cover	
50% of total cover: 10	20% of total cover: 4		

Woody Vine Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis rotundifolia	25	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	25%	= Total Cover	
50% of total cover: 13	20% of total cover: 5		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	295	x 3 =	885
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	315 (A)		965 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1100

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 6/4						Sandy loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 LOWMAN City/County: St Stephens/Washington Sampling Date: 2020-04-10

Applicant/Owner: ______ State: AL Sampling Point: UP1116

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): ______

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: ByF2 NWI classification: ______

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?	✓	
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Planted loblolly

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1116

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	50	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	50%	= Total Cover	
50% of total cover: 25	20% of total cover: 10		

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Callicarpa americana	25	✓	FACU
2. Liquidambar styraciflua	25	✓	FAC
3. Rubus argutus	25	✓	FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	75%	= Total Cover	
50% of total cover: 38	20% of total cover: 15		

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Gelsemium sempervirens	30	✓	FAC
2. Vitis cinerea	25	✓	FAC
3. Lonicera japonica	20	✓	FACU
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	75%	= Total Cover	
50% of total cover: 38	20% of total cover: 15		

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis cinerea	25	✓	FAC
2. Smilax laurifolia	10	✓	FACW
3.	0		
4.	0		
5.	0		
	35%	= Total Cover	
50% of total cover: 18	20% of total cover: 7		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 78 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	180	x 3 =	540
FACU species	45	x 4 =	180
UPL species	0	x 5 =	0
Column Totals:	235 (A)		740 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1116

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	2.5Y 5/2	100					Sandy clay	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 LOWMAN City/County: Needham/Choctaw Sampling Date: 2020-04-13

Applicant/Owner: ______ State: AL Sampling Point: UP1118/UP1119

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 0

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MdA NWI classification: PSS1/4A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ___ 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.

	Yes	No
Hydrophytic Vegetation Present?	✓	
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓
Is the Sampled Area within a Wetland?		✓

Remarks:
Remnant RR bed and unimproved AR

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1118/UP1119

Tree Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
= Total Cover			

50% of total cover: ______ 20% of total cover: ______

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	40	✓	FAC
2. Callicarpa americana	10		FACU
3. Quercus nigra	10		FAC
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
= Total Cover	60%		

50% of total cover: 30 20% of total cover: 12

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Gelsemium sempervirens	30	✓	FAC
2. Lonicera japonica	20	✓	FACU
3. Parthenocissus quinquefolia	20	✓	FACU
4. Andropogon virginicus	10		FAC
5. Sorghum halepense	10		FACU
6. Toxicodendron radicans	10		FAC
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
= Total Cover	100%		

50% of total cover: 50 20% of total cover: 20

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis cinerea	25	✓	FAC
2. Smilax laurifolia	10	✓	FACW
3.	0		
4.	0		
5.	0		
= Total Cover	35%		

50% of total cover: 18 20% of total cover: 7

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

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

Percent of Dominant Species That Are OBL, FACW, or FAC: 67 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	10	x 2 = 20
FAC species	125	x 3 = 375
FACU species	60	x 4 = 240
UPL species	0	x 5 = 0
Column Totals:	195 (A)	635 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ______

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

SOIL

Sampling Point: UP1118/UP1119

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 4/3	100					Sandy loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 LOWMAN City/County: Frankville/Washington Sampling Date: 2020-04-15

Applicant/Owner: ______ State: AL Sampling Point: UP1121/UP1122

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Undulating Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: UuB NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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.

	Yes	No
Hydrophytic Vegetation Present?	✓	
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ____ No ✓

Remarks:
Adjacent to perennial stream

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1121/UP1122

Tree Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus glabra	40	✓	FACW
2. Liquidambar styraciflua	30	✓	FAC
3. Quercus nigra	30	✓	FAC
4. Tilia americana	25	✓	FACU
5.	0		
6.	0		
7.	0		
8.	0		
	125% = Total Cover		

50% of total cover: 63 20% of total cover: 25

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Hamamelis virginiana	50	✓	FACU
2. Morella cerifera	30	✓	FAC
3. Liquidambar styraciflua	25		FAC
4. Magnolia macrophylla	20		NI
5. Vaccinium corymbosum	20		FACW
6. Ilex opaca	10		FAC
7.	0		
8.	0		
	155% = Total Cover		

50% of total cover: 78 20% of total cover: 31

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Dichanthelium commutatum	20	✓	FAC
2. Parthenocissus quinquefolia	20	✓	FACU
3. Pteridium aquilinum	10		FACU
4. Toxicodendron radicans	10		FAC
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	60% = Total Cover		

50% of total cover: 30 20% of total cover: 12

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Smilax rotundifolia	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 67 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	60	x 2 =	120
FAC species	165	x 3 =	495
FACU species	105	x 4 =	420
UPL species	0	x 5 =	0
Column Totals:	330 (A)		1035 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1121/UP1122

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 5/4	100					Silty clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ______ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 LOWMAN City/County: Frankville/Washington Sampling Date: 2020-04-16

Applicant/Owner: ______ State: AL Sampling Point: UP1125

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Concave Slope (%): 3

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: ByD2 NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ✓	Depth (inches): ______	
Water Table Present?	Yes ___ No ✓	Depth (inches): ______	
Saturation Present? (includes capillary fringe)	Yes ___ No ✓	Depth (inches): ______	**Wetland Hydrology Present? Yes ___ No ✓**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1125

Tree Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Liriodendron tulipifera	75	✓	FACU
2. Ilex opaca	40	✓	FAC
3. Quercus nigra	30		FAC
4. Juniperus virginiana	25		FACU
5. Pinus taeda	25		FAC
6.	0		
7.	0		
8.	0		
	195%	= Total Cover	

50% of total cover: 98 20% of total cover: 39

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Ilex vomitoria	20	✓	FAC
2. Quercus nigra	20	✓	FAC
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	40%	= Total Cover	

50% of total cover: 20 20% of total cover: 8

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Callicarpa americana	20	✓	FACU
2. Chasmanthium sessiliflorum	10	✓	FAC
3. Toxicodendron radicans	10	✓	FAC
4. Hexastylis arifolia	5		FAC
5. Ilex opaca	5		FAC
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	50%	= Total Cover	

50% of total cover: 25 20% of total cover: 10

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Vitis cinerea	25	✓	FAC
2. Smilax rotundifolia	10	✓	FAC
3.	0		
4.	0		
5.	0		
	35%	= Total Cover	

50% of total cover: 18 20% of total cover: 7

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 78 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	200	x 3 =	600
FACU species	120	x 4 =	480
UPL species	0	x 5 =	0
Column Totals:	320 (A)		1080 (B)

Prevalence Index = B/A = 3.4

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ____

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

SOIL

Sampling Point: UP1125

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 5	5Y 4/1	100					Silt Loam	
5 - 20	10YR 5/6	100					Silty clay loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 LOWMAN City/County: Silas/Choctaw Sampling Date: 2020-04-17

Applicant/Owner: ______ State: AL Sampling Point: UP1129

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (%): 1

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SsA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓		
Wetland Hydrology Present?	Yes ___	No ✓		

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1129

Tree Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Populus deltoides	75	✓	FAC
2. Juniperus virginiana	25		FACU
3. Pinus taeda	25		FAC
4. Celtis laevigata	20		FACW
5.	0		
6.	0		
7.	0		
8.	0		
	145% = Total Cover		

50% of total cover: 73 20% of total cover: 29

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	25	✓	FAC
2. Acer negundo	20	✓	FAC
3. Ligustrum sinense	20	✓	FAC
4. Quercus nigra	10		FAC
5.	0		
6.	0		
7.	0		
8.	0		
	75% = Total Cover		

50% of total cover: 38 20% of total cover: 15

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Toxicodendron radicans	25	✓	FAC
2. Campsis radicans	10	✓	FAC
3. Parthenocissus quinquefolia	10	✓	FACU
4. Hexastylis arifolia	5		FAC
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	50% = Total Cover		

50% of total cover: 25 20% of total cover: 10

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Smilax rotundifolia	10	✓	FAC
2.	0		
3.	0		
4.	0		
5.	0		
	10% = Total Cover		

50% of total cover: 5 20% of total cover: 2

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 88 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	20	x 2 =	40
FAC species	225	x 3 =	675
FACU species	35	x 4 =	140
UPL species	0	x 5 =	0
Column Totals:	280 (A)		855 (B)

Prevalence Index = B/A = 3.1

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ✓ No ___

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

SOIL

Sampling Point: UP1129

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	5YR 4/6	100					Sandy clay loam	
0 - 0		0						
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- [ ] 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)**
- [ ] 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- [ ] 1 cm Muck (A9) **(LRR O)**
- [ ] 2 cm Muck (A10) **(LRR S)**
- [ ] Reduced Vertic (F18) **(outside MLRA 150A,B)**
- [ ] Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- [ ] Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- [ ] Red Parent Material (TF2)
- [ ] Very Shallow Dark Surface (TF12)
- [ ] Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ______

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 LOWMAN City/County: Needham/Choctaw Sampling Date: 2020-04-22

Applicant/Owner: ______ State: AL Sampling Point: UP1135

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Undulating Slope (%): 2

Subregion (LRR or MLRA): P 133A Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: MdA NWI classification: PFO1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓
Hydric Soil Present?	Yes ___	No ✓
Wetland Hydrology Present?	Yes ___	No ✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Adjacent to unimproved access road

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

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

Sampling Point: UP1135

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus alba	60	✓	FACU
2. Quercus falcata	50	✓	FACU
3. Fagus grandifolia	40	✓	FACU
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	150%	= Total Cover	

50% of total cover: 75 20% of total cover: 30

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Illicium floridanum	30	✓	FACW
2. Hamamelis virginiana	25	✓	FACU
3. Acer saccharum	20	✓	FACU
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
	75%	= Total Cover	

50% of total cover: 38 20% of total cover: 15

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Illicium floridanum	5	✓	FACW
2.	0		
3.	0		
4.	0		
5.	0		
6.	0		
7.	0		
8.	0		
9.	0		
10.	0		
11.	0		
12.	0		
	5%	= Total Cover	

50% of total cover: 3 20% of total cover: 1

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0		
2.	0		
3.	0		
4.	0		
5.	0		
		= Total Cover	

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 29 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	35	x 2 =	70
FAC species	0	x 3 =	0
FACU species	195	x 4 =	780
UPL species	0	x 5 =	0
Column Totals:	230 (A)		850 (B)

Prevalence Index = B/A = 3.7

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ✓

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

SOIL

Sampling Point: UP1135

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 18	10YR 5/4	100					Silty clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: NA

Depth (inches): ____

Hydric Soil Present? Yes ____ No ✓

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-12

Applicant/Owner: NextEra State: Alabama Sampling Point: UP2001

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): P Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmD NWI classification: ______

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___
Hydric Soil Present?	Yes ___	No ___
Wetland Hydrology Present?	Yes ___	No ___

Is the Sampled Area within a Wetland? Yes ___ No ___

Remarks:
Upland sample point for wetland W2001. Agricultural field.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ___	Depth (inches): ___
Water Table Present?	Yes ___	No ___	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ___	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
No hydrology

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

Sampling Point: UP2001

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Gossypium hirsutum	60	✓	FACU
2. Setaria pumila	20	✓	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	80% = Total Cover		

50% of total cover: 40 20% of total cover: 16

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	= Total Cover		

50% of total cover: ______ 20% of total cover: ______

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 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	60	x 4 =	240
UPL species	0	x 5 =	0
Column Totals:	80 (A)		300 (B)

Prevalence Index = B/A = 3.8

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ______

Remarks: (If observed, list morphological adaptations below).
Upland point - no hydrophytic vegetation present

SOIL

Sampling Point: UP2001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	7.5YR 4/3	97	5YR 5/8	3			Silty clay loam	Conglomerate disturbed due to active agriculture
3 - 20	7.5YR 4/4	100					Clay loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: N/A

Depth (inches): 0

Hydric Soil Present? Yes ______ No ______

Remarks:
Upland point - no hydric soil

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-12

Applicant/Owner: NextEra State: Alabama Sampling Point: UP2002

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): P Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BaB NWI classification: ______

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland? Yes ___ No ___
Hydric Soil Present?	Yes ___ No ___	
Wetland Hydrology Present?	Yes ___ No ___	

Remarks:
Upland sample point for wetland W2002

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___ No ___	Depth (inches): ___	
Water Table Present?	Yes ___ No ___	Depth (inches): ___	
Saturation Present? (includes capillary fringe)	Yes ___ No ___	Depth (inches): ___	**Wetland Hydrology Present? Yes ___ No ___**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
No hydrology present

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: UP2002

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
50% of total cover:		20% of total cover:	

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
50% of total cover:		20% of total cover:	

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	60	✓	FAC
2. Cortaderia jubata	20	✓	UPL
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	80% = Total Cover		
50% of total cover: 40		20% of total cover: 16	

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
50% of total cover:		20% of total cover:	

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 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	60	x 3 =	180
FACU species	0	x 4 =	0
UPL species	20	x 5 =	100
Column Totals:	80 (A)		280 (B)

Prevalence Index = B/A = 3.5

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ____

Remarks: (If observed, list morphological adaptations below).
Upland point - no hydrophytic vegetation present. 20 percent bare ground.

SOIL

Sampling Point: UP2002

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 3	10YR 3/3	100	5YR 5/8				Silty clay loam	
3 - 20	7.5YR 4/4	100					Clay loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: N/A

Depth (inches): 0

Hydric Soil Present? Yes ______ No ______

Remarks:
Upland point - no hydric soil

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-12

Applicant/Owner: NextEra State: Alabama Sampling Point: UP2003

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 4

Subregion (LRR or MLRA): P Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BsF NWI classification: ______

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ___	Is the Sampled Area within a Wetland?	Yes ___ No ___
Hydric Soil Present?	Yes ___ No ___		
Wetland Hydrology Present?	Yes ___ No ___		

Remarks:
Upland sample point for wetland W2003

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ___	Depth (inches): ___	
Water Table Present?	Yes ___	No ___	Depth (inches): ___	
Saturation Present? (includes capillary fringe)	Yes ___	No ___	Depth (inches): ___	**Wetland Hydrology Present?** Yes ___ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
No hydrology

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

Sampling Point: UP2003

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
50% of total cover:		20% of total cover:	

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Rubus pensilvanicus	20	✓	FAC
2. Rubus trivialis	10	✓	FACU
3.			
4.			
5.			
6.			
7.			
8.			
	30% = Total Cover		
50% of total cover:	15	20% of total cover:	6

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon virginicus	50	✓	FAC
2. Cortaderia jubata	30	✓	UPL
3. Dichanthelium clandestinum	15		FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	95% = Total Cover		
50% of total cover:	48	20% of total cover:	19

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
50% of total cover:		20% of total cover:	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	15	x 2 = 30
FAC species	70	x 3 = 210
FACU species	10	x 4 = 40
UPL species	30	x 5 = 150
Column Totals:	125 (A)	430 (B)

Prevalence Index = B/A = 3.4

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ______

Remarks: (If observed, list morphological adaptations below).
Upland point - no hydrophytic vegetation present

SOIL

Sampling Point: UP2003

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0 - 5	10YR 5/3	100	10YR 5/3				Silty clay loam	Conglomerate disturbed due to active agriculture
5 - 20	10YR 5/2	100					Clay loam	
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: N/A

Depth (inches): 0

Hydric Soil Present? Yes ______ No ______

Remarks:
Upland point - no hydric soil

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-12

Applicant/Owner: NextEra State: Alabama Sampling Point: UP2004

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None Slope (%): 1

Subregion (LRR or MLRA): P 135 Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: SmD NWI classification: ______

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ____ No ____ (If no, explain in Remarks.)

Are Vegetation ✓, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ 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 ____
Hydric Soil Present?	Yes ____	No ____
Wetland Hydrology Present?	Yes ____	No ____

Is the Sampled Area within a Wetland? Yes ____ No ____

Remarks:
Upland sample point associated with W2004. Vegetation mowed on existing transmission line ROW

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____	No ____	Depth (inches): ____
Water Table Present?	Yes ____	No ____	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No ____	Depth (inches): ____

Wetland Hydrology Present? Yes ____ No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland sample - No hydrology present

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

Sampling Point: UP2004

Tree Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
= Total Cover			

50% of total cover: ______ 20% of total cover: ______

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	15	✓	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
= Total Cover	15%		

50% of total cover: 8 20% of total cover: 3

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Andropogon glomeratus	20	✓	FACW
2. Arundo donax	5	✓	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
= Total Cover	25%		

50% of total cover: 13 20% of total cover: 5

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
= Total Cover			

50% of total cover: ______ 20% of total cover: ______

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	20	x 2 = 40
FAC species	20	x 3 = 60
FACU species	0	x 4 = 0
UPL species	0	x 5 = 0
Column Totals:	40 (A)	100 (B)

Prevalence Index = B/A = 2.5

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ______

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 60 percent bare ground

SOIL

Sampling Point: UP2004

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 5/3	100					Clay loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: N/A

Depth (inches): ______

Hydric Soil Present? Yes ______ No ______

Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-18

Applicant/Owner: NextEra State: Alabama Sampling Point: UP2005

Investigator(s): [redacted] Section, Township, Range: ______

Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None Slope (%): 1

Subregion (LRR or MLRA): P 135 Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: UuB NWI classification: ______

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No ______ (If no, explain in Remarks.)

Are Vegetation ______, Soil ______, or Hydrology ______ significantly disturbed? Are "Normal Circumstances" present? Yes ______ 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 ______	Is the Sampled Area within a Wetland?	Yes ______ No ______
Hydric Soil Present?	Yes ______ No ______		
Wetland Hydrology Present?	Yes ______ No ______		

Remarks:
Upland sample associated with wetland W2005.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present? Yes ______ No ______ Depth (inches): ______

Water Table Present? Yes ______ No ______ Depth (inches): ______

Saturation Present? (includes capillary fringe) Yes ______ No ______ Depth (inches): ______

Wetland Hydrology Present? Yes ______ No ______

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland sample - No hydrology present

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: UP2005

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	35	✓	FAC
2. Quercus nigra	20	✓	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	55%	= Total Cover	
50% of total cover: 28	20% of total cover: 11		

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	25	✓	FAC
2. Quercus nigra	15	✓	FAC
3. Ilex vomitoria	5		FAC
4.			
5.			
6.			
7.			
8.			
	45%	= Total Cover	
50% of total cover: 23	20% of total cover: 9		

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
		= Total Cover	
50% of total cover:	20% of total cover:		

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
		= Total Cover	
50% of total cover:	20% of total cover:		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100 (A)		300 (B)

Prevalence Index = B/A = 3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ____

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met.

SOIL

Sampling Point: UP2005

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 5/3	100					Sandy clay	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: N/A

Depth (inches): ______

Hydric Soil Present? Yes ______ No ______

Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-18

Applicant/Owner: NextEra State: Alabama Sampling Point: UP2006

Investigator(s) [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): P 135 Lat [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: UuB NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ____ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ 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 ____	Is the Sampled Area within a Wetland?	Yes ____ No ____
Hydric Soil Present?	Yes ____ No ____		
Wetland Hydrology Present?	Yes ____ No ____		

Remarks:
Upland sample associated with wetland W2006.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ____	No ____	Depth (inches): ____
Water Table Present?	Yes ____	No ____	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No ____	Depth (inches): ____

Wetland Hydrology Present? Yes ____ No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland sample - No hydrology present

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

Sampling Point: UP2006

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
		= Total Cover	
50% of total cover:		20% of total cover:	

Sapling/Shrub Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Liquidambar styraciflua	25	✓	FAC
2. Platanus occidentalis	15	✓	FACW
3. Quercus nigra	15	✓	FAC
4.			
5.			
6.			
7.			
8.			
	55%	= Total Cover	
50% of total cover: 28		20% of total cover: 11	

Herb Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1. Dichanthelium clandestinum	15	✓	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	15%	= Total Cover	
50% of total cover: 8		20% of total cover: 3	

Woody Vine Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
		= Total Cover	
50% of total cover:		20% of total cover:	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	30	x 2 = 60
FAC species	40	x 3 = 120
FACU species	0	x 4 = 0
UPL species	0	x 5 = 0
Column Totals:	70 (A)	180 (B)

Prevalence Index = B/A = 2.6

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☑ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ______ No ______

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

SOIL

Sampling Point: UP2006

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 5/3	100					Sandy loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: N/A

Depth (inches): ______

Hydric Soil Present? Yes ______ No ______

Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-18

Applicant/Owner: NextEra State: Alabama Sampling Point: UP2007

Investigator(s): [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): P 135 Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: UuB NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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.

	Yes	No
Hydrophytic Vegetation Present?		✓
Hydric Soil Present?		✓
Wetland Hydrology Present?		✓

Is the Sampled Area within a Wetland? Yes ___ No ✓

Remarks:
Upland sample associated with wetland W2007.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

	Yes	No	Depth (inches)
Surface Water Present?		✓	
Water Table Present?		✓	
Saturation Present? (includes capillary fringe)		✓	

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland sample - No hydrology present

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

Sampling Point: UP2007

Tree Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
= Total Cover			

50% of total cover: ____ 20% of total cover: ____

Sapling/Shrub Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Quercus nigra	15	✓	FAC
2. Liquidambar styraciflua	10	✓	FAC
3.			
4.			
5.			
6.			
7.			
8.			
= Total Cover	25%		

50% of total cover: 13 20% of total cover: 5

Herb Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1. Trifolium pratense	20	✓	FACU
2. Dichanthelium clandestinum	15	✓	FACW
3. Imperata cylindrica	10	✓	UPL
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
= Total Cover	45%		

50% of total cover: 23 20% of total cover: 9

Woody Vine Stratum (Plot size: 30 ft r)

	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
= Total Cover			

50% of total cover: ____ 20% of total cover: ____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 60 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:
OBL species	0	x 1 = 0
FACW species	15	x 2 = 30
FAC species	25	x 3 = 75
FACU species	20	x 4 = 80
UPL species	10	x 5 = 50
Column Totals:	70 (A)	235 (B)

Prevalence Index = B/A = 3.4

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

SOIL

Sampling Point: UP2007

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0 - 20	10YR 5/3	100					Sandy loam	
-								
-								
-								
-								
-								
-								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: 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)**
- ☐ 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)**
- ☐ 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 Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: N/A

Depth (inches): ______

Hydric Soil Present? Yes ____ No ✓

Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: 1461 City/County: Jackson/Washington Sampling Date: 2019-11-18

Applicant/Owner: NextEra State: Alabama Sampling Point: UP2008

Investigator(s): [redacted] Section, Township, Range:

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): P 135 Lat: [redacted] Long: [redacted] Datum: WGS 84

Soil Map Unit Name: BaB NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ___ (If no, explain in Remarks.)

Are Vegetation ___, Soil ___, or Hydrology ___ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ 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 ✓	Is the Sampled Area within a Wetland?	Yes ___ No ✓
Hydric Soil Present?	Yes ___	No ✓		
Wetland Hydrology Present?	Yes ___	No ✓		

Remarks:
Upland sample associated with wetland W2007

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Vis ble on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes ___	No ✓	Depth (inches): ___
Water Table Present?	Yes ___	No ✓	Depth (inches): ___
Saturation Present? (includes capillary fringe)	Yes ___	No ✓	Depth (inches): ___

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Upland sample - No hydrology present