

|                             |                             |
|-----------------------------|-----------------------------|
| ● Upland Data Point         | — Consol Delineated Stream  |
| ● Wetland Data Point        | ■ Consol Delineated Wetland |
| — WSP Delineated Stream     |                             |
| ■ WSP Delineated Wetland    |                             |
| ■ WSP Delineated Pond       |                             |
| ⋯ Environmental Survey Area |                             |

**Page 11 of 17**

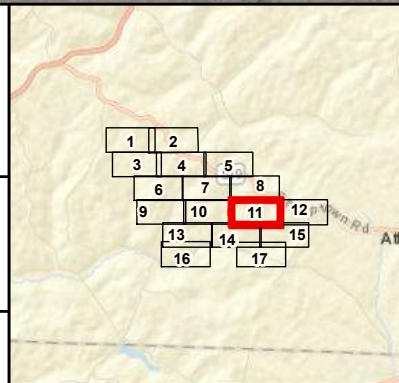
Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

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Coordinate System:  
Ohio State Plane North  
NAD 1983

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March 26, 2021



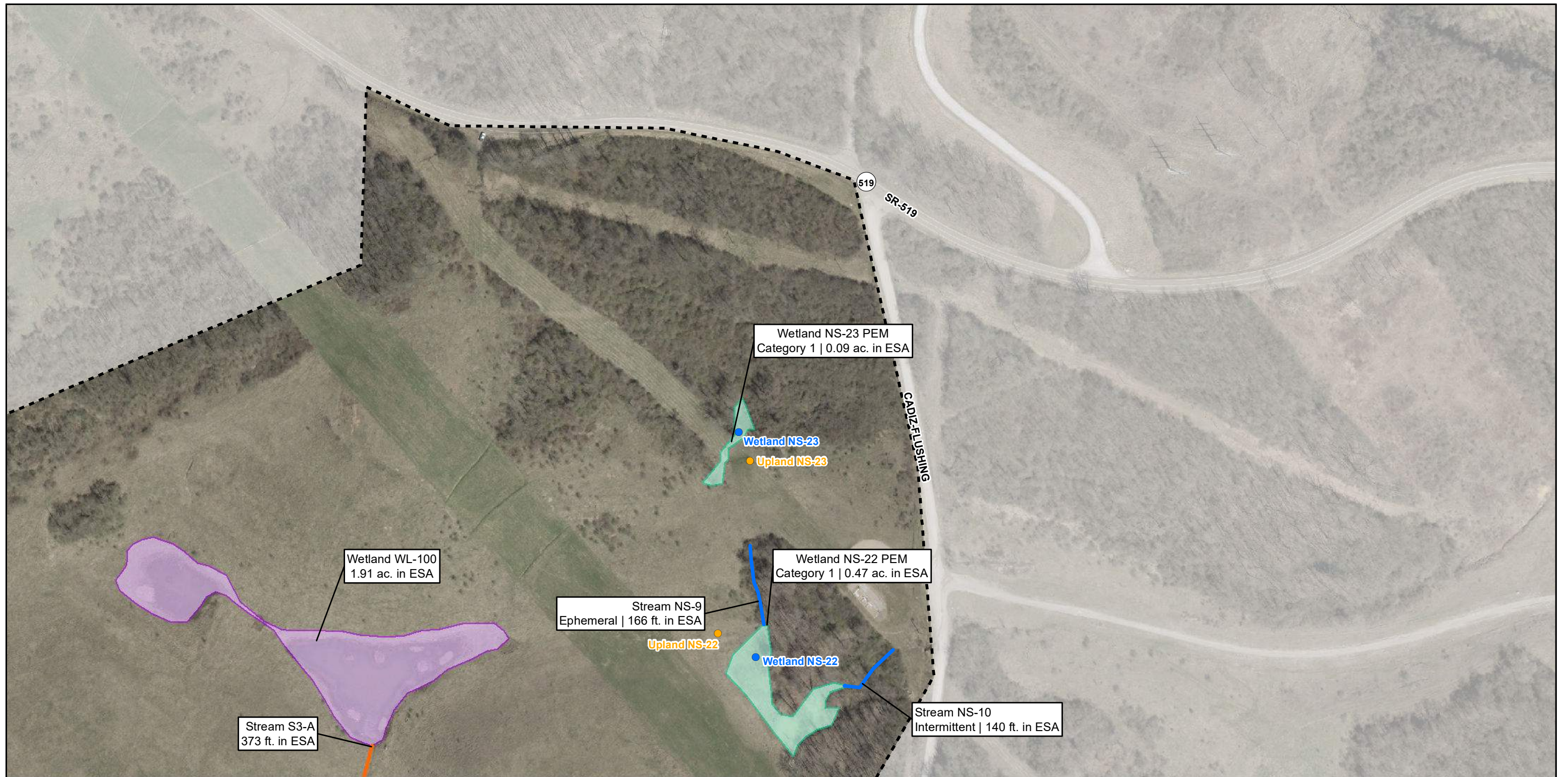
NOTTINGHAM SOLAR SITE

**Figure 3. Delineated Features**

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N

0      200      400  
Feet

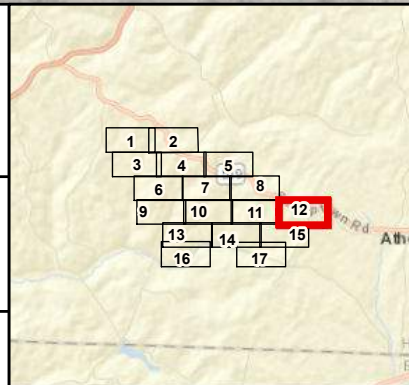


|                           |                           |                      |
|---------------------------|---------------------------|----------------------|
| Upland Data Point         | Consol Delineated Stream  | <b>Page 12 of 17</b> |
| Wetland Data Point        | Consol Delineated Wetland |                      |
| WSP Delineated Stream     |                           |                      |
| WSP Delineated Wetland    |                           |                      |
| WSP Delineated Pond       |                           |                      |
| Environmental Survey Area |                           |                      |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

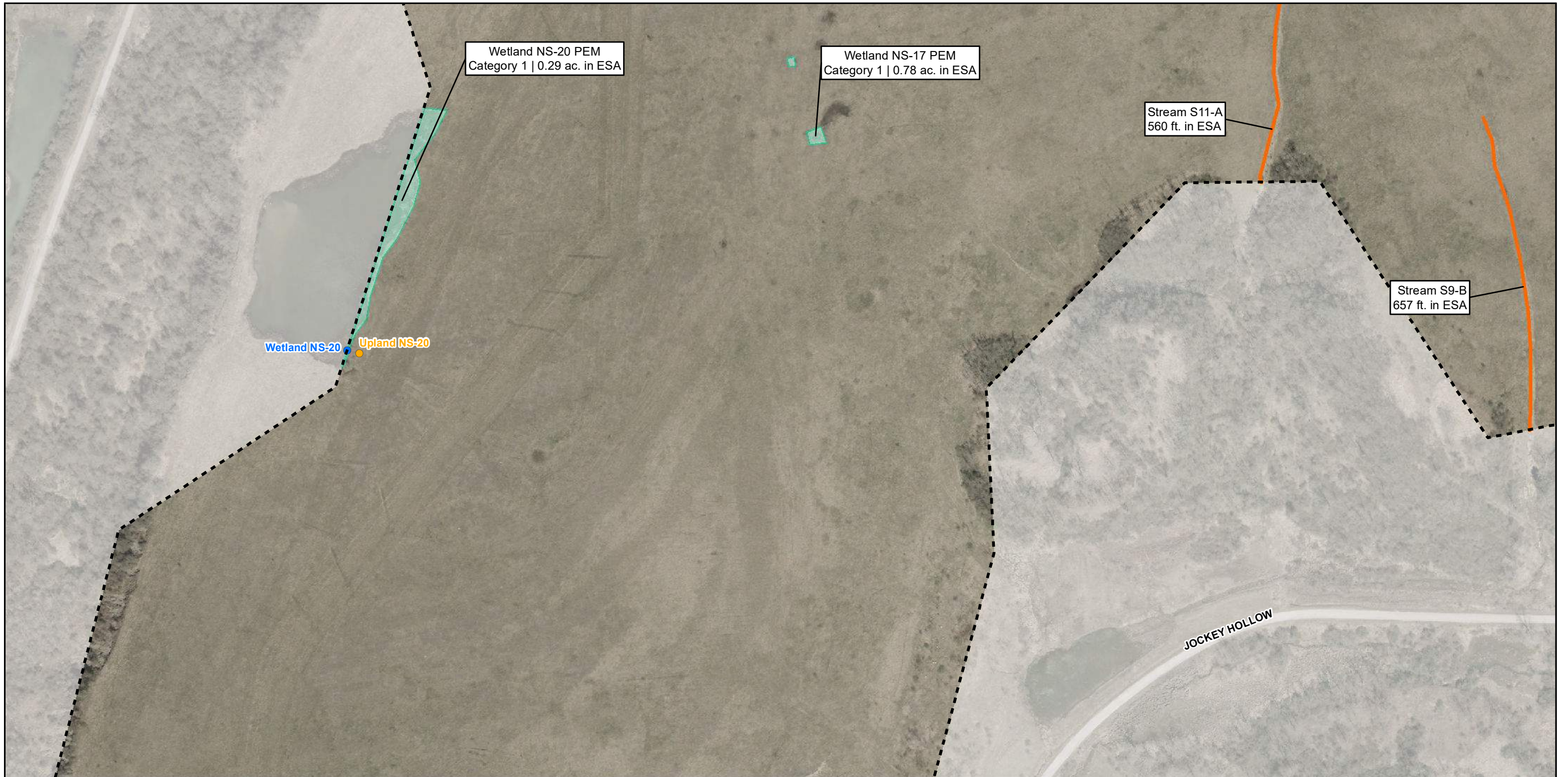
Coordinate System:  
Ohio State Plane North  
NAD 1983

March 26, 2021



NOTTINGHAM SOLAR SITE

**Figure 3. Delineated Features**



Wetland NS-20 PEM  
Category 1 | 0.29 ac. in ESA

Wetland NS-17 PEM  
Category 1 | 0.78 ac. in ESA

Stream S11-A  
560 ft. in ESA

Stream S9-B  
657 ft. in ESA

Wetland NS-20 Upland NS-20

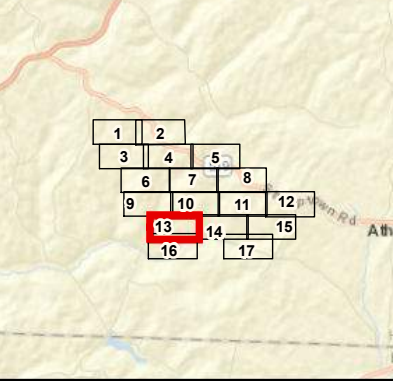
JOCKEY HOLLOW

- Upland Data Point
- Wetland Data Point
- WSP Delineated Stream
- WSP Delineated Wetland
- WSP Delineated Pond
- Environmental Survey Area
- Consol Delineated Stream
- Consol Delineated Wetland

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

March 26, 2021

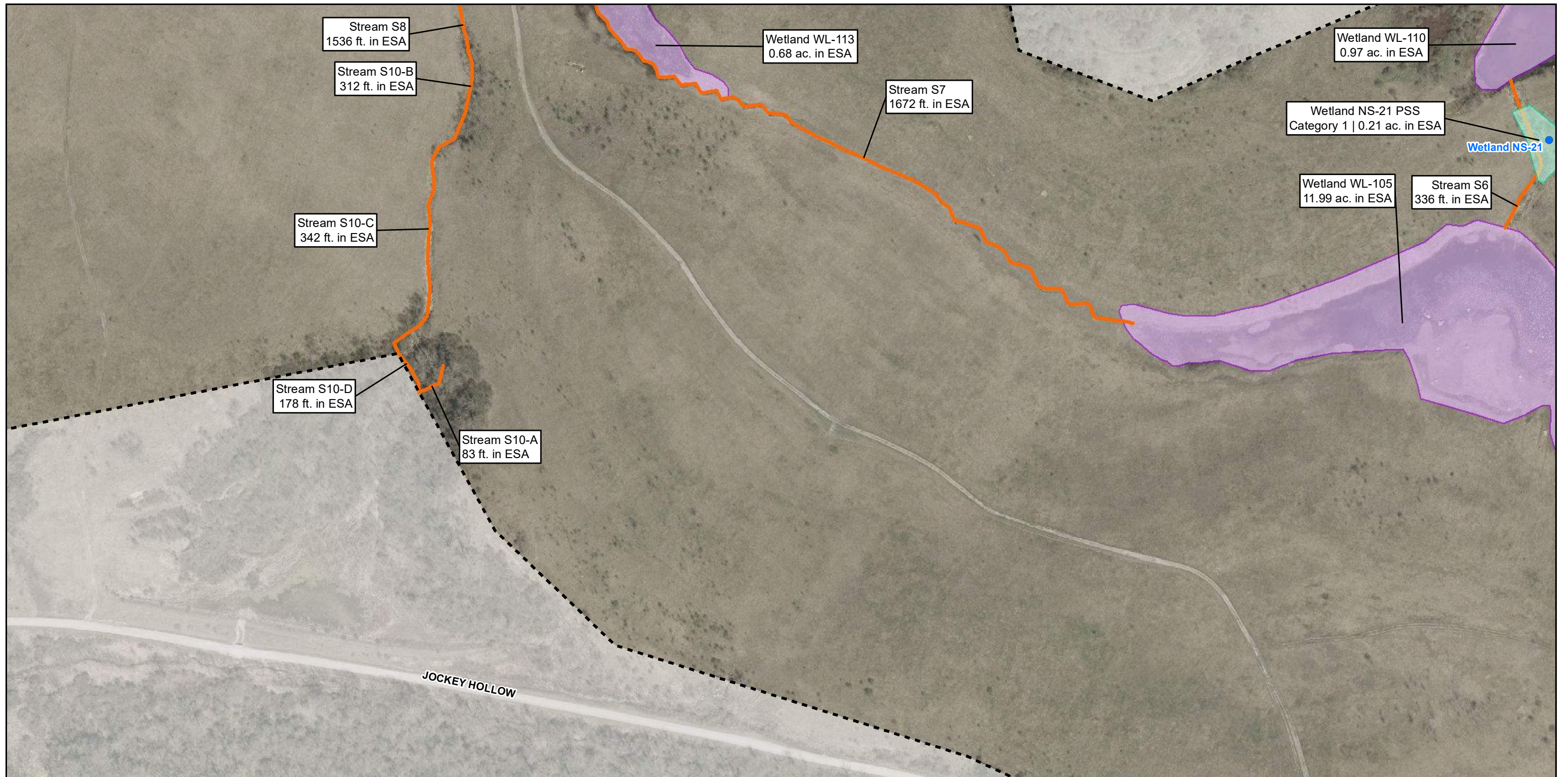


NOTTINGHAM SOLAR SITE

**Figure 3. Delineated Features**

N

0      200      400  
Feet

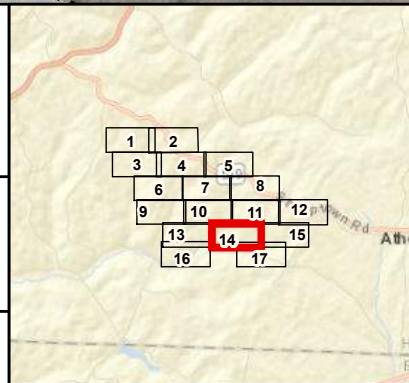


|                               |                             |                      |
|-------------------------------|-----------------------------|----------------------|
| ● Upland Data Point           | — Consol Delineated Stream  | <b>Page 14 of 17</b> |
| ● Wetland Data Point          | ■ Consol Delineated Wetland |                      |
| — WSP Delineated Stream       |                             |                      |
| ■ WSP Delineated Wetland      |                             |                      |
| ■ WSP Delineated Pond         |                             |                      |
| --- Environmental Survey Area |                             |                      |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

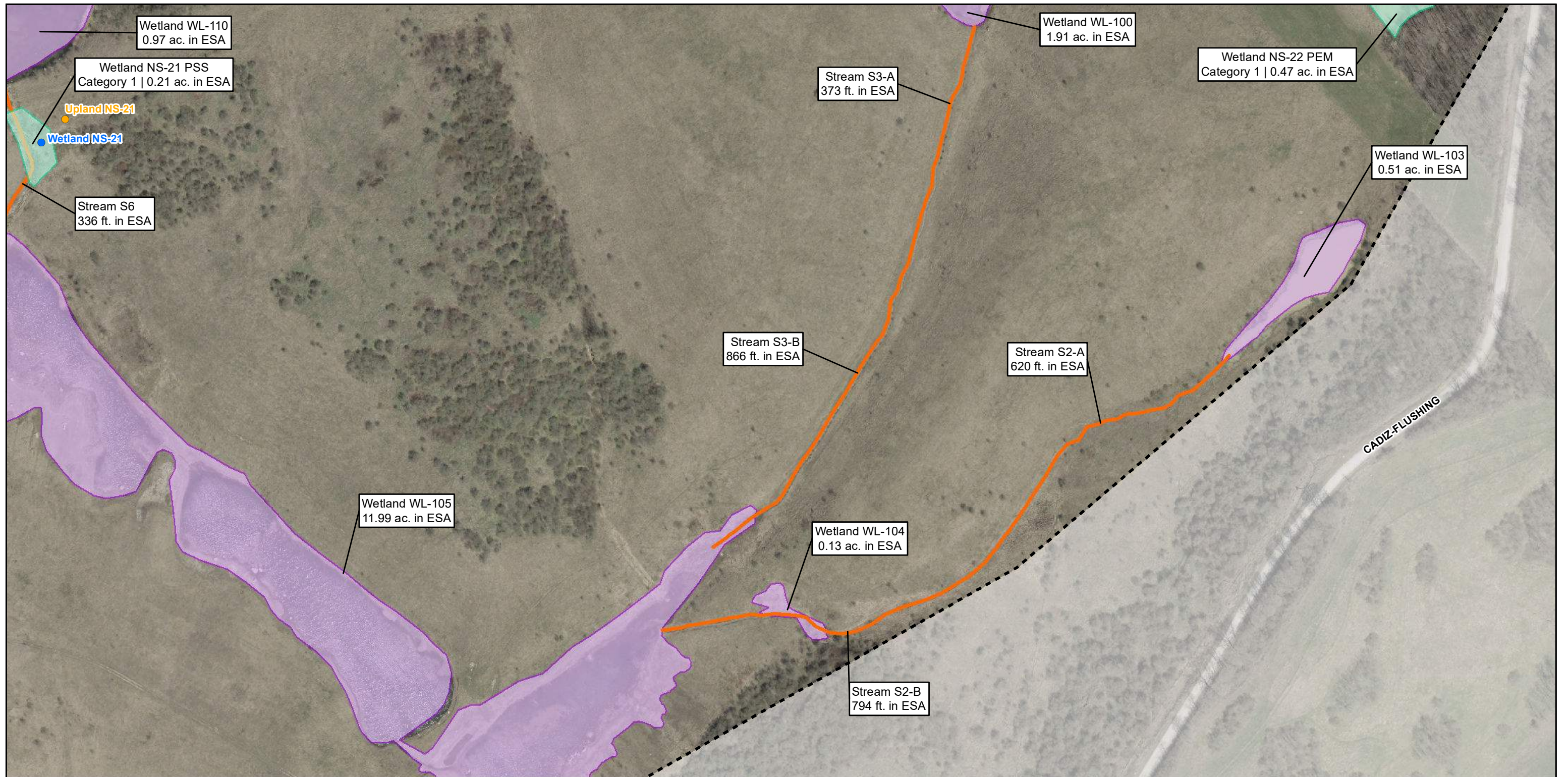
March 26, 2021



NOTTINGHAM SOLAR SITE

**Figure 3. Delineated Features**

0 200 400 Feet

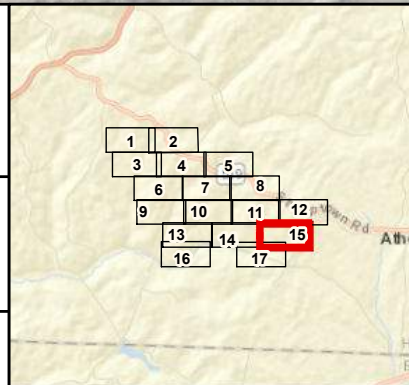


|                             |                             |                      |
|-----------------------------|-----------------------------|----------------------|
| ● Upland Data Point         | — Consol Delineated Stream  | <b>Page 15 of 17</b> |
| ● Wetland Data Point        | — Consol Delineated Wetland |                      |
| — WSP Delineated Stream     |                             |                      |
| — WSP Delineated Wetland    |                             |                      |
| — WSP Delineated Pond       |                             |                      |
| — Environmental Survey Area |                             |                      |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

March 26, 2021



NOTTINGHAM SOLAR SITE

**Figure 3. Delineated Features**

0 200 400 Feet

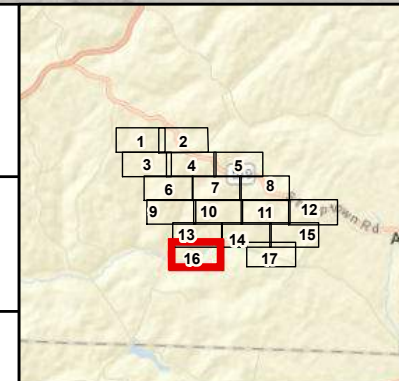


- Upland Data Point
- Wetland Data Point
- Consol Delineated Stream
- Consol Delineated Wetland
- WSP Delineated Stream
- WSP Delineated Wetland
- WSP Delineated Pond
- Environmental Survey Area

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

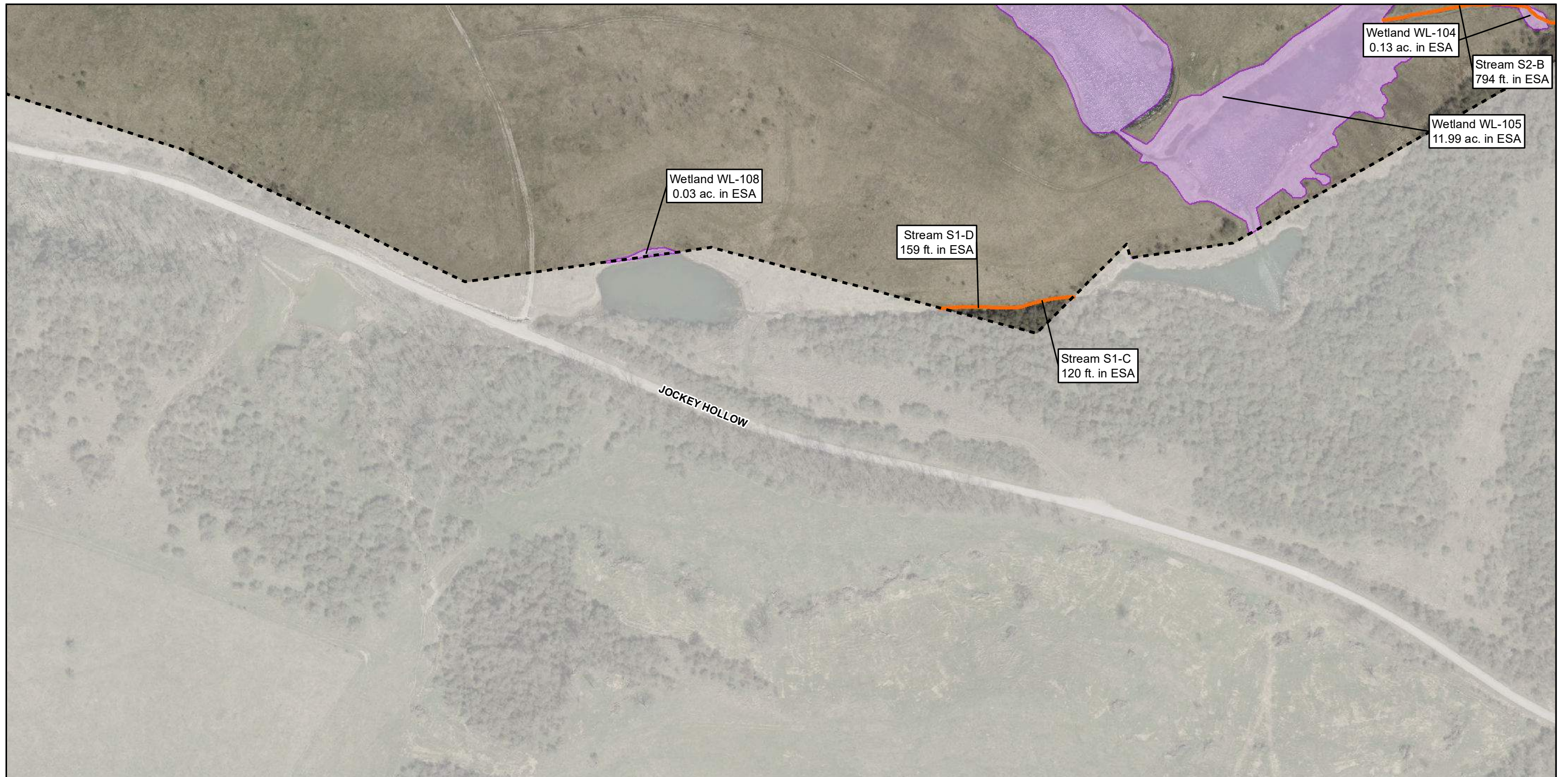
March 26, 2021



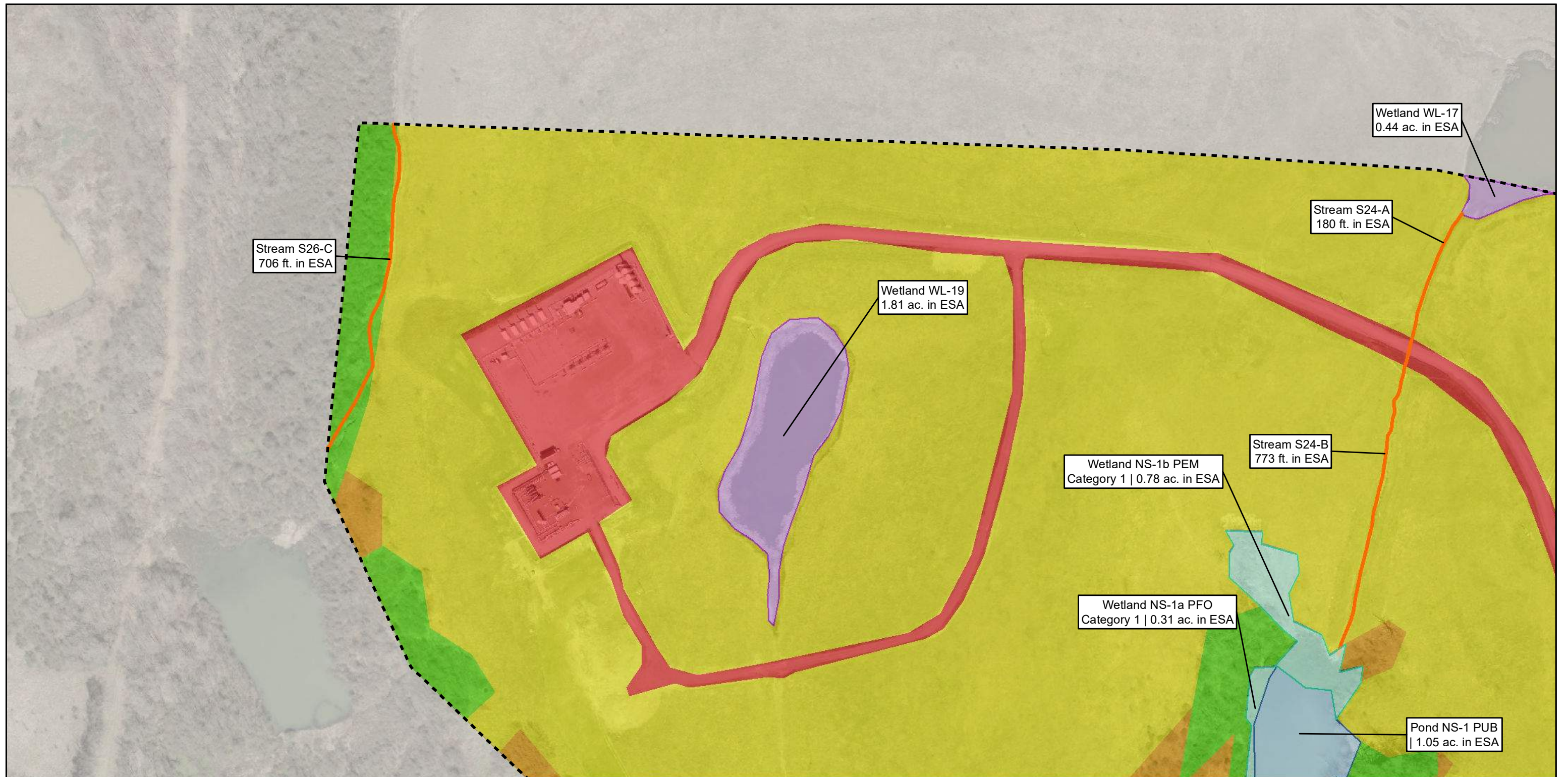
NOTTINGHAM SOLAR SITE  
**Figure 3. Delineated Features**



0 200 400 Feet



|  |   |                      |  |  |  |
|--|---|----------------------|--|--|--|
| <ul style="list-style-type: none"> <li><span style="color: orange;">●</span> Upland Data Point</li> <li><span style="color: blue;">●</span> Wetland Data Point</li> <li><span style="color: blue;">—</span> WSP Delineated Stream</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Pond</li> <li><span style="border-bottom: 1px dashed black; width: 15px; display: inline-block;"></span> Environmental Survey Area</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: orange;">—</span> Consol Delineated Stream</li> <li><span style="background-color: lightpurple; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Consol Delineated Wetland</li> </ul> | <p>Page 17 of 17</p> | <p>Sources:<br/>Imagery (OGRIP)<br/>Road Labels (ODOT)</p> |  | <p>NOTTINGHAM SOLAR SITE</p> <p><b>Figure 3. Delineated Features</b></p> |
| <p>Coordinate System:<br/>Ohio State Plane North<br/>NAD 1983</p>  |   |                      |  |  |  |
| <p>March 26, 2021</p>  |   |                      |  |  |  |



|                           |                                |                     |
|---------------------------|--------------------------------|---------------------|
| WSP Delineated Stream     | Developed, High Intensity      | <b>Page 1 of 17</b> |
| WSP Delineated Wetland    | Grassland                      |                     |
| WSP Delineated Pond       | Scrub/Shrub                    |                     |
| Consol Delineated Stream  | Successional Hardwood Woodland |                     |
| Consol Delineated Wetland |                                |                     |
| Environmental Survey Area |                                |                     |

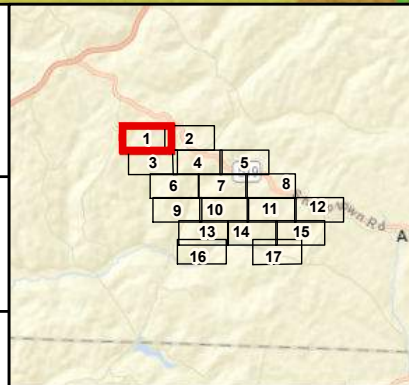
Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

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Coordinate System:  
Ohio State Plane North  
NAD 1983

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March 19, 2021



NOTTINGHAM SOLAR SITE

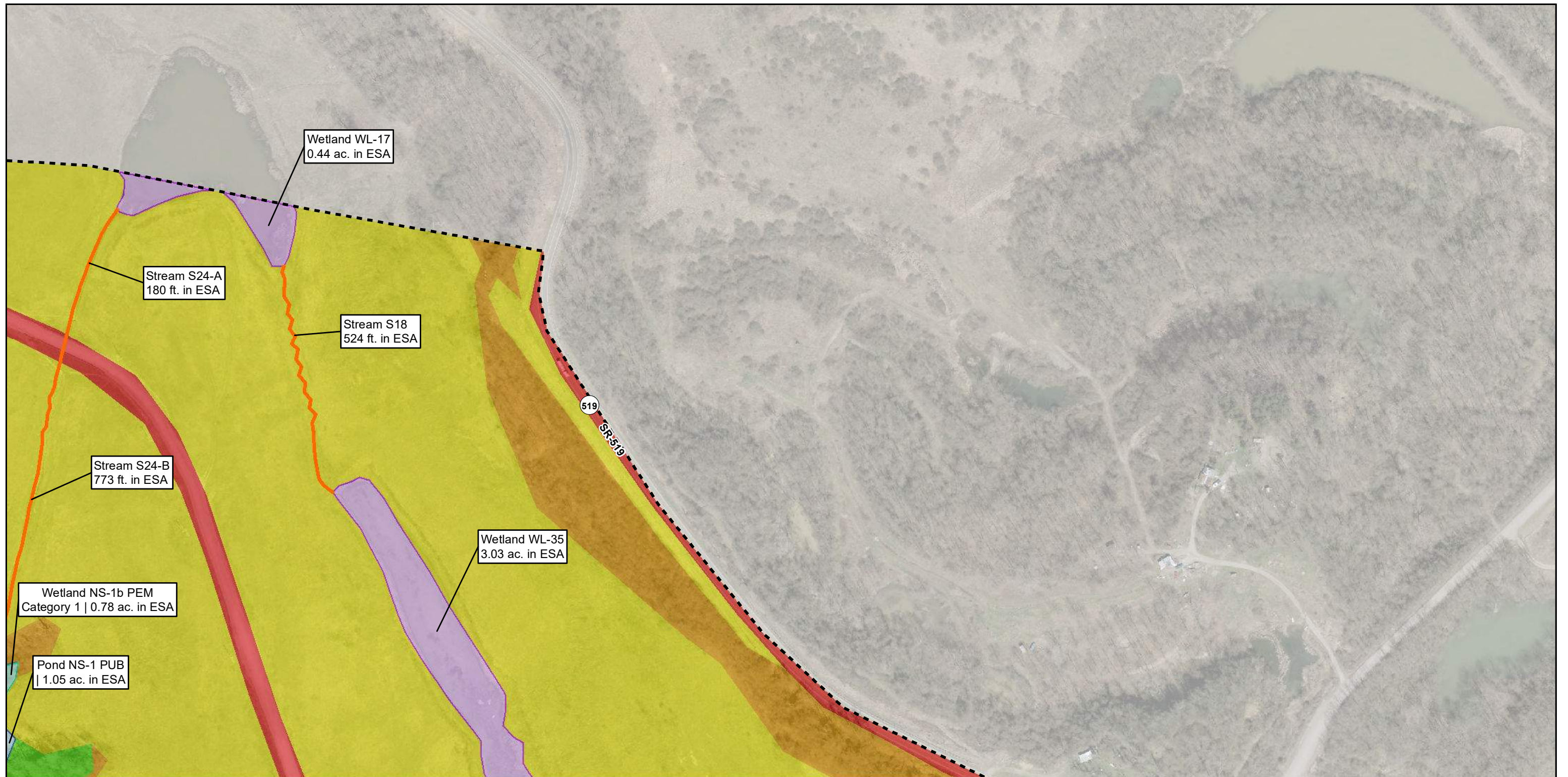
**Figure 4. Vegetation Coverage**

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N

0      200      400  
Feet



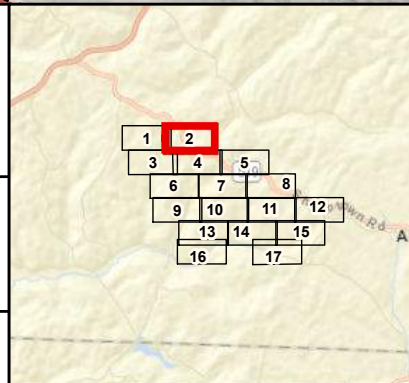


|                           |                                |                     |
|---------------------------|--------------------------------|---------------------|
| WSP Delineated Stream     | Developed, High Intensity      | <b>Page 2 of 17</b> |
| WSP Delineated Wetland    | Grassland                      |                     |
| WSP Delineated Pond       | Scrub/Shrub                    |                     |
| Consol Delineated Stream  | Successional Hardwood Woodland |                     |
| Consol Delineated Wetland |                                |                     |
| Environmental Survey Area |                                |                     |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

March 19, 2021

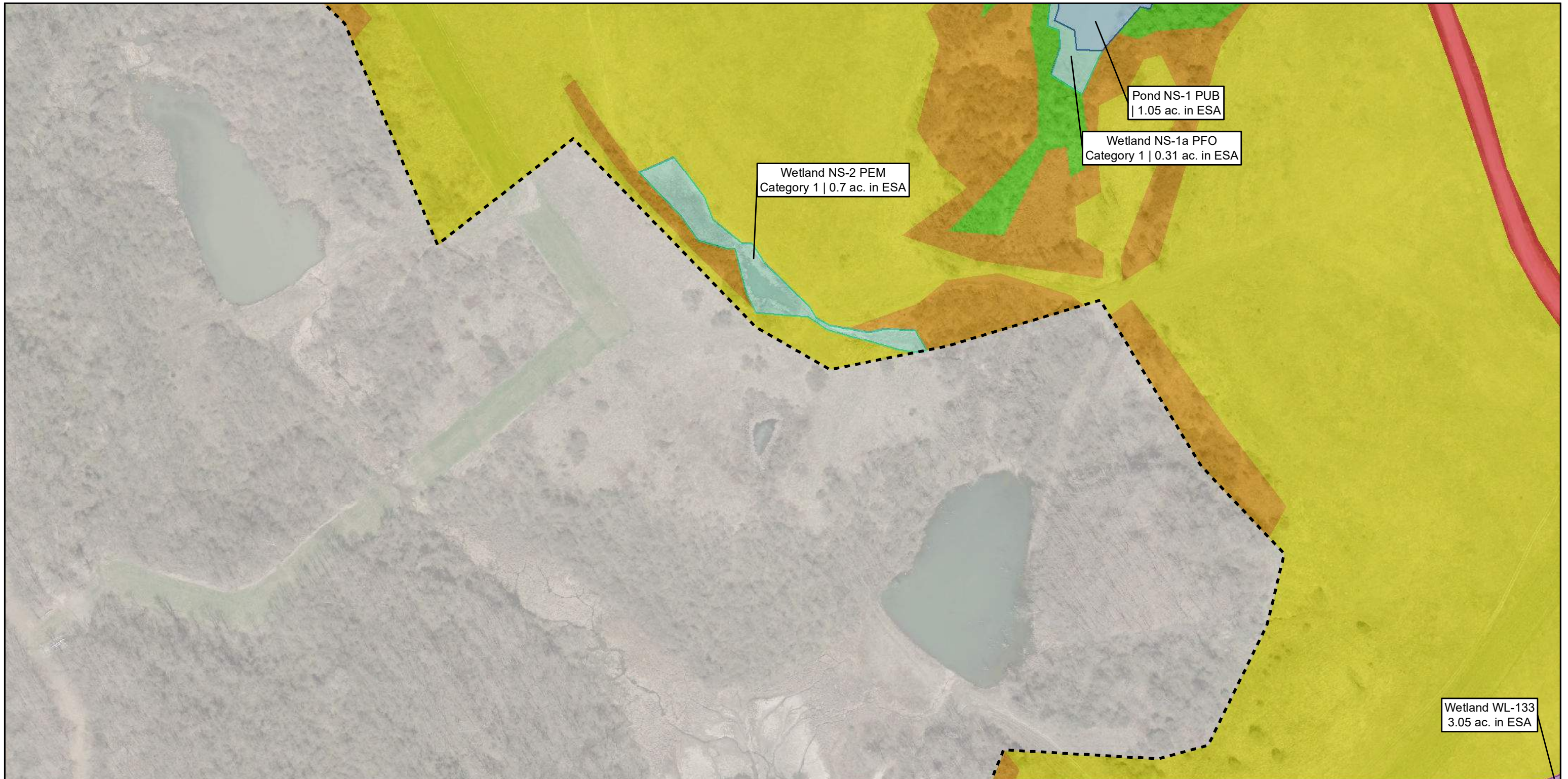


NOTTINGHAM SOLAR SITE

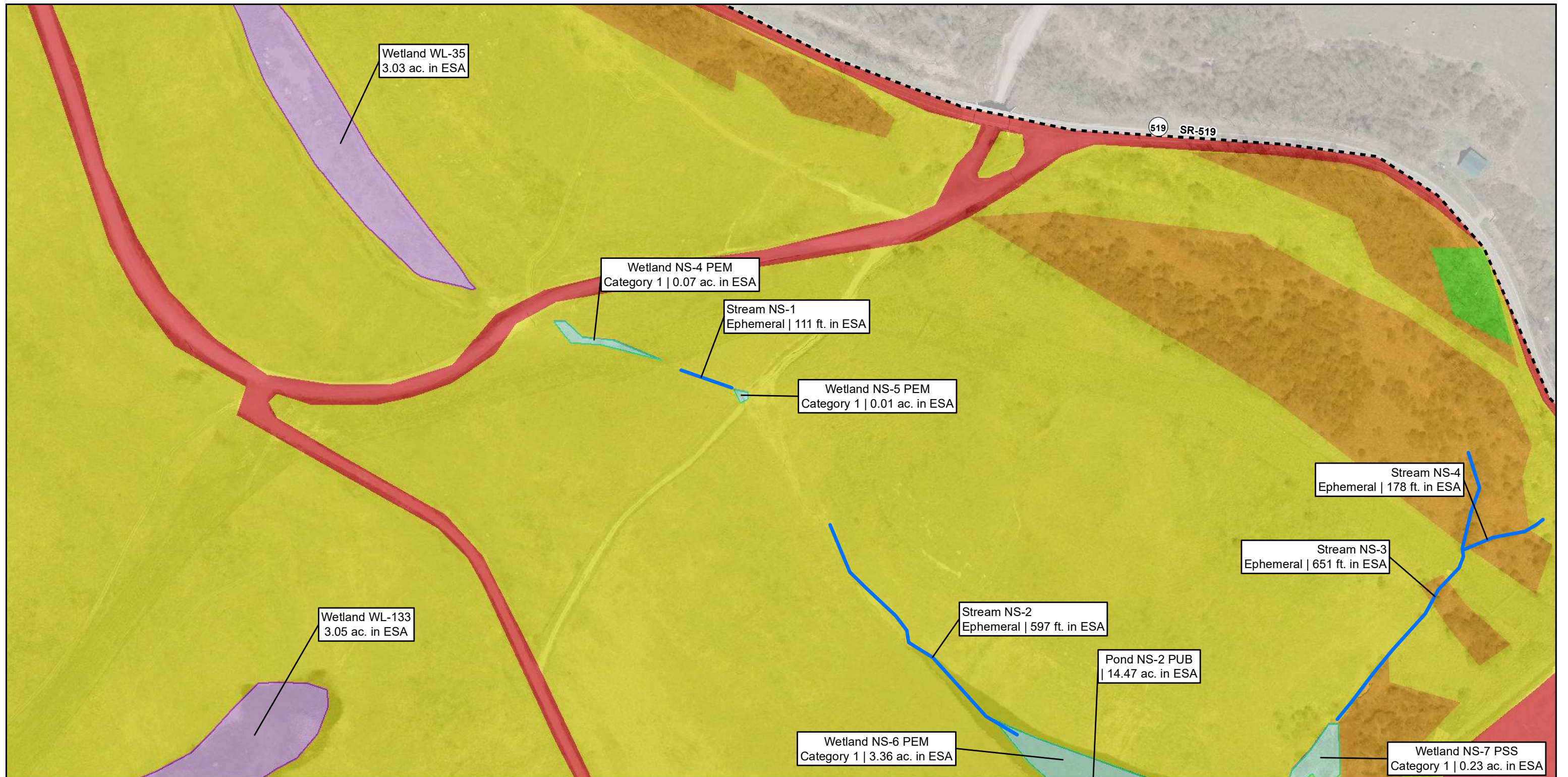
**Figure 4. Vegetation Coverage**

N

0      200      400  
Feet



|   |  |                     |   |  |   |
|---|--|---------------------|---|--|---|
| <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> WSP Delineated Stream</li> <li><span style="color: lightgreen;">—</span> WSP Delineated Wetland</li> <li><span style="color: lightblue;">—</span> WSP Delineated Pond</li> <li><span style="color: orange;">—</span> Consol Delineated Stream</li> <li><span style="color: purple;">—</span> Consol Delineated Wetland</li> <li><span style="border: 1px dashed black; display: inline-block; width: 10px; height: 10px;"></span> Environmental Survey Area</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: red;">—</span> Developed, High Intensity</li> <li><span style="color: yellow;">—</span> Grassland</li> <li><span style="color: brown;">—</span> Scrub/Shrub</li> <li><span style="color: green;">—</span> Successional Hardwood Woodland</li> </ul> | <p>Page 3 of 17</p> | <p>Sources:<br/>Imagery (OGRIP)<br/>Road Labels (ODOT)</p>        |  | <p>NOTTINGHAM SOLAR SITE<br/><b>Figure 4. Vegetation Coverage</b></p> |
|   |  |                     | <p>Coordinate System:<br/>Ohio State Plane North<br/>NAD 1983</p> |  |   |
|   |  |                     | <p>March 19, 2021</p>   |  |   |

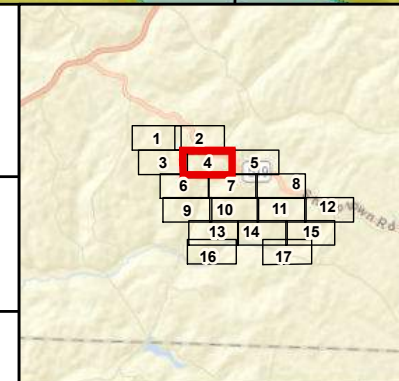


- WSP Delineated Stream
- WSP Delineated Wetland
- WSP Delineated Pond
- Consol Delineated Stream
- Consol Delineated Wetland
- Environmental Survey Area
- Developed, High Intensity
- Grassland
- Scrub/Shrub
- Successional Hardwood Woodland

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

March 19, 2021













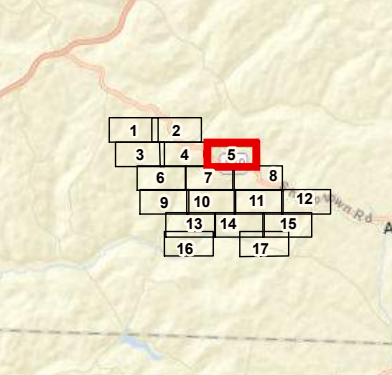

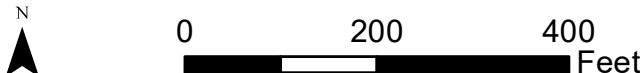
NOTTINGHAM SOLAR SITE  
**Figure 4. Vegetation Coverage**

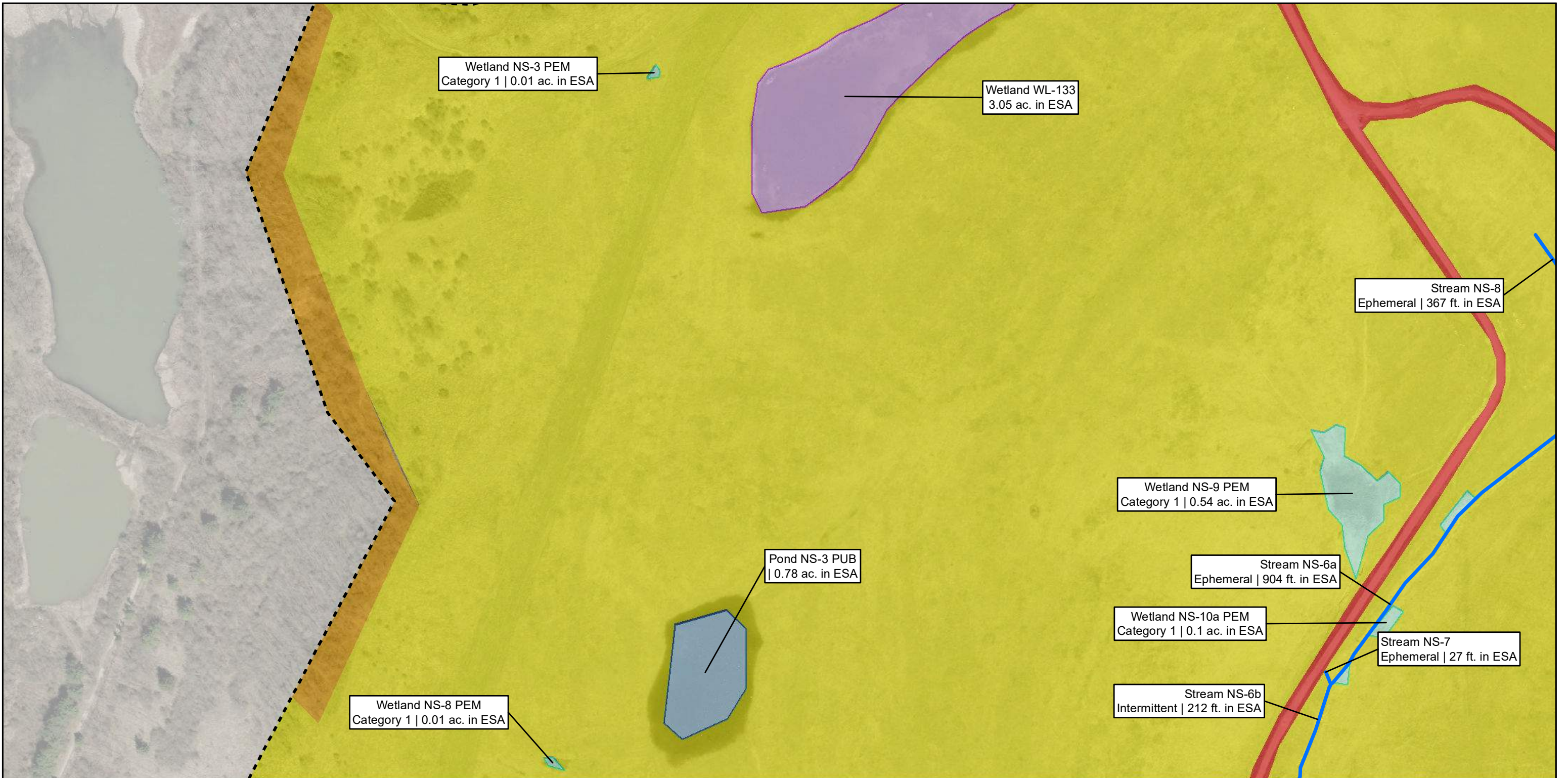




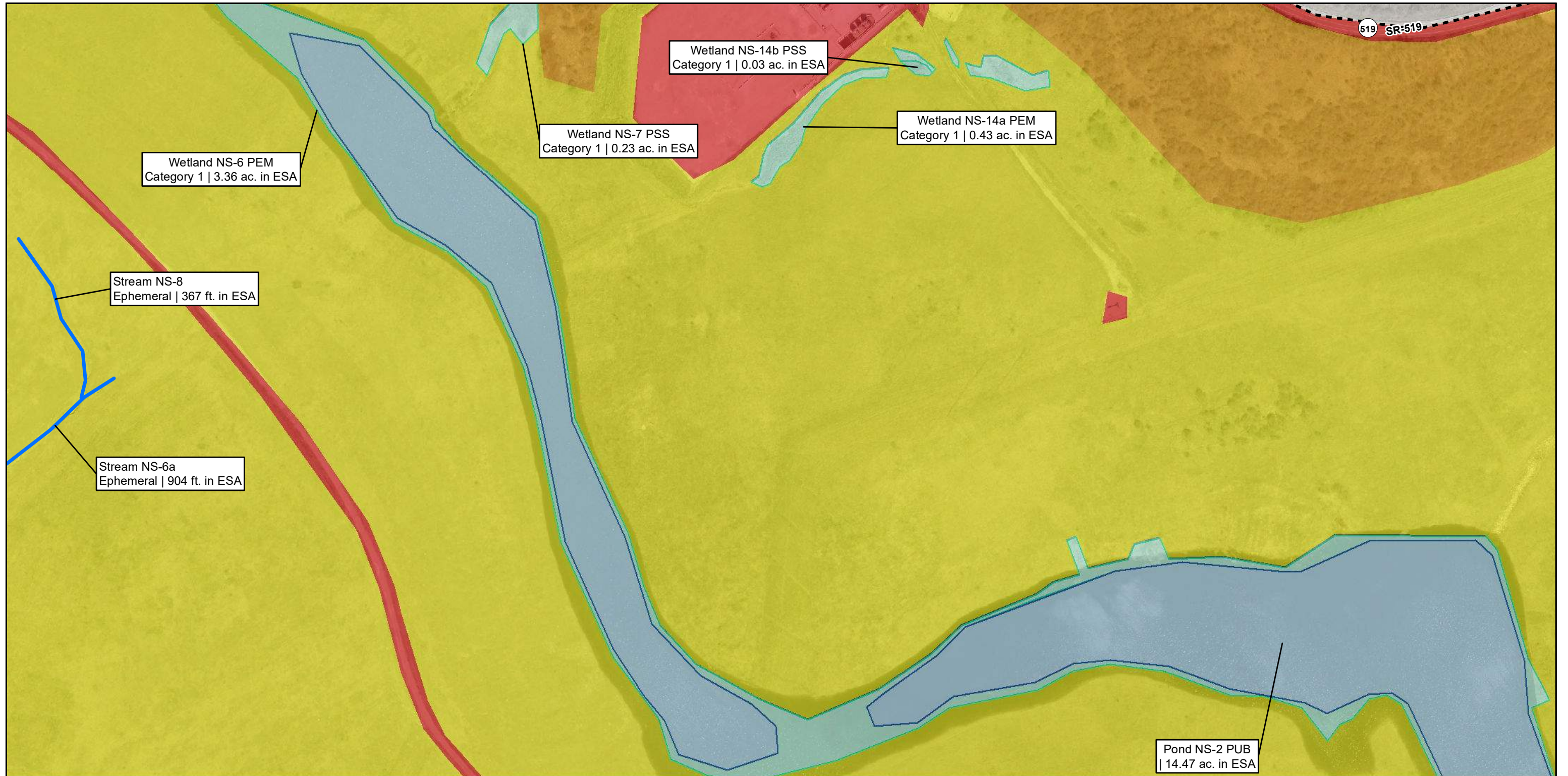
Stream NS-4  
Ephemeral | 178 ft. in ESA

519  
SR-519

|  |   |                     |   |   |   |
|--|---|---------------------|---|---|---|
| <ul style="list-style-type: none"> <li> WSP Delineated Stream</li> <li> WSP Delineated Wetland</li> <li> WSP Delineated Pond</li> <li> Consol Delineated Stream</li> <li> Consol Delineated Wetland</li> <li> Environmental Survey Area</li> </ul> | <ul style="list-style-type: none"> <li> Developed, High Intensity</li> <li> Grassland</li> <li> Scrub/Shrub</li> <li> Successional Hardwood Woodland</li> </ul> | <p>Page 5 of 17</p> | <p>Sources:<br/>Imagery (OGRIP)<br/>Road Labels (ODOT)</p>        |  | <p>NOTTINGHAM SOLAR SITE<br/><b>Figure 4. Vegetation Coverage</b></p>                 |
|  |   |                     | <p>Coordinate System:<br/>Ohio State Plane North<br/>NAD 1983</p> |   |  |
|  |   |                     | <p>March 19, 2021</p>   |   |  |



|  |  |   |  |  |   |
|--|--|---|--|--|---|
| <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> WSP Delineated Stream</li> <li><span style="background-color: lightblue; border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Wetland</li> <li><span style="background-color: lightblue; border: 1px solid blue; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Pond</li> <li><span style="border-bottom: 2px solid orange; display: inline-block; width: 15px;"></span> Consol Delineated Stream</li> <li><span style="background-color: lightpurple; border: 1px solid purple; display: inline-block; width: 15px; height: 10px;"></span> Consol Delineated Wetland</li> <li><span style="border: 2px dashed black; display: inline-block; width: 15px; height: 10px;"></span> Environmental Survey Area</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: red; display: inline-block; width: 15px; height: 10px;"></span> Developed, High Intensity</li> <li><span style="background-color: yellow; display: inline-block; width: 15px; height: 10px;"></span> Grassland</li> <li><span style="background-color: orange; display: inline-block; width: 15px; height: 10px;"></span> Scrub/Shrub</li> <li><span style="background-color: lightgreen; display: inline-block; width: 15px; height: 10px;"></span> Successional Hardwood Woodland</li> </ul> | <p>Page 6 of 17</p>   | <p>Sources:<br/>Imagery (OGRIP)<br/>Road Labels (ODOT)</p> |  | <p>NOTTINGHAM SOLAR SITE<br/><b>Figure 4. Vegetation Coverage</b></p> |
|  |  | <p>Coordinate System:<br/>Ohio State Plane North<br/>NAD 1983</p> |  |  |   |
|  |  | <p>March 19, 2021</p>   | <p>N</p>   |  |   |

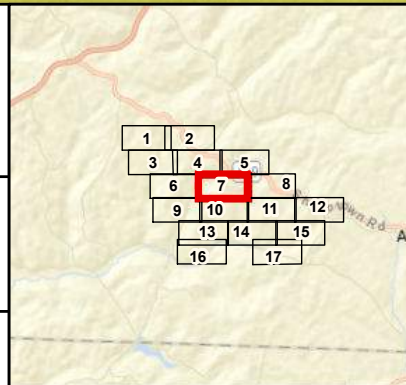


|                           |                                |                     |
|---------------------------|--------------------------------|---------------------|
| WSP Delineated Stream     | Developed, High Intensity      | <b>Page 7 of 17</b> |
| WSP Delineated Wetland    | Grassland                      |                     |
| WSP Delineated Pond       | Scrub/Shrub                    |                     |
| Consol Delineated Stream  | Successional Hardwood Woodland |                     |
| Consol Delineated Wetland |                                |                     |
| Environmental Survey Area |                                |                     |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

March 19, 2021

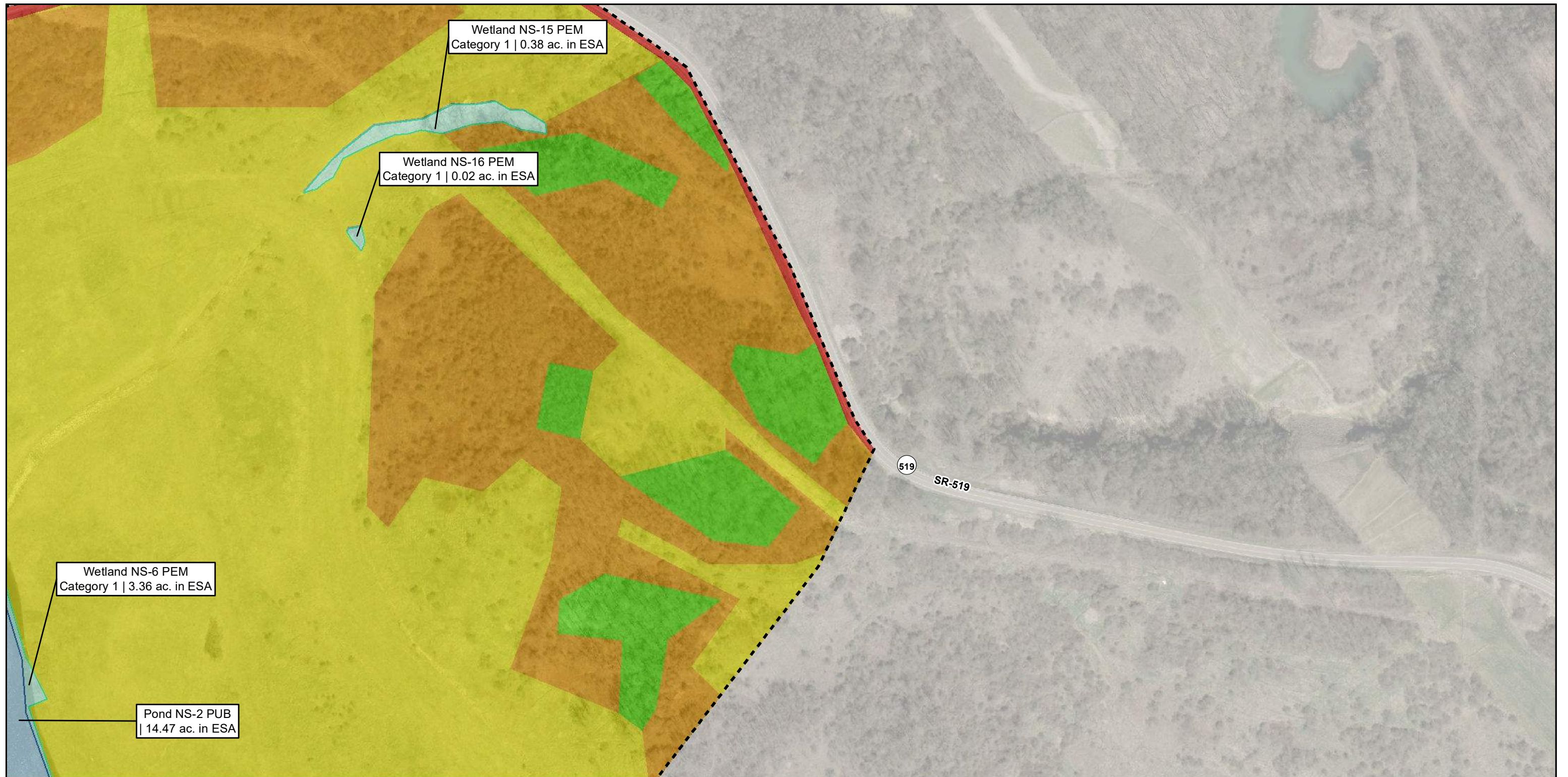


NOTTINGHAM SOLAR SITE

**Figure 4. Vegetation Coverage**

N

0      200      400  
Feet

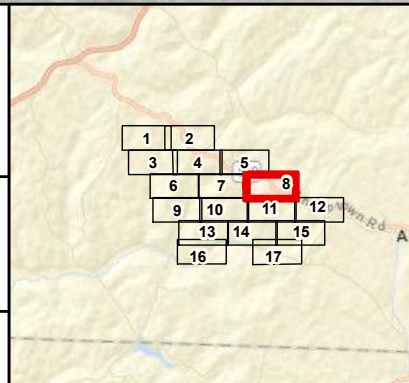


|                           |                                |                     |
|---------------------------|--------------------------------|---------------------|
| WSP Delineated Stream     | Developed, High Intensity      | <b>Page 8 of 17</b> |
| WSP Delineated Wetland    | Grassland                      |                     |
| WSP Delineated Pond       | Scrub/Shrub                    |                     |
| Consol Delineated Stream  | Successional Hardwood Woodland |                     |
| Consol Delineated Wetland |                                |                     |
| Environmental Survey Area |                                |                     |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

March 19, 2021

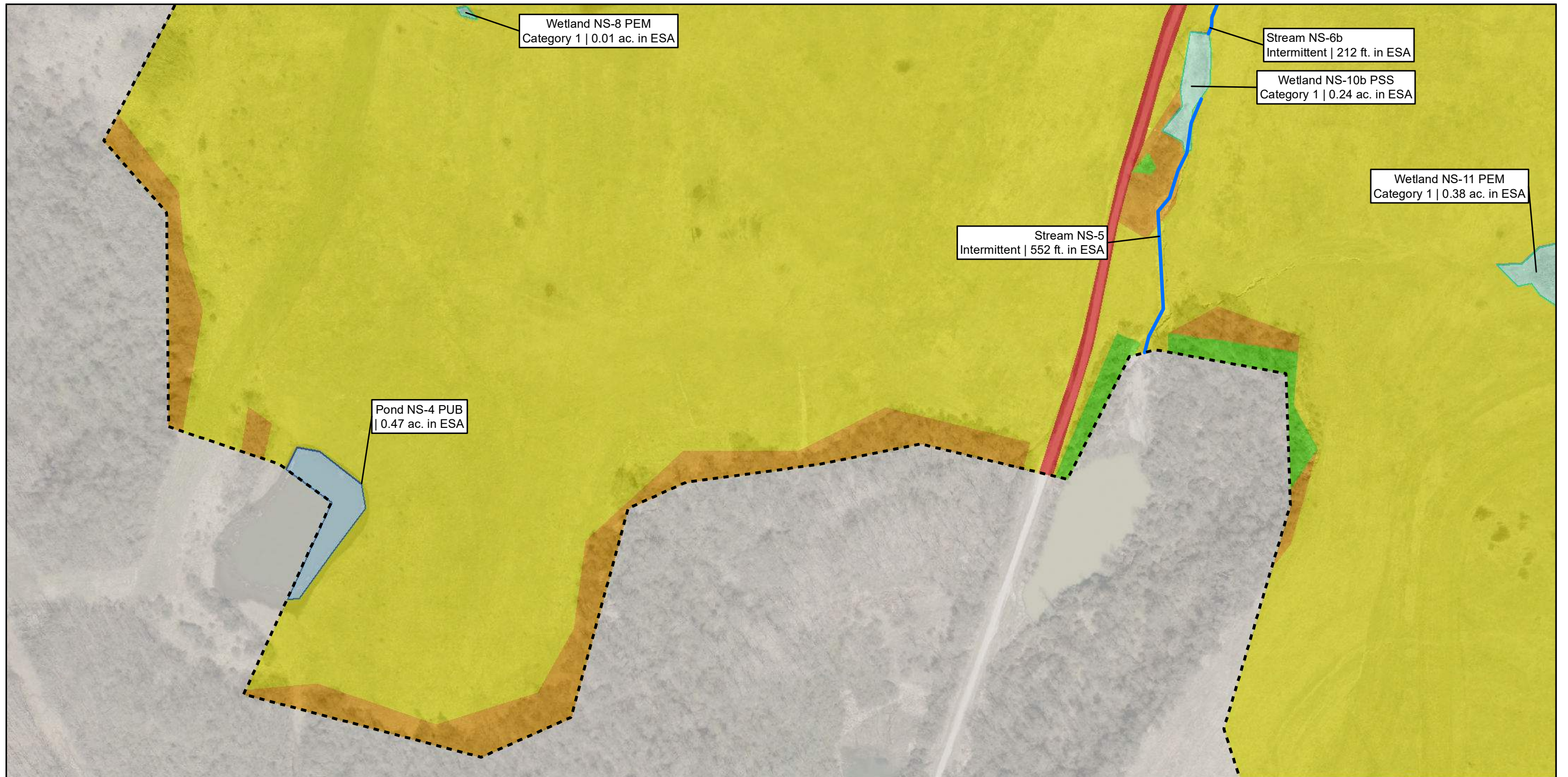


NOTTINGHAM SOLAR SITE

**Figure 4. Vegetation Coverage**

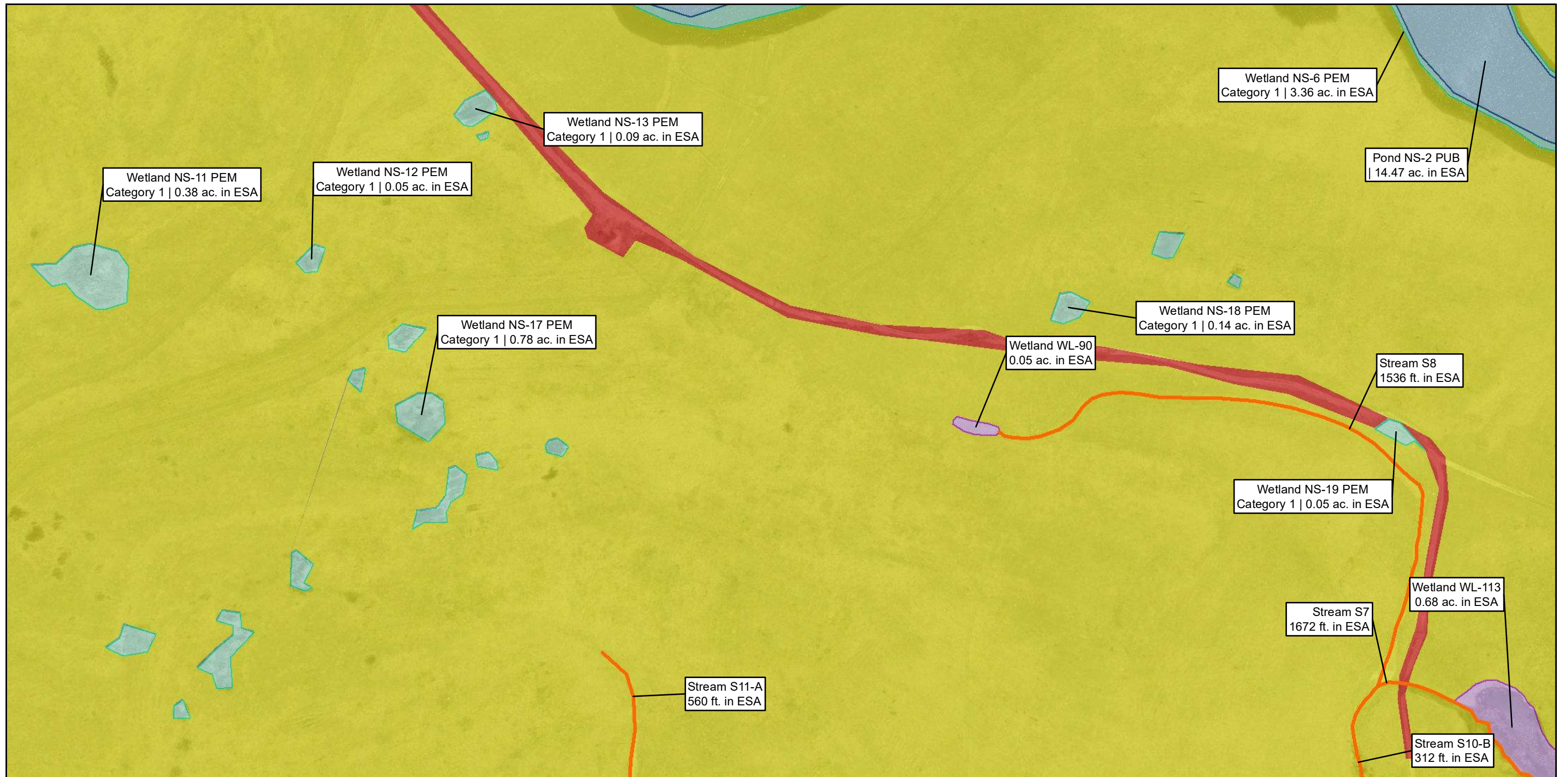
N

0      200      400  
Feet



|   |  |                     |   |  |   |
|---|--|---------------------|---|--|---|
| <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> WSP Delineated Stream</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Pond</li> <li><span style="border-bottom: 2px solid orange; width: 15px; display: inline-block;"></span> Consol Delineated Stream</li> <li><span style="background-color: lightpurple; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Consol Delineated Wetland</li> <li><span style="border: 2px dashed black; display: inline-block; width: 15px; height: 10px;"></span> Environmental Survey Area</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: red; width: 15px; height: 10px; display: inline-block;"></span> Developed, High Intensity</li> <li><span style="background-color: yellow; width: 15px; height: 10px; display: inline-block;"></span> Grassland</li> <li><span style="background-color: orange; width: 15px; height: 10px; display: inline-block;"></span> Scrub/Shrub</li> <li><span style="background-color: lightgreen; width: 15px; height: 10px; display: inline-block;"></span> Successional Hardwood Woodland</li> </ul> | <p>Page 9 of 17</p> | <p>Sources:<br/>Imagery (OGRIP)<br/>Road Labels (ODOT)</p>        |  | <p>NOTTINGHAM SOLAR SITE<br/><b>Figure 4. Vegetation Coverage</b></p> |
|   |  |                     | <p>Coordinate System:<br/>Ohio State Plane North<br/>NAD 1983</p> |  |   |
|   |  |                     | <p>March 19, 2021</p>   |  | <p>N</p>  |





|                           |                                |                      |
|---------------------------|--------------------------------|----------------------|
| WSP Delineated Stream     | Developed, High Intensity      | <b>Page 10 of 17</b> |
| WSP Delineated Wetland    | Grassland                      |                      |
| WSP Delineated Pond       | Scrub/Shrub                    |                      |
| Consol Delineated Stream  | Successional Hardwood Woodland |                      |
| Consol Delineated Wetland |                                |                      |
| Environmental Survey Area |                                |                      |

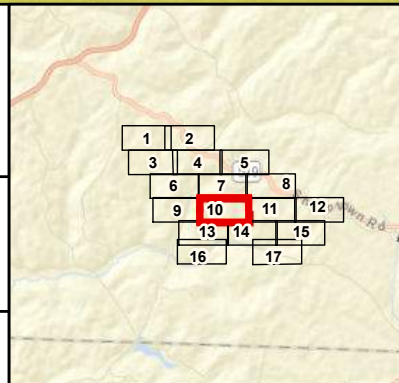
Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

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Coordinate System:  
Ohio State Plane North  
NAD 1983

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March 19, 2021



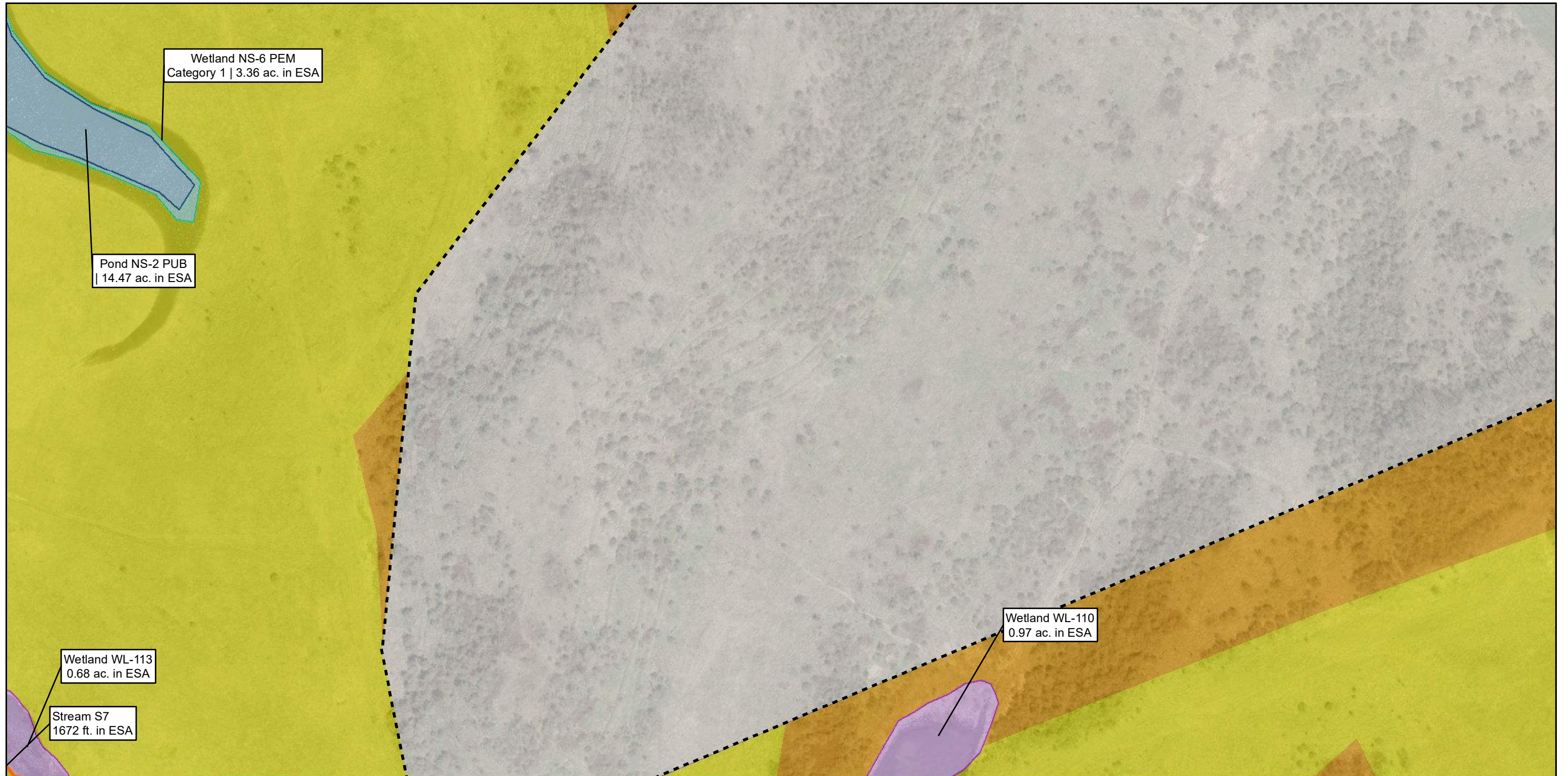
NOTTINGHAM SOLAR SITE

**Figure 4. Vegetation Coverage**

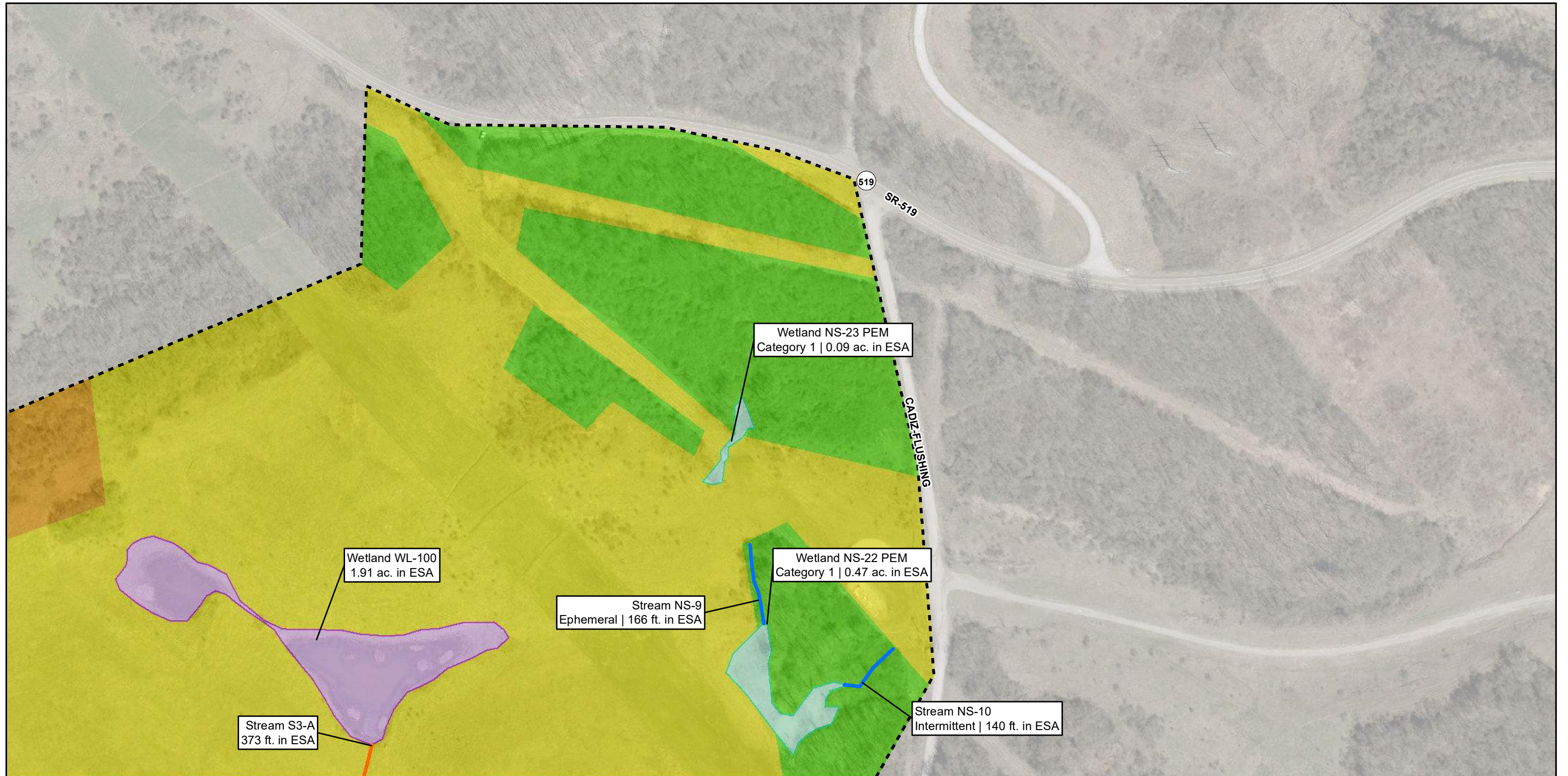
---

N

0      200      400  
Feet



|   |  |   |  |  |  |
|---|--|---|--|--|--|
| <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> WSP Delineated Stream</li> <li><span style="background-color: cyan; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Pond</li> <li><span style="border-bottom: 2px solid orange; width: 15px; display: inline-block;"></span> Consol Delineated Stream</li> <li><span style="background-color: purple; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Consol Delineated Wetland</li> <li><span style="border: 2px dashed black; display: inline-block; width: 15px; height: 10px;"></span> Environmental Survey Area</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: red; display: inline-block; width: 15px; height: 10px;"></span> Developed, High Intensity</li> <li><span style="background-color: yellow; display: inline-block; width: 15px; height: 10px;"></span> Grassland</li> <li><span style="background-color: orange; display: inline-block; width: 15px; height: 10px;"></span> Scrub/Shrub</li> <li><span style="background-color: lightgreen; display: inline-block; width: 15px; height: 10px;"></span> Successional Hardwood Woodland</li> </ul> | <p>Page 11 of 17</p>  | <p>Sources:<br/>Imagery (OGRIP)<br/>Road Labels (ODOT)</p> |  | <p>NOTTINGHAM SOLAR SITE</p> <p><b>Figure 4. Vegetation Coverage</b></p> |
|   |  | <p>Coordinate System:<br/>Ohio State Plane North<br/>NAD 1983</p> |  |  |  |
|   |  | <p>March 19, 2021</p>   |  |  |  |

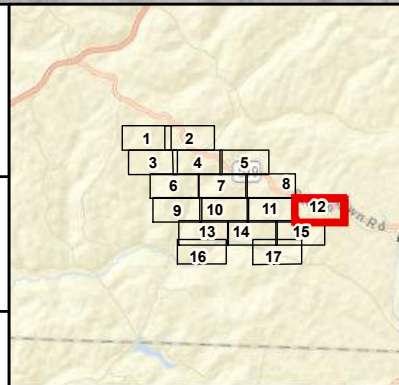


|                           |                                |                      |
|---------------------------|--------------------------------|----------------------|
| WSP Delineated Stream     | Developed, High Intensity      | <b>Page 12 of 17</b> |
| WSP Delineated Wetland    | Grassland                      |                      |
| WSP Delineated Pond       | Scrub/Shrub                    |                      |
| Consol Delineated Stream  | Successional Hardwood Woodland |                      |
| Consol Delineated Wetland |                                |                      |
| Environmental Survey Area |                                |                      |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

March 19, 2021

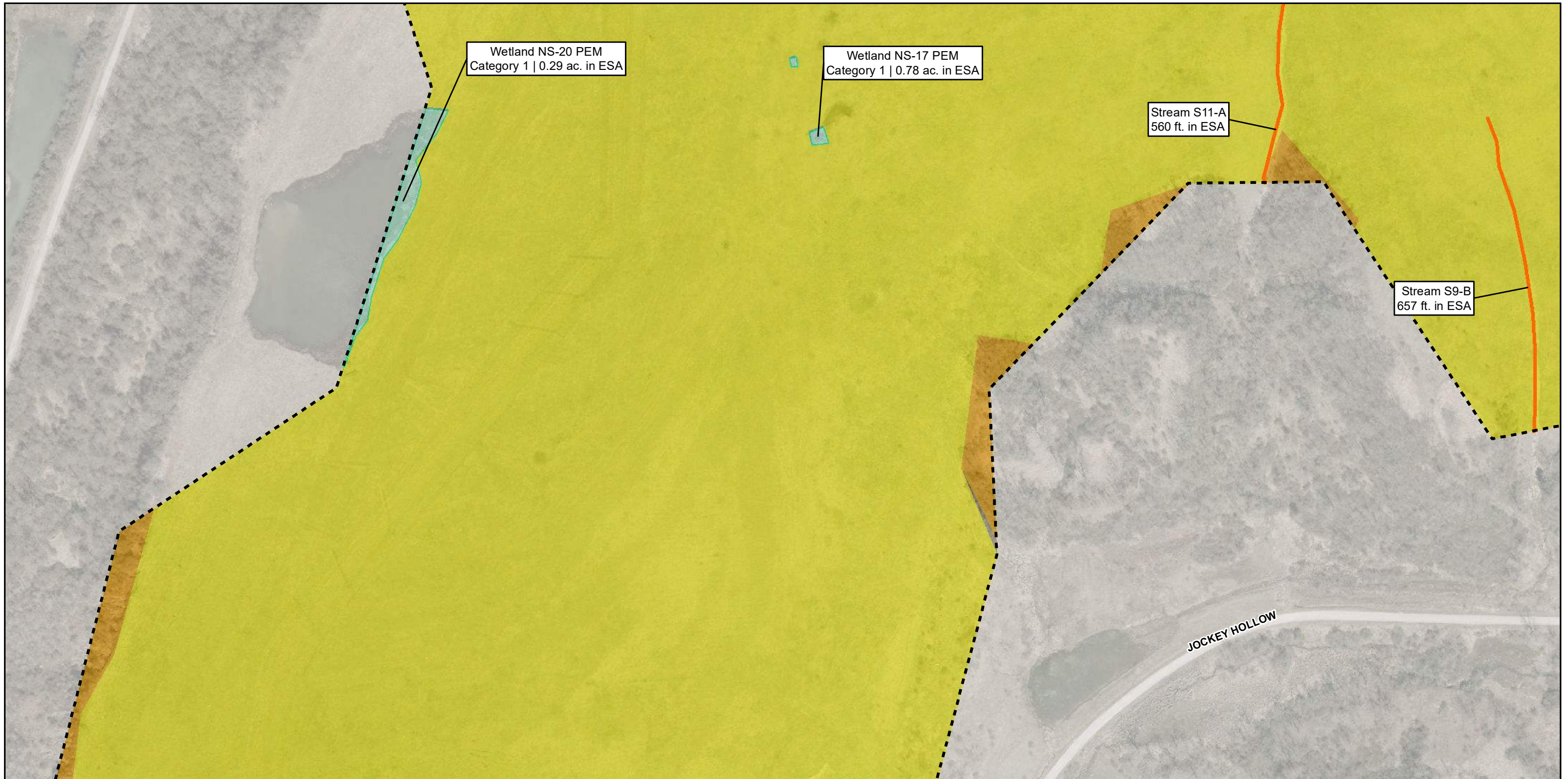


NOTTINGHAM SOLAR SITE

**Figure 4. Vegetation Coverage**

N

0      200      400  
Feet

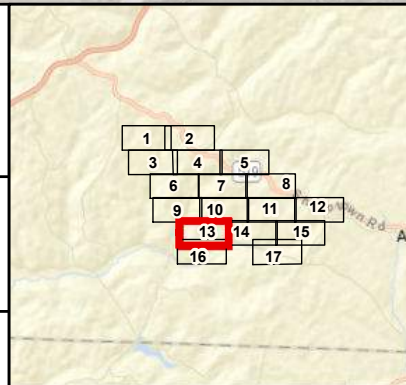


|                           |                                |                      |
|---------------------------|--------------------------------|----------------------|
| WSP Delineated Stream     | Developed, High Intensity      | <b>Page 13 of 17</b> |
| WSP Delineated Wetland    | Grassland                      |                      |
| WSP Delineated Pond       | Scrub/Shrub                    |                      |
| Consol Delineated Stream  | Successional Hardwood Woodland |                      |
| Consol Delineated Wetland |                                |                      |
| Environmental Survey Area |                                |                      |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

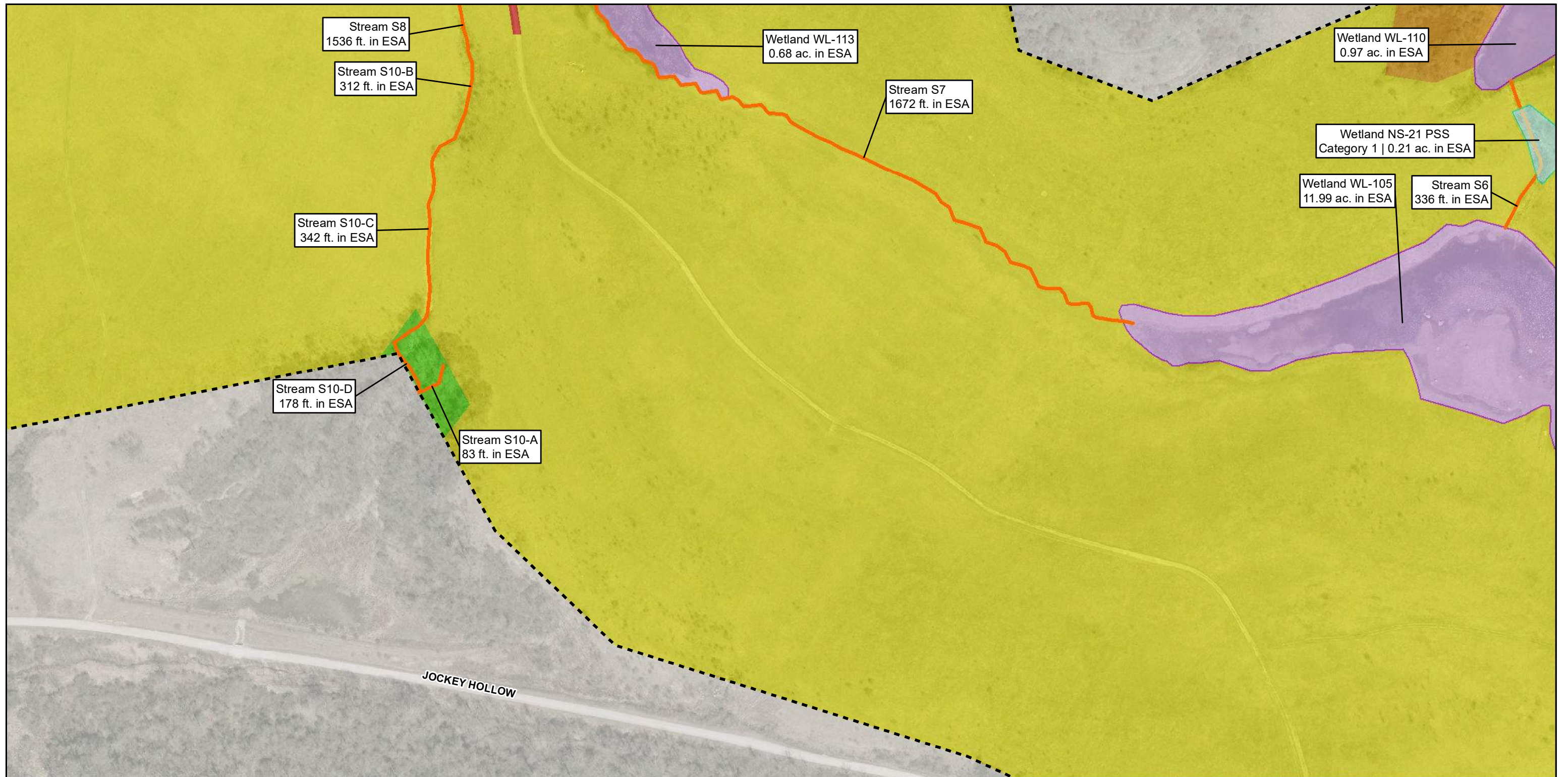
Coordinate System:  
Ohio State Plane North  
NAD 1983

March 19, 2021

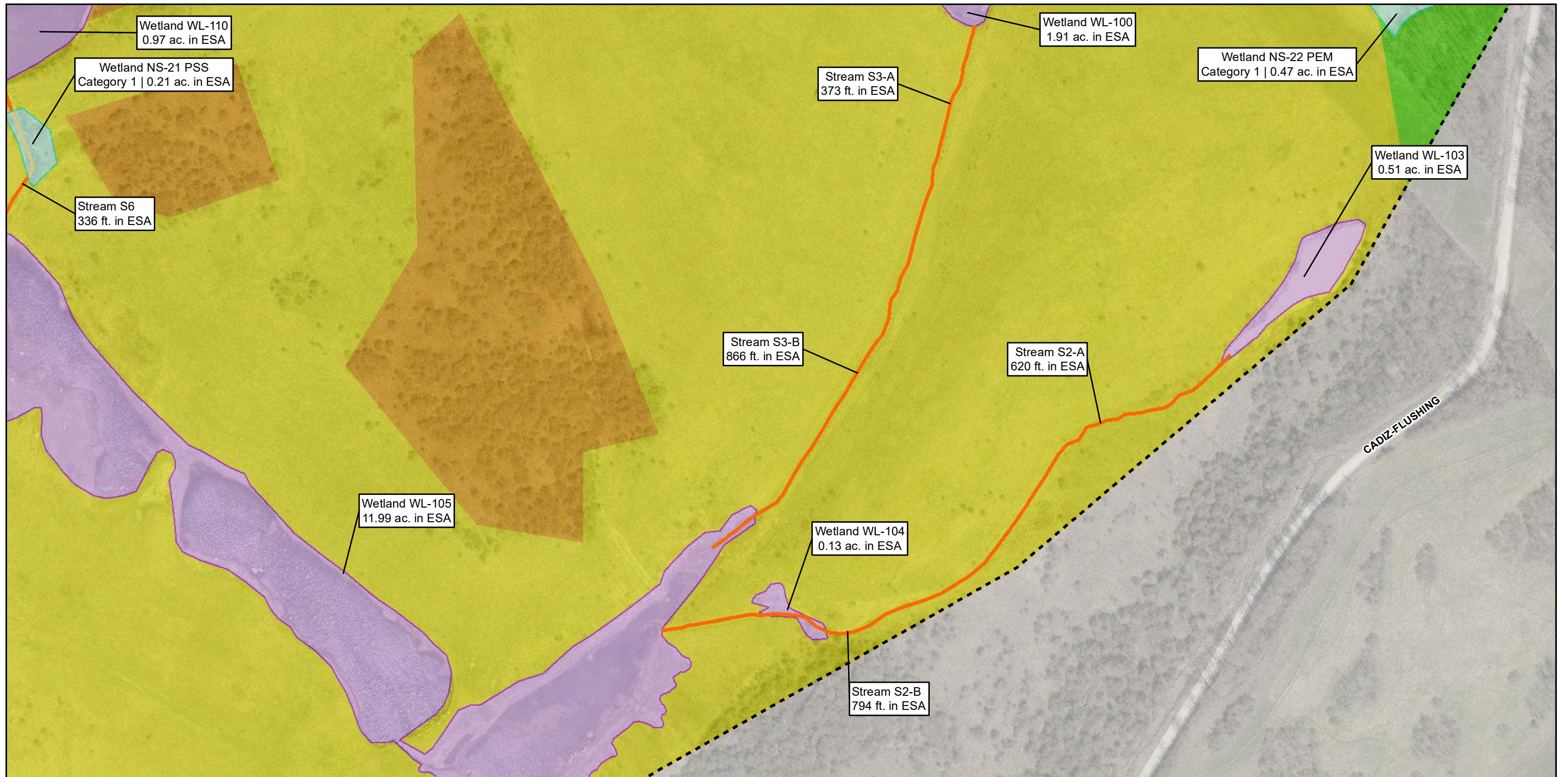


NOTTINGHAM SOLAR SITE

**Figure 4. Vegetation Coverage**



|  |  |                      |   |  |   |
|--|--|----------------------|---|--|---|
| <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> WSP Delineated Stream</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Pond</li> <li><span style="color: orange;">—</span> Consol Delineated Stream</li> <li><span style="background-color: lightpurple; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Consol Delineated Wetland</li> <li><span style="border: 2px dashed black; display: inline-block; width: 15px; height: 10px;"></span> Environmental Survey Area</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: red; display: inline-block; width: 15px; height: 10px;"></span> Developed, High Intensity</li> <li><span style="background-color: yellow; display: inline-block; width: 15px; height: 10px;"></span> Grassland</li> <li><span style="background-color: orange; display: inline-block; width: 15px; height: 10px;"></span> Scrub/Shrub</li> <li><span style="background-color: lightgreen; display: inline-block; width: 15px; height: 10px;"></span> Successional Hardwood Woodland</li> </ul> | <p>Page 14 of 17</p> | <p>Sources:<br/>Imagery (OGRIP)<br/>Road Labels (ODOT)</p>        |  | <p>NOTTINGHAM SOLAR SITE<br/><b>Figure 4. Vegetation Coverage</b></p> |
|  |  |                      | <p>Coordinate System:<br/>Ohio State Plane North<br/>NAD 1983</p> |  |   |
|  |  |                      | <p>March 19, 2021</p>   |  | <p>N</p>  |



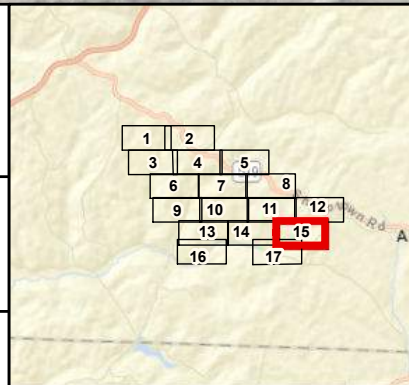
**Page 15 of 17**

|                           |                                |
|---------------------------|--------------------------------|
| WSP Delineated Stream     | Developed, High Intensity      |
| WSP Delineated Wetland    | Grassland                      |
| WSP Delineated Pond       | Scrub/Shrub                    |
| Consol Delineated Stream  | Successional Hardwood Woodland |
| Consol Delineated Wetland |                                |
| Environmental Survey Area |                                |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

Coordinate System:  
Ohio State Plane North  
NAD 1983

March 19, 2021

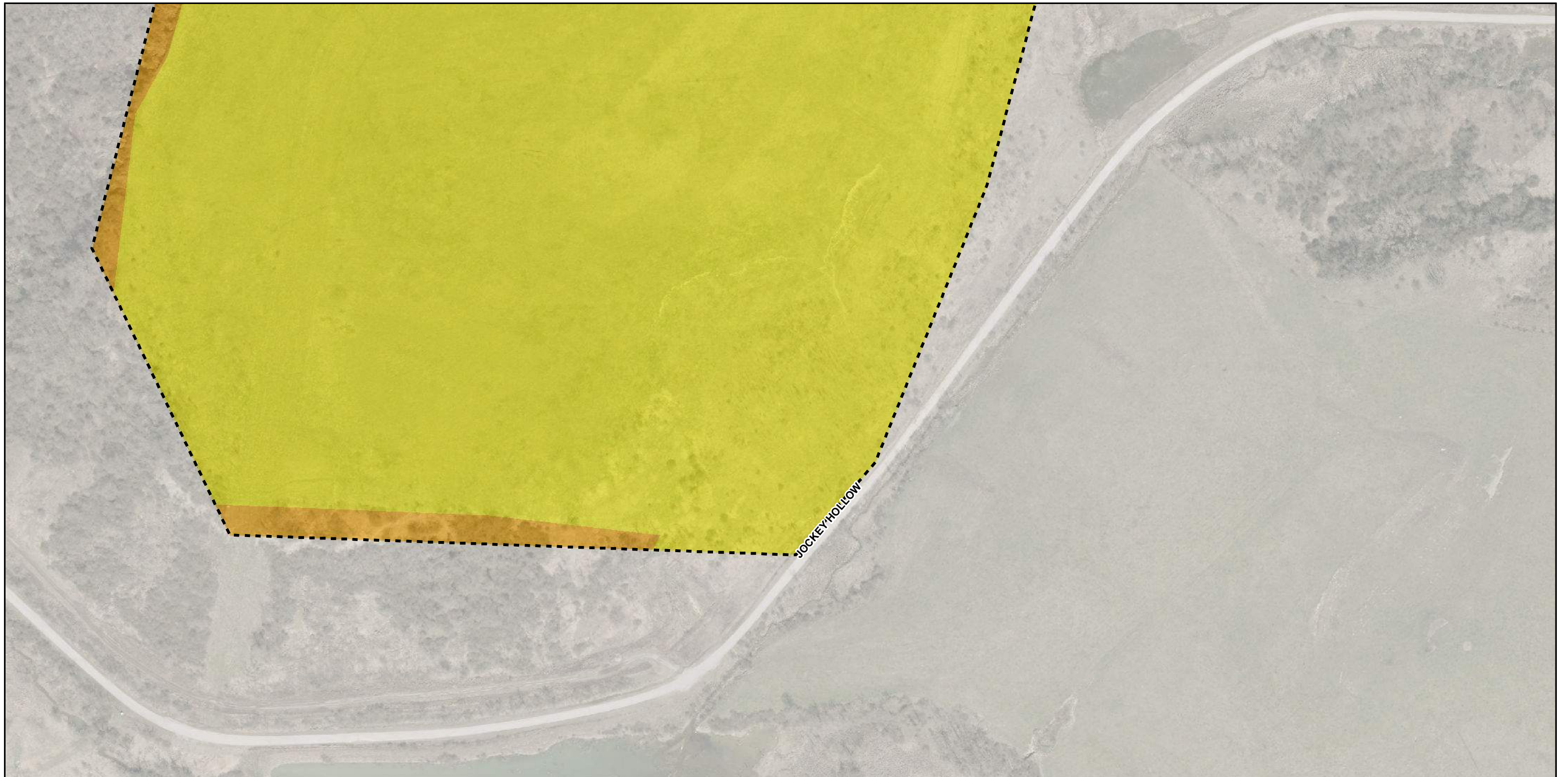


NOTTINGHAM SOLAR SITE

**Figure 4. Vegetation Coverage**

N

0 200 400 Feet

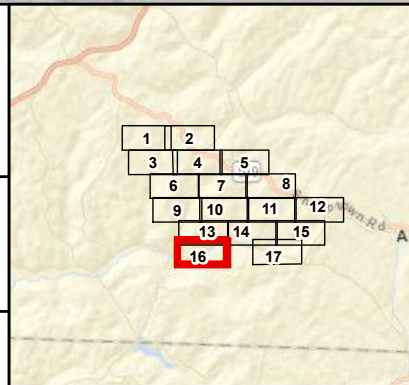


|                           |                                |                      |
|---------------------------|--------------------------------|----------------------|
| WSP Delineated Stream     | Developed, High Intensity      | <b>Page 16 of 17</b> |
| WSP Delineated Wetland    | Grassland                      |                      |
| WSP Delineated Pond       | Scrub/Shrub                    |                      |
| Consol Delineated Stream  | Successional Hardwood Woodland |                      |
| Consol Delineated Wetland |                                |                      |
| Environmental Survey Area |                                |                      |

Sources:  
Imagery (OGRIP)  
Road Labels (ODOT)

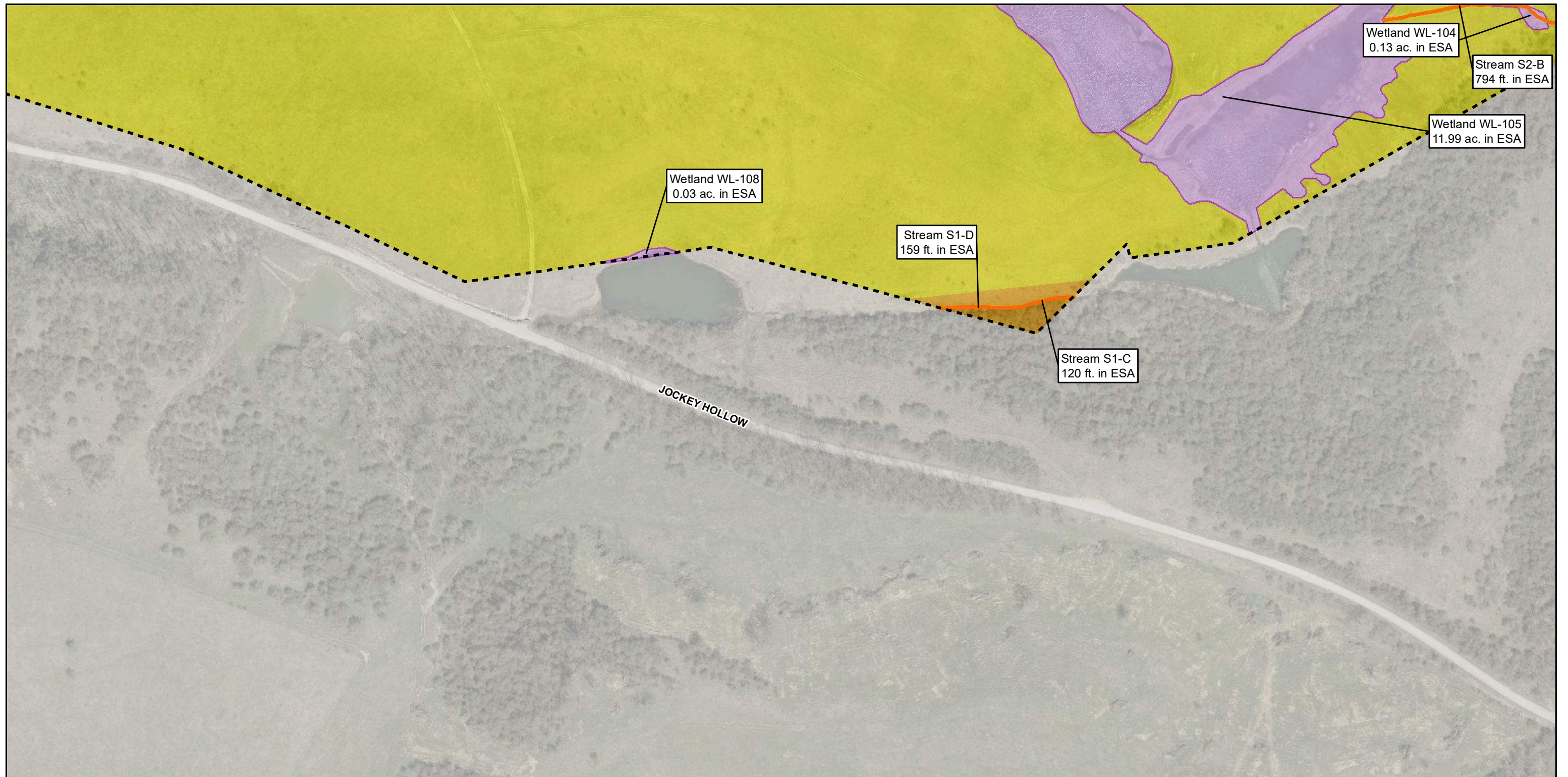
Coordinate System:  
Ohio State Plane North  
NAD 1983

March 19, 2021



NOTTINGHAM SOLAR SITE

**Figure 4. Vegetation Coverage**



|   |  |                      |   |  |   |
|---|--|----------------------|---|--|---|
| <ul style="list-style-type: none"> <li><span style="color: blue;">—</span> WSP Delineated Stream</li> <li><span style="background-color: cyan; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> WSP Delineated Pond</li> <li><span style="border-bottom: 2px solid orange; display: inline-block; width: 15px;"></span> Consol Delineated Stream</li> <li><span style="background-color: purple; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Consol Delineated Wetland</li> <li><span style="border: 2px dashed black; display: inline-block; width: 15px; height: 10px;"></span> Environmental Survey Area</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: red; display: inline-block; width: 15px; height: 10px;"></span> Developed, High Intensity</li> <li><span style="background-color: yellow; display: inline-block; width: 15px; height: 10px;"></span> Grassland</li> <li><span style="background-color: orange; display: inline-block; width: 15px; height: 10px;"></span> Scrub/Shrub</li> <li><span style="background-color: lightgreen; display: inline-block; width: 15px; height: 10px;"></span> Successional Hardwood Woodland</li> </ul> | <p>Page 17 of 17</p> | <p>Sources:<br/>Imagery (OGRIP)<br/>Road Labels (ODOT)</p>        |  | <p>NOTTINGHAM SOLAR SITE<br/><b>Figure 4. Vegetation Coverage</b></p> |
|   |  |                      | <p>Coordinate System:<br/>Ohio State Plane North<br/>NAD 1983</p> |  |   |
|   |  |                      | <p>March 19, 2021</p>   |  | <p>N</p>  |



# **APPENDIX B**

## **REFERENCE TABLES**

**TABLE 1: WETLANDS DELINEATED WITHIN THE NOTTINGHAM SOLAR SITE ESA**

| WETLAND ID     | LOCATION  |            | COWARDIN CLASS. <sup>2</sup> | DELINEATED AREA <sup>3</sup> (acres) | ORAM  |            | JURISDICTIONAL? <sup>4</sup> | PROXIMAL WATERBODY |
|----------------|-----------|------------|------------------------------|--------------------------------------|-------|------------|------------------------------|--------------------|
|                | LAT.      | LON.       |                              |                                      | SCORE | CATEGORY   |                              |                    |
| Wetland NS-1a  | 40.201915 | -81.074797 | PFO                          | 0.31                                 | 27    | Category 1 | No                           | Isolated           |
| Wetland NS-1b  | 40.200407 | -81.074876 | PEM                          | 0.78                                 | 27    | Category 1 | No                           | Isolated           |
| Wetland NS-2   | 40.199464 | -81.077375 | PEM                          | 0.70                                 | 29    | Category 1 | Yes                          | UNT to Bogg's Fork |
| Wetland NS-3   | 40.196131 | -81.072990 | PEM                          | 0.01                                 | 20    | Category 1 | No                           | Isolated           |
| Wetland NS-4   | 40.198866 | -81.068274 | PEM                          | 0.07                                 | 17    | Category 1 | No                           | Isolated           |
| Wetland NS-5   | 40.198473 | -81.066986 | PEM                          | 0.01                                 | 17    | Category 1 | No                           | Isolated           |
| Wetland NS-6   | 40.192186 | -81.060557 | PEM                          | 3.36                                 | 28    | Category 1 | No                           | Isolated           |
| Wetland NS-7   | 40.196273 | -81.062930 | PSS                          | 0.23                                 | 23    | Category 1 | No                           | Isolated           |
| Wetland NS-8   | 40.192281 | -81.073807 | PEM                          | 0.01                                 | 20    | Category 1 | No                           | Isolated           |
| Wetland NS-9   | 40.193648 | -81.067677 | PEM                          | 0.54                                 | 18    | Category 1 | Yes                          | Stream NS-7        |
| Wetland NS-10a | 40.193522 | -81.067190 | PEM                          | 0.10                                 | 21    | Category 1 | Yes                          | Stream NS-6a       |
| Wetland NS-10b | 40.191856 | -81.068369 | PSS                          | 0.24                                 | 21    | Category 1 | Yes                          | Stream NS-5        |
| Wetland NS-11  | 40.190646 | -81.065571 | PEM                          | 0.38                                 | 17    | Category 1 | No                           | Isolated           |
| Wetland NS-12  | 40.190772 | -81.064109 | PEM                          | 0.05                                 | 20    | Category 1 | No                           | Isolated           |
| Wetland NS-13  | 40.191573 | -81.062805 | PEM                          | 0.09                                 | 20    | Category 1 | No                           | Isolated           |
| Wetland NS-14a | 40.196042 | -81.059788 | PEM                          | 0.43                                 | 18    | Category 1 | No                           | Isolated           |
| Wetland NS-14b | 40.195982 | -81.059824 | PSS                          | 0.03                                 | 18    | Category 1 | No                           | Isolated           |
| Wetland NS-15  | 40.195572 | -81.052588 | PEM                          | 0.38                                 | 20    | Category 1 | No                           | Isolated           |
| Wetland NS-16  | 40.194941 | -81.052897 | PEM                          | 0.02                                 | 20    | Category 1 | No                           | Isolated           |

**TABLE 1: WETLANDS DELINEATED WITHIN THE NOTTINGHAM SOLAR SITE ESA**

| WETLAND ID                  | LOCATION  |            | COWARDIN CLASS. <sup>2</sup> | DELINEATED AREA <sup>3</sup> (acres) | ORAM            |            | JURISDICTIONAL? <sup>4</sup> | PROXIMAL WATERBODY |
|-----------------------------|-----------|------------|------------------------------|--------------------------------------|-----------------|------------|------------------------------|--------------------|
|                             | LAT.      | LON.       |                              |                                      | SCORE           | CATEGORY   |                              |                    |
| Wetland NS-17               | 40.189829 | -81.063386 | PEM                          | 0.78                                 | 20              | Category 1 | No                           | Isolated           |
| Wetland NS-18               | 40.190367 | -81.058456 | PEM                          | 0.14                                 | 19              | Category 1 | No                           | Isolated           |
| Wetland NS-19               | 40.189689 | -81.056207 | PEM                          | 0.05                                 | 20              | Category 1 | No                           | Isolated           |
| Wetland NS-20               | 40.186197 | -81.068783 | PEM                          | 1.36                                 | 24              | Category 1 | Yes                          | UNT to Bogg's Fork |
| Wetland NS-24               | 40.189722 | -81.068929 | PEM                          | 0.26                                 | 34              | Category 2 | Yes                          | Stream NS-5        |
| Wetland NS-25               | 40.190914 | -81.046297 | PEM                          | 0.03                                 | 26              | Category 1 | No                           | Isolated           |
| Wetland NS-26               | 40.187103 | -81.048487 | PSS                          | 0.21                                 | 21              | Category 1 | Yes                          | Stream S6          |
| Wetland NS-28               | 40.188146 | -81.038739 | PEM                          | 0.47                                 | 29              | Category 1 | Yes                          | Stream NS-9        |
| Wetland NS-27               | 40.189398 | -81.038836 | PEM                          | 0.09                                 | 25              | Category 1 | Yes                          | Stream S2-A        |
| Wetland WL-17 <sup>1</sup>  | 40.203853 | -81.072136 | PEM                          | 0.44                                 | 36              | Category 2 | Yes                          | NI                 |
| Wetland WL-19 <sup>1</sup>  | 40.202473 | -81.078584 | PEM                          | 1.81                                 | 24 <sup>5</sup> | Category 1 | Yes                          | NI                 |
| Wetland WL-35 <sup>1</sup>  | 40.200641 | -81.070447 | PEM                          | 3.03                                 | 36              | Category 2 | Yes                          | NI                 |
| Wetland WL-90 <sup>1</sup>  | 40.189719 | -81.059239 | PEM                          | 0.05                                 | 27              | Category 1 | Yes                          | NI                 |
| Wetland WL-100              | 40.187980 | -81.041632 | PEM                          | 1.91                                 | 37              | Category 2 | Yes                          | NI                 |
| Wetland WL-103              | 40.186233 | -81.039169 | PEM                          | 0.51                                 | 34              | Category 2 | Yes                          | NI                 |
| Wetland WL-104              | 40.184436 | -81.043077 | PEM                          | 0.13                                 | 27.5            | Category 1 | Yes                          | NI                 |
| Wetland WL-105 <sup>1</sup> | 40.183700 | -81.046141 | PEM                          | 12.50                                | 37              | Category 2 | Yes                          | NI                 |
| Wetland WL-108 <sup>1</sup> | 40.183019 | -81.049330 | PEM                          | 0.03                                 | 34              | Category 2 | Yes                          | NI                 |

**TABLE 1: WETLANDS DELINEATED WITHIN THE NOTTINGHAM SOLAR SITE ESA**

| WETLAND ID                  | LOCATION  |            | COWARDIN CLASS. <sup>2</sup> | DELINEATED AREA <sup>3</sup> (acres) | ORAM            |            | JURISDICTIONAL? <sup>4</sup> | PROXIMAL WATERBODY |
|-----------------------------|-----------|------------|------------------------------|--------------------------------------|-----------------|------------|------------------------------|--------------------|
|                             | LAT.      | LON.       |                              |                                      | SCORE           | CATEGORY   |                              |                    |
| Wetland WL-110              | 40.187712 | -81.048626 | PEM                          | 0.97                                 | 35              | Category 2 | Yes                          | NI                 |
| Wetland WL-113 <sup>1</sup> | 40.187958 | -81.055313 | PEM                          | 0.68                                 | 35              | Category 2 | Yes                          | NI                 |
| Wetland WL-129 <sup>1</sup> | 40.184652 | -81.057762 | PEM                          | 0.31                                 | 36              | Category 2 | Yes                          | Stream S10-D       |
| Wetland WL-133 <sup>1</sup> | 40.195906 | -81.071874 | PEM                          | 3.05                                 | 24 <sup>5</sup> | Category 1 | Yes                          | NI                 |

Sum of PEM Wetland Areas 34.22

Sum of PSS Wetland Areas 0.71

Sum of PFO Wetland Areas 0.31

Sum of PUB Wetland Areas 0.00

Total Wetland Area 36.55

<sup>1</sup> Indicates that the wetland was delineated and assessed by GPD. Data was gathered from the fifth-year mitigation monitoring report and shapefiles provided by GPD.

<sup>2</sup> PEM = palustrine emergent, PSS = palustrine scrub/shrub, PFO = palustrine forested;

<sup>3</sup> Acreages reflect the area delineated within the ESA and are approximate based on GPS data and are rounded to the nearest 0.01-acre.

<sup>4</sup> All wetlands delineated by GPD have been assumed to be jurisdictional due to their involvement in an ongoing USACE Section 404 wetland mitigation monitoring effort.

<sup>5</sup> ORAM scores were not provided by GPD. WSP completed these ORAM evaluations based on field observations. Completed ORAM forms are included in Appendix D.

**TABLE 2: STREAMS DELINEATED WITHIN THE NOTTINGHAM SOLAR SITE ESA**

| STREAM ID    | LOCATION  |            | STREAM NAME       | STREAM TYPE  | DELINEATED LENGTH <sup>2</sup> (feet) | BANKFULL WIDTH (feet) | OHWM WIDTH (feet) | FIELD EVALUATION |       |   | WOUS? <sup>3</sup> | OHIO EPA 401 ELIGIBILITY |
|--------------|-----------|------------|-------------------|--------------|---------------------------------------|-----------------------|-------------------|------------------|-------|---|--------------------|--------------------------|
|              | LAT.      | LON.       |                   |              |                                       |                       |                   | METHOD           | SCORE | DESIGNATION                                 |                    |                          |
| Stream NS-1  | 40.198578 | -81.067271 | NA                | Ephemeral    | 140                                   | 2.5                   | 1.5               | HHEI             | 24    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |
| Stream NS-2  | 40.196960 | -81.065558 | NA                | Ephemeral    | 597                                   | 5.0                   | 2.0               | HHEI             | 36    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |
| Stream NS-3  | 40.197031 | -81.062132 | NA                | Ephemeral    | 651                                   | 3.5                   | 1.5               | HHEI             | 19    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |
| Stream NS-4  | 40.197626 | -81.061275 | NA                | Ephemeral    | 178                                   | 2.5                   | 1.0               | HHEI             | 20    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |
| Stream NS-5  | 40.190321 | -81.068770 | UNT to Boggs Fork | Intermittent | 655                                   | 12.0                  | 2.5               | HHEI             | 26    | Modified, Small Drainage, Warmwater Streams | Yes                | Eligible                 |
| Stream NS-6a | 40.194128 | -81.066296 | UNT to Boggs Fork | Ephemeral    | 904                                   | 3.0                   | 1.5               | HHEI             | 25    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |
| Stream NS-6b | 40.192439 | -81.068176 | UNT to Boggs Fork | Ephemeral    | 212                                   | 4.0                   | 2.0               | HHEI             | 25    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |
| Stream NS-7  | 40.192701 | -81.068080 | UNT to Boggs Fork | Ephemeral    | 27                                    | 3.0                   | 1.5               | HHEI             | 19    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |

**TABLE 2: STREAMS DELINEATED WITHIN THE NOTTINGHAM SOLAR SITE ESA**

| STREAM ID                | LOCATION  |            | STREAM NAME       | STREAM TYPE  | DELINEATED LENGTH <sup>2</sup> (feet) | BANKFULL WIDTH (feet) | OHWM WIDTH (feet) | FIELD EVALUATION |       |   | WOUS? <sup>3</sup> | OHIO EPA 401 ELIGIBILITY |
|--------------------------|-----------|------------|-------------------|--------------|---------------------------------------|-----------------------|-------------------|------------------|-------|---|--------------------|--------------------------|
|                          | LAT.      | LON.       |                   |              |                                       |                       |                   | METHOD           | SCORE | DESIGNATION                                 |                    |                          |
| Stream NS-8              | 40.194580 | -81.066105 | UNT to Boggs Fork | Ephemeral    | 367                                   | 2.0                   | 1.0               | HHEI             | 19    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |
| Stream NS-9              | 40.188479 | -81.038716 | UNT to Boggs Fork | Ephemeral    | 166                                   | 7.0                   | 2.5               | HHEI             | 19    | Modified, Small Drainage, Warmwater Streams | No                 | Eligible                 |
| Stream NS-10             | 40.187992 | -81.037903 | UNT to Boggs Fork | Intermittent | 140                                   | 12.0                  | 2.5               | HHEI             | 25    | Modified, Small Drainage, Warmwater Streams | Yes                | Eligible                 |
| Stream S1-C <sup>1</sup> | 40.182741 | -81.046034 | UNT to Boggs Fork | NI           | 233                                   | 5.0                   | NI                | QHEI             | 41.5  | Poor Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S1-D <sup>1</sup> | 40.182663 | -81.047604 | UNT to Boggs Fork | NI           | 562                                   | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S2-A              | 40.185421 | -81.040510 | UNT to Boggs Fork | NI           | 620                                   | 3.0                   | NI                | QHEI             | 27.5  | Poor Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S2-B              | 40.184315 | -81.043499 | UNT to Boggs Fork | NI           | 794                                   | 2.5                   | NI                | QHEI             | 28.5  | Poor Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S3-A              | 40.187089 | -81.041807 | UNT to Boggs Fork | NI           | 373                                   | 3.0                   | NI                | QHEI             | 33    | Poor Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S3-B              | 40.186555 | -81.042005 | UNT to Boggs Fork | NI           | 866                                   | 3.5                   | NI                | QHEI             | 34    | Poor Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S-6               | 40.186784 | -81.048665 | UNT to Boggs Fork | NI           | 336                                   | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S-7 <sup>1</sup>  | 40.188180 | -81.056040 | UNT to Boggs Fork | NI           | 1,672                                 | 4.5                   | NI                | QHEI             | 34.5  | Poor Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S-8 <sup>1</sup>  | 40.189845 | -81.057182 | UNT to Boggs Fork | NI           | 1,536                                 | 3.5                   | NI                | QHEI             | 35    | Poor Warmwater Habitat                      | Yes                | Eligible                 |

**TABLE 2: STREAMS DELINEATED WITHIN THE NOTTINGHAM SOLAR SITE ESA**

| STREAM ID                 | LOCATION  |            | STREAM NAME       | STREAM TYPE | DELINEATED LENGTH <sup>2</sup> (feet) | BANKFULL WIDTH (feet) | OHWM WIDTH (feet) | FIELD EVALUATION |       |   | WOUS? <sup>3</sup> | OHIO EPA 401 ELIGIBILITY |
|---------------------------|-----------|------------|-------------------|-------------|---------------------------------------|-----------------------|-------------------|------------------|-------|---|--------------------|--------------------------|
|                           | LAT.      | LON.       |                   |             |                                       |                       |                   | METHOD           | SCORE | DESIGNATION                                 |                    |                          |
| Stream S-9A <sup>1</sup>  | 40.185454 | -81.059818 | UNT to Boggs Fork | NI          | 165                                   | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S-9B <sup>1</sup>  | 40.186033 | -81.059997 | UNT to Boggs Fork | NI          | 862                                   | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S-9C <sup>1</sup>  | 40.186201 | -81.060006 | UNT to Boggs Fork | NI          | 73                                    | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S10-A <sup>1</sup> | 40.185812 | -81.056707 | UNT to Boggs Fork | NI          | 86                                    | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S10-B <sup>1</sup> | 40.187394 | -81.056540 | UNT to Boggs Fork | NI          | 312                                   | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S10-C <sup>1</sup> | 40.186878 | -81.056726 | UNT to Boggs Fork | NI          | 342                                   | 10.0                  | NI                | QHEI             | 41    | Poor Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S10-D <sup>1</sup> | 40.186074 | -81.056944 | UNT to Boggs Fork | NI          | 463                                   | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S11-A <sup>1</sup> | 40.187918 | -81.061799 | UNT to Boggs Fork | NI          | 863                                   | NI                    | NI                | NI               | NI    | NI  | Yes                | Eligible                 |
| Stream S-18 <sup>1</sup>  | 40.202980 | -81.072006 | UNT to Boggs Fork | NI          | 524                                   | 5.0                   | NI                | QHEI             | 38    | Poor Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S24-A <sup>1</sup> | 40.203789 | -81.073553 | UNT to Boggs Fork | NI          | 180                                   | 2.5                   | NI                | HHEI             | 13    | Modified, Small Drainage, Warmwater Streams | Yes                | Eligible                 |
| Stream S24-B <sup>1</sup> | 40.202456 | -81.073958 | UNT to Boggs Fork | NI          | 773                                   | 9.5                   | NI                | QHEI             | 47.5  | Fair Warmwater Habitat                      | Yes                | Eligible                 |
| Stream S26-C <sup>1</sup> | 40.203599 | -81.081382 | UNT to Boggs Fork | NI          | 706                                   | 3.0                   | NI                | HHEI             | 41    | Modified, Small Drainage, Warmwater Streams | Yes                | Eligible                 |

Sum of Ephemeral Stream Lengths 3,141

Sum of Intermittent Stream Lengths 795

**TABLE 2: STREAMS DELINEATED WITHIN THE NOTTINGHAM SOLAR SITE ESA**

| STREAM ID | LOCATION |      | STREAM NAME | STREAM TYPE | DELINEATED LENGTH <sup>2</sup> (feet) | BANKFULL WIDTH (feet) | OHWM WIDTH (feet) | FIELD EVALUATION |       |             | WOUS? <sup>3</sup> | OHIO EPA 401 ELIGIBILITY |
|-----------|----------|------|-------------|-------------|---------------------------------------|-----------------------|-------------------|------------------|-------|-------------|--------------------|--------------------------|
|           | LAT.     | LON. |             |             |                                       |                       |                   | METHOD           | SCORE | DESIGNATION |                    |                          |

Sum of GPD-Delineated Stream Lengths 12,341

Total Stream Length 16,277

<sup>1</sup>Indicates that the stream was delineated and assessed by GPD. Data was gathered from the fifth-year mitigation monitoring report and shapefiles provided by GPD. Information that was not provided has been noted as “Not Indicated” (NI).

<sup>2</sup>Indicates the stream length delineated within the ESA limits. Streams may continue beyond the ESA boundary.

<sup>3</sup>Streams NS-1, NS-2, NS-3, and NS-4 drain to Pond NS-2 and do not possess a connection to a TNW. Ephemeral streams are not WoUS based on the *2020 Navigable Waters Protection Rule*. It is assumed that all streams delineated by GPD are a part of the mitigation to satisfy USACE Section 404 permits and therefore would continue to be regulated by the USACE.



**TABLE 3: PONDS DELINEATED WITHIN THE NOTTINGHAM SOLAR SITE ESA**

| POND ID         | LOCATION  |            | DELINEATED<br>AREA <sup>1</sup><br>(acres) | WOUS? |
|-----------------|-----------|------------|--|-------|
|                 | LAT.      | LON.       |  |       |
| Pond NS-1       | 40.201009 | -81.074673 | 1.05                                       | No    |
| Pond NS-2       | 40.195685 | -81.063699 | 14.47                                      | No    |
| Pond NS-3       | 40.192748 | -81.072687 | 0.78                                       | No    |
| Pond NS-4       | 40.189495 | -81.074794 | 1.23                                       | No    |
| Pond NS-5       | 40.186762 | -81.068914 | 1.28                                       | Yes   |
| Pond NS-6       | 40.189287 | -81.069290 | 0.82                                       | Yes   |
| Total Pond Area |           |            | 19.61                                      |       |

<sup>3</sup> Acreages reflect the area delineated within the ESA and are approximate based on GPS data and are rounded to the nearest 0.01-acre.

# APPENDIX C

USACE WETLAND

DETERMINATION FORMS

## WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Nottingham Solar Site City/County: Harrison County Sampling Date: 1/13/2021  
 Applicant/Owner: Nottingham Solar LLC State: OH Sampling Point: Wetland NS-1  
 Investigator(s): P. Renner; M. Thomayer Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 1  
 Subregion (LRR or MLRA): LRR N Lat: 40.201915 Long: -81.074797 Datum: NAD83  
 Soil Map Unit Name: Morristown silty clay loam, 8 to 25 percent slopes, reclaimed NWI classification: N/A  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____<br>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____<br>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____ | Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____ |
| Remarks:<br>PFO portion of PEM/PFO wetland bounding pond.  |  |

### HYDROLOGY

|   |  |
|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>___ Surface Water (A1)                      ___ True Aquatic Plants (B14)<br>___ High Water Table (A2)                      ___ Hydrogen Sulfide Odor (C1)<br>___ Saturation (A3)                                  ___ Oxidized Rhizospheres on Living Roots (C3)<br>___ Water Marks (B1)                              ___ Presence of Reduced Iron (C4)<br>___ Sediment Deposits (B2)                      ___ Recent Iron Reduction in Tilled Soils (C6)<br>___ Drift Deposits (B3)                              ___ Thin Muck Surface (C7)<br>___ Algal Mat or Crust (B4)                        ___ Other (Explain in Remarks)<br>___ Iron Deposits (B5)<br>___ Inundation Visible on Aerial Imagery (B7)<br>___ Water-Stained Leaves (B9)<br>___ Aquatic Fauna (B13) | <u>Secondary Indicators (minimum of two required)</u><br>___ Surface Soil Cracks (B6)<br>___ Sparsely Vegetated Concave Surface (B8)<br>___ Drainage Patterns (B10)<br>___ Moss Trim Lines (B16)<br>___ Dry-Season Water Table (C2)<br>___ Crayfish Burrows (C8)<br>___ Saturation Visible on Aerial Imagery (C9)<br>___ Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br>___ Shallow Aquitard (D3)<br>___ Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe)   | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |
| Remarks:  |  |

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

Sampling Point: Wetland NS-1

|   | Absolute % Cover | Dominant Species? | Indicator Status |   |   |
|---|------------------|-------------------|------------------|---|---|
| <u>Tree Stratum</u> (Plot size: <u>r=30'</u> )                |                  |                   |                  |   |   |
| 1. <u>Salix nigra</u>   | <u>45</u>        | <u>Yes</u>        | <u>OBL</u>       | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>3</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)  |   |
| 2. _____  | _____            | _____             | _____            |   |   |
| 3. _____  | _____            | _____             | _____            |   |   |
| 4. _____  | _____            | _____             | _____            |   |   |
| 5. _____  | _____            | _____             | _____            |   |   |
| 6. _____  | _____            | _____             | _____            |   |   |
| <u>45</u> = Total Cover                                       |                  |                   |                  | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by:<br>OBL species _____ x 1 = _____<br>FACW species _____ x 2 = _____<br>FAC species _____ x 3 = _____<br>FACU species _____ x 4 = _____<br>UPL species _____ x 5 = _____<br>Column Totals: _____ (A) _____ (B)<br><br>Prevalence Index = B/A = _____   |   |
| 50% of total cover: <u>22.5</u> 20% of total cover: <u>9</u>  |                  |                   |                  |   |   |
| <u>Sapling Stratum</u> (Plot size: <u>r=15'</u> )             |                  |                   |                  |   |   |
| 1. <u>Salix nigra</u>   | <u>40</u>        | <u>Yes</u>        | <u>OBL</u>       |   | <b>Hydrophytic Vegetation Indicators:</b><br><input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation<br><input checked="" type="checkbox"/> 2 - Dominance Test is >50%<br><input type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup><br><input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2. _____  | _____            | _____             | _____            |   |   |
| 3. _____  | _____            | _____             | _____            |   |   |
| 4. _____  | _____            | _____             | _____            |   |   |
| 5. _____  | _____            | _____             | _____            |   |   |
| 6. _____  | _____            | _____             | _____            |   |   |
| <u>40</u> = Total Cover                                       |                  |                   |                  | <b>Definitions of Five Vegetation Strata:</b><br><br><b>Tree</b> – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).<br><br><b>Sapling</b> – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.<br><br><b>Shrub</b> – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.<br><br><b>Herb</b> – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.<br><br><b>Woody vine</b> – All woody vines, regardless of height. |   |
| 50% of total cover: <u>20</u> 20% of total cover: <u>8</u>    |                  |                   |                  |   |   |
| <u>Shrub Stratum</u> (Plot size: <u>r=15'</u> )               |                  |                   |                  |   |   |
| 1. _____  | _____            | _____             | _____            |   |   |
| 2. _____  | _____            | _____             | _____            |   |   |
| 3. _____  | _____            | _____             | _____            |   |   |
| 4. _____  | _____            | _____             | _____            |   |   |
| 5. _____  | _____            | _____             | _____            |   |   |
| 6. _____  | _____            | _____             | _____            |   |   |
| _____ = Total Cover   |                  |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____   |   |
| 50% of total cover: _____ 20% of total cover: _____           |                  |                   |                  |   |   |
| <u>Herb Stratum</u> (Plot size: <u>r=5'</u> )                 |                  |                   |                  |   |   |
| 1. <u>Phalaris arundinacea</u>                                | <u>40</u>        | <u>Yes</u>        | <u>FACW</u>      |   |   |
| 2. _____  | _____            | _____             | _____            |   |   |
| 3. _____  | _____            | _____             | _____            |   |   |
| 4. _____  | _____            | _____             | _____            |   |   |
| 5. _____  | _____            | _____             | _____            |   |   |
| 6. _____  | _____            | _____             | _____            |   |   |
| 7. _____  | _____            | _____             | _____            |   |   |
| 8. _____  | _____            | _____             | _____            |   |   |
| 9. _____  | _____            | _____             | _____            |   |   |
| 10. _____   | _____            | _____             | _____            |   |   |
| 11. _____   | _____            | _____             | _____            |   |   |
| <u>40</u> = Total Cover                                       |                  |                   |                  |   |   |
| 50% of total cover: <u>20</u> 20% of total cover: <u>8</u>    |                  |                   |                  |   |   |
| <u>Woody Vine Stratum</u> (Plot size: <u>r=30'</u> )          |                  |                   |                  |   |   |
| 1. _____  | _____            | _____             | _____            |   |   |
| 2. _____  | _____            | _____             | _____            |   |   |
| 3. _____  | _____            | _____             | _____            |   |   |
| 4. _____  | _____            | _____             | _____            |   |   |
| 5. _____  | _____            | _____             | _____            |   |   |
| _____ = Total Cover   |                  |                   |                  |   |   |
| 50% of total cover: _____ 20% of total cover: _____           |                  |                   |                  |   |   |
| Remarks: (Include photo numbers here or on a separate sheet.) |                  |                   |                  |   |   |

**SOIL**

Sampling Point: Wetland NS-1

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

| Depth<br>(inches) | Matrix        |    | Redox Features |    |                   |                  | Texture         | Remarks |
|-------------------|---------------|----|----------------|----|-------------------|------------------|-----------------|---------|
|                   | Color (moist) | %  | Color (moist)  | %  | Type <sup>1</sup> | Loc <sup>2</sup> |                 |         |
| 0-16              | 2.5Y 4/1      | 85 | 10YR 4/6       | 15 | C                 | M                | silty clay loam |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |
|                   |               |    |                |    |                   |                  |                 |         |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.      <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

|   |   |  |
|---|---|--|
| <b>Hydric Soil Indicators:</b>  |   | <b>Indicators for Problematic Hydric Soils<sup>3</sup>:</b>  |
| <input type="checkbox"/> Histosol (A1)  | <input type="checkbox"/> Dark Surface (S7)                                      | <input type="checkbox"/> 2 cm Muck (A10) ( <b>MLRA 147</b> ) |
| <input type="checkbox"/> Histic Epipedon (A2)                                     | <input type="checkbox"/> Polyvalue Below Surface (S8) ( <b>MLRA 147, 148</b> )  | <input type="checkbox"/> Coast Prairie Redox (A16)           |
| <input type="checkbox"/> Black Histic (A3)  | <input type="checkbox"/> Thin Dark Surface (S9) ( <b>MLRA 147, 148</b> )        | <input type="checkbox"/> ( <b>MLRA 147, 148</b> )            |
| <input type="checkbox"/> Hydrogen Sulfide (A4)                                    | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                               | <input type="checkbox"/> Piedmont Floodplain Soils (F19)     |
| <input type="checkbox"/> Stratified Layers (A5)                                   | <input checked="" type="checkbox"/> Depleted Matrix (F3)                        | <input type="checkbox"/> ( <b>MLRA 136, 147</b> )            |
| <input type="checkbox"/> 2 cm Muck (A10) ( <b>LRR N</b> )                         | <input type="checkbox"/> Redox Dark Surface (F6)                                | <input type="checkbox"/> Very Shallow Dark Surface (TF12)    |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)                        | <input type="checkbox"/> Depleted Dark Surface (F7)                             | <input type="checkbox"/> Other (Explain in Remarks)          |
| <input type="checkbox"/> Thick Dark Surface (A12)                                 | <input type="checkbox"/> Redox Depressions (F8)                                 |  |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) ( <b>LRR N, MLRA 147, 148</b> ) | <input type="checkbox"/> Iron-Manganese Masses (F12) ( <b>LRR N, MLRA 136</b> ) |  |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)                                 | <input type="checkbox"/> Umbric Surface (F13) ( <b>MLRA 136, 122</b> )          |  |
| <input type="checkbox"/> Sandy Redox (S5)   | <input type="checkbox"/> Piedmont Floodplain Soils (F19) ( <b>MLRA 148</b> )    |  |
| <input type="checkbox"/> Stripped Matrix (S6)                                     | <input type="checkbox"/> Red Parent Material (F21) ( <b>MLRA 127, 147</b> )     |  |

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

|   |  |
|---|--|
| <b>Restrictive Layer (if observed):</b><br>Type: _____<br>Depth (inches): _____ | <b>Hydric Soil Present?</b> Yes <input checked="" type="checkbox"/> No _____ |
|---|--|

Remarks:

## WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Nottingham Solar Site City/County: Harrison County Sampling Date: 1/13/2021  
 Applicant/Owner: Nottingham Solar LLC State: OH Sampling Point: Wetland NS-2  
 Investigator(s): P. Renner; M. Thomayer Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 1  
 Subregion (LRR or MLRA): LRR N Lat: 40.199464 Long: -81.077375 Datum: NAD83  
 Soil Map Unit Name: Morristown silty clay loam, 8 to 25 percent slopes, reclaimed NWI classification: N/A  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____<br>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____<br>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____ | Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____ |
| Remarks:<br>PEM wetland in reclaimed mineland.   |  |

### HYDROLOGY

|   |  |
|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>___ Surface Water (A1)                      ___ True Aquatic Plants (B14)<br>___ High Water Table (A2)                      ___ Hydrogen Sulfide Odor (C1)<br>___ Saturation (A3)                                  ___ Oxidized Rhizospheres on Living Roots (C3)<br>___ Water Marks (B1)                              ___ Presence of Reduced Iron (C4)<br>___ Sediment Deposits (B2)                      ___ Recent Iron Reduction in Tilled Soils (C6)<br>___ Drift Deposits (B3)                              ___ Thin Muck Surface (C7)<br>___ Algal Mat or Crust (B4)                        ___ Other (Explain in Remarks)<br>___ Iron Deposits (B5)<br>___ Inundation Visible on Aerial Imagery (B7)<br>___ Water-Stained Leaves (B9)<br>___ Aquatic Fauna (B13) | <u>Secondary Indicators (minimum of two required)</u><br>___ Surface Soil Cracks (B6)<br>___ Sparsely Vegetated Concave Surface (B8)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br>___ Moss Trim Lines (B16)<br>___ Dry-Season Water Table (C2)<br>___ Crayfish Burrows (C8)<br>___ Saturation Visible on Aerial Imagery (C9)<br>___ Stunted or Stressed Plants (D1)<br><input checked="" type="checkbox"/> Geomorphic Position (D2)<br>___ Shallow Aquitard (D3)<br>___ Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe)   | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |
| Remarks:  |  |

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

Sampling Point: Wetland NS-2

| <u>Tree Stratum</u> (Plot size: <u>r=30'</u> )              | <u>Absolute % Cover</u> | <u>Dominant Species?</u> | <u>Indicator Status</u> |  |
|---|-------------------------|--------------------------|-------------------------|--|
| 1. _____  | _____                   | _____                    | _____                   |  |
| 2. _____  | _____                   | _____                    | _____                   |  |
| 3. _____  | _____                   | _____                    | _____                   |  |
| 4. _____  | _____                   | _____                    | _____                   |  |
| 5. _____  | _____                   | _____                    | _____                   |  |
| 6. _____  | _____                   | _____                    | _____                   |  |
| _____ = Total Cover   |                         |                          |                         |  |
| 50% of total cover: _____ 20% of total cover: _____         |                         |                          |                         |  |
| <u>Sapling Stratum</u> (Plot size: <u>r=15'</u> )           |                         |                          |                         |  |
| 1. _____  | _____                   | _____                    | _____                   |  |
| 2. _____  | _____                   | _____                    | _____                   |  |
| 3. _____  | _____                   | _____                    | _____                   |  |
| 4. _____  | _____                   | _____                    | _____                   |  |
| 5. _____  | _____                   | _____                    | _____                   |  |
| 6. _____  | _____                   | _____                    | _____                   |  |
| _____ = Total Cover   |                         |                          |                         |  |
| 50% of total cover: _____ 20% of total cover: _____         |                         |                          |                         |  |
| <u>Shrub Stratum</u> (Plot size: <u>r=15'</u> )             |                         |                          |                         |  |
| 1. _____  | _____                   | _____                    | _____                   |  |
| 2. _____  | _____                   | _____                    | _____                   |  |
| 3. _____  | _____                   | _____                    | _____                   |  |
| 4. _____  | _____                   | _____                    | _____                   |  |
| 5. _____  | _____                   | _____                    | _____                   |  |
| 6. _____  | _____                   | _____                    | _____                   |  |
| _____ = Total Cover   |                         |                          |                         |  |
| 50% of total cover: _____ 20% of total cover: _____         |                         |                          |                         |  |
| <u>Herb Stratum</u> (Plot size: <u>r=5'</u> )               |                         |                          |                         |  |
| 1. <u>Phalaris arundinacea</u>                              | 75                      | Yes                      | FACW                    |  |
| 2. <u>Typha angustifolia</u>                                | 25                      | Yes                      | OBL                     |  |
| 3. _____  | _____                   | _____                    | _____                   |  |
| 4. _____  | _____                   | _____                    | _____                   |  |
| 5. _____  | _____                   | _____                    | _____                   |  |
| 6. _____  | _____                   | _____                    | _____                   |  |
| 7. _____  | _____                   | _____                    | _____                   |  |
| 8. _____  | _____                   | _____                    | _____                   |  |
| 9. _____  | _____                   | _____                    | _____                   |  |
| 10. _____   | _____                   | _____                    | _____                   |  |
| 11. _____   | _____                   | _____                    | _____                   |  |
| _____ = Total Cover   |                         |                          |                         |  |
| 50% of total cover: <u>50</u> 20% of total cover: <u>20</u> |                         |                          |                         |  |
| <u>Woody Vine Stratum</u> (Plot size: <u>r=30'</u> )        |                         |                          |                         |  |
| 1. _____  | _____                   | _____                    | _____                   |  |
| 2. _____  | _____                   | _____                    | _____                   |  |
| 3. _____  | _____                   | _____                    | _____                   |  |
| 4. _____  | _____                   | _____                    | _____                   |  |
| 5. _____  | _____                   | _____                    | _____                   |  |
| _____ = Total Cover   |                         |                          |                         |  |
| 50% of total cover: _____ 20% of total cover: _____         |                         |                          |                         |  |

**Dominance Test worksheet:**

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

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

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

---

**Prevalence Index worksheet:**

Total % Cover of: \_\_\_\_\_ Multiply by:

OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_

FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_

FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_

FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_

UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_

Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)

Prevalence Index = B/A = \_\_\_\_\_

---

**Hydrophytic Vegetation Indicators:**

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

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

---

**Definitions of Five Vegetation Strata:**

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

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

**Shrub** – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

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

**Woody vine** – All woody vines, regardless of height.

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**Hydrophytic Vegetation Present?** Yes  No \_\_\_\_\_

Remarks: (Include photo numbers here or on a separate sheet.)

**SOIL**

Sampling Point: Wetland NS-2

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

| Depth<br>(inches) | Matrix        |    | Redox Features |   |                   |                  | Texture         | Remarks |
|-------------------|---------------|----|----------------|---|-------------------|------------------|-----------------|---------|
|                   | Color (moist) | %  | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |                 |         |
| 0-16              | 2.5YR 4/2     | 95 | 10YR 4/6       | 5 | C                 | M                | silty clay loam |         |
|                   |               |    |                |   |                   |                  |                 |         |
|                   |               |    |                |   |                   |                  |                 |         |
|                   |               |    |                |   |                   |                  |                 |         |
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|                   |               |    |                |   |                   |                  |                 |         |
|                   |               |    |                |   |                   |                  |                 |         |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.      <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

|  |  |   |  |
|--|--|---|--|
| <b>Hydric Soil Indicators:</b>   |  | <b>Indicators for Problematic Hydric Soils<sup>3</sup>:</b> |  |
| <input type="checkbox"/> Histosol (A1)                                   | <input type="checkbox"/> Dark Surface (S7)                             | <input type="checkbox"/> 2 cm Muck (A10) (MLRA 147)         |  |
| <input type="checkbox"/> Histic Epipedon (A2)                            | <input type="checkbox"/> Polyvalue Below Surface (S8) (MLRA 147, 148)  | <input type="checkbox"/> Coast Prairie Redox (A16)          |  |
| <input type="checkbox"/> Black Histic (A3)                               | <input type="checkbox"/> Thin Dark Surface (S9) (MLRA 147, 148)        | <input type="checkbox"/> (MLRA 147, 148)                    |  |
| <input type="checkbox"/> Hydrogen Sulfide (A4)                           | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                      | <input type="checkbox"/> Piedmont Floodplain Soils (F19)    |  |
| <input type="checkbox"/> Stratified Layers (A5)                          | <input checked="" type="checkbox"/> Depleted Matrix (F3)               | <input type="checkbox"/> (MLRA 136, 147)                    |  |
| <input type="checkbox"/> 2 cm Muck (A10) (LRR N)                         | <input type="checkbox"/> Redox Dark Surface (F6)                       | <input type="checkbox"/> Very Shallow Dark Surface (TF12)   |  |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)               | <input type="checkbox"/> Depleted Dark Surface (F7)                    | <input type="checkbox"/> Other (Explain in Remarks)         |  |
| <input type="checkbox"/> Thick Dark Surface (A12)                        | <input type="checkbox"/> Redox Depressions (F8)                        |   |  |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) | <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR N, MLRA 136) |   |  |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)                        | <input type="checkbox"/> Umbric Surface (F13) (MLRA 136, 122)          |   |  |
| <input type="checkbox"/> Sandy Redox (S5)                                | <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 148)    |   |  |
| <input type="checkbox"/> Stripped Matrix (S6)                            | <input type="checkbox"/> Red Parent Material (F21) (MLRA 127, 147)     |   |  |

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

|   |  |
|---|--|
| <b>Restrictive Layer (if observed):</b><br>Type: _____<br>Depth (inches): _____ | <b>Hydric Soil Present?</b> Yes <input checked="" type="checkbox"/> No _____ |
|---|--|

Remarks:



## WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Nottingham Solar Site City/County: Harrison County Sampling Date: 1/13/2021  
 Applicant/Owner: Nottingham Solar LLC State: OH Sampling Point: Wetland NS-3  
 Investigator(s): P. Renner; M. Thomayer Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 2  
 Subregion (LRR or MLRA): LRR N Lat: 40.196131 Long: -81.072990 Datum: NAD83  
 Soil Map Unit Name: Morristown silty clay loam, 0 to 8 percent slopes, reclaimed NWI classification: N/A  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____<br>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____<br>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____ | Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____ |
| Remarks:<br>PEM wetland in reclaimed mineland.   |  |

### HYDROLOGY

|  |   |
|--|---|
| <b>Wetland Hydrology Indicators:</b><br>Primary Indicators (minimum of one is required; check all that apply)  | Secondary Indicators (minimum of two required)  |
| <input checked="" type="checkbox"/> Surface Water (A1) _____ True Aquatic Plants (B14)<br><input type="checkbox"/> High Water Table (A2) _____ Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Saturation (A3) _____ Oxidized Rhizospheres on Living Roots (C3)<br><input type="checkbox"/> Water Marks (B1) _____ Presence of Reduced Iron (C4)<br><input type="checkbox"/> Sediment Deposits (B2) _____ Recent Iron Reduction in Tilled Soils (C6)<br><input type="checkbox"/> Drift Deposits (B3) _____ Thin Muck Surface (C7)<br><input type="checkbox"/> Algal Mat or Crust (B4) _____ Other (Explain in Remarks)<br><input type="checkbox"/> Iron Deposits (B5) _____<br><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)<br><input type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> Aquatic Fauna (B13) | <input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input checked="" type="checkbox"/> Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |

|  |   |
|--|---|
| <b>Field Observations:</b><br>Surface Water Present? Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>2</u><br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe) | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____ |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |   |

|          |
|----------|
| Remarks: |
|----------|

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

Sampling Point: Wetland NS-3

|   | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |  |
|---|---------------------|----------------------|---------------------|--|
| <b>Tree Stratum</b> (Plot size: <u>r=30'</u> )                |                     |                      |                     |  |
| 1. _____  | _____               | _____                | _____               |  |
| 2. _____  | _____               | _____                | _____               |  |
| 3. _____  | _____               | _____                | _____               |  |
| 4. _____  | _____               | _____                | _____               |  |
| 5. _____  | _____               | _____                | _____               |  |
| 6. _____  | _____               | _____                | _____               |  |
| _____ = Total Cover   |                     |                      |                     |  |
| 50% of total cover: _____ 20% of total cover: _____           |                     |                      |                     |  |
| <b>Sapling Stratum</b> (Plot size: <u>r=15'</u> )             |                     |                      |                     |  |
| 1. _____  | _____               | _____                | _____               |  |
| 2. _____  | _____               | _____                | _____               |  |
| 3. _____  | _____               | _____                | _____               |  |
| 4. _____  | _____               | _____                | _____               |  |
| 5. _____  | _____               | _____                | _____               |  |
| 6. _____  | _____               | _____                | _____               |  |
| _____ = Total Cover   |                     |                      |                     |  |
| 50% of total cover: _____ 20% of total cover: _____           |                     |                      |                     |  |
| <b>Shrub Stratum</b> (Plot size: <u>r=15'</u> )               |                     |                      |                     |  |
| 1. _____  | _____               | _____                | _____               |  |
| 2. _____  | _____               | _____                | _____               |  |
| 3. _____  | _____               | _____                | _____               |  |
| 4. _____  | _____               | _____                | _____               |  |
| 5. _____  | _____               | _____                | _____               |  |
| 6. _____  | _____               | _____                | _____               |  |
| _____ = Total Cover   |                     |                      |                     |  |
| 50% of total cover: _____ 20% of total cover: _____           |                     |                      |                     |  |
| <b>Herb Stratum</b> (Plot size: <u>r=5'</u> )                 |                     |                      |                     |  |
| 1. <u>Juncus effusus</u>                                      | <u>35</u>           | <u>Yes</u>           | <u>FACW</u>         |  |
| 2. <u>Phalaris arundinacea</u>                                | <u>20</u>           | <u>Yes</u>           | <u>FACW</u>         |  |
| 3. <u>Scirpus cyperinus</u>                                   | <u>15</u>           | <u>No</u>            | <u>OBL</u>          |  |
| 4. _____  | _____               | _____                | _____               |  |
| 5. _____  | _____               | _____                | _____               |  |
| 6. _____  | _____               | _____                | _____               |  |
| 7. _____  | _____               | _____                | _____               |  |
| 8. _____  | _____               | _____                | _____               |  |
| 9. _____  | _____               | _____                | _____               |  |
| 10. _____   | _____               | _____                | _____               |  |
| 11. _____   | _____               | _____                | _____               |  |
| _____ = Total Cover   |                     |                      |                     |  |
| 50% of total cover: <u>35</u> 20% of total cover: <u>14</u>   |                     |                      |                     |  |
| <b>Woody Vine Stratum</b> (Plot size: <u>r=30'</u> )          |                     |                      |                     |  |
| 1. _____  | _____               | _____                | _____               |  |
| 2. _____  | _____               | _____                | _____               |  |
| 3. _____  | _____               | _____                | _____               |  |
| 4. _____  | _____               | _____                | _____               |  |
| 5. _____  | _____               | _____                | _____               |  |
| _____ = Total Cover   |                     |                      |                     |  |
| 50% of total cover: _____ 20% of total cover: _____           |                     |                      |                     |  |
| Remarks: (Include photo numbers here or on a separate sheet.) |                     |                      |                     |  |

**Dominance Test worksheet:**

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

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

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

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**Prevalence Index worksheet:**

Total % Cover of: \_\_\_\_\_ Multiply by:

OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_

FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_

FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_

FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_

UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_

Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)

Prevalence Index = B/A = \_\_\_\_\_

---

**Hydrophytic Vegetation Indicators:**

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

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

---

**Definitions of Five Vegetation Strata:**

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

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

**Shrub** – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

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

**Woody vine** – All woody vines, regardless of height.

---

**Hydrophytic Vegetation Present?** Yes  No

**SOIL**

Sampling Point: Wetland NS-3

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

| Depth<br>(inches) | Matrix        |    | Redox Features |   |                   |                  | Texture         | Remarks |
|-------------------|---------------|----|----------------|---|-------------------|------------------|-----------------|---------|
|                   | Color (moist) | %  | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |                 |         |
| 0-16              | 10YR 5/2      | 95 | 10YR5/4        | 5 | C                 | M                | silty clay loam |         |
|                   |               |    |                |   |                   |                  |                 |         |
|                   |               |    |                |   |                   |                  |                 |         |
|                   |               |    |                |   |                   |                  |                 |         |
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|                   |               |    |                |   |                   |                  |                 |         |
|                   |               |    |                |   |                   |                  |                 |         |

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.      <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

|   |   |   |
|---|---|---|
| <b>Hydric Soil Indicators:</b>  |   | <b>Indicators for Problematic Hydric Soils<sup>3</sup>:</b> |
| <input type="checkbox"/> Histosol (A1)  | <input type="checkbox"/> Dark Surface (S7)                                    | <input type="checkbox"/> 2 cm Muck (A10) <b>(MLRA 147)</b>  |
| <input type="checkbox"/> Histic Epipedon (A2)                                   | <input type="checkbox"/> Polyvalue Below Surface (S8) <b>(MLRA 147, 148)</b>  | <input type="checkbox"/> Coast Prairie Redox (A16)          |
| <input type="checkbox"/> Black Histic (A3)                                      | <input type="checkbox"/> Thin Dark Surface (S9) <b>(MLRA 147, 148)</b>        | <input type="checkbox"/> <b>(MLRA 147, 148)</b>             |
| <input type="checkbox"/> Hydrogen Sulfide (A4)                                  | <input type="checkbox"/> Loamy Gleyed Matrix (F2)                             | <input type="checkbox"/> Piedmont Floodplain Soils (F19)    |
| <input type="checkbox"/> Stratified Layers (A5)                                 | <input checked="" type="checkbox"/> Depleted Matrix (F3)                      | <input type="checkbox"/> <b>(MLRA 136, 147)</b>             |
| <input type="checkbox"/> 2 cm Muck (A10) <b>(LRR N)</b>                         | <input type="checkbox"/> Redox Dark Surface (F6)                              | <input type="checkbox"/> Very Shallow Dark Surface (TF12)   |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)                      | <input type="checkbox"/> Depleted Dark Surface (F7)                           | <input type="checkbox"/> Other (Explain in Remarks)         |
| <input type="checkbox"/> Thick Dark Surface (A12)                               | <input type="checkbox"/> Redox Depressions (F8)                               |   |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) <b>(LRR N, MLRA 147, 148)</b> | <input type="checkbox"/> Iron-Manganese Masses (F12) <b>(LRR N, MLRA 136)</b> |   |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)                               | <input type="checkbox"/> Umbric Surface (F13) <b>(MLRA 136, 122)</b>          |   |
| <input type="checkbox"/> Sandy Redox (S5)                                       | <input type="checkbox"/> Piedmont Floodplain Soils (F19) <b>(MLRA 148)</b>    |   |
| <input type="checkbox"/> Stripped Matrix (S6)                                   | <input type="checkbox"/> Red Parent Material (F21) <b>(MLRA 127, 147)</b>     |   |

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

|   |  |
|---|--|
| <b>Restrictive Layer (if observed):</b><br>Type: _____<br>Depth (inches): _____ | Hydric Soil Present?    Yes <input checked="" type="checkbox"/> No _____ |
|---|--|

Remarks:

## WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Nottingham Solar Site City/County: Harrison County Sampling Date: 1/12/2021  
 Applicant/Owner: Nottingham Solar LLC State: OH Sampling Point: Wetland NS-4  
 Investigator(s): P. Renner; M. Thomayer Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 2  
 Subregion (LRR or MLRA): LRR N Lat: 40.198866 Long: -81.068274 Datum: NAD83  
 Soil Map Unit Name: Morristown silty clay loam, 8 to 25 percent slopes, reclaimed NWI classification: N/A  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No \_\_\_\_\_ (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No \_\_\_\_\_  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

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

|  |  |
|--|--|
| Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____<br>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____<br>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____ | Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____ |
| Remarks:<br>PEM wetland in reclaimed mineland.   |  |

### HYDROLOGY

|   |  |
|---|--|
| <b>Wetland Hydrology Indicators:</b><br><u>Primary Indicators (minimum of one is required; check all that apply)</u><br>___ Surface Water (A1)                      ___ True Aquatic Plants (B14)<br>___ High Water Table (A2)                      ___ Hydrogen Sulfide Odor (C1)<br>___ Saturation (A3)                                  ___ Oxidized Rhizospheres on Living Roots (C3)<br>___ Water Marks (B1)                              ___ Presence of Reduced Iron (C4)<br>___ Sediment Deposits (B2)                      ___ Recent Iron Reduction in Tilled Soils (C6)<br>___ Drift Deposits (B3)                              ___ Thin Muck Surface (C7)<br>___ Algal Mat or Crust (B4)                        ___ Other (Explain in Remarks)<br>___ Iron Deposits (B5)<br>___ Inundation Visible on Aerial Imagery (B7)<br>___ Water-Stained Leaves (B9)<br>___ Aquatic Fauna (B13) | <u>Secondary Indicators (minimum of two required)</u><br>___ Surface Soil Cracks (B6)<br>___ Sparsely Vegetated Concave Surface (B8)<br><input checked="" type="checkbox"/> Drainage Patterns (B10)<br>___ Moss Trim Lines (B16)<br>___ Dry-Season Water Table (C2)<br>___ Crayfish Burrows (C8)<br>___ Saturation Visible on Aerial Imagery (C9)<br>___ Stunted or Stressed Plants (D1)<br>___ Geomorphic Position (D2)<br>___ Shallow Aquitard (D3)<br>___ Microtopographic Relief (D4)<br><input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe)   | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |
| Remarks:  |  |

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

Sampling Point: Wetland NS-4

|   | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status |   |
|---|---------------------|----------------------|---------------------|---|
| <b>Tree Stratum</b> (Plot size: <u>r=30'</u> )                |                     |                      |                     |   |
| 1. _____  | _____               | _____                | _____               |   |
| 2. _____  | _____               | _____                | _____               |   |
| 3. _____  | _____               | _____                | _____               |   |
| 4. _____  | _____               | _____                | _____               |   |
| 5. _____  | _____               | _____                | _____               |   |
| 6. _____  | _____               | _____                | _____               |   |
|   |                     |                      |                     | _____ = Total Cover   |
|   |                     |                      |                     | 50% of total cover: _____ 20% of total cover: _____         |
| <b>Sapling Stratum</b> (Plot size: <u>r=15'</u> )             |                     |                      |                     |   |
| 1. _____  | _____               | _____                | _____               |   |
| 2. _____  | _____               | _____                | _____               |   |
| 3. _____  | _____               | _____                | _____               |   |
| 4. _____  | _____               | _____                | _____               |   |
| 5. _____  | _____               | _____                | _____               |   |
| 6. _____  | _____               | _____                | _____               |   |
|   |                     |                      |                     | _____ = Total Cover   |
|   |                     |                      |                     | 50% of total cover: _____ 20% of total cover: _____         |
| <b>Shrub Stratum</b> (Plot size: <u>r=15'</u> )               |                     |                      |                     |   |
| 1. _____  | _____               | _____                | _____               |   |
| 2. _____  | _____               | _____                | _____               |   |
| 3. _____  | _____               | _____                | _____               |   |
| 4. _____  | _____               | _____                | _____               |   |
| 5. _____  | _____               | _____                | _____               |   |
| 6. _____  | _____               | _____                | _____               |   |
|   |                     |                      |                     | _____ = Total Cover   |
|   |                     |                      |                     | 50% of total cover: _____ 20% of total cover: _____         |
| <b>Herb Stratum</b> (Plot size: <u>r=5'</u> )                 |                     |                      |                     |   |
| 1. <u>Juncus effusus</u>                                      | 20                  | Yes                  | FACW                |   |
| 2. <u>Phalaris arundinacea</u>                                | 40                  | Yes                  | FACW                |   |
| 3. <u>Scirpus cyperinus</u>                                   | 15                  | No                   | OBL                 |   |
| 4. <u>Juncus tenuis</u>                                       | 15                  | No                   | FAC                 |   |
| 5. _____  | _____               | _____                | _____               |   |
| 6. _____  | _____               | _____                | _____               |   |
| 7. _____  | _____               | _____                | _____               |   |
| 8. _____  | _____               | _____                | _____               |   |
| 9. _____  | _____               | _____                | _____               |   |
| 10. _____   | _____               | _____                | _____               |   |
| 11. _____   | _____               | _____                | _____               |   |
|   |                     |                      |                     | 90 = Total Cover  |
|   |                     |                      |                     | 50% of total cover: <u>45</u> 20% of total cover: <u>18</u> |
| <b>Woody Vine Stratum</b> (Plot size: <u>r=30'</u> )          |                     |                      |                     |   |
| 1. _____  | _____               | _____                | _____               |   |
| 2. _____  | _____               | _____                | _____               |   |
| 3. _____  | _____               | _____                | _____               |   |
| 4. _____  | _____               | _____                | _____               |   |
| 5. _____  | _____               | _____                | _____               |   |
|   |                     |                      |                     | _____ = Total Cover   |
|   |                     |                      |                     | 50% of total cover: _____ 20% of total cover: _____         |
| Remarks: (Include photo numbers here or on a separate sheet.) |                     |                      |                     |   |

**Dominance Test worksheet:**

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

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

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

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**Prevalence Index worksheet:**

Total % Cover of: \_\_\_\_\_ Multiply by:

OBL species \_\_\_\_\_ x 1 = \_\_\_\_\_

FACW species \_\_\_\_\_ x 2 = \_\_\_\_\_

FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_

FACU species \_\_\_\_\_ x 4 = \_\_\_\_\_

UPL species \_\_\_\_\_ x 5 = \_\_\_\_\_

Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B)

Prevalence Index = B/A = \_\_\_\_\_

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**Hydrophytic Vegetation Indicators:**

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0<sup>1</sup>

4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

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

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**Definitions of Five Vegetation Strata:**

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

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

**Shrub** – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

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

**Woody vine** – All woody vines, regardless of height.

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**Hydrophytic Vegetation Present?** Yes  No

