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, Ran
State: Alabama Sampling Point: UP2041 Section, Township, Range: $\qquad$
Landform (hillslope, terrace, etc.): Upland Local relief (concave, convex, none): Convex Slope (\%): 3


## 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 W2040 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ${ }^{\text {r }}$ | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 40 | $\checkmark$ | FAC |
| 2. Magnolia virginiana | 10 |  | FACW |
| 3. Quercus falcata | 5 |  | FACU |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 55\% | Total Cov |  |
| 50\% of total cover: 28 | 20\% of | total cover |  |
| 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 Cov |  |
| $50 \%$ of total cover: 13 | 20\% of | tal cover | 5 |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Ilex vomitoria | 15 | $\checkmark$ | FAC |
| 2. Kalmia latifolia | 10 | $\checkmark$ | FACU |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
|  | 25\% | Total Co |  |
| 50\% of total cover: 13 | $20 \%$ of | total cover | 5 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 50 |  | Total Cov | er |

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: Silas/Choctaw Sampling Date: 2019-12-18


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



## HYDROLOGY




## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 3
Total Number of Dominant
Species Across All Strata:
Percent of Dominant Species
That Are OBL, FACW, or FAC: 75

## Prevalence Index worksheet:



Prevalence Index $\quad=B / A=3.1$
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, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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? |$\quad$ 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): $\qquad$ 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: 2019-12-18
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland Section, Township, Range:

State: Alabama Sampling Point: UP2045

Subregion (LRR or MLRA): $P$ Local relief (concave, convex, none): Convex Slope (\%): 3

Soil Map Unit Name: LnD2
$\qquad$ Lat: (b)(7)f $\qquad$ (b)(7)f 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.

| 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 W2045 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 3
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, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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? |$\quad$ 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): $\qquad$ 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: 2019-12-18

| Applicant/Owner: NextEra |  | State: Alabama Sampling Point: UP2046/UP2047 |
| :---: | :---: | :---: |
| Investigator(s): Tyler Russell, Tim Brust | Section, Township, Range: |  |
| Landform (hillslope, terrace, etc.): Upland | Local relief (concave, convex, none): Convex |  |
| Subregion (LRR or MLRA): P Lat: | (b)(7)f Long: | (b)(7)f Datum: WGS 84 |
| Soil Map Unit Name: RbD2 |  | NWI classification: |
| Are climatic / hydrologic conditions on the site typical for this time | year? Yes $\boldsymbol{\checkmark}$ No | (If no, explain in Remarks.) |
| Are Vegetation ___ , Soil ___ , or Hydrology ___ sig | tly disturbed? <br> Are "Norm | al Circumstances" present? Yes $\qquad$ No |
| Are Vegetation ___ , Soil ___ , or Hydrology ___ natu | roblematic? (If needed | explain any answers in Remarks.) |

## 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: Silas/Choctaw Sampling Date: 2019-12-19
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust
Landform (hillslope, terrace, etc.): Upland
$\qquad$ Section, Township, Range: State: Alabama Sampling Point: UP2048


## 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: Upland sample associated with wetland W2048 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ${ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 30 | $\checkmark$ | FAC |
| 2. Quercus falcata | 10 | $\checkmark$ | FACU |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 40\% | Total Cov |  |
| 50\% of total cover: 20 | 20\% of | total cover | 8 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Ulmus alata | 8 | $\checkmark$ | FACU |
| 2. Ilex opaca | 5 | $\checkmark$ | FAC |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
|  | 13\% | Total Cov |  |
| 50\% of total cover: 7 | _ $20 \%$ of | total cover |  |

Herb Stratum (Plot size: 30 ftr )

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




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

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 35 | $\times 3=105$ |
| FACU species 18 | $\times 4=72$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 53 | (A) 177 |

Prevalence Index $\quad=B / A=3.3$
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 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 No


Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: 1461
City/County: Silas/Choctaw
Sampling Date:
2020-04-30
Applicant/Owner: NextEra
Investigator(s): Tyler Russell, Tim Brust Section, Township, Range: State: Alabama Sampling Point: UP2049 Local relief (concave, convex, none): Convex $\qquad$ Slope (\%): 3
Landform (hillslope, terrace, etc.): Upland
$\qquad$
$\qquad$


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> Upland sample associated with wetland W2049 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2049

| 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 |  |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 40 (B) <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 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 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 No


Remarks:
No hydric soil present


## 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 sample associated with wetlands W2050, W2051 and W2052 |  |  |  |  |  |

## HYDROLOGY




## 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 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 40 | $\times 3=120$ |
| FACU species 30 | $\mathrm{x} 4=120$ |
| 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.


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 W2053 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 35 | $\checkmark$ | FAC |
| 2. Liriodendron tulipifera | 25 | $\checkmark$ | FACU |
| 3. Quercus nigra | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 65\% | Total Co |  |
| 50\% of total cover: 33 | 20\% of | total cover | 13 |
| Sapling/Shrub Stratum (Plot size: $15 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Liriodendron tulipifera | 10 | $\checkmark$ | FACU |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 10\% | Total Cov |  |
| 50\% of total cover: 5 | - $20 \%$ of | total cover |  |

Herb Stratum (Plot size: 5 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:

Number of Dominant Species
That Are OBL, FACW, or FAC: 1
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 35 | $\times 4=140$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 75 | (A) 260 |

Prevalence Index $\quad=B / A=3.5$
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).
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


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? <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 W2054 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ${ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Ostrya virginiana | 25 | $\checkmark$ | FACU |
| 2. Carpinus caroliniana | 20 | $\checkmark$ | FAC |
| 3. Quercus alba | 10 |  | FACU |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 55\% | Total Cov |  |
| 50\% of total cover: 28 | 20\% of | tal cover | 11 |
| Sapling/Shrub Stratum (Plot size: $15 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Carpinus caroliniana | 15 | $\checkmark$ | FAC |
| 2. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 25\% | Total Cov |  |
| $50 \%$ of total cover: 13 | _ 20\% of | total cover |  |

Herb Stratum (Plot size: 5 ftr )

| 1. Ilex vomitoria | 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\% | tal |  |
| 50\% of total cover: 3 |  |  |  |

Woody Vine Stratum (Plot size: 30 ft r )


## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 3
Total Number of Dominant
Species Across All Strata: 5

(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 45 | $\mathrm{x} 4=180$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 85 | (A) 300 |
| Prevalence Index | $=3.5$ |

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).
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


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 |  | $\checkmark$ | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetlands W2055 and W2056 |  |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Carpinus caroliniana | 25 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 20 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 45\% | = Total Cov |  |
| 50\% of total cover: 23 | 20\% of | total cover | 9 |
| Sapling/Shrub Stratum (Plot size: $15 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Carpinus caroliniana | 15 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 10 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
|  | 0 |  |  |
|  | 25\% | Total Cov |  |
| $50 \%$ of total cover: 13 | 20\% of | total cover | 5 |
| Herb Stratum (Plot size: 5 ft r |  |  |  |
| 1. Arundinaria tecta | 25 | $\checkmark$ | FACW |
| 2. Fragaria virginiana | 15 | $\checkmark$ | FACU |
| 3. Ilex vomitoria | 5 |  | 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 |  |  |
|  | - | $=$ Total Cov |  |
| 50\% of total cover: | - $20 \%$ of | total cover | - |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 3 <br> Total Number of Dominant <br> Species Across All Strata: 6 <br>  <br> (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 45 | $\times 3=135$ |
| FACU species 45 | $\times 4=180$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 115 | (A) 365 |
| Prevalence Index | = 3.2 |

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).
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


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? <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 sample associated with wetland W2057, W2103, AND W2104 |  |  |  |  |  |
|  |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2057

| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Juniperus virginiana | 25 | $\checkmark$ | FACU |
| 2. Pinus taeda | 15 | $\checkmark$ | 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 | 8 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Juniperus virginiana | 10 | $\checkmark$ | FACU |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 10\% | Total Cov |  |
| 50\% of total cover: 5 | _ 20\% of | total cover | 2 |

Herb Stratum (Plot size: 30 ft r )

| 1. Trifolium pratense | 45 | $\checkmark$ | FACU |
| :---: | :---: | :---: | :---: |
| 2. Quercus alba | 10 |  | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 55\% | otal |  |
| 50\% of total cover: 28 |  | co |  |

Woody Vine Stratum (Plot size: 30 ft r )


## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 1 <br> Total Number of Dominant 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 0 | $\mathrm{x} 2=0$ |
| FAC species 15 | $\times 3=45$ |
| FACU species 90 | $\times 4=360$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 105 | (A) 405 |
| Prevalence Index | $=3.9$ |

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).
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


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 |  | $\checkmark$ | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetlands W2058 and W2059 |  |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 3 <br> (A) <br> Total Number of Dominant Species Across All Strata: <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 35 | $\times 3=105$ |
| FACU species 40 | $\times 4=160$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 75 | (A) 265 |
| 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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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 not present. 25 percent bare ground/open canopy

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


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 W2060 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2060

| Tree Stratum (Plot size: 30 ftr r $)$ | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 25 | $\checkmark$ | FAC |
| 2. Quercus falcata | 15 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 40\% | Total Cov |  |
| 50\% of total cover: 20 | 20\% of | total cover | 8 |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Ilex opaca | 15 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 5 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 20\% | Total Cov |  |
| $50 \%$ of total cover: 10 | 20\% of | total cover | 4 |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Fragaria virginiana | 15 | $\checkmark$ | FACU |
| 2. Lonicera japonica | 10 | $\checkmark$ | FACU |
| 3. Ilex vomitoria | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 30\% | Total Cov |  |
| $50 \%$ of total cover: 15 | - $20 \%$ 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\% | = Total Cov total cover | er |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant   <br> Species Across All Strata: 6 (B) <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 33 (A/B)    |  |  |

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 0 | x $2=0$ |
| FAC species 45 | $\times 3=135$ |
| FACU species 45 | $\times 4=180$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 90 | (A) 315 |

Prevalence Index $\quad=B / A=3.5$
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.
Hydrophytic Vegetation Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
Hydrophytic vegetation not present. 25 percent bare ground/open canopy

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


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 W2061 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r $)$ | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Fagus grandifolia | 10 | $\checkmark$ | FACU |
| 2. Liriodendron tulipifera | 10 | $\checkmark$ | FACU |
| 3. Magnolia virginiana | 10 | $\checkmark$ | FACW |
| 4. Pinus taeda | 10 | $\checkmark$ | FAC |
| 5. Prunus serotina | 5 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 45\% | Total Co | er |
| 50\% of total cover: $\underline{23}$ | 20\% of | total cover | 9 |
| Sapling/Shrub Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Fagus grandifolia | 10 | $\checkmark$ | FACU |
| 2. Fraxinus pennsylvanica | 5 | $\checkmark$ | FACW |
| 3. Ilex opaca | 5 | $\checkmark$ | FAC |
| 4. Ostrya virginiana | 5 | $\checkmark$ | FACU |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 25\% | Total Cov |  |
| $50 \%$ of total cover: 13 | 20\% of | total cover | 5 |
| Herb Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Fragaria virginiana | 15 | $\checkmark$ | FACU |
| 2. Lonicera japonica | 10 | $\checkmark$ | FACU |
| 3. Ilex vomitoria | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 30\% | Total Cov |  |
| $50 \%$ of total cover: 15 | 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: <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: <br> 10 <br> (B) <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 40 <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 15 | $\times 2=30$ |
| FAC species 20 | $\times 3=60$ |
| FACU species 65 | $\mathrm{x} 4=260$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 350 |

Prevalence Index $\quad=B / A=3.5$

## 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.
Hydrophytic Vegetation Present? $\qquad$ No $\boldsymbol{V}$

Remarks: (If observed, list morphological adaptations below).
Hydrophytic vegetation not present. 25 percent bare ground/open canopy

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


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 | $\begin{aligned} & \text { No } \boldsymbol{\nu} \\ & \text { No } \boldsymbol{\nu} \\ & \text { No } \boldsymbol{\nu} \end{aligned}$ | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland Sample point associated with wetlands W2062/W2063/W2064 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Ilex opaca | 10 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 3. Fagus grandifolia | 5 | $\checkmark$ | FACU |
| 4. Liriodendron tulipifera | 5 | $\checkmark$ | FACU |
| 5. Magnolia virginiana | 5 | $\checkmark$ | FACW |
| 6. Pinus taeda | 5 | $\checkmark$ | FAC |
| 7. Populus deltoides | 5 | $\checkmark$ | FAC |
| 8. | 0 |  |  |
|  | 45\% | Total Cov |  |
| 50\% of total cover: 23 | 20\% of | total cover | 9 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Ilex opaca | 5 | $\checkmark$ | FAC |
| 2. Ostrya virginiana | 5 | $\checkmark$ | FACU |
| 3. Oxydendrum arboreum | 5 | $\checkmark$ | FACU |
| 4. Populus deltoides | 5 | $\checkmark$ | FAC |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 20\% | Total Cov |  |
| $50 \%$ of total cover: 10 | 20\% of | total cover | 4 |
| Herb Stratum (Plot size: 30 ftr 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 |  |  |
|  |  | Total Cov | er |
| $50 \%$ of total cover: 30 ftr | - $20 \%$ of | total cover |  |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | 20\% | Total Cov <br> total cover: | er |

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

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 5 | $\times 2=10$ |
| FAC species 40 | $\times 3=120$ |
| FACU species 20 | $\times 4=80$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 65 | (A) 210 |

Prevalence Index $\quad=B / A=3.2$
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, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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 not present
$\qquad$
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:
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? |  | $0 \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland Sample point associated with wetlands W2065/W2066 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | 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\% of | total cover: |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |
| 1. | 0 |  |
| 2. | 0 |  |
| 3. | 0 |  |
| 4. | 0 |  |
| 5. | 0 |  |
| 6. | 0 |  |
| 7. | 0 |  |
| 8. | 0 |  |
|  |  | $=$ Total Cover |
| 50\% of total cover: | 20\% of | total cover: |
| Herb Stratum (Plot size: 30 ftr ) |  |  |
| 1. Andropogon virginicus | 60 | $\checkmark$ FAC |
| 2. Trifolium pratense | 20 | $\checkmark$ FACU |
| 3. Cirsium vulgare | 15 | FACU |
| 4. Carex stipata | 5 | OBL |
| 5. | 0 |  |
| 6. | 0 |  |
| 7. | 0 |  |
| 8. | 0 |  |
| 9. | 0 |  |
| 10. | 0 |  |
| 11. | 0 |  |
| 12. | 0 |  |
|  | 100\% | Total Cover |
| 50\% of total cover: 50 | - $20 \%$ of | total cover: 20 |
| $\underline{\text { Woody Vine Stratum (Plot size: } 30 \mathrm{ftr}}$ ( ) |  |  |
|  | 0 |  |
| 2. | 0 |  |
| 3. | 0 |  |
| 4. | 0 |  |
| 5. | 0 |  |
| 50\% of total cover: | $20 \%$ | = Total Cover total cover: |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 1 <br> Total Number of Dominant <br> Species Across All Strata: <br> 

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 5 | $\times 1=5$ |
| FACW species 0 | $\mathrm{x} 2=0$ |
| FAC species 60 | $\times 3=180$ |
| FACU species 35 | $\times 4=140$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 325 |
| Prevalence Index | $=3.3$ |

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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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 not present

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:
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? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland Sample point associated with wetland W2067, W2069 and W2069 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species That Are OBL, FACW, or FAC: 1 <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 | $\times 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 60 | $\times 3=180$ |
| FACU species 55 | $\times 4=220$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 115 | (A) 400 |
| 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).
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? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | $\frac{\nu}{\nu}$ | Is the Sampled Area within a Wetland? |  | $\cdots$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetlands W2070 and W2071 |  |  |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species    <br> That Are OBL, FACW, or FAC: 3   <br> Total Number of Dominant <br> Species Across All Strata: 7 (A)  <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 43 (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 50 | $\mathrm{x} 3=150$ |
| FACU species 50 | $\times 4=200$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 350 |
| 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.
Hydrophytic Vegetation Present? $\qquad$ No $r$

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


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? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2072 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  |  | Total Cov |  |
| 50\% of total cover: | 20\% of | total cover: |  |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Liquidambar styraciflua | 20 | $\checkmark$ | FAC |
| 2. Quercus falcata | 15 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Cov |  |
| $50 \%$ of total cover: 18 | _ 20\% of | total cover: |  |

Herb Stratum (Plot size: 30 ft r )

| 1. Andropogon virginicus | 40 | $\checkmark$ | FAC |
| :---: | :---: | :---: | :---: |
| 2. Lonicera japonica | 20 | $\checkmark$ | FACU |
| 3. Eupatorium capillifolium | 15 | $\checkmark$ | FACU |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 75\% | ta |  |
| $50 \%$ of total cover: 38 | - 20 | co | 15 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
|  | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: |  | al co |  |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant   <br> Species Across All Strata: 5 (B) <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 40 (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 60 | $\times 3=180$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 110 | (A) 380 |
| 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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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 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


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 |  | $\frac{v}{\nu}$ | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample associated with wetland W2074 and W2075. |  |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 1 <br> Total Number of Dominant <br> Species Across All Strata: <br> 

## Prevalence Index worksheet:

| Total \% Cover of | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\mathrm{x} 2=0$ |
| FAC species 40 | $\times 3=120$ |
| FACU species 15 | $\times 4=60$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 5 | (A) 180 |
| Prevalence Index | $=3.3$ |

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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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).
Hydrophytic vegetation not present. 55 percent bare ground due to logging disturbances

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


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? <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 Sample point associated with wetland W2076 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Quercus falcata | 20 | $\checkmark$ | FACU |
| 2. Quercus alba | 15 | $\checkmark$ | FACU |
| 3. Pinus taeda | 10 |  | FAC |
| 4. Fagus grandifolia | 5 |  | FACU |
| 5. Ilex opaca | 5 |  | FAC |
| 6. Quercus laurifolia | 5 |  | FACW |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 60\% | Total Cov |  |
| $50 \%$ of total cover: 30 | 20\% of | total cover |  |
| $\underline{\text { Sapling/Shrub Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ ( |  |  |  |
| 1. Ilex opaca | 10 | $\checkmark$ | FAC |
| 2. Quercus falcata | 10 | $\checkmark$ | FACU |
| 3. Fagus grandifolia | 5 |  | FACU |
| 4. Pinus taeda | 5 |  | FAC |
| 5. Quercus laurifolia | 5 |  | FACW |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Co |  |
| $50 \%$ of total cover: 18 | 20\% of | total cover | 7 |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  |  | Total Co |  |
| $50 \%$ of total cover: <br> Woody Vine Stratum (Plot size: 30 ft r | - $20 \%$ of | total cover |  |
|  | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | - | Total Co |  |
| 50\% of total cover: | - $20 \%$ of | total cover | - |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 1 <br> Total Number of Dominant <br> Species Across All Strata: <br> 4 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 25 <br> (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 30 | $\times 3=90$ |
| FACU species 55 | x $4=220$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 95 | (A) 330 |

Prevalence Index $\quad=B / A=3.5$
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 . $(7.6 \mathrm{~cm})$ 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


## 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 Sample point associated with wetlands W2077 and W2079 |  |  |  |  |  |

## HYDROLOGY




## 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:


${ }^{1}$ 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?

$$
\text { Yes__ No } \quad \boldsymbol{\nu}
$$

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 | $\begin{aligned} & \text { No } \boldsymbol{\nu} \\ & \text { No } \boldsymbol{\nu} \\ & \text { No } \boldsymbol{\nu} \end{aligned}$ | Is the Sampled Area within a Wetland? |  | No $\qquad$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland Sample point associated with wetlands W2080, W1132, and W1133 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Quercus alba | 15 | $\checkmark$ | FACU |
| 2. Quercus falcata | 15 | $\checkmark$ | FACU |
| 3. Pinus taeda | 10 |  | FAC |
| 4. Fagus grandifolia | 5 |  | FACU |
| 5. Ilex opaca | 5 |  | FAC |
| 6. Quercus laurifolia | 5 |  | FACW |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 55\% | Total Co |  |
| 50\% of total cover: 28 | 20\% of | total cover | 11 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Fagus grandifolia | 15 | $\checkmark$ | FACU |
| 2. Ilex opaca | 10 | $\checkmark$ | FAC |
| 3. Juniperus virginiana | 10 | $\checkmark$ | FACU |
| 4. Quercus falcata | 10 | $\checkmark$ | FACU |
| 5. Quercus laurifolia | 5 |  | FACW |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Cov |  |
| $50 \%$ of total cover: 25 | 20\% of | total cover |  |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  |  | Total Cov |  |
| $50 \%$ of total cover: | - $20 \%$ of | total cover |  |
| $1$ | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | 20\% of | Total Cover | r |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 1 <br> Total Number of Dominant <br> Species Across All Strata: <br>  <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.
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? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland Sample point associated with wetland W2081 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Quercus alba | 15 | $\checkmark$ | FACU |
| 2. Quercus falcata | 15 | $\checkmark$ | FACU |
| 3. Pinus taeda | 10 |  | FAC |
| 4. Fagus grandifolia | 5 |  | FACU |
| 5. Ilex opaca | 5 |  | FAC |
| 6. Quercus laurifolia | 5 |  | FACW |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 55\% | Total Co |  |
| 50\% of total cover: 28 | 20\% of | total cover | 11 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Ilex opaca | 10 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 10 | $\checkmark$ | FACU |
| 3. Quercus falcata | 10 | $\checkmark$ | FACU |
| 4. Fagus grandifolia | 5 |  | FACU |
| 5. Pinus taeda | 5 |  | FAC |
| 6. Quercus laurifolia | 5 |  | FACW |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 45\% | Total Cov |  |
| $50 \%$ of total cover: 23 | 20\% of | total cover | 9 |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  |  | Total Cov | er |
| $50 \%$ of total cover: $30 \mathrm{ft} r$ | - 20\% of | total cover |  |
| $1$ | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | 20\% of | Total Cover |  |

## Dominance Test worksheet:

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

Percent of Dominant Species
That Are OBL, FACW, or FAC: 20
(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 30 | $\times 3=90$ |
| FACU species 60 | $\times 4=240$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 350 |

Prevalence Index $\quad=B / A=3.5$
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 . $(7.6 \mathrm{~cm})$ 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? $\qquad$ No $v$

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? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland Sample point associated with wetlands W2082 and W2083 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2082/UP2083

## Dominance Test worksheet:

| Number of Dominant Species <br> That Are OBL, FACW, or FAC: | 3 |  |
| :--- | :--- | :--- |
| (A) |  |  |
| Total Number of Dominant <br> Species Across All Strata: | 6 |  |
| Percent of Dominant Species  <br> That Are OBL, FACW, or FAC: 50 | (B) |  |
|  | (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 50 | $\times 3=150$ |
| FACU species 35 | $\mathrm{x} 4=140$ |
| UPL species 10 | $\mathrm{x} 5=50$ |
| Column Totals: 95 | (A) 340 |
| Prevalence Index | $=3.6$ |

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).
Hydrophytic vegetation not present

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:
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? |  | $0 \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland Sample point associated with wetlands W2084 and W2085 |  |  |  |  |  |

## HYDROLOGY




## 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: <br>  <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 55 | $\times 3=165$ |
| FACU species 45 | $\times 4=180$ |
| UPL species 10 | $\times 5=50$ |
| Column Totals: 110 | (A) 395 |
| Prevalence Index | = 3.6 |

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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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 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.



## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominan Species | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 5 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 5\% | Total C |  |
| 50\% of total cover: 3 | 20\% o | total cove | 1 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Pinus taeda | 35 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Co |  |
| $50 \%$ of total cover: 18 | _ 20\% of | total cove |  |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Eupatorium capillifolium | 25 | $\checkmark$ | FACU |
| 2. Lonicera japonica | 20 | $\checkmark$ | FACU |
| 3. Andropogon virginicus | 10 |  | FAC |
| 4. Ilex vomitoria | 10 |  | FAC |
| 5. Rubus allegheniensis | 10 |  | UPL |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 75\% | Total Co |  |
| $50 \%$ of total cover: 38 | _ $20 \%$ of | total cove |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
|  | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | - $20 \%$ of | $=$ Total Co total cove | ver |

## 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: <br>  <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 60 | $\times 3=180$ |
| FACU species 45 | $\times 4=180$ |
| UPL species 10 | $\mathrm{x} 5=50$ |
| Column Totals: 115 | (A) 410 |
| Prevalence Index | $=3.6$ |

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

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: UP2087


## Dominance Test worksheet: <br> Number of Dominant Species That Are OBL, FACW, or FAC: 1 <br> Total Number of Dominant Species Across All Strata: <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 33

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\mathrm{x} 2=0$ |
| FAC species 25 | $\times 3=75$ |
| FACU species 65 | $\times 4=260$ |
| UPL species 10 | $\times 5=50$ |
| Column Totals: 100 | (A) 385 |
| Prevalence Index | $=3.9$ |

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).
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.



## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | 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\% of | total cover: |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |
| 1. Pinus taeda | 10 | $\checkmark$ FAC |
| 2. | 0 |  |
| 3. | 0 |  |
| 4. | 0 |  |
| 5. | 0 |  |
| 6. | 0 |  |
| 7. | 0 |  |
| 8. | 0 |  |
|  | $\underline{10 \%}=$ | Total Cover |
| 50\% of total cover: 5 | _ 20\% of | total cover: 2 |

Herb Stratum (Plot size: 30 ftr )

| 1. Eupatorium capillifolium | 30 | $\checkmark$ | FACU |
| :---: | :---: | :---: | :---: |
| 2. Andropogon virginicus | 15 | $\checkmark$ | FAC |
| 3. Trifolium pratense | 15 | $\checkmark$ | FACU |
| 4. llex vomitoria | 10 |  | FAC |
| 5. Pinus taeda | 10 |  | FAC |
| 6. Rubus allegheniensis | 10 |  | UPL |
| 7. Lonicera japonica | 5 |  | FACU |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 95\% | otal |  |
| 50\% of total cover: 48 | 2 | al co | 19 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
|  | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  |  | otal |  |
| 50\% of total cover: | - 20 | al co |  |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant   <br> Species Across All Strata: 4 (B) <br> 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 | $\times 1=0$ |
| FACW species 0 | x $2=0$ |
| FAC species 45 | $\times 3=135$ |
| FACU species 50 | x $4=200$ |
| UPL species 10 | $\mathrm{x} 5=50$ |
| Column Totals: 105 | (A) 385 |
| Prevalence Index | = 3.7 |

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? <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 point associated with wetland W2089 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Juniperus virginiana | 20 | $\checkmark$ | FACU |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 20\% | Total Co |  |
| 50\% of total cover: 10 | 20\% o | total cover | 4 |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Ilex vomitoria | 15 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 10 | $\checkmark$ | FACU |
| 3. Pinus taeda | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 30\% | Total Co |  |
| $50 \%$ of total cover: 15 | 20\% of | total cover | 6 |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Eupatorium capillifolium | 15 | $\checkmark$ | FACU |
| 2. Andropogon virginicus | 10 | $\checkmark$ | FAC |
| 3. Pinus taeda | 10 | $\checkmark$ | FAC |
| 4. Rubus allegheniensis | 10 | $\checkmark$ | UPL |
| 5. Lonicera japonica | 5 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | _ 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 Cov total cover | ver |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 3 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: 7 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 43 <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 50 | x $4=200$ |
| UPL species 10 | $\mathrm{x} 5=50$ |
| Column Totals: 100 | (A) 370 |
| Prevalence Index | = 3.7 |

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

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 within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland Sample point associated with wetland W2090 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Fagus grandifolia | 15 | $\checkmark$ | FACU |
| 2. Pinus taeda | 10 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 5 |  | FAC |
| 4. Ulmus americana | 5 |  | FAC |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Cov |  |
| 50\% of total cover: 18 | 20\% of | total cover | 7 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Liquidambar styraciflua | 15 | $\checkmark$ | FAC |
| 2. Ilex opaca | 10 | $\checkmark$ | FAC |
| 3. Pinus taeda | 5 |  | FAC |
| 4. Ulmus americana | 5 |  | FAC |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | = Total Cov |  |
| $50 \%$ of total cover: 18 | _ $20 \%$ of | total cover |  |
| Herb Stratum (Plot size: 30 ft r |  |  |  |
| 1. Eupatorium capillifolium | 15 | $\checkmark$ | FACU |
| 2. Pinus taeda | 10 | $\checkmark$ | FAC |
| 3. Andropogon virginicus | 8 | $\checkmark$ | FAC |
| 4. Rubus allegheniensis | 5 |  | UPL |
| 5. Lonicera japonica | 2 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 40\% | Total Cov |  |
| 50\% of total cover: 20 | 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 Cov <br> total cover | er |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 5 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: 7 <br>  <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 73 | $\mathrm{x} 3=219$ |
| FACU species 32 | $\mathrm{x} 4=128$ |
| UPL species 5 | $\mathrm{x} 5=25$ |
| Column Totals: 110 | (A) 372 |

Prevalence Index $\quad=B / A=3.4$
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.
Hydrophytic Vegetation Present?

$\qquad$

Remarks: (If observed, list morphological adaptations below).
Hydrophytic vegetation present. No other wetland indicator 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: $\qquad$
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
Project/Site: $\frac{1461 \text { Lowman }}{\text { NextEra }}$ City/County: Gilbertown/Choctaw Sampling Date: $\frac{\text { 2020-01-22 }}{\text { UP2091 }}$


## 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: Upland Sample point associated with wetland W2091 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ftr r ) | Absolute \% Cover | Dominan Species? | Indicato Status |
| :---: | :---: | :---: | :---: |
| 1. Prunus serotina | 10 | $\checkmark$ | FACU |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | 20\% of | total cove | 2 |
| Sapling/Shrub Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Quercus falcata | 15 | $\checkmark$ | FACU |
| 2. Pinus taeda | 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 cove | 4 |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Eupatorium capillifolium | 25 | $\checkmark$ | FACU |
| 2. Andropogon virginicus | 15 | $\checkmark$ | FAC |
| 3. Quercus falcata | 10 |  | FACU |
| 4. Rubus pensilvanicus | 10 |  | FAC |
| 5. Pinus taeda | 5 |  | FAC |
| 6. Smilax laurifolia | 5 |  | FACW |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 70\% | Total Co |  |
| 50\% of total cover: 35 | 20\% of | total cove |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | 20\% | Total Cover | er |

## 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: 5 <br>  <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 5 | $\times 2=10$ |
| FAC species 35 | $\times 3=105$ |
| FACU species 60 | $\times 4=240$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 355 |
| Prevalence Index | $=3.6$ |

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 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:
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.



## 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: 8 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 50 <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 50 | $\times 3=150$ |
| FACU species 60 | $\times 4=240$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 110 | (A) 390 |
| 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 . $(7.6 \mathrm{~cm})$ 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: $\qquad$
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
Project/Site: 1461 Lowman
City/County: Gilbertown/Choctaw
Sampling Date: 2020-01-23


## 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 point associated with wetlands W2093, W2094, W2095 and W2096 |  |  |  |  |  |

## HYDROLOGY




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:
Hydric soil not present


## 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 Sample point associated with wetlands W2097 and W2098 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 1 <br> Total Number of Dominant Species Across All Strata: <br> 3 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 33 <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 37 | $\times 3=111$ |
| FACU species 60 | x $4=240$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 97 | (A) 351 |
| Prevalence Index | = 3.6 |

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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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? $\qquad$ No $\boldsymbol{v}$

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:
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? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point associated with wetland W2099 and W2100 |  |  |  |  |  |

## HYDROLOGY




Herb Stratum (Plot size: 30 ft r

| 1. Eupatorium capillifolium | 25 | $\checkmark$ | FACU |
| :---: | :---: | :---: | :---: |
| 2. Andropogon virginicus | 15 | $\checkmark$ | FAC |
| 3. Imperata cylindrica | 10 |  | UPL |
| 4. Rubus pensilvanicus | 10 |  | FAC |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 60\% | tal |  |
| $50 \%$ of total cover: 30 |  | c |  |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
|  | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: |  | c |  |

## 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:


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).
30 percent bare ground due to road disturbance

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):
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? Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point associated with wetlands W2101 and W2102 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet:

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

Total Number of Dominant
Species Across All Strata: 4
Percent of Dominant Species
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 55 | $\times 3=165$ |
| FACU species 40 | $\mathrm{x} 4=160$ |
| UPL species 20 | $\mathrm{x} 5=100$ |
| Column Totals: 115 | (A) 425 |
| Prevalence Index | $=3.7$ |

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.)


Dark Surface (S7) (LRR P, S, T, U)
Restrictive Layer (if observed):
Type: $\qquad$
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 within a Wetland? |  | $\qquad$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2105 |  |  |  |  |  |

## 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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


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? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | $\checkmark$ | Is the Sampled Area within a Wetland? |  | $\bigcirc$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2106/ UP2107 <br> Area disturbed from previous railroad use. |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | 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\% of | total cover: |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |
| 1. Liquidambar styraciflua | 10 | $\checkmark$ FAC |
| 2. Quercus nigra | 10 | $\checkmark$ FAC |
| 3. | 0 |  |
| 4. | 0 |  |
| 5. | 0 |  |
| 6. | 0 |  |
| 7. | 0 |  |
| 8. | 0 |  |
|  | 20\% | Total Cover |
| $50 \%$ of total cover: 10 | 20\% of | total cover: 4 |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |
| 1. Allium cernuum | 15 | $\checkmark$ FACU |
| 2. Bouteloua dactyloides | 15 | $\checkmark$ FACU |
| 3. Lonicera japonica | 15 | $\checkmark$ FACU |
| 4. Lygodium japonicum | 15 | $\checkmark$ FAC |
| 5. Asplenium platyneuron | 10 | FACU |
| 6. Trifolium pratense | 10 | FACU |
| 7. | 0 |  |
| 8. | 0 |  |
| 9. | 0 |  |
| 10. | 0 |  |
| 11. | 0 |  |
| 12. | 0 |  |
|  | 80\% | Total Cover |
| $50 \%$ of total cover: 40 | _ 20\% of | total cover: 16 |
| 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 <br> total cover: |


| Dominance Test worksheet: |  |  |
| :---: | :---: | :---: |
| Number of Dominant Species That Are OBL, FACW, or FAC | 3 | (A) |
| Total Number of Dominant Species Across All Strata: | 6 | (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 0 | $\times 3=0$ |
| FACU species 0 | $\mathrm{x} 4=0$ |
| UPL species 0 | $\times 5=$ |
| Column Totals: 100 | (A) 365 |
| Prevalence Index | $=3.7$ |

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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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).
Hydrophytic vegetation not present

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:
Hydric soil not present. Multiple attempts were made to dig past 5 inches. All resulted in refusal due to fill from the railroad.

## 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? |  | $\cdots$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample points UP2108/UP2109/UP2010 Area disturbed due to previous use by railroad |  |  |  |  |  |

## HYDROLOGY




| Dominance Test worksheet: |  |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species | 3 |  |  |
| That Are OBL, FACW, or FAC: | 3 |  |  |
| Total Number of Dominant |  |  |  |
| Species Across All Strata: | 7 |  | (B) |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 43  |  |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 0 | $\times 3=0$ |
| FACU species 0 | $\mathrm{x} 4=0$ |
| UPL species 0 | $x 5=0$ |
| Column Totals: 110 | (A) 395 |

Prevalence Index $\quad=B / A=3.6$
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


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? <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 points UP2111/ U <br> Area disturbed due to previous us | UP21 <br> Iroad |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominan Species | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liriodendron tulipifera | 5 | $\checkmark$ | FACU |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 5\% | Total C |  |
| 50\% of total cover: 3 | 20\% o | total cove | 1 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Carpinus caroliniana | 10 | $\checkmark$ | FAC |
| 2. Cornus florida | 10 | $\checkmark$ | FACU |
| 3. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 4. Quercus nigra | 10 | $\checkmark$ | FAC |
| 5. Ilex opaca | 5 |  | FAC |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 45\% | Total Co |  |
| 50\% of total cover: 23 | 20\% of | total cove |  |
| Herb Stratum (Plot size: 30 ftr ( ) |  |  |  |
| 1. Homalium racemosum | 20 | $\checkmark$ | NI |
| 2. Hieracium greenii | 15 | $\checkmark$ | FACU |
| 3. Andropogon virginicus | 10 |  | FAC |
| 4. Bouteloua dactyloides | 10 |  | FACU |
| 5. Trifolium pratense | 5 |  | FACU |
| 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 |  |  |  |
|  | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | - $20 \%$ of | Total Co | er |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 3 <br> Total Number of Dominant <br> Species Across All Strata: <br> 7 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 43 <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 0 | $\times 3=0$ |
| FACU species 0 | $\mathrm{x} 4=0$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 90 | (A) 315 |

Prevalence Index $\quad=B / A=3.5$
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. $(7.6 \mathrm{~cm})$ 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


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? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample for wetlands W2115, W2116, and W2117 |  |  |  |  |  |

## HYDROLOGY




| 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 That Are OBL, FACW, or FAC: | 0 | (A/B) |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 5 | $\times 2=10$ |
| FAC species 15 | $\times 3=45$ |
| FACU species 70 | $\mathrm{x} 4=280$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 90 | (A) 335 |
| Prevalence Index | $=3.7$ |

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).
No hydrophytic vegetation 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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


Remarks:
No hydric soil present

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region
Project/Site: $\frac{1461 \text { Lowman_1 }}{\text { NextEra }}$ City/County: $\xrightarrow{\text { Needham/Choctaw }}$ Sampling Date: $\frac{\text { 2020-03-08 }}{\text { UP2118 }}$


## 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 sample for wetland W2118 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2118


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species   <br> That Are OBL, FACW, or FAC: 0  <br> Total Number of Dominant   <br> Species Across All Strata: 2 (A) <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 0    (A/B) |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 5 | $\times 2=10$ |
| FAC species 15 | $\times 3=45$ |
| FACU species 70 | $\times 4=280$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 90 | (A) 335 |
| Prevalence Index | $=3.7$ |

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).
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: $\qquad$
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


## 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 sample for wetland W2119 and W2120 |  |  |  |  |  |

## HYDROLOGY




| 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 That Are OBL, FACW, or FAC: | 0 | (A/B) |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 5 | $\times 2=10$ |
| FAC species 15 | $\times 3=45$ |
| FACU species 70 | $\mathrm{x} 4=280$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 90 | (A) 335 |
| Prevalence Index | $=3.7$ |

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).
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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ 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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? |  |  | $\checkmark$ | Is the Sampled Area within a Wetland? |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point for UP2121/UP2123/UP2124/UP2125 <br> Area disturbed from previous railroad use |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## HYDROLOGY




Remarks: (If observed, list morphological adaptations below).
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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


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? <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 UP2122 <br> Area disturbed from previous railroad use |  |  |  |  |  |
|  |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2122

| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 10 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 10\% | Total Co |  |
| 50\% of total cover: 5 | _ $20 \%$ of | total cover | 2 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Pinus taeda | 10 | $\checkmark$ | FAC |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 10\% | Total Cov |  |
| 50\% of total cover: 5 | _ 20\% of | total cover |  |

Herb Stratum (Plot size: 30ft r )

| 1. Bouteloua dactyloides | 40 | $\checkmark$ | FACU |
| :---: | :---: | :---: | :---: |
| 2. Hieracium triste | 15 |  | NI |
| 3. Imperata cylindrica | 15 |  | UPL |
| 4. Dichanthelium scabriusculum | 10 |  | OBL |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 80\% | otal |  |
| 50\% of total cover: 40 | - 20 | al |  |

Woody Vine Stratum (Plot size: 30 ft r )


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

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 10 | $\times 1=10$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 20 | $\times 3=60$ |
| FACU species 40 | $\times 4=160$ |
| UPL species 15 | $\times 5=75$ |
| Column Totals: 85 | (A) 305 |

Prevalence Index $\quad=B / A=3.6$
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).
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


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.



## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 2. Pinus taeda | 10 | $\checkmark$ | FAC |
| 3. Quercus nigra | 10 | $\checkmark$ | FAC |
| 4. Juniperus virginiana | 5 |  | FACU |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Co |  |
| 50\% of total cover: 18 | 20\% of | tal cover | 7 |
| Sapling/Shrub Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Ilex vomitoria | 15 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 5 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 20\% | Total Cov |  |
| $50 \%$ of total cover: 10 | 20\% of | tal cover | 4 |
| Herb Stratum (Plot size: 30 ftr ) |  |  |  |
| 1. Bouteloua dactyloides | 15 | $\checkmark$ | FACU |
| 2. Hieracium greenii | 10 | $\checkmark$ | FACU |
| 3. Allium cernuum | 5 |  | FACU |
| 4. Arundinaria tecta | 5 |  | FACW |
| 5. Asplenium platyneuron | 5 |  | FACU |
| 6. Juncus effusus | 5 |  | OBL |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 45\% | Total Cov |  |
| 50\% of total cover: 23 | 20\% of | total cover | 9 |
| 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: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 5 <br>  <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 71 <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 0 | $\times 3=0$ |
| FACU species 0 | $\mathrm{x} 4=0$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 325 |
| 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. $(7.6 \mathrm{~cm})$ 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

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:
Hydric soil not present
Gravel fill restricting be able to dig beyond 10 inches

## 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 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 2. Pinus taeda | 10 | $\checkmark$ | FAC |
| 3. Quercus nigra | 10 | $\checkmark$ | FAC |
| 4. Juniperus virginiana | 5 |  | FACU |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Cov |  |
| 50\% of total cover: 18 | 20\% of | total cover | 7 |
| $\underline{\text { Sapling/Shrub Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ ( |  |  |  |
| 1. Ilex vomitoria | 15 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 5 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 20\% | Total Cov |  |
| $50 \%$ of total cover: 10 | 20\% of | total cover | 4 |
| Herb Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Bouteloua dactyloides | 15 | $\checkmark$ | FACU |
| 2. Hieracium greenii | 10 | $\checkmark$ | FACU |
| 3. Allium cernuum | 5 |  | FACU |
| 4. Arundinaria tecta | 5 |  | FACW |
| 5. Asplenium platyneuron | 5 |  | FACU |
| 6. Juncus effusus | 5 |  | OBL |
| 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 |  |  |
|  | - | Total Co |  |
| 50\% of total cover: | - $20 \%$ of | total cover | - |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 5 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: $\quad 7$ <br> (B) <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 71 <br> (A/B)

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 5 | $\times 1=5$ |
| FACW species 5 | $\times 2=10$ |
| FAC species 50 | $\times 3=150$ |
| FACU species 40 | $\mathrm{x} 4=160$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 325 |
| 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.


Remarks: (If observed, list morphological adaptations below).
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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


Remarks:
Hydric soil not present
Gravel fill restricted ability to dig beyond 10 inches

## 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> Upland sample point UP2130/ UP2131/ UP2132 |  |  |  |  |  |

## 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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


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? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | No $\quad \checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2133/ UP2134/UP2135/ UP2136 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Carpinus caroliniana | 10 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 3. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 4. Pinus glabra | 10 | $\checkmark$ | FACW |
| 5. Pinus taeda | 10 | $\checkmark$ | FAC |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
|  | 0 |  |  |
|  | 50\% | Total Cov |  |
| 50\% of total cover: 25 | 20\% of | total cover | 10 |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Carpinus caroliniana | 5 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 5 | $\checkmark$ | FACU |
| 3. Liquidambar styraciflua | 5 | $\checkmark$ | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 15\% | Total Cov |  |
| 50\% of total cover: 8 | _ $20 \%$ of | total cover: |  |

Herb Stratum (Plot size: 30 ft r )

| 1. Bouteloua dactyloides | 10 | $\checkmark$ | FACU |
| :---: | :---: | :---: | :---: |
| 2. Asplenium platyneuron | 5 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 15\% | otal |  |
| 50\% of total cover: 8 | - 20 | co |  |

Woody Vine Stratum (Plot size: 30 ft r )


## Dominance Test worksheet:

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


(A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 0 | $\times 3=0$ |
| FACU species 0 | $\mathrm{x} 4=0$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 80 | (A) 260 |
| 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? Yes $\boldsymbol{V}$ No $\qquad$

Remarks: (If observed, list morphological adaptations below).
Hydrophytic vegetation present
$\qquad$
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


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? <br> Wetland Hydrology Present? | Yes $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2137 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 3 <br> Total Number of Dominant <br> Species Across All Strata: <br> 4 <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 75 <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 60 | $\times 3=180$ |
| FACU species 20 | $\times 4=80$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 80 | (A) 260 |
| 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.
Hydrophytic Vegetation Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


Remarks:
Hydric soils 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? <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 point UP2138 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liriodendron tulipifera | 15 | $\checkmark$ | FACU |
| 2. Pinus taeda | 10 | $\checkmark$ | FAC |
| 3. Quercus alba | 10 | $\checkmark$ | FACU |
| 4. Quercus falcata | 10 | $\checkmark$ | FACU |
| 5. Pinus glabra | 5 |  | FACW |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | 20\% of | total cover | 10 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. llex opaca | 10 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 3. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 4. Pinus taeda | 5 |  | FAC |
| 5. Quercus alba | 5 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 40\% | Total Cov |  |
| $50 \%$ of total cover: 20 | 20\% of | total cover | 8 |
| Herb Stratum (Plot size: 30 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 |  |  |
|  |  | Total Cov |  |
| $50 \%$ of total cover: <br> 30 ft r | - $20 \%$ of | total cover |  |
| Woody Vine Stratum (Plot size: $\qquad$ ) | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | 20\% of | Total Cover | er |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 3 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: 7 <br>  <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 5 | $\times 2=10$ |
| FAC species 35 | $\times 3=105$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 90 | (A) 315 |

Prevalence Index $\quad=B / A=3.5$
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).
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

Project/Site: 1461 Edge Lowman City/County: Choctaw $\quad$ Sampling Date: 2020-03-11


## 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 Yes |  | Is the Sampled Area within a Wetland? |  | No $\qquad$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2139 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liriodendron tulipifera | 15 | $\checkmark$ | FACU |
| 2. Pinus taeda | 10 | $\checkmark$ | FAC |
| 3. Quercus alba | 10 | $\checkmark$ | FACU |
| 4. Quercus falcata | 10 | $\checkmark$ | FACU |
| 5. Pinus glabra | 5 |  | FACW |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Co |  |
| 50\% of total cover: 25 | 20\% of | total cover |  |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Ilex opaca | 10 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 3. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 4. Pinus taeda | 5 |  | FAC |
| 5. Quercus alba | 5 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 40\% | Total Co |  |
| 50\% of total cover: 20 | _ 20\% of | total cover |  |

Herb Stratum (Plot size: 30 ft r _)

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




## Dominance Test worksheet:

Number of Dominant Species
That Are OBL, FACW, or FAC: 3
(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 5 | $\times 2=10$ |
| FAC species 35 | $\times 3=105$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 90 | (A) 315 |

Prevalence Index $=B / A=3.5$
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.
Hydrophytic Vegetation Present?

$$
\text { Yes } \quad \text { No } \quad \checkmark
$$

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? <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 sample point UP2140 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Liriodendron tulipifera | 15 | $\checkmark$ | FACU |
| 2. Pinus taeda | 10 | $\checkmark$ | FAC |
| 3. Quercus alba | 10 | $\checkmark$ | FACU |
| 4. Quercus falcata | 10 | $\checkmark$ | FACU |
| 5. Pinus glabra | 5 |  | FACW |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Cov |  |
| 50\% of total cover: 25 | 20\% of | tal cover | 10 |
| Sapling/Shrub Stratum (Plot size: 30 ftr r ) |  |  |  |
| 1. Ilex opaca | 10 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 3. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 4. Pinus taeda | 5 |  | FAC |
| 5. Quercus alba | 5 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 40\% | Total Cov |  |
| $50 \%$ of total cover: $\underline{20}$ | - $20 \%$ of | total cover: |  |

Herb Stratum (Plot size: 30 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:

Number of Dominant Species
That Are OBL, FACW, or FAC: 3
(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 5 | $\times 2=10$ |
| FAC species 35 | $\times 3=105$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 90 | (A) 315 |

Prevalence Index $\quad=B / A=3.5$
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.
Hydrophytic Vegetation Present?

$$
\text { Yes ___ No } \quad \downarrow
$$

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? <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 point UP2141/UP2142/ UP2143 |  |  |  |  |  |

## HYDROLOGY



$\qquad$
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


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 $\qquad$ <br> Yes $\qquad$ <br> Yes $\qquad$ |  | Is the Sampled Area within a Wetland? |  | No $\qquad$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: Upland sample point UP2144 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Ilex opaca | 15 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 15 | $\checkmark$ | FAC |
| 3. Pinus taeda | 10 |  | FAC |
| 4. Quercus falcata | 10 |  | FACU |
| 5. Quercus nigra | 10 |  | FAC |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 60\% | Total Co |  |
| 50\% of total cover: 30 | 20\% of | total cover |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Carpinus caroliniana | 10 | $\checkmark$ | FAC |
| 2. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 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: 30ft 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:

Number of Dominant Species
That Are OBL, FACW, or FAC: 3
Total Number of Dominant
Species Across All Strata:
4

Percent of Dominant Species
That Are OBL, FACW, or FAC 75

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 60 | $\times 3=180$ |
| FACU species 20 | $\times 4=80$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 80 | (A) 260 |
| 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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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).
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: $\qquad$
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? <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: Upland sample point UP2145 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominan Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 30 | $\checkmark$ | FAC |
| 2. Ilex opaca | 15 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 15 | $\checkmark$ | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 60\% | Total Co |  |
| 50\% of total cover: 30 | 20\% of | total cove |  |
| Sapling/Shrub Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Carpinus caroliniana | 10 | $\checkmark$ | FAC |
| 2. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 20\% | Total Co |  |
| $50 \%$ of total cover: 10 | 20\% of | tal cove |  |
| Herb Stratum (Plot size: 30 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 |  |  |
|  |  | Total Co | er |
| $50 \%$ of total cover: | 20\% of | total cove |  |
| Woody Vine Stralum | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 50\% of total cover: | - $20 \%$ of | Total Co | ver |

## 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: <br>  <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 70 | $\mathrm{x} 3=210$ |
| FACU species 10 | $\times 4=40$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 80 | (A) 250 |

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 Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


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? <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 for wetland W2119 and W2120 |  |  |  |  |  |

## 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: $\qquad$
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


## 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 point UP2147 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 3 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: 7 <br>  <br> (A/B)

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 5 | $\times 2=10$ |
| FAC species 35 | $\times 3=105$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 90 | (A) 315 |

Prevalence Index $\quad=B / A=3.5$
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).
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? <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 sample point UP2148/ UP2149 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | 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\% of | total cover: |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |
| 1. Pinus taeda | 50 | $\checkmark$ FAC |
| 2. | 0 |  |
| 3. | 0 |  |
| 4. | 0 |  |
| 5. | 0 |  |
| 6. | 0 |  |
| 7. | 0 |  |
| 8. | 0 |  |
|  | 50\% | $=$ Total Cover |
| 50\% of total cover: 25 | 20\% of | total cover: 10 |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |
| 1. Andropogon gerardii | 15 | $\checkmark$ FAC |
| 2. Bouteloua dactyloides | 10 | $\checkmark$ FACU |
| 3. Eupatorium capillifolium | 10 | $\checkmark$ FACU |
| 4. Hieracium greenii | 10 | $\checkmark$ FACU |
| 5. Trifolium pratense | 5 | FACU |
| 6. | 0 |  |
| 7. | 0 |  |
| 8. | 0 |  |
| 9. | 0 |  |
| 10. | 0 |  |
| 11. | 0 |  |
| 12. | 0 |  |
|  | 50\% | Total Cover |
| $50 \%$ of total cover: 25 | _ 20\% of | total cover: 10 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |
|  | 0 |  |
| 2. | 0 |  |
| 3. | 0 |  |
| 4. | 0 |  |
| 5. | 0 |  |
| 50\% of total cover: | $20 \%$ | = Total Cover total cover: |

## Dominance Test worksheet: <br> Number of Dominant Species That Are OBL, FACW, or FAC: 2 <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 | $\times 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 65 | $\times 3=195$ |
| FACU species 35 | x $4=140$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 335 |
| 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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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?

$$
\text { Yes } \quad \text { No } \quad \checkmark
$$

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


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? <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 point UP2150 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2150


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 1 |  |
| Total Number of Dominant |  |  |
| Species Across All Strata: | 4 | (B) |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 25 (A/B) |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 15 | $\times 3=45$ |
| FACU species 85 | x $4=340$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 385 |
| Prevalence Index | = 3.9 |

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


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.



## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species That Are OBL, FACW, or FAC: 6 <br> Total Number of Dominant Species Across All Strata: 8 <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 Vegetation Present? $\qquad$

Remarks: (If observed, list morphological adaptations below).
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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


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? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2155 |  |  |  |  |  |

## 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: $\qquad$
Depth (inches): $\qquad$ Hydric Soil Present? Yes $\qquad$ No


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? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2155 |  |  |  |  |  |

## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species That Are OBL, FACW, or FAC: <br> Total Number of Dominant Species Across All Strata: <br> 3 <br> (B) <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 33 <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 20 | $\times 3=60$ |
| FACU species 80 | $\times 4=320$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 380 |
| 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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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 not present

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


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.



## HYDROLOGY




## Dominance Test worksheet: <br> Number of Dominant Species That Are OBL, FACW, or FAC: <br> Total Number of Dominant Species Across All Strata: <br> 3 <br> (B) <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 33 <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 20 | $\times 3=60$ |
| FACU species 80 | $\times 4=320$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 380 |
| 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, $3 \mathrm{in}.(7.6 \mathrm{~cm}$ ) 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 not present

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


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? <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 sample point W2160 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 15 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 25\% | Total Cov |  |
| 50\% of total cover: 13 | 20\% of | total cover | 5 |
| Sapling/Shrub Stratum (Plot size: 30 ft r |  |  |  |
| 1. Juniperus virginiana | 15 | $\checkmark$ | FACU |
| 2. Morella cerifera | 10 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 25\% | = Total Cov |  |
| $50 \%$ of total cover: 13 | 20\% of | total cover | 5 |
| Herb Stratum (Plot size:30 ft r ${ }^{\text {r }}$ ) |  |  |  |
| 1. Bouteloua dactyloides | 20 | $\checkmark$ | FACU |
| 2. Trifolium repens | 15 | $\checkmark$ | FACU |
| 3. Andropogon gerardii | 5 |  | FAC |
| 4. Eupatorium capillifolium | 5 |  | FACU |
| 5. Nothoscordum bivalve | 5 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 50\% | = Total Cov |  |
| $50 \%$ of total cover: 25 | 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 Cov <br> total cover | er |

## Dominance Test worksheet: <br> Number of Dominant Species <br> That Are OBL, FACW, or FAC: 3 <br> (A) <br> Total Number of Dominant <br> Species Across All Strata: 6 <br> (B) <br> Percent of Dominant Species <br> That Are OBL, FACW, or FAC: 50 <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 40 | $\times 3=120$ |
| FACU species 60 | $\times 4=240$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 360 |
| Prevalence Index | $=3.6$ |

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).
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


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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes Yes |  | Is the Sampled Area within a Wetland? |  | No $\qquad$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2161 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 40 | $\checkmark$ | FAC |
| 2. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 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. Morella cerifera | 10 | $\checkmark$ | FAC |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 25\% | Total Cov |  |
| 50\% of total cover: 13 | _ 20\% of | total cover |  |

Herb Stratum (Plot size: 30 ft r )

| 1. Andropogon gerardii | 5 | $\checkmark$ | FAC |
| :---: | :---: | :---: | :---: |
| 2. Bouteloua dactyloides | 5 | $\checkmark$ | FACU |
| 3. Eupatorium capillifolium | 5 | $\checkmark$ | FACU |
| 4. Nothoscordum bivalve | 5 | $\checkmark$ | FACU |
| 5. Trifolium repens | 5 | $\checkmark$ | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  |  | tal |  |
| 50\% of total cover: 13 |  | co | 5 |
| Woody Vine Stratum (Plot size: 30 ft r |  |  |  |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  |  | tal |  |
| 50\% of total cover: |  | co |  |


| Dominance Test worksheet: |  |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species |  |  |  |
| That Are OBL, FACW, or FAC: | 4 |  |  |
| Total Number of Dominant |  |  |  |
| Species Across All Strata: | 9 | (B) |  |
| Percent of Dominant Species |  |  |  |
| That Are OBL, FACW, or FAC: | 44 | (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 65 | $\times 3=195$ |
| FACU species 35 | $\times 4=140$ |
| UPL species 0 | $\times 5=0$ |
| Column Totals: 100 | (A) 335 |
| 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 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?

$$
\text { Yes } \quad \text { No } \quad \checkmark
$$

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


Remarks:
Hydric soil not present
Project/Site: 1461 Edge Lowman City/County: Washington $\quad$ Sampling Date: 2020-03-18


## 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: Upland sample point UP2162 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2162

| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicato Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 25 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 5 |  | FACU |
| 3. Liquidambar styraciflua | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Cov |  |
| 50\% of total cover: 18 | 20\% of | total cover | 7 |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Juniperus virginiana | 15 | $\checkmark$ | FACU |
| 2. Ilex vomitoria | 10 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 4. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 5. Aesculus pavia | 5 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Cov |  |
| $50 \%$ of total cover: 25 | - $20 \%$ of | total cover |  |
| Herb Stratum (Plot size: 30 ft r |  |  |  |
| 1. Bouteloua dactyloides | 15 | $\checkmark$ | FACU |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 15\% | Total Cov |  |
| $50 \%$ of total cover: 8 | - $20 \%$ of | total cover |  |
| $\underline{\text { Woody Vine Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ ( |  |  |  |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  |  | Total Cov |  |
| 50\% of total cover: | _ $20 \%$ of | total cover |  |


| Dominance Test worksheet: |  |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species |  |  |  |
| That Are OBL, FACW, or FAC: | 3 |  |  |
| Total Number of Dominant |  |  |  |
| Species Across All Strata: | 6 |  |  |
| 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 50 | $\mathrm{x} 3=150$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 350 |

Prevalence Index $\quad=B / A=3.5$
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.
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


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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2163 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2163

| Tree Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) | Absolute \% Cover | Dominant Species? | Indicato Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 25 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 5 |  | FACU |
| 3. Liquidambar styraciflua | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Cov |  |
| 50\% of total cover: 18 | 20\% of | total cover | 7 |
| Sapling/Shrub Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Juniperus virginiana | 15 | $\checkmark$ | FACU |
| 2. Ilex vomitoria | 10 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 4. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 5. Aesculus pavia | 5 |  | FACU |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Cov |  |
| $50 \%$ of total cover: 25 | _ $20 \%$ of | total cover |  |
| Herb Stratum (Plot size: $30 \mathrm{ft} \mathrm{r}{ }^{\text {r }}$ ) |  |  |  |
| 1. Bouteloua dactyloides | 15 | $\checkmark$ | FACU |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 15\% | Total Cov |  |
| $50 \%$ of total cover: 8 | - $20 \%$ of | total cover |  |
| $\underline{\text { Woody Vine Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ ( |  |  |  |
| 1. | 0 |  |  |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
|  |  | Total Cov |  |
| 50\% of total cover: | _ $20 \%$ of | total cover |  |


| Dominance Test worksheet: |  |  |  |  |
| :--- | :--- | :--- | :--- | :---: |
| Number of Dominant Species |  |  |  |  |
| That Are OBL, FACW, or FAC: | 3 |  |  |  |
| Total Number of Dominant | 6 | (B) |  |  |
| Species Across All Strata: |  |  |  |  |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 50  |  |  |  |  |

Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\mathrm{x} 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 50 | $\mathrm{x} 3=150$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 350 |

Prevalence Index $\quad=B / A=3.5$
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 . $(7.6 \mathrm{~cm})$ 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


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? |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point UP2164/UP216 |  |  |  |  |  |

## HYDROLOGY



| Tree Stratum (Plot size: 30 ft r | Absolute \% Cover | Dominant Species? | Indicator Status |
| :---: | :---: | :---: | :---: |
| 1. Pinus taeda | 25 | $\checkmark$ | FAC |
| 2. Juniperus virginiana | 5 |  | FACU |
| 3. Liquidambar styraciflua | 5 |  | FAC |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 35\% | Total Cov | er |
| 50\% of total cover: 18 | 20\% of | total cover | 7 |
| $\underline{\text { Sapling/Shrub Stratum (Plot size: } 30 \mathrm{ft} \mathrm{r}}$ ( |  |  |  |
| 1. Juniperus virginiana | 15 | $\checkmark$ | FACU |
| 2. Ilex vomitoria | 10 | $\checkmark$ | FAC |
| 3. Liquidambar styraciflua | 10 | $\checkmark$ | FAC |
| 4. Ostrya virginiana | 10 | $\checkmark$ | FACU |
| 5. Aesculus pavia | 5 |  | FACU |
|  | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
|  | 50\% | Total Cov |  |
| 50\% of total cover: 25 | _ 20\% of | total cover |  |
| Herb Stratum (Plot size: 30 ft r ) |  |  |  |
| 1. Bouteloua dactyloides | 15 | $\checkmark$ | FACU |
| 2. | 0 |  |  |
| 3. | 0 |  |  |
| 4. | 0 |  |  |
| 5. | 0 |  |  |
| 6. | 0 |  |  |
| 7. | 0 |  |  |
| 8. | 0 |  |  |
| 9. | 0 |  |  |
| 10. | 0 |  |  |
| 11. | 0 |  |  |
| 12. | 0 |  |  |
|  | 15\% | = Total Cov |  |
| 50\% of total cover: 8 | - $20 \%$ 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\% | Total Cov total cover | er |


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- | :--- |
| Number of Dominant Species   <br> That Are OBL, FACW, or FAC: 3  <br> Total Number of Dominant   | (A) |  |
| Species Across All Strata: | 6 |  |
| Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 50 (B) <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 50 | $\mathrm{x} 3=150$ |
| FACU species 50 | x $4=200$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 350 |

Prevalence Index $\quad=B / A=3.5$
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, $3 \mathrm{in} .(7.6 \mathrm{~cm})$ 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).
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


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? <br> Hydric Soil Present? <br> Wetland Hydrology Present? | Yes <br> Yes <br> Yes |  | Is the Sampled Area within a Wetland? |  | No $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Remarks: <br> Upland sample point 2166 |  |  |  |  |  |

## HYDROLOGY



VEGETATION (Four Strata) - Use scientific names of plants.
Sampling Point: UP2166


| Dominance Test worksheet: |  |  |
| :--- | :--- | :--- |
| Number of Dominant Species |  |  |
| That Are OBL, FACW, or FAC: | 2 |  |
| Total Number of Dominant   <br> Species Across All Strata: 6 (B) <br> Percent of Dominant Species   <br> That Are OBL, FACW, or FAC: 33 (A/B)    |  |  |

## Prevalence Index worksheet:

| Total \% Cover of: | Multiply by: |
| :---: | :---: |
| OBL species 0 | $\times 1=0$ |
| FACW species 0 | $\times 2=0$ |
| FAC species 20 | $\times 3=60$ |
| FACU species 80 | $\times 4=320$ |
| UPL species 0 | $\mathrm{x} 5=0$ |
| Column Totals: 100 | (A) 380 |
| 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 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

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


Remarks:
Hydric soil not present

## Appendix D

Environmental Survey Photographs

## Appendix D - Environmental Survey Photographs Lowman Pipeline Project

NextEra Energy Pipeline Holdings (Lowman), Inc.


Photograph \#1 - Representative view of a palustrine forested (PFO) wetland within the survey area, facing west.


Photograph \#2 - Representative view of a Palustrine scrub/shrub (PSS) wetland within the survey area, facing north.


Photograph \#3 - Representative view of palustrine emergent (PEM) wetland within the survey area facing north.


Photograph \#4 - Representative view of a ditch within the pipeline survey area facing south.


Photograph \#5 - Representative view of a pond within the survey area facing northeast.


Photograph \#6 - Representative view of the ephemeral stream within the survey area, facing west.


Photograph \#7 - Representative view of an intermittent stream within the survey area, facing southeast.


Photograph \#8 -Representative view of pasture/agricultural land within the survey area facing south.


Photograph \#9 - Representative view of an existing pipeline right-of-way within the survey area facing northeast.


Photograph \#10- Representative view of the Okatuppa Creek within the survey area, facing northwest.


Photograph \#11 - Representative view of Folsoms Creek within the survey area, facing northwest.


Photograph \#12- Representative view of the Elias Creek within the survey area, facing northeast.


Photograph \#13- Representative view of the large waterbody connecting to Mill Branch within the survey area, facing east.


Photograph \#14- Representative view of the Bougueloosa Creek within the survey area, facing north.

