## Appendix C

Field Data Sheets

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Jackson/Washington Sampling Date: 2019-11-11


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Agricultural field edge, rutting with vegetation manipulation. |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1001


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


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


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: UPL is associated with W1002 and W1003, |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$ Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> UPL is associated with W1004 and W1005 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Indicator Species? Status |
| :---: | :---: | :---: |
| 1. Quercus alba | 25 | $\checkmark$ FACU |
| 2. Pinus taeda | 50 | $\checkmark$ 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 |  |  |
| 1. Juniperus virginiana | 5 | FACU |
| 2. Ilex opaca | 10 | $\checkmark$ FAC |
| 3. Liquidambar styraciflua | 10 | $\checkmark$ 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 ) |  |  |
| 1. Arundinaria tecta | 5 | $\checkmark$ FACW |
| 2. Ilex opaca | 5 | $\checkmark$ 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 |  |  |
| 1. |  |  |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |
|  | - | $=$ Total Cover |
| 50\% of total cover: | - 20\% of | total cover: |


| Dominance Test worksheet: |  |  |
| :---: | :---: | :---: |
| Number of Dominant Species <br> That Are OBL, FACW, or FAC | 5 | (A) |
| Total Number of Dominant Species Across All Strata: | 6 | (B) |
| Percent of Dominant Species <br> That Are OBL, FACW, or FAC | 83 | (A/B) |

## Prevalence Index worksheet:


${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes | $\qquad$ | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Area mowed/greenfields planted adjacent to forested upland, slightly convex and rise in elevation |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1006

| Tree Stratum (Plot size: $\quad 30$ _) | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liquidambar styraciflua | 50 | $\checkmark$ | FAC |
| 2. Quercus nigra | 30 | $\checkmark$ | FAC |
| 3. Prunus serotina | 15 |  | FACU |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 95\% | $=$ Total Co |  |
| $50 \%$ of total cover: 48 | 20\% o | total cove | 19 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 2. Magnolia virginiana | 10 |  | FACW |
| 3. Quercus nigra | 25 | $\checkmark$ | FAC |
| 4. Ilex vomitoria | 10 |  | FAC |
| 5. Ligustrum japonicum | 10 |  | FAC |
| 6. |  |  |  |
|  |  |  |  |
| 8. |  |  |  |
|  | 80\% | $=$ Total Co |  |
| $50 \%$ of total cover: 40 | 20\% o | total cove | : 16 |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Quercus phellos | 5 | $\checkmark$ | FACW |
| 2. Ilex vomitoria | 5 | $\checkmark$ | FAC |
| 3. Andropogon ternarius | 10 | $\checkmark$ | FACU |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
|  |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
|  |  |  |  |
| 12. |  |  |  |
|  | 20\% | $=$ Total Co |  |
| 50\% of total cover: 10 | 20\% of | total cove | : 4 |
| Woody Vine Stratum (Plot size: 30 _ ) |  |  |  |
| 1. Berchemia scandens | 5 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 5\% | $=$ Total Co |  |
| $50 \%$ of total cover: 3 | _ $20 \%$ of | total cove |  |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 7 |  |
| $\left.\begin{array}{lll}\text { Total Number of Dominant } & & \\ \text { Species Across All Strata: } & 8 & \\ \text { Percent of Dominant Species } & & \\ \text { That Are OBL, FACW, or FAC: } & 88 & \text { (B) } \\ & & \end{array}\right)$ |  |  |

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 15 | $\times 2=30$ |
| FAC species 160 | $\times 3=480$ |
| FACU species 25 | $\mathrm{x} 4=100$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 200 | (A) 610 |

Prevalence Index $\quad=B / A=3.1$
Hydrophytic Vegetation Indicators:
$\square 1$-Rapid Test for Hydrophytic Vegetation
(ح) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Restrictive Layer (if observed):
Type: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes Yes Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 6
Total Number of Dominant Species Across All Strata:
Percent of Dominant Species
That Are OBL, FACW, or FAC: 75

## Prevalence Index worksheet:


${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches) $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No redox, sandy soil, some dark organic material at surface (<1 inch)

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Planted pine and suppressed fire regime |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 3
Total Number of Dominant
Species Across All Strata: $\quad 7$
Percent of Dominant Species
That Are OBL, FACW, or FAC: 43
(A/B)

## Prevalence Index worksheet:


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

## Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 _ | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 2. Pinus glabra | 10 |  | FACW |
| 3. Carya glabra | 50 | $\checkmark$ | FACU |
| 4. Carpinus caroliniana | 25 | $\checkmark$ | FAC |
| 5. Ilex opaca | 25 | $\checkmark$ | FAC |
| 6. Quercus nigra | 25 | $\checkmark$ | FAC |
| 7. |  |  |  |
| 8. |  |  |  |
|  | $\overline{160 \%}=$ Total Cover |  |  |
| 50\% of total cover: 80 | 20\% of total cover: 32 |  |  |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Magnolia macrophylla | 25 | $\checkmark$ | NI |
| 2. Corylus americana | 15 | $\checkmark$ | FACU |
| 3. Ilex opaca | 10 | $\checkmark$ | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 50\% = Total Cover |  |  |
| 50\% of total cover: 25 | 20\% of total cover: 10 |  |  |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Imperata cylindrica | 75 | $\checkmark$ | UPL |
| 2. Dichanthelium acuminatum | 25 | $\checkmark$ | FAC |
| 3. Eupatorium capillifolium | 10 |  | FACU |
| 4. Liriodendron tulipifera | 5 |  | FACU |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | $\underline{115 \%}=$ Total Cover |  |  |
| 50\% of total cover: 58 | 20\% of total cover: 23 |  |  |
| Woody Vine Stratum (Plot size: 30 ) |  |  |  |
| 1. Vitis rotundifolia | 25 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 25\% = Total Cover |  |  |
| 50\% of total cover: 13 | _ 20\% of | total cover |  |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 7 |  |
| Total Number of Dominant |  |  |
| Species Across All Strata: | 11 | (B) |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 64 (A/B) |  |  |

Prevalence Index worksheet:

| Total \% Cover of | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 10 | $\times 2=20$ |
| FAC species 160 | $\times 3=480$ |
| FACU species 80 | $\mathrm{x} 4=320$ |
| UPL species 75 | x $5=375$ |
| Column Totals: 325 | (A) 1195 |
| Prevalence Index | $=3.7$ |

Hydrophytic Vegetation Indicators:
$\square 1$-Rapid Test for Hydrophytic Vegetation
(ح) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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. $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1010

| Tree Stratum (Plot size: 30 - | Absolute \% Cover | $\begin{aligned} & \text { Dominan } \\ & \text { Species } \end{aligned}$ | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 50 | $\checkmark$ | FAC |
| 2. Quercus nigra | 25 |  | FAC |
| 3. Ostrya virginiana | 50 | $\checkmark$ | FACU |
| 4. Ilex opaca | 10 |  | FAC |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 135\% | $=$ Total Con |  |
| 50\% of total cover: 68 | 20\% of | total cove | : 27 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Ostrya virginiana | 25 | $\checkmark$ | FACU |
| 2. lex opaca | 10 | $\checkmark$ | FAC |
| 3. Magnolia macrophylla | 10 | $\checkmark$ | NI |
|  |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 45\% | $=$ Total C |  |
| $50 \%$ of total cover: 23 | 20\% of | total cove | : 9 |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Ilex vomitoria | 10 | $\checkmark$ | FAC |
| 2. Imperata cylindrica | 5 | $\checkmark$ | UPL |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
|  |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
|  |  |  |  |
| 12. |  |  |  |
|  | 15\% | Total C |  |
| 50\% of total cover: 8 | 20\% of | total cove | 3 |
| Woody Vine Stratum (Plot size: $\quad 30$ ) <br> 1. Berchemia scandens | 5 |  | FAC |
| 2. Vitis rotundifolia | 25 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 30\% | Total Co |  |
| $50 \%$ of total cover: 15 | - $20 \%$ of | total cove |  |


${ }^{1}$ 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. $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland |  |  |  |  |  |

## HYDROLOGY



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

| Tree Stratum (Plot size: 30 _ | $\begin{aligned} & \text { Absolute } \\ & \% \text { Cover } \end{aligned}$ | $\begin{aligned} & \text { Dominant } \\ & \text { Species? } \end{aligned}$ | $\begin{aligned} & \text { Indicator } \\ & \text { Status } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 75 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 40 | $\checkmark$ | FAC |
| 3. Quercus nigra | 25 |  | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 140\% | Total Co |  |
| $50 \%$ of total cover: 70 | _ 20\% of | talal cover | 28 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Ulmus alata | 20 | $\checkmark$ | FACU |
| 2. Prunus serotina | 20 | $\checkmark$ | FACU |
| 3. lex vomitoria | 25 | $\checkmark$ | FAC |
| 4. Liquidambar styraciflua | 10 |  | FAC |
| 5. Vaccinium stamineum | 10 |  | FACU |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 85\% | Total Co |  |
| $50 \%$ of total cover: 43 | - $20 \%$ of | tal cover | 17 |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Imperata cylindrica | 10 | $\checkmark$ | UPL |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
|  |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | $20 \% \text { of }$ | tal cover | 2 |
| Woody Vine Stratum (Plot size: 30 ) |  |  |  |
| 1. Vitis rotundifolia | 25 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 25\% | Total |  |
| $50 \%$ of total cover: 13 | 20\% of | tal cover |  |


${ }^{1}$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
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


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No


Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland |  |  |  |  |  |

## HYDROLOGY



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

| Tree Stratum (Plot size: 30 _ ${ }^{\text {a }}$ ) | $\begin{aligned} & \text { Absolute } \\ & \text { \% Cover } \\ & \hline \end{aligned}$ | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 75 | $\checkmark$ | FAC |
| 2. Fagus grandifolia | 25 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 100\% | $=$ Total Co |  |
| 50\% of total cover: 50 | 20\% of | total cove | : 20 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Oxydendrum arboreum | 25 | $\checkmark$ | FACU |
| 2. Quercus phellos | 10 | $\checkmark$ | FACW |
| 3. lex opaca | 10 | $\checkmark$ | FAC |
| 4. Vaccinium stamineum | 10 | $\checkmark$ | FACU |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 55\% | $=$ Total Co |  |
| $50 \%$ of total cover: 28 | $20 \%$ o | total cove | 11 |
| Herb Stratum (Plot size: $\quad 30$ ) |  |  |  |
| 1. llex opaca | 25 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 25\% | $=$ Total Co |  |
| $50 \%$ of total cover: 13 | 20\% of | total cove | 5 |
| Woody Vine Stratum (Plot size: 30 ) |  |  |  |
| 1. Vitis rotundifolia | 10 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | 20\% of | total cove |  |


${ }^{1}$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
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 _ ${ }^{\text {a }}$ ) | $\begin{aligned} & \text { Absolute } \\ & \% \text { Cover } \end{aligned}$ | $\begin{aligned} & \text { Dominant } \\ & \text { Species? } \end{aligned}$ | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 75 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
|  |  |  |  |
|  | 75\% | $=$ Total Cov |  |
| $50 \%$ of total cover: 38 | 20\% o | total cover | 15 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Carpinus caroliniana | 25 | $\checkmark$ | FAC |
| 2. Platanus occidentalis | 10 |  | FACW |
| 3. Callicarpa americana | 75 | $\checkmark$ | FACU |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 110\% | = Total Cov |  |
| $50 \%$ of total cover: 55 | 20\% of | total cover | : 22 |
| Herb Stratum (Plot size: $\quad 30$ ) |  |  |  |
| 1. Acer rubrum | 5 | $\checkmark$ | FAC |
| 2. |  |  |  |
|  |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
|  |  |  |  |
| 8. |  |  |  |
|  |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 5\% | = Total Cov |  |
| 50\% of total cover: 3 | 20\% of | total cover | 1 |
| Woody Vine Stratum (Plot size: 30 ) |  |  |  |
| 1. Vitis rotundifolia | 25 | $\checkmark$ | FAC |
| 2. Toxicodendron radicans | 25 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | 20\% of | tal co |  |


${ }^{1}$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 $\qquad$

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

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland |  |  |  |  |  |

## HYDROLOGY



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


Dark Surface (S7) (LRR P, S, T, U)
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


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland |  |  |  |  |  |

## HYDROLOGY



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

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

## Prevalence Index worksheet:


${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No


Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | 。 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Clearcut areas and logging road |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1016


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


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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



## HYDROLOGY



| Tree Stratum (Plot size: 30 _ ${ }^{\text {a }}$ ) | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 20 | $\checkmark$ | FAC |
| 2. Quercus laurifolia | 20 | $\checkmark$ | FACW |
| 3. Quercus nigra | 20 | $\checkmark$ | FAC |
| 4. Magnolia virginiana | 10 |  | FACW |
| 5. Pinus elliottii | 10 |  | FACW |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 80\% | Total Co |  |
| 50\% of total cover: 40 | 20\% of | tal cove | 16 |
| Sapling/Shrub Stratum (Plot size: $\quad 30$ _ ) |  |  |  |
| 1. Ilex verticillata | 10 | $\checkmark$ | FACW |
| 2. Ilex vomitoria | 10 | $\checkmark$ | FAC |
| 3. Trifoliate orange | 5 | $\checkmark$ |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 25\% | Total Co |  |
| 50\% of total cover: 13 | 20\% of | total cove | 5 |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Andropogon virginicus | 25 | $\checkmark$ | 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 C |  |
| 50\% of total cover: 13 | 20\% of | total cove | 5 |
| Woody Vine Stratum (Plot size: 30 ) |  |  |  |
| 1. Vitis rotundifolia | 10 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | - $20 \%$ of | total cove | : |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 7 <br> Total Number of Dominant <br> Species Across All Strata: <br>  <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 50 | x $2=100$ |
| FAC species 85 | $\times 3=255$ |
| FACU species 0 | $\times 4=0$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 135 | (A) 355 |
| Prevalence Index | $=2.6$ |

Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
(ح) 2 - Dominance Test is $>50 \%$
v 3 - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Existing road bed. Upland sample for wetlands W1021 and W1022 |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
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


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



## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? |  |  | $\frac{\nu}{\nu}$ | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample for wetlands W1024 and W1025 |  |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 _ ${ }^{\text {a }}$ | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Magnolia grandiflora | 30 | $\checkmark$ | FAC |
| 2. Pinus taeda | 30 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 4. Quercus nigra | 25 | $\checkmark$ | FAC |
| 5. Juniperus virginiana | 15 |  | FACU |
| 6. Fagus grandifolia | 10 |  | FACU |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 135\% | Total Cov |  |
| 50\% of total cover: 68 | 20\% of | total cover | 27 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Callicarpa americana | 25 | $\checkmark$ | FACU |
| 2. Juniperus virginiana | 10 | $\checkmark$ | FACU |
| 3. Morella cerifera | 10 | $\checkmark$ | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 45\% | Total Cov |  |
| 50\% of total cover: 23 | 20\% of | total cover | 9 |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Ilex opaca | 5 | $\checkmark$ | 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 Cov |  |
| $50 \%$ of total cover: 3 | 20\% of | total cover |  |
| Woody Vine Stratum (Plot size: 30 |  |  |  |
| 1. Vitis rotundifolia | 25 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 25\% | Total Cov |  |
| $50 \%$ of total cover: 13 | _ 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 |  |  |
| Percent of Dominant Species |  |  |  |
| That Are OBL, FACW, or FAC: | 78 | (A/B) |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 150 | $\times 3=450$ |
| FACU species 60 | $\times 4=240$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 210 | (A) 690 |
| Prevalence Index | $=3.3$ |

## Hydrophytic Vegetation Indicators:

$\square 1$-Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1026

| Tree Stratum (Plot size: 30 _ ${ }^{\text {a }}$ ) | Absolute \% Cover | Dominan Species | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Quercus phellos | 40 | $\checkmark$ | FACW |
| 2. Pinus taeda | 25 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 65\% | Total C |  |
| $50 \%$ of total cover: 33 | 20\% of | total cove | 13 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Ilex vomitoria | 25 | $\checkmark$ | FAC |
| 2. Vaccinium arboreum | 25 | $\checkmark$ | 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 Co |  |
| $50 \%$ of total cover: 50 | 20\% of | total cove | 20 |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Yucca gloriosa | 25 | $\checkmark$ | 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 Co |  |
| $50 \%$ of total cover: 15 | _ $20 \%$ of | total cove |  |
| Woody Vine Stratum (Plot size: 30 |  |  |  |
| 1. Vitis rotundifolia | 25 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 25\% | Total Co |  |
| $50 \%$ of total cover: 13 | _ $20 \%$ of | total cove |  |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species   <br> That Are OBL, FACW, or FAC: 5  <br> Total Number of Dominant   <br> Species Across All Strata: 6 (A) <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 83 (A/B)     |  |  |

## Prevalence Index worksheet:


${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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

| Depth (inches) | Matrix |  | Redox Features |  |  |  | Texture | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Color (moist) | \% | Color (moist) | \% | Type ${ }^{1}$ | Loc |  |  |
| 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: $\mathrm{C}=$ Concentration, $\mathrm{D}=$ Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. |  |  |  |  |  |  | ${ }^{2}$ Location | g, M=Matrix |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) |  |  |  |  |  |  | Indicators | tic Hydric |
| Histosol (A1) |  |  | Polyvalue Below Surface (S8) (LRR S, T, U) |  |  |  | ) $\square 1 \mathrm{~cm}$ |  |
| Histic Epipedon (A2) |  |  | Thin Dark Surface (S9) (LRR S, T, U) |  |  |  | 2 cm | R S) |
| Black | tic (A3) |  | Loamy Mucky Mineral (F1) (LRR O) |  |  |  | $\square$ Redu | (outside |
| Hydro | Sulfide (A4) |  | Loamy Gleyed Matrix (F2) |  |  |  | Piedm | Soils (F19) |
| Stratifi | Layers (A5) |  | Depleted Matrix (F3) |  |  |  | Anom | amy Soils |
| Organ | Bodies (A6) (LRR | T, U) | Redox Dark Surface (F6) |  |  |  | (ML |  |
| 5 cm | ky Mineral (A7) | R P, T, U) | Depleted Dark Surface (F7) |  |  |  | $\square$ Red | TF2) |
| Muck | sence (A8) (LRR |  | Redox Depressions (F8) |  |  |  | Very | urface (TF |
| 1 cm | (A9) (LRR P, T) |  | Marl (F10) (LRR U) |  |  |  | Other | marks) |
| Deple | Below Dark Surf | (A11) | Depleted Ochric (F11) (MLRA 151) |  |  |  |  |  |
| Thick | k Surface (A12) |  | Iron-Manganese Masses (F12) (LRR O, P, T) |  |  |  |  | hytic vege |
| Coast | airie Redox (A16) | LRA 150A) | Umbric Surface (F13) (LRR P, T, U) |  |  |  |  | must be p |
| Sandy | ucky Mineral (S1) | RR O, S) | Delta Ochric (F17) (MLRA 151) |  |  |  |  | r problem |
| Sandy | eyed Matrix (S4) |  | Reduced Vertic (F18) (MLRA 150A, 150B) |  |  |  |  |  |
| Sandy | dox (S5) |  | Piedmont Floodplain Soils (F19) (MLRA 149A) |  |  |  |  |  |
| $\square$ Stripp | Matrix (S6) |  | Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) |  |  |  |  |  |

Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Old logging road present. Upland Sample for wetlands W1027, W1028, and W1029 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1027


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 5 |  |
| Total Number of Dominant   <br> Species Across All Strata: 8 (B) <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 63 (A/B)    |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 110 | $\mathrm{x} 3=330$ |
| FACU species 10 | $\times 4=40$ |
| UPL species 20 | $\mathrm{x} 5=100$ |
| Column Totals: 140 | (A) 470 |

Prevalence Index $\quad=B / A=3.4$
Hydrophytic Vegetation Indicators:
$\square 1$-Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 getation Present? $\qquad$


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Logged and adjacent to green field |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1030

| Tree Stratum (Plot size: 30 _ ${ }^{\text {a }}$ ) | Absolute \% Cover | Dominan Species? | Indica Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 25 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 25\% | Total |  |
| $50 \%$ of total cover: 13 | _ $20 \%$ of | total cov | 5 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Pinus taeda | 75 | $\checkmark$ | 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 C |  |
| $50 \%$ of total cover: 68 | 20\% of | total cover |  |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Dichanthelium acuminatum | 25 | $\checkmark$ | FAC |
| 2. Andropogon virginicus | 10 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 35\% | Total C |  |
| $50 \%$ of total cover: 18 | _ $20 \%$ of | total cover |  |
| Woody Vine Stratum (Plot size: 30 |  |  |  |
| 1. Smilax rotundifolia | 10 | $\checkmark$ | FAC |
| 2. Yellow jessamine | 10 | $\checkmark$ |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 20\% | Total C |  |
| $50 \%$ of total cover: 10 | - $20 \%$ of | total cove |  |

## Dominance Test worksheet: <br> Number of Dominant Species That Are OBL, FACW, or FAC: 5 <br> Total Number of Dominant Species Across All Strata: 6 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 83 <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 195 | $\times 3=585$ |
| FACU species 10 | $\times 4=40$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 205 | (A) 625 |
| Prevalence Index | $=3$ |

## Hydrophytic Vegetation Indicators

$\square 1$-Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
(V) 3 - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Roadside/shoulder/ ditched area. Upland sample for wetlands W1031, W1032, and W1033 |  |  |  |  |  |

## HYDROLOGY




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


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): Justin Wilson, Aaron Semasko, Kyle Price | Section, Township, Range: |  |
| Landform (hillslope, terrace, etc.): Terrace | Local relief (concave, convex, none): Convex |  |
| Subregion (LRR or MLRA): P 133A Lat: | (b)(7)f Long: | (b) $(7) \mathrm{f}$ ( Datum: WGS 84 |
| Soil Map Unit Name: W |  | NWI classification: $\underline{\text { PFO1A }}$ |
| Are climatic / hydrologic conditions on the site typical for this ti | ear? Yes $\boldsymbol{\checkmark}$ No | (If no, explain in Remarks.) |
| Are Vegetation ___ , Soil ___ , or Hydrology ___ sign | $y$ disturbed? Are "Norm | Circumstances" present? Yes $\boldsymbol{\checkmark}$ No |
| Are Vegetation ___ , Soil ___ , or Hydrology ___ natur | roblematic? (If needed | explain any answers in Remarks.) |

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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? | Yes $\quad \checkmark$ | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland terrace at bottom of hillslope adjacent to floodplain and perennial stream. Upland Sample for wetlands W1034 and W1035 |  |  |  |  |  |
|  |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 _) | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liriodendron tulipifera | 30 | $\checkmark$ | FACU |
| 2. Magnolia grandiflora | 25 | $\checkmark$ | FAC |
| 3. Pinus taeda | 25 | $\checkmark$ | FAC |
| 4. Quercus michauxii | 25 | $\checkmark$ | FACW |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 105\% | Total Co |  |
| 50\% of total cover: 53 | 20\% of | total cove |  |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Ostrya virginiana | 20 | $\checkmark$ | FACU |
| 2. Arundinaria tecta | 10 | $\checkmark$ | FACW |
| 3. Ilex opaca | 10 | $\checkmark$ | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 40\% | Total Co |  |
| 50\% of total cover: 20 | _ 20\% of | total cove |  |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Quercus phellos | 5 | $\checkmark$ | FACW |
| 2. Vaccinium corymbosum | 5 | $\checkmark$ | FACW |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | - $20 \%$ of | total cove |  |
| Woody Vine Stratum (Plot size: 30 ( ${ }^{\text {W }}$ ) |  |  |  |
| 1. Toxicodendron radicans | 10 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | - $20 \%$ of | total cover |  |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 8 <br> Total Number of Dominant Species Across All Strata: $\quad 10$ <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 80 <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 45 | $\times 2=90$ |
| FAC species 70 | $\times 3=210$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 165 | (A) 500 |
| Prevalence Index | = 3 |

## Hydrophytic Vegetation Indicators

$\square 1$-Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
v 3 - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes | $\begin{aligned} & \text { No } \quad \boldsymbol{\imath} \\ & \text { No } \\ & \text { No } \boldsymbol{\nu} \\ & \hline \end{aligned}$ | Is the Sampled Area within a Wetland? |  |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks:Upland sample for wetlands W1036, W1037 and W1038 |  |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 4 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: 5 <br> (B) <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 80 <br> (A/B)

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 165 | $\times 3=495$ |
| FACU species 15 | $\times 4=60$ |
| UPL species 10 | $x 5=50$ |
| Column Totals: 190 | (A) 605 |

Prevalence Index $=B / A=3.2$
Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
(ح) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
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


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



## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1039


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


[^0]
## WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

$\qquad$ City/County: Toxey/Choctaw
Sampling Date:
2019-12-20


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



## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | No $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Rainfall 1/13/2020 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 7 <br> Total Number of Dominant <br> Species Across All Strata: 9 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 78 (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 25 | $\times 2=50$ |
| FAC species 175 | $\times 3=525$ |
| FACU species 40 | $\mathrm{x} 4=160$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 240 | (A) 735 |
| Prevalence Index | $=3.1$ |

## Hydrophytic Vegetation Indicators:

$\square 1$-Rapid Test for Hydrophytic Vegetation
( 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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. $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks:Adjacent to road bed. Upland sample associated with wetlands W1044, W1045 and W1047 |  |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant   <br> Species Across All Strata: 3 (B) <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 67 (A/B)  (A) |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 90 | $\times 3=270$ |
| FACU species 35 | $\times 4=140$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 125 | (A) 410 |
| Prevalence Index | $=3.3$ |

Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
(ح) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
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


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Rainfall 1/14/2020 |  |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species |  |  |  |
| That Are OBL, FACW, or FAC: | 6 |  |  |
| Total Number of Dominant |  |  |  |
| Species Across All Strata: | 8 | (B) |  |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 75 (A/B) |  |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 210 | $\times 3=630$ |
| FACU species 50 | $\mathrm{x} 4=200$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 260 | (A) 830 |
| Prevalence Index | $=3.2$ |

## Hydrophytic Vegetation Indicators:

$\square 1$-Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? |  |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Rainfall 1/14/2020, clear cut area with few mature hardwoods remaining |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes Yes Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Clear cut area |  |  |  |  |  |

## HYDROLOGY




${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
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


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Rainfall 1/16/2020 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 9 <br> Total Number of Dominant Species Across All Strata: <br> 

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 155 | $\times 3=465$ |
| FACU species 35 | $\times 4=140$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 190 | (A) 605 |
| Prevalence Index | $=3.2$ |

## Hydrophytic Vegetation Indicators

$\square 1$-Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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. $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Pre $\qquad$
$\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
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


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Active clearcutting/recent clearcut |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No


Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks:Clear cut area. Upland sample for wetland W1053, W1054, and W1055 |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No


Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \boldsymbol{\nu}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Adjacent to livestock pasture. Upland sample for wetlands W1056 and W1060 |  |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species |  |  |  |
| That Are OBL, FACW, or FAC: | 6 |  |  |
| Total Number of Dominant |  | (B) |  |
| Species Across All Strata: | 7 |  |  |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 86 (A/B) |  |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 180 | $\times 3=540$ |
| FACU species 30 | $\mathrm{x} 4=120$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 210 | (A) 660 |

Prevalence Index $\quad=B / A=3.1$

## Hydrophytic Vegetation Indicators:

$\square 1$-Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No


Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Clear cut. Upland Sample point for Wetlands W1057, W1058, and W1059 |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
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


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Clear cut 5-8 years. Upland samp UP1061 and UP1062 | tland |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 4 |  |
| Total Number of Dominant |  |  |
| Species Across All Strata: | 6 | (B) |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 67 (A/B) |  |  |
|  |  |  |

## Prevalence Index worksheet:


${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches)
Hydric Soil Present? Yes $\qquad$ No

Remarks:
Upland hillslope

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes Yes Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Clear cut area |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
Upland

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Agricultural fields |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1068


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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches)
Hydric Soil Present? Yes $\qquad$ No


Remarks:
Agricultural fields

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Planted pine, cluttered understory |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ${ }^{\text {r }}$ | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 75 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 75\% | Total Co |  |
| 50\% of total cover: 38 | 20\% | total cover: | 15 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Callicarpa americana | 50 | $\checkmark$ | FACU |
| 2. Rubus argutus | 50 | $\checkmark$ | FAC |
| 3. Quercus nigra | 10 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 110\% | Total Co |  |
| $50 \%$ of total cover: 55 | 20\% of | total cover |  |
| Herb Stratum (Plot size: 30 ft r |  |  |  |
| 1. Asplenium platyneuron | 25 | $\checkmark$ | FACU |
| 2. Chasmanthium latifolium | 10 | $\checkmark$ | FAC |
| 3. Pinus taeda | 10 | $\checkmark$ | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 45\% | = Total Cov |  |
| 50\% of total cover: 23 | - $20 \%$ of | total cover |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
|  | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | - $20 \%$ of | Total Cover | er |


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

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 155 | $\times 3=465$ |
| FACU species 75 | $\times 4=300$ |
| UPL species 0 | $\times 5=$ |
| Column Totals: 230 | (A) 765 |
| Prevalence Index | $=3.3$ |

## Hydrophytic Vegetation Indicators

$\square 1$-Rapid Test for Hydrophytic Vegetation
(ح) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches)
Hydric Soil Present? Yes $\qquad$ No


Remarks:
Upland habitat

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> ROW mowed, ruts from tractor/equipment altering hydrologic flow, adjacent to livestock pasture |  |  |  |  |  |

## HYDROLOGY



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

| Tree Stratum (Plot size: 30 ) | Absolute \% Cover | Dominant Indicator Species? Status |
| :---: | :---: | :---: |
| 1. | 0 |  |
| 2. | 0 |  |
| 3. | 0 |  |
| 4. | 0 |  |
| 5. | 0 |  |
| 6. | 0 |  |
| 7. | 0 |  |
| 8. | 0 |  |
|  |  | $=$ Total Cover |
| 50\% of total cover: | 20\% | tal cover: |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |
| 1. Liquidambar styraciflua | 20 | $\checkmark$ 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 | otal cover: 4 |
| Herb Stratum (Plot size: 30 ) |  |  |
| 1. Andropogon virginicus | 75 | $\checkmark$ 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 |  |
| Woody Vine Stratum (Plot size: 30 |  |  |
| 1. | 0 |  |
| 2. | 0 |  |
| 3. | 0 |  |
| 4. | 0 |  |
| 5. | 0 |  |
| 50\% of total cover: | - $20 \%$ of | = Total Cover <br> 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 <br> That Are OBL, FACW, or FAC: | 100 | (A/B |

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 0 | x $2=0$ |
| FAC species 120 | $\times 3=360$ |
| FACU species 25 | x $4=100$ |
| UPL species 10 | $\times 5=50$ |
| Column Totals: 155 | (A) 510 |
| Prevalence Index | = 3.3 |

Hydrophytic Vegetation Indicators:
$\square 1$-Rapid Test for Hydrophytic Vegetation
( 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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, $3 \mathrm{in} .(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\qquad$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Planted pines (P. taeda), upland po |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes | $\begin{aligned} & \text { No } \\ & \text { No } \end{aligned}$ | $\stackrel{\nu}{V}$ | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample for wetlands W1073/W1074 |  |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 _ | Absolute \% Cover | Dominan Species? | Indica Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 50 | $\checkmark$ | FAC |
| 2. Liriodendron tulipifera | 30 | $\checkmark$ | FACU |
| 3. Quercus alba | 30 | $\checkmark$ | FACU |
| 4. Liquidambar styraciflua | 20 |  | FAC |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 130\% | Total Co |  |
| 50\% of total cover: 65 | 20\% of | total cove | 26 |
| Sapling/Shrub Stratum (Plot size: 30 ) |  |  |  |
| 1. Ostrya virginiana | 25 | $\checkmark$ | FACU |
| 2. Prunus serotina | 15 | $\checkmark$ | FACU |
| 3. Quercus nigra | 10 | $\checkmark$ | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | _ $20 \%$ of | total cove |  |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Hexastylis arifolia | 10 | $\checkmark$ | 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 Co |  |
| 50\% of total cover: 5 | _ $20 \%$ of | total cove |  |
| Woody Vine Stratum (Plot size: 30 ) |  |  |  |
| 1. Vitis rotundifolia | 25 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 25\% | Total Co |  |
| 50\% of total cover: 13 | _ $20 \%$ of | total cover |  |


| Dominance Test worksheet: |  |  |
| :---: | :---: | :---: |
| Number of Dominant Species <br> That Are OBL, FACW, or FAC | 4 |  |
| Total Number of Dominant Species Across All Strata: | 8 | (B) |
| Percent of Dominant Species <br> That Are OBL, FACW, or FAC | 50 | (A/B) |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 115 | $\times 3=345$ |
| FACU species 100 | $\times 4=400$ |
| UPL species 0 | $\times 5=$ |
| Column Totals: 215 | (A) 745 |
| Prevalence Index | $=3.5$ |

Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
$\square 2$ - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Planted loblolly with heavily cluttered understory |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1076


VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1076


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

$\square$ Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland within livestock pasture. Upland sample for wetlands W1080 and W1081. |  |  |  |  |  |

## HYDROLOGY



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 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 3. Quercus alba | 20 | $\checkmark$ | FACU |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 95\% | Total C |  |
| 50\% of total cover: 48 | 20\% of | otal cove | 19 |
| Sapling/Shrub Stratum (Plot size: 30 _ ) |  |  |  |
| 1. Ulmus alata | 20 | $\checkmark$ | FACU |
| 2. Zanthoxylum clava-herculis | 20 | $\checkmark$ | FAC |
| 3. Acer rubrum | 15 | $\checkmark$ | FAC |
| 4. Prunus serotina | 10 |  | FACU |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 65\% | Total Co |  |
| $50 \%$ of total cover: 33 | 20\% of | total cove |  |
| Herb Stratum (Plot size: 30 ) |  |  |  |
| 1. Toxicodendron radicans | 25 | $\checkmark$ | FAC |
| 2. Campsis radicans | 10 | $\checkmark$ | FAC |
| 3. Smilax rotundifolia | 10 | $\checkmark$ | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 45\% | $=$ Total Co |  |
| 50\% of total cover: 23 | 20\% of | total cove |  |
| Woody Vine Stratum (Plot size: 3 Smila 30 |  |  |  |
| 1. Smilax glauca | 10 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | _ $20 \%$ of | total cove |  |


| Dominance Test worksheet: |  |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species <br> That Are OBL, FACW, or FAC: | 8 |  |  |
| Total Number of Dominant <br> Species Across All Strata: | 10 | (B) |  |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 80 (A/B) |  |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 165 | $\times 3=495$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 215 | (A) 695 |

Prevalence Index $\quad=B / A=3.2$

## Hydrophytic Vegetation Indicators:

$\square 1$-Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

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

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


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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



## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? |  | Is the Sampled Area <br> within a Wetland? | No |
| :---: | :---: | :---: | :---: |
| Remarks: <br> Planted loblolly with cluttered understory. Upland sample for wetlands W1085, W1086, W1087, W1110, W1111 and W1112 |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland within remnant RR bed. Upland sample for wetlands W1088, W1089, W1090, W1091, and W1092 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP1088


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

Total Number of Dominant
Species Across All Strata: 5

(A/B)
Prevalence Index worksheet:


Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
$\square 2$ - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample for wetlands W1095, W1096, W1097, and W1098 |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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



## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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



## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Planted loblolly |  |  |  |  |  |

## HYDROLOGY



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

## Dominance Test worksheet: <br> Number of Dominant Species That Are OBL, FACW, or FAC: 7 <br> Total Number of Dominant <br> Species Across All Strata: 9 <br>  <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 10 | $\times 2=20$ |
| FAC species 180 | $\times 3=540$ |
| FACU species 45 | $\times 4=180$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 235 | (A) 740 |
| Prevalence Index | = 3.1 |

## Hydrophytic Vegetation Indicators:

$\square 1$ - Rapid Test for Hydrophytic Vegetation
(V) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Yes $\boldsymbol{\nu}$ No $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Remnant RR bed and unimproved AR |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 4 <br> Total Number of Dominant <br> Species Across All Strata: 6 <br>  <br> (A/B)

## Prevalence Index worksheet:



## Hydrophytic Vegetation Indicators:

$\square 1$ - Rapid Test for Hydrophytic Vegetation
(ح) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Adjacent to perennial stream |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus glabra | 40 | $\checkmark$ | FACW |
| 2. Liquidambar styraciflua | 30 | $\checkmark$ | FAC |
| 3. Quercus nigra | 30 | $\checkmark$ | FAC |
| 4. Tilia americana | 25 | $\checkmark$ | FACU |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 125\% | Total Cover |  |
| 50\% of total cover: 63 | 20\% of | total cove | 25 |
| $\underline{\text { Sapling/Shrub Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ ) |  |  |  |
| 1. Hamamelis virginiana | 50 | $\checkmark$ | FACU |
| 2. Morella cerifera | 30 | $\checkmark$ | 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 Co |  |
| 50\% of total cover: 78 | 20\% of | total cove | 31 |
| Herb Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Dichanthelium commutatum | 20 | $\checkmark$ | FAC |
| 2. Parthenocissus quinquefolia | 20 | $\checkmark$ | 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 Co |  |
| 50\% of total cover: 30 | 20\% of | total cove |  |
| Woody Vine Stratum (Plot size: 30 ft r ) 1. Smilax rotundifolia | 10 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | _ 20\% of | total cove |  |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 6 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 67 (A/B)

## Prevalence Index worksheet:


${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liriodendron tulipifera | 75 | $\checkmark$ | FACU |
| 2. Ilex opaca | 40 | $\checkmark$ | FAC |
| 3. Quercus nigra | 30 |  | FAC |
| 4. Juniperus virginiana | 25 |  | FACU |
| 5. Pinus taeda | 25 |  | FAC |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 195\% | Total Cov |  |
| 50\% of total cover: 98 | 20\% of | total cover | 39 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. llex vomitoria | 20 | $\checkmark$ | FAC |
| 2. Quercus nigra | 20 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 40\% | Total Cov |  |
| 50\% of total cover: 20 | _ 20\% of | total cover |  |

Herb Stratum (Plot size: 30 ftr )

| 1. Callicarpa americana | 20 | $\checkmark$ | FACU |
| :---: | :---: | :---: | :---: |
| 2. Chasmanthium sessiliflorum | 10 | $\checkmark$ | FAC |
| 3. Toxicodendron radicans | 10 | $\checkmark$ | FAC |
| 4. Hexastylis arifolia | 5 |  | FAC |
| 5. llex opaca | 5 |  | FAC |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 50\% | tal |  |
| 50\% of total cover: 25 |  | a | 10 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Vitis cinerea | 25 | $\checkmark$ | FAC |
| 2. Smilax rotundifolia | 10 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 35\% | otal |  |
| 50\% of total cover: 18 | - 2 | a |  |

## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 7
Total Number of Dominant
Species Across All Strata:

(A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\mathrm{x} 2=0$ |
| FAC species 200 | $\mathrm{x} 3=600$ |
| FACU species 120 | $\times 4=480$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 320 | (A) 1080 |
| Prevalence Index | $=3.4$ |

## Hydrophytic Vegetation Indicators:

$\square 1$ - Rapid Test for Hydrophytic Vegetation
(ح) 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Domina Species? | Indica Status |
| :---: | :---: | :---: | :---: |
| 1. Populus deltoides | 75 | $\checkmark$ | 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 |  |
| 50\% of total cover: 73 | 20\% of | total cov | 29 |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 2. Acer negundo | 20 | $\checkmark$ | FAC |
| 3. Ligustrum sinense | 20 | $\checkmark$ | FAC |
| 4. Quercus nigra | 10 |  | FAC |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 75\% | Total C |  |
| 50\% of total cover: 38 | 20\% of | total cover | 15 |
| Herb Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Toxicodendron radicans | 25 | $\checkmark$ | FAC |
| 2. Campsis radicans | 10 | $\checkmark$ | FAC |
| 3. Parthenocissus quinquefolia | 10 | $\checkmark$ | FACU |
| 4. Hexastylis arifolia | 5 |  | FAC |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 50\% | Total C |  |
| 50\% of total cover: 25 | 20\% of | total cover | 10 |
| Woody Vine Stratum (Plot size: 30 ft r ) 1. Smilax rotundifolia | 10 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 10\% | Total C |  |
| 50\% of total cover: 5 | - $20 \%$ of | total cover |  |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 7 <br> Total Number of Dominant <br> Species Across All Strata: 8 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 88 <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 20 | $\times 2=40$ |
| FAC species 225 | $\times 3=675$ |
| FACU species 35 | $\mathrm{x} 4=140$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 280 | (A) 855 |

Prevalence Index $\quad=B / A=3.1$

## Hydrophytic Vegetation Indicators:

$\square 1$-Rapid Test for Hydrophytic Vegetation
( 2 - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | 。 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Adjacent to unimproved access road |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

Project/Site: 1461 Lowman (II)
City/County: Gilbertown/Choctaw Sampling Date: 2020-05-21
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1137


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $0 \quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Adjacent to road |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 80 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 105\% | Total Co |  |
| 50\% of total cover: 53 | 20\% of | total cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Callicarpa americana | 25 | $\checkmark$ | FACU |
| 2. Pinus taeda | 25 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | 20\% of | total cover |  |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Arundinaria tecta | 5 | $\checkmark$ | FACW |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 5\% | Total Co |  |
| 50\% of total cover: 3 | 20\% of | total cover | 1 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Vitis cinerea | 10 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | _ $20 \%$ of | total cover | 2 |

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

Project/Site: 1461 Lowman (II)
City/County: Leroy/Washington
Sampling Date:
2020-05-22
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: $\underline{\text { UP1138UP } 1139 \cup P P_{1140}}$
Investigator(s): Justin Wilson Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (\%): $\underline{4.0}$


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Active logging and clearing |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ${ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  |  | Total Cov |  |
| 50\% of total cover: | 20\% of | total cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Callicarpa americana | 75 | $\checkmark$ | FACU |
| 2. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 3. Prunus serotina | 20 |  | FACU |
| $4 .$ |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 120\% | Total Co |  |
| $50 \%$ of total cover: 60 | 20\% of | total cover |  |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Yucca aloifolia | 10 | $\checkmark$ | UPL |
| 2. Erigeron annuus | 5 | $\checkmark$ | FACU |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 15\% | Total Co |  |
| $50 \%$ of total cover: 8 | 20\% of | total cover | 3 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Vitis cinerea | 25 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 25\% | Total Cov |  |
| 50\% of total cover: 13 | - $20 \%$ of | total cover | : 5 |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species <br> That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant <br> Species Across All Strata: | 5 | (A) |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 40 (B) |  |  |

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 0 | $\mathrm{x} 2=0$ |
| FAC species 50 | $\times 3=150$ |
| FACU species 100 | $\times 4=400$ |
| UPL species 10 | $\mathrm{x} 5=50$ |
| Column Totals: 160 | (A) 600 |
| Prevalence Index | $=3.8$ |

Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
$\square 2$ - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Remarks:

Project/Site: 1461 Lowman (II)
City/County: Leroy/Washington Sampling Date: 2020-05-23
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1141


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> No vegetation, plowed crop/agricultural field |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

Project/Site: 1461 Lowman (II)
City/County: Leroy/Washington Sampling Date: 2020-05-23
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1142


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> No vegetation, plowed crop/agricultural field |  |  |  |  |  |

## HYDROLOGY



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

## Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
No vegetation present, plowed agricultural fields

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461 Lowman (II)
City/County: Needham/Choctaw Sampling Date:

2020-05-26
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1143/UP1145

| Investigator(s): Justin Wilson |  | Section, Township, Range: |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Landform (hillslope, terrace, etc.): Upland, Flat |  | Local relief (concave, conve | ne): Un |  | Slope (\%): 0.0 |
| Subregion (LRR or MLRA): P 133A | Lat: | (b)(7)f Long: | (b) (7)f |  | Datum: WGS 84 |
| Soil Map Unit Name: OkA |  |  | NWI cla | NA |  |

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

Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$
Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland, no hydrology |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liquidambar styraciflua | 40 | $\checkmark$ | FAC |
| 2. Betula nigra | 25 | $\checkmark$ | FACW |
| 3. Pinus glabra | 25 | $\checkmark$ | FACW |
| 4. Pinus taeda | 25 | $\checkmark$ | FAC |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 115\% | Total Cover |  |
| 50\% of total cover: 58 | 20\% of | tal cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 2. Carpinus caroliniana | 10 | $\checkmark$ | FAC |
| 3. Pinus glabra | 10 | $\checkmark$ | FACW |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 45\% | Total Cov |  |
| 50\% of total cover: 23 | 20\% of | tal cover | 9 |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Quercus nigra | 10 | $\checkmark$ | FAC |
| 2. Toxicodendron radicans | 10 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 20\% | Total Co |  |
| $50 \%$ of total cover: 10 | 20\% of | total cover | 4 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Parthenocissus quinquefolia | 10 | $\checkmark$ | FACU |
| 2. Smilax rotundifolia | 10 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 20\% | Total Cov |  |
| $50 \%$ of total cover: 10 | - $20 \%$ of | total cover |  |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 10 <br> Total Number of Dominant <br> Species Across All Strata: 11 <br> Percent of Dominant Species That Are OBL, FACW, or FAC: 91 <br> (A/B)

Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\boldsymbol{\checkmark}$ No
Remarks:

Project/Site: 1461 Lowman (II)
City/County: Needham/Choctaw Sampling Date:

2020-05-26
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1144/UP1148

| Investigator(s): Justin Wilson | Section, Township, Range: |  |  |
| :---: | :---: | :---: | :---: |
| Landform (hillslope, terrace, etc.): Upland, Flat | Local relief (concave, convex, none): Undulating |  | Slope (\%): 1.0 |
| Subregion (LRR or MLRA): P 133A Lat: | (b)(7)f Long: | (b)(7)f | Datum: WGS 84 |
| Soil Map Unit Name: OkA |  | WI classification | 1 C |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? Hydric Soil Present? Wetland Hydrology Present? |  |  | Is the Sampled Area within a Wetland? |  | $\bigcirc$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland flat with undulating topography |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Quercus nigra | 75 | $\checkmark$ | FAC |
| 2. Pinus taeda | 40 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 30 |  | FAC |
| 4. Carpinus caroliniana | 25 |  | FAC |
| 5. Acer rubrum | 20 |  | FAC |
| 6. Ilex opaca | 10 |  | FAC |
| 7. Ulmus rubra | 10 |  | FAC |
| 8. |  |  |  |
|  | 210\% | Total C |  |
| 50\% of total cover: 105 | 20\% of | tal cove |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Ilex opaca | 20 | $\checkmark$ | FAC |
| 2. Quercus laurifolia | 20 | $\checkmark$ | FACW |
| 3. Ilex decidua | 10 |  | FACW |
| 4. Illicium floridanum | 10 |  | FACW |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
|  |  |  |  |
|  | 60\% | Total Co |  |
| $50 \%$ of total cover: 30 | 20\% of | tal cove |  |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Parthenocissus quinquefolia | 20 | $\checkmark$ | FACU |
| 2. Toxicodendron radicans | 20 | $\checkmark$ | FAC |
| 3. Smilax rotundifolia | 10 | $\checkmark$ | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | 20\% of | tal cove | 10 |
| Woody Vine Stratum (Plot size: $\qquad$ ) |  |  |  |
|  |  |  |  |
| $2 .$ |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | $20 \% \text { of }=$ | Total Co |  |
| 50\% of total cover: | 20\% of | tal cove |  |

## Dominance Test worksheet:

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

Total Number of Dominant
Species Across All Strata: 7
Percent of Dominant Species
That Are OBL, FACW, or FAC: 86 (A/B)

## Prevalence Index worksheet:


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

## Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


Remarks: (If observed, list morphological adaptations below).
Vegetation present on inside edge of wetland

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

Project/Site: 1461 Lowman (II)
City/County: Needham/Choctaw Sampling Date: $\qquad$
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1146/UP1147
Investigator(s): Justin Wilson Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (\%): 1.0

| Subregion (LRR or MLRA): P 133A | Lat: | (b) (7)f | Long: | (b)(7)f |
| :--- | :--- | :--- | :--- | :--- |
| Soil Map Unit Name: MdA |  | NWI classification: PFO1C |  |  |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ , Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ 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? Hydric Soil Present? Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | No $\qquad$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland no hydrology present |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r ( ${ }^{\text {r }}$ | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 50 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 75\% | Total Cov |  |
| 50\% of total cover: 38 | 20\% of | total cover: |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Callicarpa americana | 40 | $\checkmark$ | FACU |
| 2. Magnolia virginiana | 30 | $\checkmark$ | FACW |
| 3. Acer rubrum | 20 |  | FAC |
| 4. Magnolia grandiflora | 10 |  | FAC |
| 5. Prunus serotina | 10 |  | FACU |
| 6. Quercus nigra | 10 |  | FAC |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 120\% | Total Cov |  |
| 50\% of total cover: 60 | - 20\% of | total cover: |  |
| Herb Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Microstegium vimineum | 40 | $\checkmark$ | FAC |
| 2. Rubus argutus | 25 | $\checkmark$ | FAC |
| 3. Dichanthelium commutatum | 20 | $\checkmark$ | FAC |
| 4. Ligustrum sinense | 10 |  | FAC |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
| 95\% = Total Cove |  |  |  |
| 50\% of total cover: 48 | _ 20\% of | total cover: |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | - | Total Cov |  |
| 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:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\boldsymbol{\checkmark}$ No
Remarks:

Project/Site: 1461 Lowman (II)
City/County: Butler/Choctaw Sampling Date: 2020-05-30
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1149
Investigator(s): Justin Wilson Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland, Hillslope Local relief (concave, convex, none): Convex Slope (\%): 2.0


Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$
Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Adjacent to clearcut area |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r} \quad$ ) | Absolute \% Cover | Domina Specie | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liquidambar styraciflua | 50 | $\checkmark$ | FAC |
| 2. Pinus taeda | 50 | $\checkmark$ | FAC |
| 3. Liriodendron tulipifera | 30 |  | FACU |
| 4. Quercus stellata | 20 |  | UPL |
| 5. Prunus serotina | 10 |  | FACU |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 160\% | Total C |  |
| $50 \%$ of total cover: 80 | 20\% of | total cover | 32 |
| Sapling/Shrub Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Morella cerifera | 40 | $\checkmark$ | FAC |
| 2. Prunus serotina | 25 | $\checkmark$ | FACU |
| 3. Quercus rubra | 20 |  | FACU |
| 4. Carya pallida | 10 |  |  |
| 5. Ilex opaca | 10 |  | FAC |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 105\% | Total C |  |
| $50 \%$ of total cover: 53 | 20\% of | total cover | 21 |
| Herb Stratum (Plot size: 30 ft r |  |  |  |
| 1. Smilax bona-nox | 10 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 5 | $\checkmark$ | FAC |
| 3. Quercus nigra | 5 | $\checkmark$ | FAC |
| 4. Sassafras albidum | 5 | $\checkmark$ | FACU |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 25\% | Total C |  |
| 50\% of total cover: 13 |  | total cove | : 5 |
| Woody Vine Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Vitis cinerea | 10 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 10\% | Total |  |
| $50 \%$ of total cover: 5 | 20\% of | tal cov |  |

## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 7
Total Number of Dominant
Species Across All Strata: 9


## Prevalence Index worksheet:


${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Clearcut area |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute Dominant Indicator \% Cover Species? 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 |  |
| 1. Rhus copallinum | 75 U UPL |
| 2. Pinus taeda | $40 \quad \boldsymbol{F A C}$ |
| 3. |  |
| 4. |  |
| 5. |  |
| 6. |  |
| 7. |  |
| 8. |  |
|  | 115\% = Total Cover |
| 50\% of total cover: 58 | _ 20\% of total cover: 23 |
| Herb Stratum (Plot size: 30 ft r ) |  |
| 1. Andropogon virginicus | 50 FAC |
| 2. Ambrosia artemisiifolia | 10 FACU |
| 3. Eupatorium capillifolium | 10 FACU |
| 4. Smilax rotundifolia | 10 FAC |
| 5. |  |
| 6. |  |
| 7. |  |
| 8. |  |
| 9. |  |
| 10. |  |
| 11. |  |
| 12. |  |
|  | $\underline{80 \%}=$ Total Cover |
| 50\% of total cover: 40 | _ 20\% of total cover: 16 |
| Woody Vine Stratum (Plot size: 30 ft r |  |
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |
|  | $\ldots$ Total Cover |
| 50\% of total cover: | _ 20\% of total cover: |


| Dominance Test worksheet: |  |  |
| :---: | :---: | :---: |
| Number of Dominant Species |  | (A) |
| That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant | 3 | (B) |
| Percent of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 67 | (A/B) |

Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
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 (II) | City/County: Silas/Choctaw | $w$ Sampling Date: $2020-05-31$ |
| :---: | :---: | :---: |
| Applicant/Owner: |  | State: Alabama Sampling Point: UP1152/UP1154 |
| Investigator(s): Justin Wilson | Section, Township, Range: |  |
| Landform (hillslope, terrace, etc.): Upland, Hillslope | Local relief (concave, convex, none): Convex |  |
| Subregion (LRR or MLRA): P 133A Lat: | (b)(7)f Long: | (b)(7)f Datum: WGS 84 |
| Soil Map Unit Name: LnD2 |  | NWI classification: NA |
| Are climatic / hydrologic conditions on the site typical for this | $r$ ? Yes $\boldsymbol{\checkmark}$ No | (If no, explain in Remarks.) |
| Are Vegetation $\qquad$ , Soil $\qquad$ , or Hydrology $\qquad$ sign <br> Are Vegetation $\qquad$ , Soil $\qquad$ , or Hydrology $\qquad$ natu | disturbed? Are "Norm <br> oblematic? (If needed, | al Circumstances" present? Yes $\qquad$ No explain any answers in Remarks.) |

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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 75 | $\checkmark$ | FAC |
| 2. Fagus grandifolia | 30 | $\checkmark$ | FACU |
| 3. Ulmus rubra | 25 |  | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 130\% | Total Cov |  |
| 50\% of total cover: 65 | 20\% of | total cover: |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Fagus grandifolia | 25 | $\checkmark$ | FACU |
| 2. Ilex opaca | 25 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 50\% | Total Cov |  |
| 50\% of total cover: 25 | 20\% of | total cover: |  |
| Herb Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Chasmanthium latifolium | 10 | $\checkmark$ | FAC |
| 2. Dichanthelium laxiflorum | 10 | $\checkmark$ | FAC |
| 3. Hexastylis arifolia | 10 | $\checkmark$ | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 30\% | Total Cov |  |
| 50\% of total cover: 15 | 20\% of | total cover: |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
|  |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | - | Total Cov | er |
| 50\% of total cover: | - $20 \%$ of | total cover: |  |

## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 5
Total Number of Dominant
Species Across All Strata: 7
(A)

Percent of Dominant Species
That Are OBL, FACW, or FAC: 71 (A/B)
Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? |  |  | Is the Sampled Area within a Wetland? |  | No $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> All areas adjacent to upland recently logged (clearcut), erosion on hillslopes and access roads. |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

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

Total Number of Dominant
Species Across All Strata: 6

(A/B)
Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | $\checkmark$ | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland occurs on unimproved access road, crest of hill slope |  |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 75 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 40 | $\checkmark$ | FAC |
| 3. Quercus nigra | 25 |  | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 140\% | Total Cov |  |
| $50 \%$ of total cover: 70 | 20\% of | total cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Liquidambar styraciflua | 50 | $\checkmark$ | FAC |
| 2. Ostrya virginiana | 25 | $v$ | FACU |
| 3. Callicarpa americana | 10 |  | FACU |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 85\% | Total Co |  |
| $50 \%$ of total cover: 43 | 20\% of | total cover |  |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Chasmanthium sessiliflorum | 40 | $\checkmark$ | FAC |
| 2. Eupatorium capillifolium | 10 | $\checkmark$ | FACU |
| 3. - |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 50\% | Total Co |  |
| $50 \%$ of total cover: 25 | - $20 \%$ of | total cove | 10 |
| Woody Vine Stratum (Plot size: 30 ft r ) |  |  |  |
| $2 .$ |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 50\% of total cover: | $\underline{20 \% \text { of }}$ | = Total Co |  |

## Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 6

Percent of Dominant Species
That Are OBL, FACW, or FAC: 67
(A/B)
Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Remarks:

Project/Site: 1461 LOWMAN (III)
City/County: Needham/Choctaw Sampling Date: 2020-07-28
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1159

| Investigator(s): Justin Wilson | Section, Township, Range: |
| :--- | :--- |
| Landform (hillslope, terrace, etc.): Upland, Flat | Local relief (concave, conve |

$\qquad$
Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (\%): 1

| Subregion (LRR or MLRA): P 133A | Lat: | $(\mathrm{b})(7) \mathrm{f}$ | Long: | (b)(7)f |
| :--- | :--- | :--- | :--- | :--- |
| Soil Map Unit Name: IzA |  | NWI classification: PFO1A |  |  |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ${ }^{\text {r }}$ ) | Absolute $\%$ | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liriodendron tulipifera | 50 | $\checkmark$ | FACU |
| 2. Pinus taeda | 50 | $\checkmark$ | FAC |
| 3. Acer rubrum | 25 |  | FAC |
| 4. Quercus nigra | 25 |  | FAC |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 150\% | = Total Co |  |
| $50 \%$ of total cover: 75 | 20\% of | tal co | 30 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Carpinus caroliniana | 25 | $\checkmark$ | FAC |
| 2. Pinus glabra | 5 |  | FACW |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 30\% | Total C |  |
| $50 \%$ of total cover: 15 |  | total cove | 6 |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Chasmanthium latifolium | 10 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 10\% | $=$ Total C |  |
| 50\% of total cover: 5 |  | total cove |  |
| Woody Vine Stratum (Plot size: $\qquad$ 1. Vitis cinerea | 10 | $\checkmark$ | FAC |
| 1. Vitis cinerea | 10 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 10\% | Total C |  |
| 50\% of total cover: 5 | - $20 \%$ of | total cove |  |

## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 4
Total Number of Dominant
Species Across All Strata: $\underline{5}$

| Percent of Dominant Species |
| :--- |
| That Are OBL, FACW, or FAC: 80 |

(A/B)
Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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?

$\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
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


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ No <br> Yes $\qquad$ No <br> Yes $\qquad$ No | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample point for wetland W2001. Agricultural field. |  |  |  |  |

## HYDROLOGY



WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Habitat altered by planted loblolly pine |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ${ }^{\text {r }}$ ) | Absolute \% Cover | $\begin{aligned} & \text { Dominant } \\ & \text { Species? } \end{aligned}$ | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 60 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 50 | $\checkmark$ | FAC |
| 3. Carpinus caroliniana | 25 |  | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 135\% | $=$ Total Co |  |
| $50 \%$ of total cover: 68 | 20\% of | total cove | 27 |
| Sapling/Shrub Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 2. Callicarpa americana | 15 | $v$ | FACU |
| 3. llex opaca | 10 | $\checkmark$ | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 50\% | $=$ Total Co |  |
| $50 \%$ of total cover: 25 | 20\% of | total cove |  |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Chasmanthium latifolium | 25 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 25\% | Total Co |  |
| $50 \%$ of total cover: 13 <br> 30 ft r | 20\% of | total cove | 5 |
| Woody Vine Stratum (Plot size: 30 ft r <br> 1. Vitis cinerea | 20 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 20\% | Total Co |  |
| $50 \%$ of total cover: 10 | 20\% of | total cove |  |

## Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 7


## Prevalence Index worksheet:


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

## Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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?

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\stackrel{\checkmark}{ }$ Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461 Lowman (IV)
City/County: Silas/Choctaw Sampling Date: 2020-09-03
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1161
Investigator(s): Justin Wilson, Kyle Price Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): $\qquad$ Local relief (concave, convex, none): $\qquad$ Slope (\%): $\qquad$

| Subregion (LRR or MLRA): P 133A | Lat: | $(\mathrm{b})(7) \mathrm{f}$ | Long: | $(\mathrm{b})(7) \mathrm{f}$ |
| :--- | :--- | :--- | :--- | :--- |
| Soil Map Unit Name: LnD2 |  | NWI classification: NA | Datum: WGS 84 |  |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$
Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland hill slope |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r () | Absolute \% Cover | Dominant Indicator Species? Status |
| :---: | :---: | :---: |
| 1. Acer negundo | 60 | $\checkmark \quad$ FAC |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |
| 6. |  |  |
| 7. |  |  |
| 8. |  |  |
|  | 60\% | Total Cover |
| 50\% of total cover: 30 | 20\% of | total cover: 12 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |
| 1. Ligustrum sinense | 25 | $\checkmark$ FAC |
| 2. Callicarpa americana | 10 | $\checkmark$ FACU |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |
| 6. |  |  |
| 7. |  |  |
| 8. |  |  |
|  | 35\% | Total Cover |
| $50 \%$ of total cover: 18 | - $20 \%$ of | total cover: 7 |
| Herb Stratum (Plot size: 30 ft r ) |  |  |
| 1. Perilla frutescens | 90 | $\checkmark$ FACU |
| 2. Callicarpa americana | 10 | FACU |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |
| 6. |  |  |
| 7. |  |  |
| 8. |  |  |
| 9. |  |  |
| 10. |  |  |
| 11. |  |  |
| 12. |  |  |
|  | 100\% | $=$ Total Cover |
| 50\% of total cover: 50 | 20\% of | total cover: 20 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |
|  |  |  |
| 2. |  |  |
| 3. |  |  |
| 4. |  |  |
| 5. |  |  |
|  | - | Total Cover |
| 50\% of total cover: | - $20 \%$ of | total cover: |


${ }^{1}$ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Definitions of Four Vegetation Strata:
Tree - Woody plants, excluding vines, $3 \mathrm{in} .(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

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

Total Number of Dominant
Species Across All Strata: 6

(A/B)

## Prevalence Index worksheet:


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

## Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No

Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Mowed, planted green field/wildlife plot, tilled soil |  |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant   <br> Species Across All Strata: 4  <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 50 (B) <br>    |  |  |

## Prevalence Index worksheet:


${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461 Lowman (IV) City/County: St Stephens/Washington Sampling Date: 2020-09-05


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes Yes Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample point |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Nyssa sylvatica | 30 | $\checkmark$ | FAC |
| 2. Pinus taeda | 30 | $\checkmark$ | FAC |
| 3. Acer rubrum | 25 | $\checkmark$ | FAC |
| 4. Quercus nigra | 25 | $\checkmark$ | FAC |
| 5. Platanus occidentalis | 10 |  | FACW |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 120\% | Total Co |  |
| 50\% of total cover: 60 | 20\% of | tal cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Ostrya virginiana | 25 | $\checkmark$ | FACU |
| 2. Liquidambar styraciflua | 20 | $\checkmark$ | FAC |
| 3. llex opaca | 10 |  | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 55\% | Total Co |  |
| 50\% of total cover: 28 | 20\% of | tal cover |  |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Chasmanthium latifolium | 25 | $\checkmark$ | FAC |
| 2. Callicarpa americana | 20 | $\checkmark$ | FACU |
| 3. Lygodium japonicum | 10 |  | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 55\% | Total Co |  |
| 50\% of total cover: 28 | 20\% of | total cover |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Vitis cinerea | 25 | $\checkmark$ | FAC |
| 2. Smilax rotundifolia | 10 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 35\% | Total Co |  |
| 50\% of total cover: 18 | - $20 \%$ of | total cover |  |

## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 8
Total Number of Dominant
Species Across All Strata: 10

Percent of Dominant Species
That Are OBL, FACW, or FAC: 80

## Prevalence Index worksheet:


${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\qquad$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point, concave featu |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr | Absolute \% Cover | Domina Species? | $\begin{aligned} & \text { Indicator } \\ & \text { Status } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 50 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 25 | $\checkmark$ | FAC |
| 3. Magnolia tripetala | 25 | $v$ | FACU |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 100\% | Total C |  |
| $50 \%$ of total cover: 50 | 20\% of | total cove | 20 |
| Sapling/Shrub Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Callicarpa americana | 50 | $\checkmark$ | FACU |
| 2. Magnolia tripetala | 25 | $\checkmark$ | FACU |
| 3. Ilex vomitoria | 10 |  | FAC |
| 4. Morella cerifera | 10 |  | FAC |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 95\% | Total C |  |
| $50 \%$ of total cover: 48 | - $20 \%$ of | total cove | 19 |
| Herb Stratum (Plot size: 30 ftr ) ) |  |  |  |
| 1. Chasmanthium latifolium | 50 | $\checkmark$ | FAC |
| 2. Perilla frutescens | 25 | $\checkmark$ | FACU |
| 3. Dennstaedtia punctilobula | 10 |  | UPL |
| 4. |  |  |  |
| $5 .$ |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 85\% | Total C |  |
| $50 \%$ of total cover: 43 |  | total cove | : 17 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Vitis rotundifolia | 25 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 25\% | otal |  |
| $50 \%$ of total cover: 13 | 20\% of | talal cover |  |

## Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 8

(A/B)

## Prevalence Index worksheet:


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

## Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ${ }^{\text {r }}$ ) | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liquidambar styraciflua | 50 | $\checkmark$ | FAC |
| 2. Pinus taeda | 40 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 90\% | Total Co |  |
| $50 \%$ of total cover: 45 |  | total cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Juniperus virginiana | 25 | $\checkmark$ | FACU |
| 2. Magnolia grandiflora | 25 | $\checkmark$ | FAC |
| 3. Vaccinium arboreum | 25 | $\checkmark$ | FACU |
| 4. Cornus florida | 15 |  | FACU |
| 5. Hydrangea arborescens | 10 |  | UPL |
| 6. Quercus nigra | 5 |  | FAC |
|  |  |  |  |
|  |  |  |  |
|  | 105\% | Total Co |  |
| $50 \%$ of total cover: 53 | 20\% of | total cover | 21 |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Vitis rotundifolia | 10 | $\checkmark$ | FAC |
| 2. Chasmanthium latifolium | 5 | $\checkmark$ | FAC |
| 3. Hexastylis arifolia | 5 | $\checkmark$ | FAC |
| 4. Quercus alba | 5 | $\checkmark$ | FACU |
|  |  |  |  |
| 6. |  |  |  |
|  |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 25\% | Total Co |  |
| $50 \%$ of total cover: 13 | 20\% of | talal cover | 5 |
| Woody Vine Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 50\% of total cover: | - $20 \%$ of | Total Co |  |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 6 |  |
| Total Number of Dominant   <br> Species Across All Strata: 9 (B) <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 67 (A/B)    |  |  |

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\mathrm{x} 2=0$ |
| FAC species 140 | x $3=420$ |
| FACU species 70 | $\mathrm{x} 4=280$ |
| UPL species 10 | $x 5=50$ |
| Column Totals: 220 | (A) 750 |
| Prevalence Index | $=3.4$ |

Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
$\square 2$ - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

Project/Site: 1461 Lowman (IV)
City/County: Gilbertown/Choctaw Sampling Date: 2020-09-10
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1168
Investigator(s): Justin Wilson Section, Township, Range: $\qquad$


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr | Absolute \% Cover | Dominan Species | $\begin{aligned} & \text { Indicator } \\ & \text { Status } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 1. Liriodendron tulipifera | 75 | $\checkmark$ | FACU |
| 2. Liquidambar styraciflua | 30 | $\checkmark$ | FAC |
| 3. Tilia americana | 25 |  | FACU |
| 4. Prunus serotina | 10 |  | FACU |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 140\% | Total Co |  |
| $50 \%$ of total cover: 70 | - $20 \%$ o | total cove | 28 |
| Sapling/Shrub Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Ilex opaca | 40 | $\checkmark$ | FAC |
| 2. Carpinus caroliniana | 25 | $\checkmark$ | FAC |
| 3. Hamamelis virginiana | 25 | $\checkmark$ | FACU |
| 4. |  |  |  |
| $5 .$ |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
|  |  |  |  |
|  | 90\% | Total Co |  |
| $50 \%$ of total cover: 45 | - $20 \%$ of | total cove |  |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Hexastylis arifolia | 10 | $\checkmark$ | FAC |
| 2. Ilex opaca | 10 | $\checkmark$ | FAC |
| 3. Mitchella repens | 10 | $\checkmark$ | FACU |
| 4. Polystichum acrostichoides | 10 | $\checkmark$ | FACU |
| 5. Smilax bona-nox | 5 |  | FAC |
| $6 .$ |  |  |  |
|  |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 45\% | Total Co |  |
| $50 \%$ of total cover: 23 |  | total cove |  |
| Woody Vine Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Vitis cinerea | 10 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 10\% = | Total Co |  |
| 50\% of total cover: 5 | 20\% of | total cove |  |


${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461 Lowman (IV)
City/County: Toxey/Choctaw Sampling Date:

2020-09-10
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1169UP1170UP1171
Investigator(s): Justin Wilson Section, Township, Range: $\qquad$


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

Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r ) | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 75 | $\checkmark$ | FAC |
| 2. Quercus nigra | 50 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 25 |  | FAC |
| 4. Nyssa sylvatica | 20 |  | FAC |
| 5. Quercus bicolor | 10 |  | FACW |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 180\% | Total Co |  |
| 50\% of total cover: 90 | 20\% of | tal cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Carpinus caroliniana | 25 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 3. Nyssa sylvatica | 10 | $\checkmark$ | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
|  |  |  |  |
|  | 45\% | Total Co |  |
| $50 \%$ of total cover: 23 | 20\% of | tal cove | 9 |
| Herb Stratum (Plot size: 30 ft r ( ) |  |  |  |
| 1. Chasmanthium latifolium | 5 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. $-\square-\square$ |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. $-\square$ |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. $-\square-\square$ |  |  |  |
| 11.__ _ _ _ _ |  |  |  |
| 12. |  |  |  |
|  | 5\% = Total Cover |  |  |
| 50\% of total cover: 3 | 20\% of | tal cove | 1 |
| Woody Vine Stratum (Plot size: 30 ft r $\qquad$ ) |  |  |  |
| 1. Vitis cinerea | 10 | $\checkmark$ | 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: 7
(A)

Total Number of Dominant
Species Across All Strata: 7

| Percent of Dominant Species |
| :--- |
| That Are OBL, FACW, or FAC: 100 |

(A/B)
Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
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 (IV)
City/County: Toxey/Choctaw Sampling Date: 2020-09-13
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1172
Investigator(s): Justin Wilson Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (\%): 0

| Subregion (LRR or MLRA): P 133A | Lat: | $(\mathrm{b})(7) \mathrm{f}$ | Long: | $(\mathrm{b})(7) \mathrm{f}$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Soil Map Unit Name: WaB |  | NWI classification: NA | Datum: WGS 84 |  |  |

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

Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$
Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample point |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr | Absolute \% Cover | Domina Specie? | $\begin{aligned} & \text { Indicator } \\ & \text { Status } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 60 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 50 | $\checkmark$ | FAC |
| 3. Liriodendron tulipifera | 50 | $\checkmark$ | FACU |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 160\% | Total C |  |
| $50 \%$ of total cover: 80 | 20\% of | total cov | 32 |
| Sapling/Shrub Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. llex opaca | 25 | $\checkmark$ | FAC |
| 2. Oxydendrum arboreum | 20 | $\checkmark$ | FACU |
| 3. Quercus laurifolia | 20 | $\checkmark$ | FACW |
| 4. Acer rubrum | 10 |  | FAC |
| 5. llex vomitoria | 10 |  | FAC |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 85\% | Total C |  |
| $50 \%$ of total cover: 43 | _ $20 \%$ of | total cover | 17 |
| Herb Stratum (Plot size: 30 ftr ) ) |  |  |  |
| 1. Chasmanthium sessiliflorum | 25 | $\checkmark$ | FAC |
| 2. Vitis cinerea | 10 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 35\% | Total C |  |
| $50 \%$ of total cover: 18 |  | total cover | : 7 |
| Woody Vine Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Vitis cinerea | 25 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 25\% | otal |  |
| $50 \%$ of total cover: 13 | 20\% of | total cover |  |

## Dominance Test worksheet:

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

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No $\qquad$
Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461 Lowman (IV)
City/County: Silas/Choctaw Sampling Date:

2020-09-23
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1173/UP1174
Investigator(s): Justin Wilson Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland, Hillslope
$\qquad$


Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ , Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Old road bed and mowing, adjacent to planted Loblolly pine |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

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

6
Percent of Dominant Species
That Are OBL, FACW, or FAC: 67 (A/B)
Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
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 (IV)
City/County: Toxey/Choctaw Sampling Date:

2020-09-24
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1175/UP1176
Investigator(s): Justin Wilson Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): Undulating Slope (\%): 0

| Subregion (LRR or MLRA): P 133A | (b) (7) f | Long: | (b) (7) f | Datum: WGS 84 |
| :---: | :---: | :---: | :---: | :---: |
| Soil Map Unit Name: IzA |  |  | NWI classification: | PFO1/4A |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ , Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$
Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 75 | $\checkmark$ | FAC |
| 2. Quercus nigra | 40 | $\checkmark$ | FAC |
| 3. Magnolia virginiana | 10 |  | FACW |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 125\% | Total Cov |  |
| 50\% of total cover: 63 | 20\% of | total cover: |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Magnolia grandiflora | 25 | $\checkmark$ | FAC |
| 2. Carpinus caroliniana | 20 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 20 | $\checkmark$ | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 65\% | Total Cov |  |
| 50\% of total cover: 33 | 20\% of | total cover |  |
| $\underline{\text { Herb Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ ) |  |  |  |
| 1. Chasmanthium sessiliflorum | 10 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 10\% | Total Cov |  |
| 50\% of total cover: 5 | - 20\% of | total cover |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Berchemia scandens | 10 | $\checkmark$ | FAC |
| 2. Vitis cinerea | 10 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 20\% | Total Cov |  |
| 50\% of total cover: 10 | _ $20 \%$ of | total cover |  |

## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 8
(A)

Total Number of Dominant
Species Across All Strata: 8
Percent of Dominant Species
That Are OBL, FACW, or FAC: 100
(A/B)
Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches):
Hydric Soil Present? Yes No


Remarks:

Project/Site: 1461 Lowman (IV)
City/County: Needham/Choctaw Sampling Date: 2020-09-25
Applicant/Owner: $\qquad$ State: Alabama Sampling Point: UP1177
Investigator(s): Justin Wilson Section, Township, Range:
$\qquad$
Landform (hillslope, terrace, etc.): Upland, Flat Local relief (concave, convex, none): None $\qquad$ Slope (\%): 0

| Subregion (LRR or MLRA): P 133A | Lat | $(\mathrm{b})(7) f$ | Long: | $(\mathrm{b})(7) f$ |
| :--- | :--- | :--- | :--- | :--- |
| Soil Map Unit Name: MdA |  | NWI classification: NA | Datum: WGS 84 |  |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.) Are Vegetation $\qquad$ , Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed? Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ 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? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Remnant RR bed, planted, mowed, and tilled |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 25 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 20 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 45\% | Total Co |  |
| $50 \%$ of total cover: $\underline{23}$ | 20\% o | total cove | 9 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Liquidambar styraciflua | 20 | $\checkmark$ | FAC |
| 2. Acer rubrum | 10 | $v$ | FAC |
| 3. Magnolia grandiflora | 10 | $\checkmark$ | FAC |
| 4. Morella cerifera | 10 | $\checkmark$ | FAC |
| $5 .$ |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 50\% | Total Co |  |
| $50 \%$ of total cover: 25 | 20\% of | total cove |  |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Imperata cylindrica | 50 | $\checkmark$ | UPL |
| 2. Lygodium japonicum | 20 | $\checkmark$ | FAC |
| $3 .$ |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 70\% | Total Co |  |
| $50 \%$ of total cover: 35 $\qquad$ | - $20 \%$ of | tal cove | 14 |
| Woody Vine Stratum (Plot size: 30 ft r ) |  |  |  |
| $\begin{aligned} & 1 . \\ & 2 \end{aligned}$ |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 50\% of total cover: | $\underline{20 \% \text { of }}$ | Total Co | ver |


${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: NA
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
Compacted substrate below 20 inches

VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2001

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$
$\qquad$

Remarks: (If observed, list morphological adaptations below).
Upland point - no hydrophytic vegetation present

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\underline{0}$
Hydric Soil Present? Yes $\qquad$ No $\qquad$
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


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample point for wetland W2002 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2002

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.
$\qquad$
Hydrophytic Present?

Remarks: (If observed, list morphological adaptations below).
Upland point - no hydrophytic vegetation present. 20 percent bare ground.

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $0 \quad$ 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 S State: Alabama Sampling Point: UP2003
Investigator(s): Tyler Russell
Landform (hillslope, terrace, etc.): Upland Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (\%): 4

| Subregion (LRR or MLRA): $\underline{P}$ | (b)(7)f | Long: | (b)(7)f | Datum: WGS 84 |
| :---: | :---: | :---: | :---: | :---: |
| Soil Map Unit Name: BsF |  |  | NWI |  |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample point for wetland W2003 |  |  |  |  |  |

## 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 Co | r |
| 50\% of total cover: | 20\% of | total cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Rubus pensilvanicus | 20 | $\checkmark$ | FAC |
| 2. Rubus trivialis | 10 | $\checkmark$ | FACU |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 30\% | = Total Co |  |
| 50\% of total cover: 15 | _ 20\% of | total cover |  |


| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| :---: | :---: | :---: | :---: |
| 1. Andropogon virginicus | 50 | $\checkmark$ | FAC |
| 2. Cortaderia jubata | 30 | $\checkmark$ | UPL |
| 3. Dichanthelium clandestinum | 15 |  | FACW |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 95\% | tal |  |
| $50 \%$ of total cover: 48 |  | c | : 19 |
| Woody Vine Stratum (Plot size: 30 ft r ( ) |  |  |  |
|  |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 50\% of total cover: |  | tal | er |


| Dominance Test worksheet: |  |  |
| :---: | :---: | :---: |
| Number of Dominant Species 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 $0 \times 1=$ |  |  |
| FACW species $15 \times 2=30$ |  |  |
| FAC species $70 \times 3=210$ |  |  |
| FACU species $10 \times 4=40$ |  |  |
| UPL species 3 |  |  |
| Column Totals: $\underline{125}$ (A) 430 (B) |  |  |
| Prevalence Index $\quad=B / A=3.4$ |  |  |
| Hydrophytic Vegetation Indicators: |  |  |
| $\square 1$ - Rapid Test for Hydrophytic Vegetation |  |  |
| 2- Dominance Test is $>50 \%$ |  |  |
| 3 - Prevalence Index is $\leq 3.0^{1}$ |  |  |
| 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

Remarks: (If observed, list morphological adaptations below).
Upland point - no hydrophytic vegetation present

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): 0
Hydric Soil Present? Yes $\qquad$ 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
Investigator(s): Tyler Russell, Tim Brust Section, Township, Rang

State: Alabama Sampling Point: UP2004
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland, Flat Section, Township, Range $\qquad$


Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.) Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed? Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes | No No No | Is the Sampled Area within a Wetland? | Yes | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point associated with W2004. Vegetation mowed on existing transmission line ROW |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2004

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.
$\qquad$
Hydrophytic Present?

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 60 percent bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches):
Hydric Soil Present? Yes $\qquad$ 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
Investigator(s): Tyler Russell, Tim Brust Section, Township, Ra
State: Alabama Sampling Point: UP2005

Landform (hillslope, terrace, etc.): Upland, Flat Section, Township, Range $\qquad$


Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.) Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed? Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2005. |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2005

| Dominance Test worksheet: |  |  |
| :---: | :---: | :---: |
| Number of Dominant Species <br> That Are OBL, FACW, or FAC | 4 |  |
| 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:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? |$\quad$ Yes _____ No Present? $\qquad$

Remarks: (If observed, list morphological adaptations below). hydrophytic vegetation present - no other indicators met.

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches):
Hydric Soil Present? Yes $\qquad$ 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
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range
State: Alabama Sampling Point: UP2006 Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex $\qquad$ Slope (\%): 2


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

Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed? Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ 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? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2006. |  |  |  |  |  |

## HYDROLOGY




${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? |$\quad$ Yes ___ No Pr $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches):
Hydric Soil Present? Yes $\qquad$ 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
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range: State: Alabama Sampling Point: UP2007

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

| Subregion (LRR or MLRA): P 135 |
| :--- |
| Soil Map Unit Name: UuB |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2007. |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2007

${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range:

State: Alabama Sampling Point: UP2008

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

| Subregion (LRR or MLRA): P 135 | Lat: | (b)(7)f | Long: | (b) (7)f | Datum: WGS 84 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Soil Map Unit Name: BaB |  |  |  | NWI cla |  |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2007 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2008

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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:

2020-11-18
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range:

State: Alabama Sampling Point: UP2009

Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex $\qquad$ Slope (\%): $\underline{2}$

| Subregion (LRR or MLRA): P 135 | Lat: | (b)(7)f | Long: |
| :--- | :--- | :--- | :--- |
| Soil Map Unit Name: UuB |  | (b)(7)f | Datum: WGS 84 |

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2009. |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2009

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetlands W2010 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Ilex opaca | 30 | $\checkmark$ | FAC |
| 2. Quercus alba | 15 | $\checkmark$ | FACU |
| 3. Pinus taeda | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | 20\% of | total cover | 10 |
| Sapling/Shrub Stratum (Plot size: $15 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Juniperus virginiana | 15 | $\checkmark$ | FACU |
| 2. Ilex opaca | 5 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 20\% | Total Co |  |
| $50 \%$ of total cover: 10 | _ 20\% of | tal cover |  |

Herb Stratum (Plot size: $5 \mathrm{ft} r$ )

| 1. | 0 |
| :---: | :---: |
| 2. | 0 |
| 3. | 0 |
| 4. | 0 |
| 5. | 0 |
| 6. | 0 |
| 7. | 0 |
| 8. | 0 |
| 9. | 0 |
| 10. | 0 |
| 11. | 0 |
| 12. | 0 |



## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 2 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: 4 <br>  <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 40 | $\times 3=120$ |
| FACU species 30 | $\times 4=120$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 70 | (A) 240 |

Prevalence Index $\quad=B / A=3.4$
Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
$\square 3$ - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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. $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
Hydric soil not present


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2011 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicato Status |
| :---: | :---: | :---: | :---: |
| 1. Ilex opaca | 30 | $\checkmark$ | FAC |
| 2. Quercus alba | 15 | $\checkmark$ | FACU |
| 3. Pinus taeda | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Cov |  |
| 50\% of total cover: 25 | 20\% of | total cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Juniperus virginiana | 15 | $\checkmark$ | FACU |
| 2. Ilex opaca | 5 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 20\% | Total Co |  |
| $50 \%$ of total cover: 10 | 20\% of | total cover |  |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
|  | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  |  | Total Cov |  |
| $50 \%$ of total cover: <br> $30 \mathrm{ft} r$ | - $20 \%$ of | total cover |  |
| Woody Vine Stratum (Plot size: $\qquad$ <br> 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | - | Total Co |  |
| 50\% of total cover: | - $20 \%$ of | total cover | , |


| Dominance Test worksheet: |  |  |
| :---: | :---: | :---: |
| Number of Dominant Species <br> That Are OBL, FACW, or FAC | 2 |  |
| Total Number of Dominant Species Across All Strata: | 4 | (B) |
| Percent of Dominant Species <br> That Are OBL, FACW, or FAC | 50 | (A/B) |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | x $2=0$ |
| FAC species 40 | $\times 3=120$ |
| FACU species 30 | $\times 4=120$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 70 | (A) 240 |

Prevalence Index $\quad=B / A=3.4$
Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
$\square 2$ - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: $\qquad$
Depth (inches) $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
Hydric soil not present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2012 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2012


## Dominance Test worksheet:

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

Total Number of Dominant
Species Across All Strata:

(A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 40 | $\times 3=120$ |
| FACU species 30 | $\times 4=120$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 70 | (A) 240 |

Prevalence Index $\quad=B / A=3.4$
Hydrophytic Vegetation Indicators:
$\square 1$ - Rapid Test for Hydrophytic Vegetation
$\square 2$ - Dominance Test is $>50 \%$
$\square 3$ - Prevalence Index is $\leq 3.0^{1}$
$\square$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

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

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
Hydric soil not present

Project/Site: 1461
City/County: Jackson/Washington Sampling Date: 2019-11-18
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range State: Alabama Sampling Point: UP2013 Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (\%): 2


Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2013 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  |  | $=$ Total Co |  |
| 50\% of total cover: | 20\% of | total cove |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Rubus trivialis | 15 | $\checkmark$ | FACU |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 15\% | Total Co |  |
| $50 \%$ of total cover: 8 | 20\% of | total cove | 3 |
| $\underline{\text { Herb Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ () |  |  |  |
| 1. Rubus trivialis | 60 | $\checkmark$ | FACU |
| 2. Andropogon virginicus | 20 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
|  |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 80\% | Total Co |  |
| $50 \%$ of total cover: 40 | 20\% of | total cove |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Vitis palmata | 10 | $\checkmark$ | FACW |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | _ $20 \%$ of | total cove |  |


${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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: 2019-11-22
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland
$\qquad$ Section, Township, Range:

State: Alabama Sampling Point: UP2014/UP2015


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \boldsymbol{\nu}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2014 and W2015 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  |  | = Total Co |  |
| 50\% of total cover: | 20\% of | total cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Quercus falcata | 25 | $\checkmark$ | FACU |
| 2. Rubus trivialis | 15 | $\checkmark$ | FACU |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 40\% | Total Co |  |
| $50 \%$ of total cover: 20 | _ 20\% of | total cover: | 8 |
| Herb Stratum (Plot size: 30 ft r |  |  |  |
| 1. Rubus trivialis | 20 | $\checkmark$ | FACU |
| 2. Andropogon virginicus | 15 | $\checkmark$ | FAC |
| 3. Imperata cylindrica | 15 | $\checkmark$ | UPL |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | 20\% of | total cover | 10 |
| Woody Vine Stratum (Plot size: $\qquad$ ) | 10 |  | FACW |
| 1. Vitis palmata | 10 | $\checkmark$ | FACW |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | - $20 \%$ of | total cover | : 2 |


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

## Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.


Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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: 2019-11-22
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range
State: Alabama Sampling Point: UP2016 Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex $\qquad$ Slope (\%): 2


Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2016. |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2016

${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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: 2019-11-20
Applicant/Owner: NextEra State: Alabama Sampling Point: UP2017


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2017. |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Domina Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 10 | $\checkmark$ | FAC |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 10\% | Total |  |
| 50\% of total cover: 5 | 20\% of | total co | 2 |
| $\underline{\text { Sapling/Shrub Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ |  |  |  |
| 1. Quercus falcata | 25 | $\checkmark$ | FACU |
| 2. Rubus trivialis | 20 | $\checkmark$ | FACU |
| 3. Ilex opaca | 10 |  | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 55\% | Total C |  |
| $50 \%$ of total cover: 28 | 20\% of | total cov |  |
| Herb Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Rubus trivialis | 20 | $\checkmark$ | FACU |
| 2. Andropogon virginicus | 10 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 30\% | Total C |  |
| 50\% of total cover: 15 | 20\% of | total cov | 6 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. Vitis palmata | 10 | $\checkmark$ | FACW |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
|  | 10\% | Total C |  |
| $50 \%$ of total cover: 5 | _ $20 \%$ of | total cov | 2 |


${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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: 2019-11-20
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range: State: Alabama Sampling Point: UP2018

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


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

Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2018 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2018

${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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: 2019-11-22
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland $\qquad$ Section, Township, Range:

State: Alabama Sampling Point: UP2019

Landform (hillslope, terrace, etc.): Uplan Local relief (concave, convex, none): Convex $\qquad$ Slope (\%): 2
Datum: WGS 84
Soil Map Unit Name: PsF
Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)

Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2019. |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2019

${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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:
2019-11-22
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range:

State: Alabama Sampling Point: UP2020/UP2021


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? |  |  | $v$ | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2020 and W2021. |  |  |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant   <br> Species Across All Strata: 5  <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 40 (A/B) |  |  |

## Prevalence Index worksheet:


${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
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: 2019-11-22
Applicant/Owner: NextEra State: Alabama Sampling Point: UP2022


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2022. Recent mowing/clearing. Vegetation and soil disturbance. |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2022

${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches) $\qquad$ Hydric Soil Present? Yes $\qquad$ No


Remarks:
No hydric soil present. Disturbed soils

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Saint Stephens/Washington Sampling Date: $\underline{\text { 2019-12-11 }}$
Applicant/Owner: NextEra State: Alabama Sampling Point: UP2023/UP2024


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | $\begin{aligned} & \text { Yes } \\ & \text { Yes } \\ & \text { Yes } \end{aligned}$ |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2023 and W2024 |  |  |  |  |  |

## HYDROLOGY




${ }^{1}$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? |$\quad$ Yes _____ No Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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

| Depth (inches) | Matrix |  | Redox Features |  |  |  | Texture | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Color (moist) | \% | Color (moist) | \% | Type ${ }^{1}$ | Loc |  |  |
| 0-10 | 10YR 3/3 | 100 |  |  |  |  | Sandy loam |  |
| 10-20 | 7.5YR 3/4 | 100 |  |  |  |  | Sandy loam |  |
| - |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |
| ${ }^{1}$ Type: $\mathrm{C}=$ Concentration, $\mathrm{D}=$ 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.) |  |  |  |  |  |  | Indicators for Problematic Hydric Soils ${ }^{\mathbf{3}}$ : |  |
| $\square$ Histos | A1) |  | Polyvalue Below Surface (S8) (LRR S, T, U) |  |  |  | 1 cm Muck (A9) (LRR O) |  |
| Histic | ipedon (A2) |  | Thin Dark | face | LRR S | T, U) | 2 cm Muck (A10) (LRR S) |  |
| Black | tic (A3) |  | Loamy Mu | Min | 1) (LR |  | Reduced Vertic (F18) (outside MLRA 150A,B) |  |
| Hydrog | Sulfide (A4) |  | Loamy Gl | M |  |  | Piedmont Floodplain Soils (F19) (LRR P, S, T) |  |
| Stratifi | Layers (A5) |  | Depleted | ix |  |  | Anomalous Bright Loamy Soils (F20) |  |
| Organ | Bodies (A6) (LRR | T, U) | Redox Da | urfa |  |  | (MLRA 153B) |  |
| 5 cm | cky Mineral (A7) ( | R P, T, U) | Depleted | Su | F7) |  | $\square$ Red Parent Material (TF2) |  |
| Muck | esence (A8) (LRR |  | Redox De | sio |  |  | $\square$ Very Shallow Dark Surface (TF12) |  |
| 1 cm | (A9) (LRR P, T) |  | Marl (F10) | RR |  |  | Other (Explain in Remarks) |  |
| Deplet | Below Dark Surf | (A11) | Depleted | ric | MLRA |  |  |  |
| Thick | rk Surface (A12) |  | Iron-Mang | se | (F12) | RR O | T) ${ }^{3}$ Indic | hytic vege |
| Coast | airie Redox (A16) | LRA 150A) | Umbric Su | (F) | RR P, |  |  | must be p |
| Sandy | ucky Mineral (S1) | RR O, S) | Delta Och | F17 | A 151) |  |  | r problem |
| Sandy | leyed Matrix (S4) |  | Reduced | ic (F) | LRA 15 | A, 15 |  |  |
| Sandy | edox (S5) |  | Piedmont | dpl | ils (F19) | (MLRA |  |  |
| $\square$ Stripped | Matrix (S6) |  | $\square$ Anomalou | right | y Soils | 20) (M | A 149A, 153C |  |

Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Silas/Choctaw Sampling Date:

2020-01-17
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland
$\qquad$ Section, Township, Range: State: Alabama Sampling Point: UP2025/UP2026


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2025 and W2026 |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Gilbertown/ Sampling Date:

2020-01-19
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
-



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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | $\begin{aligned} & \text { Yes } \\ & \text { Yes } \\ & \text { Yes } \end{aligned}$ |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2027 and W2073 |  |  |  |  |  |

## HYDROLOGY



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


${ }^{1}$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 $\qquad$

Remarks: (If observed, list morphological adaptations below).
Hydrophytic vegetation not present
$\qquad$
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Saint Stephens/Washington Sampling Date: 2019-12-12
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range:

State: Alabama Sampling Point: UP2028/UP2029


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2028 and W2029 |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

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

Total Number of Dominant
Species Across All Strata: 6

Percent of Dominant Species
That Are OBL, FACW, or FAC: 67 (A/B)

Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm})$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

Remarks: (If observed, list morphological adaptations below).
hydrophytic vegetation present - no other indicators met. 30 percent sandy bare ground

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461 City/County: Saint Stephens/Washington Sampling Date: 2019-12-12
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range: State: Alabama Sampling Point: UP2030

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


Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ naturally problematic? (If needed, explain any answers in Remarks.)

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



## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute Dominant Indicator \% Cover |
| :---: | :---: |
| 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 |  |
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |
| 6. |  |
| 7. |  |
| 8. |  |
|  | ___ Total Cover |
| 50\% of total cover: | _ 20\% of total cover: |
| $\underline{\text { Herb Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ () |  |
| 1. Trifolium pratense | $50 \sim \checkmark$ FACU |
| 2. Solidago canadensis | 25 FACU |
| 3. Glechoma hederacea | 15 F- FACU |
| 4. Cirsium arvense | 10 FACU |
| 5. |  |
| 6. |  |
| 7. |  |
| 8. |  |
| 9. |  |
| 10. |  |
| 11. |  |
| 12. |  |
|  | $\underline{100 \%}=$ Total Cover |
| 50\% of total cover: 50 | _ 20\% of total cover: 20 |
| 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: | 0 |  | (A) |
| Total Number of Dominant |  |  |  |
| Species Across All Strata: | 2 |  | (B) |
| Percent of Dominant Species |  | (A/B) |  |
| That Are OBL, FACW, or FAC: | 0 |  |  |

## Prevalence Index worksheet:


${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? |$\quad$ Yes _____ No Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
No hydrophytic vegetation present

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461 City/County: Saint Stephens/Washington Sampling Date: 2019-12-12
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Ra
State: Alabama Sampling Point: UP2031 Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (\%): 1


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

Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ 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? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2031 |  |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 0 |  |
| Total Number of Dominant |  |  |
| Species Across All Strata: | 2 | (B) |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 0 (A/B) |  |  |

## Prevalence Index worksheet:


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

## Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, $3 \mathrm{in} .(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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 Present? $\qquad$
$\qquad$

Remarks: (If observed, list morphological adaptations below).
No hydrophytic vegetation present

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

| Depth (inches) | Matrix |  | Redox Features |  |  |  | Texture | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Color (moist) | \% | Color (moist) | \% | Type ${ }^{1}$ | Loc |  |  |
| 0-15 | 10YR 3/3 | 100 |  |  |  |  | Sandy loam |  |
| 15-20 | 7.5YR 4/4 | 100 |  |  |  |  | Sandy loam |  |
| - |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |
| - |  |  |  |  |  |  |  |  |
| ${ }^{1}$ Type: $\mathrm{C}=$ Concentration, $\mathrm{D}=$ 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.) |  |  |  |  |  |  | Indicators for Problematic Hydric Soils ${ }^{\mathbf{3}}$ : |  |
| Histosol (A1) |  |  | $\square$ Polyvalue Below Surface (S8) (LRR S, T, U) |  |  |  | $\square 1 \mathrm{~cm}$ Muck (A9) (LRR O) |  |
| Histic | ipedon (A2) |  | $\square$ Thin Dark Surface (S9) (LRR S, T, U) |  |  |  | $\square 2 \mathrm{~cm}$ Muck (A10) (LRR S) |  |
| Black | tic (A3) |  | $\square$ Loamy Mucky Mineral (F1) (LRR O) |  |  |  | $\square$ Reduced Vertic (F18) (outside MLRA 150A,B) |  |
| Hydrog | Sulfide (A4) |  | Loamy Gleyed Matrix (F2) |  |  |  | $\square$ Piedmont Floodplain Soils (F19) (LRR P, S, T) |  |
| Stratifi | Layers (A5) |  | Depleted Matrix (F3) |  |  |  | $\square$ Anomalous Bright Loamy Soils (F20) |  |
| Organi | Bodies (A6) (LRR | T, U) | Redox Dark Surface (F6) |  |  |  | $\square$ (MLRA 153B) |  |
| 5 cm M | cky Mineral (A7) ( | R P, T, U) | Depleted Dark Surface (F7) |  |  |  | $\square$ Red Parent Material (TF2) |  |
| Muck P | esence (A8) (LRR |  | Redox Depressions (F8) |  |  |  | Very Shallow Dark Surface (TF12) |  |
| 1 cm | (A9) (LRR P, T) |  | Marl (F10) (LRR U) |  |  |  | $\square$ Other (Explain in Remarks) |  |
| Deplet | Below Dark Surf | (A11) | Depleted Ochric (F11) (MLRA 151) |  |  |  |  |  |
| Thick D | rk Surface (A12) |  | Iron-Manganese Masses (F12) (LRR O, P, T) ${ }^{3}$ Ind |  |  |  |  | phytic |
| Coast | airie Redox (A16) | LRA 150A) | Umbric Surface (F13) (LRR P, T, U) |  |  |  |  | must |
| Sandy | ucky Mineral (S1) | RR O, S) | Delta Ochric (F17) (MLRA 151) un |  |  |  |  | or probl |
| Sandy | leyed Matrix (S4) |  | Reduced Vertic (F18) (MLRA 150A, 150B) |  |  |  |  |  |
| Sandy | edox (S5) |  | Piedmont Floodplain Soils (F19) (MLRA 149A) |  |  |  |  |  |
| $\square$ Strippe | Matrix (S6) |  | Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) |  |  |  |  |  |

Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches):
Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Butler/Choctaw Sampling Date:

2019-12-13
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland
$\qquad$ Section, Township, Range: State: Alabama Sampling Point: Up2032UP2033UP1117


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

| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetlandS W2032, W2033 AND W1117 |  |  |  |  |  |
|  |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Butler/Choctaw
Sampling Date:
2019-12-13
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland
$\qquad$ Section, Township, Range: State: Alabama Sampling Point: UP2034/UP2078


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

| Hydrophytic Vegetation Present? Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2034 and W2078 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

Number of Dominant Specie
That Are OBL, FACW, or FAC: 2
Total Number of Dominant
Species Across All Strata: 6
Percent of Dominant Species
That Are OBL, FACW, or FAC: 33 (A/B)
Prevalence Index worksheet:

${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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.
Vegetation Present? $\qquad$
$\qquad$

Remarks: (If observed, list morphological adaptations below).
No hydrophytic vegetation present

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Butler/Choctaw
Sampling Date:
2019-12-14
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland Section, Township, Range: State: Alabama Sampling Point: UP2035/UP2036

Subregion (LRR or MLRA): $\underline{P}$ Local relief (concave, convex, none): Convex Slope (\%): 3

Soil Map Unit Name: SmB (b) (7)f

Long: (b) (7)f Datum: WGS 84

Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ naturally problematic? (If needed, explain any answers in Remarks.)

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



## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 35 | $\checkmark$ | FAC |
| 2. Quercus falcata | 15 | $\checkmark$ | FACU |
| 3. Liquidambar styraciflua | 10 |  | FAC |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 60\% = Total Cover |  |  |
| 50\% of total cover: 30 | 20\% of total cover: 12 |  |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Ligustrum vulgare | 15 | $\checkmark$ | UPL |
| 2. Quercus falcata | 10 | $\checkmark$ | 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 ft r ) |  |  |  |
| 1. Ilex vomitoria | 20 | $\checkmark$ | FAC |
| 2. Kalmia latifolia | 15 | $\checkmark$ | FACU |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7 |  |  |  |
| 8. |  |  |  |
| 9 |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 35\% = Total Cover |  |  |
| 50\% of total cover: 18 | 20\% of total cover: 7 |  |  |
| Woody Vine Stratum (Plot size: 30 ft r ( ${ }^{\text {W }}$ ) |  |  |  |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| $50 \%$ of total cover: ___ Total Cover |  |  |  |
|  |  |  |  |


| Dominance Test worksheet: |  |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species |  |  |  |
| That Are OBL, FACW, or FAC: | 2 |  |  |
| Total Number of Dominant |  | (A) |  |
| Species Across All Strata: | 6 |  |  |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 33  |  |  |  |

Prevalence Index worksheet:

${ }^{1}$ 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 . $(7.6 \mathrm{~cm}$ ) 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? |$\quad$ Yes ___ No $\quad$ _____ getation $\begin{array}{lll}\text { Present? } & \text { Yes ___ } \quad \text { No }\end{array}$

Remarks: (If observed, list morphological adaptations below).
No hydrophytic vegetation present

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Salis/Choctaw Sampling Date: 2019-12-16
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland
$\qquad$ Section, Township, Range:

State: Alabama Sampling Point: UP2038UP2042UP1070


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

| Hydrophytic Vegetation Present? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample associated with wetland W2038 |  |  |  |  |  |

## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Butler/Choctaw Sampling Date: 2019-12-16
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland
$\qquad$ Section, Township, Range:

State: Alabama Sampling Point: UP2039


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



## HYDROLOGY




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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Butler/Choctaw Sampling Date: 2019-12-16
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range
State: Alabama Sampling Point: UP2040 Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (\%): 3
Subregion (LRR or MLRA): $P$ Long: (b) (7)f Datum: WGS 84
Soil Map Unit Name:
BnE2

$\qquad$ NWI classification: $\qquad$
Are climatic / hydrologic conditions on the site typical for this time of year? Yes $\qquad$ No $\qquad$ (If no, explain in Remarks.)
Are Vegetation $\qquad$ Soil $\qquad$ , or Hydrology $\qquad$ significantly disturbed?

Are "Normal Circumstances" present? Yes $\qquad$ No $\qquad$ Are Vegetation $\qquad$ Soil $\qquad$ or Hydrology $\qquad$ naturally problematic? (If needed, explain any answers in Remarks.)

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



## HYDROLOGY




${ }^{1}$ 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 $3.28 \mathrm{ft}(1 \mathrm{~m})$ 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? $\qquad$

Remarks: (If observed, list morphological adaptations below).
No hydrophytic vegetation present

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


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: N/A
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No $\qquad$
Remarks:
No hydric soil present


[^0]:    Remarks:

