



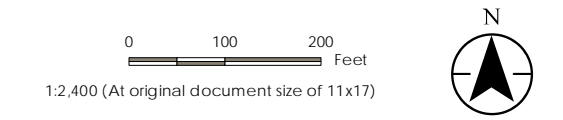
Figure No.  
2

Title  
**Wetland and Waterbody  
Delineation Map**

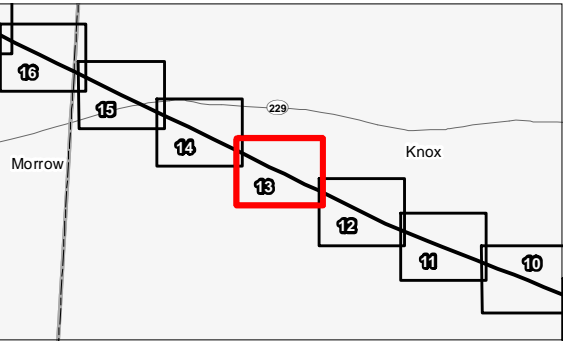
Client/Project  
American Electric Power  
Mt. Vernon Station - Hedding Station  
138 kV Transmission Line Rebuild Project

Project Location  
Morrow County, Ohio

193704281  
Prepared by HDB on 2016-08-24  
Technical Review by MP on 2016-08-30  
Independent Review by NN on 2016-09-02



- Legend**
- |  |                                      |
|--|--------------------------------------|
| ■ AEP Substation                             | Upland Drainage Feature              |
| ● Structure to be Replaced                   | Approximate Upland Drainage Feature  |
| 138 kV Transmission Line                     | 100-year Flood Zone                  |
| Access Road                                  | 100-year Floodway                    |
| Project Area (100' ROW and 30' Access Roads) | Open Water                           |
| Wetland Determination Sample Point           | Approximate Wetland                  |
| Existing Culvert                             | Field Delineated Wetland             |
| Photo Location                               | Field Delineated Emergent Wetland    |
| Field Delineated Waterway                    | Field Delineated Forested Wetland    |
| Approximate Waterway                         | Field Delineated Scrub-Shrub Wetland |



Notes

1. Coordinate System: NAD 1983 StatePlane Ohio North FIPS 3401 Feet
2. Data Sources Include: Stantec, AEP, NADS, FEMA, USGS, USFWS
3. Orthophotography: 2015 NAIP





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Figure No.  
2

Title  
Wetland and Waterbody  
Delineation Map

Client/Project  
American Electric Power  
Mt. Vernon Station - Hedding Station  
138 kV Transmission Line Rebuild Project

Project Location  
Morrow County, Ohio

193704281  
Prepared by HDB on 2016-08-24  
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0 100 200 Feet  
1:2,400 (At original document size of 11x17)

N

Legend

■

AEP Substation

●

Structure to be Replaced

—

138 kV Transmission Line

—

Access Road

□

Project Area (100' ROW and 30' Access Roads)

●

Wetland Determination Sample Point

▲

Existing Culvert

⦿

Photo Location

—

Field Delineated Waterway

—

Approximate Waterway

—

Upland Drainage Feature

—

Approximate Upland Drainage Feature

□

100-year Flood Zone

□

100-year Floodway

○

Open Water

□

Approximate Wetland

□

Field Delineated Wetland

□

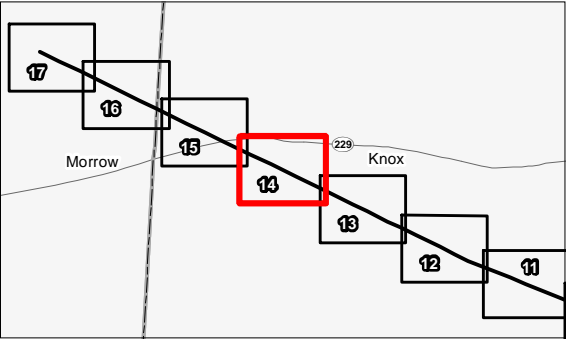
Field Delineated Emergent Wetland

□

Field Delineated Forested Wetland

□

Field Delineated Scrub-Shrub Wetland



- Notes
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3. Orthophotography: 2015 NAIP







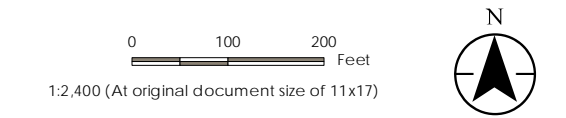
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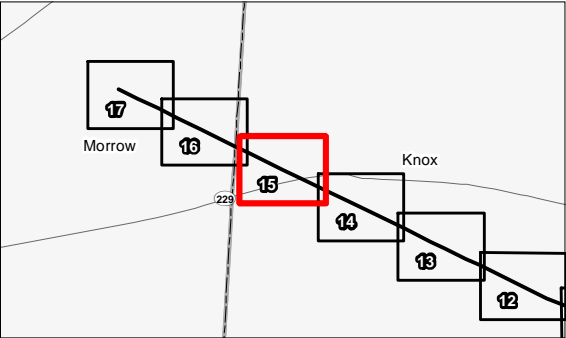
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- Legend
- |  |                                      |
|--|--------------------------------------|
| ■ AEP Substation                             | Upland Drainage Feature              |
| ● Structure to be Replaced                   | Approximate Upland Drainage Feature  |
| 138 kV Transmission Line                     | 100-year Flood Zone                  |
| Access Road                                  | 100-year Floodway                    |
| Project Area (100' ROW and 30' Access Roads) | Open Water                           |
| Wetland                                      | Approximate Wetland                  |
| Determination Sample Point                   | Field Delineated Wetland             |
| Existing Culvert                             | Field Delineated Emergent Wetland    |
| Photo Location                               | Field Delineated Forested Wetland    |
| Field Delineated Waterway                    | Field Delineated Scrub-Shrub Wetland |
| Approximate Waterway                         |                                      |



- Notes
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  3. Orthophotography: 2015 NAIP













MT. VERNON STATION – HEDDING STATION 138 KV TRANSMISSION LINE REBUILD PROJECT,  
KNOX AND MORROW COUNTIES, OHIO

A.3     FIGURE 3 – HABITAT ASSESSMENT MAP





Figure No.

3

---

Title

## Habitat Assessment Map

Client/Project

American Electric Power  
Mt. Vernon Station - Hedding Station  
138 kV Transmission Line Rebuild Project

---

Project Location

Knox and Morrow Counties, Ohio

3704281

Prepared by HDB on 2016-08-24  
Technical Review by MP on 2016-08-26

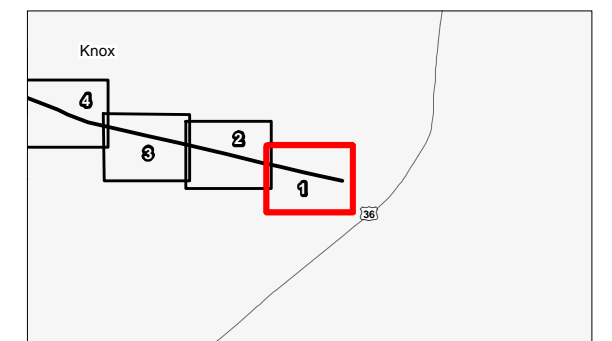
Technical Review by MP on 2016-08-26

Independent Review by NN on 2016-09-09



Legend

- 
- AEP Substation  
 ○ Structure to be Replaced  
 138 kV Transmission Line  
 Access Road  
 Project Area (100' ROW and 30' Access Roads)  
 Existing Culvert  
 Photo Location  
 Existing Gravel Road  
 Residential Lawn  
 New Field  
 Old Field  
 Pasture  
 Hay Field  
 Agricultural Row Crop  
 Field Delineated Waterway  
 Approximate Waterway  
 Upland Drainage Feature  
 Approximate Upland Drainage Feature  
 Open Water  
 Approximate Wetland  
 Field Delineated Wetland  
 Field Delineated Emergent Wetland  
 Field Delineated Forested Wetland  
 Field Delineated Scrub-Shrub Wetland



## Notes

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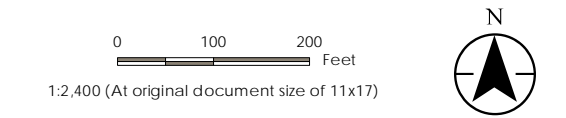
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Title  
Habitat Assessment Map

Client/Project  
American Electric Power  
Mt. Vernon Station - Hedding Station  
138 kV Transmission Line Rebuild Project

Project Location  
Knox and Morrow Counties, Ohio

193704281  
Prepared by HDB on 2016-08-24  
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Legend

■

AEP Substation

●

Structure to be Replaced

—

138 kV Transmission Line

—

Access Road

□

Project Area (100' ROW and 30' Access Roads)

▲

Existing Culvert

○

Photo Location

●

Existing Gravel Road

●

Residential Lawn

●

New Field

●

Old Field

●

Pasture

●

Hay Field

●

Agricultural Row Crop

Field Delineated Waterway

Approximate Waterway

Upland Drainage Feature

Approximate Upland Drainage Feature

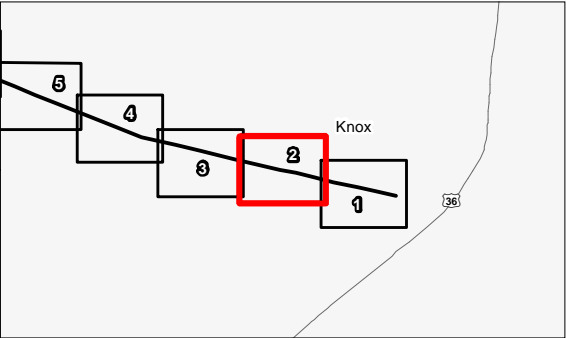
Open Water

Approximate Wetland

Field Delineated Emergent Wetland

Field Delineated Forested Wetland

Field Delineated Scrub-Shrub Wetland



Notes

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- Data Sources Include: Stantec, AEP, NADS, USGS, USFWS
- Orthophotography: 2015 NAIP











Figure No.

3

Title

## Habitat Assessment Map

Client/Project

American Electric Power  
Mt. Vernon Station - Hedding Station  
138 kV Transmission Line Rebuild Project

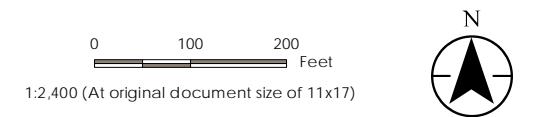
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Project Location

























Knox and Morrow Counties, Ohio

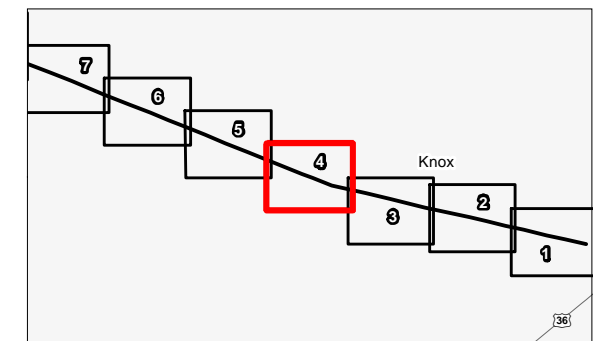
193704281

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Independent Review by NN on 2016-09-09



Legend

- |   |  |   |                                      |
|---|--|---|--------------------------------------|
|    | AEP Substation                               |    | Field Delineated Waterway            |
|    | Structure to be Replaced                     |    | Approximate Waterway                 |
|    | 138 kV Transmission Line                     |    | Upland Drainage Feature              |
|    | Access Road                                  |    | Approximate Upland Drainage Feature  |
|    | Project Area (100' ROW and 30' Access Roads) |    | Open Water                           |
|    | Existing Culvert                             |    | Approximate Wetland                  |
|    | Photo Location                               |    | Field Delineated Wetland             |
|   | Existing Gravel Road                         |   | Field Delineated Emergent Wetland    |
|  | Residential Lawn                             |  | Field Delineated Forested Wetland    |
|  | New Field                                    |  | Field Delineated Scrub-Shrub Wetland |
|  | Old Field                                    |   |                                      |
|  | Pasture                                      |   |                                      |
|  | Hay Field                                    |   |                                      |
|  | Agricultural Row Crop                        |   |                                      |



## Notes

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3. Orthophotography: 2015 NAIP









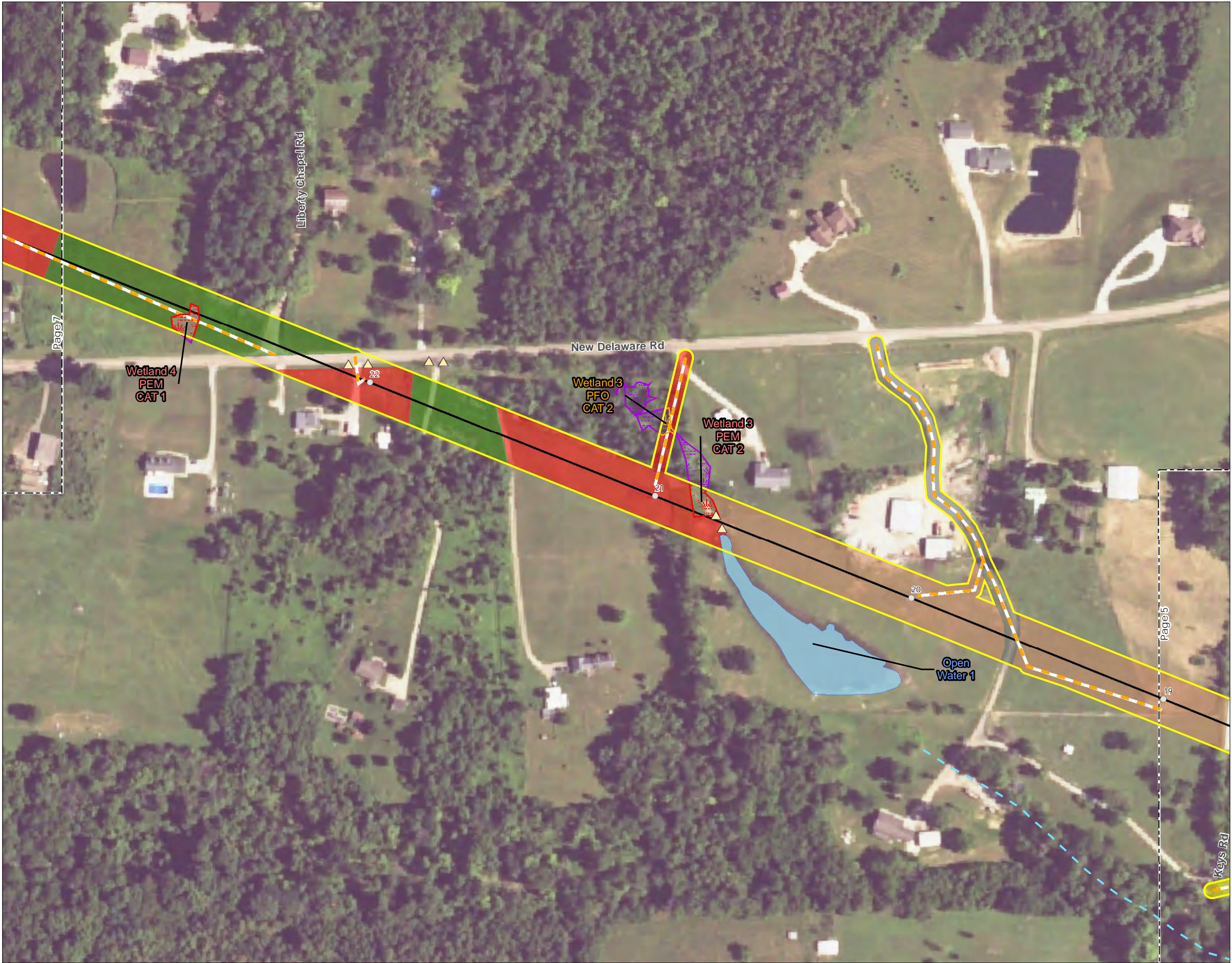


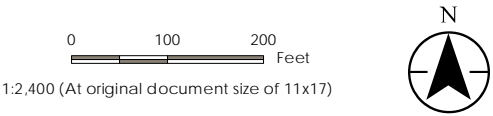
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Title  
Habitat Assessment Map

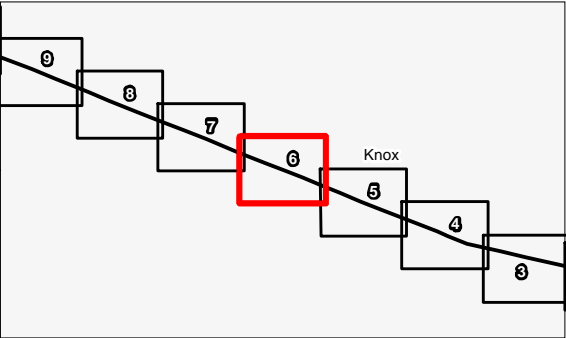
Client/Project  
American Electric Power  
Mt. Vernon Station - Hedding Station  
138 kV Transmission Line Rebuild Project

Project Location  
Knox and Morrow Counties, Ohio

193704281  
Prepared by HDB on 2016-08-24  
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- Legend
- |  |                                      |
|--|--------------------------------------|
| ■ AEP Substation                             | Field Delineated Waterway            |
| ● Structure to be Replaced                   | Approximate Waterway                 |
| — 138 kV Transmission Line                   | Upland Drainage Feature              |
| — Access Road                                | Approximate Upland Drainage Feature  |
| Project Area (100' ROW and 30' Access Roads) | Open Water                           |
| △ Existing Culvert                           | Approximate Wetland                  |
| ○ Photo Location                             | Field Delineated Wetland             |
| Existing Gravel Road                         | Field Delineated Emergent Wetland    |
| Residential Lawn                             | Field Delineated Forested Wetland    |
| New Field                                    | Field Delineated Scrub-Shrub Wetland |
| Old Field                                    |                                      |
| Pasture                                      |                                      |
| Hay Field                                    |                                      |
| Agricultural Row Crop                        |                                      |



Notes

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Figure No.  
3

Title  
Habitat Assessment Map

Client/Project  
American Electric Power  
Mt. Vernon Station - Hedding Station  
138 kV Transmission Line Rebuild Project

Project Location  
Knox and Morrow Counties, Ohio

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Legend

■

AEP Substation

●

Structure to be Replaced

138 kV Transmission Line

Access Road

Project Area (100' ROW and 30' Access Roads)

Existing Culvert

Photo Location

Existing Gravel Road

Residential Lawn

New Field

Old Field

Pasture

Hay Field

Agricultural Row Crop

Field Delineated Waterway

Approximate Waterway

Upland Drainage Feature

Approximate Upland Drainage Feature

Open Water

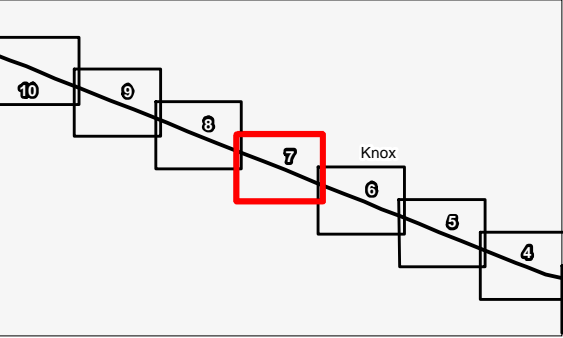
Approximate Wetland

Field Delineated Wetland

Field Delineated Emergent Wetland

Field Delineated Forested Wetland

Field Delineated Scrub-Shrub Wetland



Notes

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Figure No.  
3

Title  
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Legend

■

AEP Substation

●

Structure to be Replaced

138 kV Transmission Line

Access Road

Project Area (100' ROW and 30' Access Roads)

Existing Culvert

Photo Location

Existing Gravel Road

Residential Lawn

New Field

Old Field

Pasture

Hay Field

Agricultural Row Crop

Field Delineated Waterway

Approximate Waterway

Upland Drainage Feature

Approximate Upland Drainage Feature

Open Water

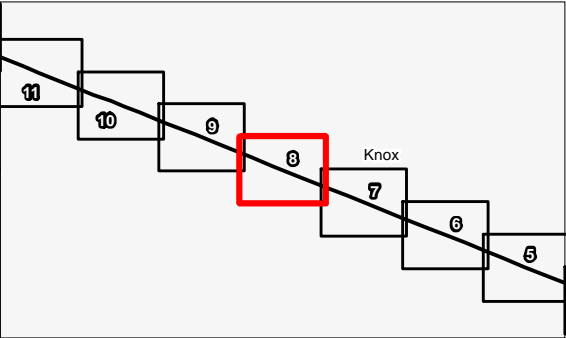
Approximate Wetland

Field Delineated Wetland

Field Delineated Emergent Wetland

Field Delineated Forested Wetland

Field Delineated Scrub-Shrub Wetland



Notes

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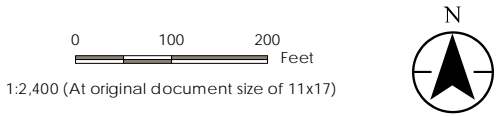
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Title  
Habitat Assessment Map

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Legend

■

AEP Substation

●

Structure to be Replaced

—

138 kV Transmission Line

—

Access Road

□

Project Area (100' ROW and 30' Access Roads)

▲

Existing Culvert

○

Photo Location

●

Existing Gravel Road

●

Residential Lawn

●

New Field

●

Old Field

●

Pasture

●

Hay Field

●

Agricultural Row Crop

—

Field Delineated Waterway

—

Approximate Waterway

—

Upland Drainage Feature

—

Approximate Upland Drainage Feature

○

Open Water

○

Approximate Wetland

○

Field Delineated Wetland

○

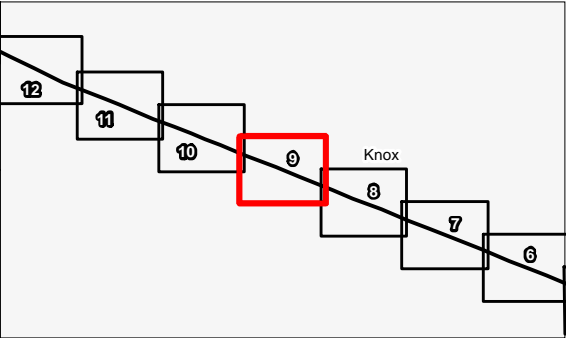
Field Delineated Emergent Wetland

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○

Field Delineated Scrub-Shrub Wetland



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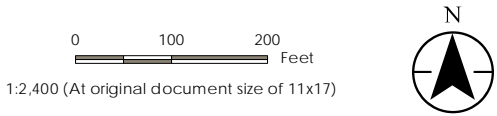
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Legend

■

AEP Substation

○

Structure to be Replaced

—

138 kV Transmission Line

—

Access Road

□

Project Area (100' ROW and 30' Access Roads)

▲

Existing Culvert

○

Photo Location

●

Existing Gravel Road

●

Residential Lawn

●

New Field

●

Old Field

●

Pasture

●

Hay Field

●

Agricultural Row Crop

—

Field Delineated Waterway

—

Approximate Waterway

—

Upland Drainage Feature

—

Approximate Upland Drainage Feature

○

Open Water

○

Approximate Wetland

—

Field Delineated Wetland

—

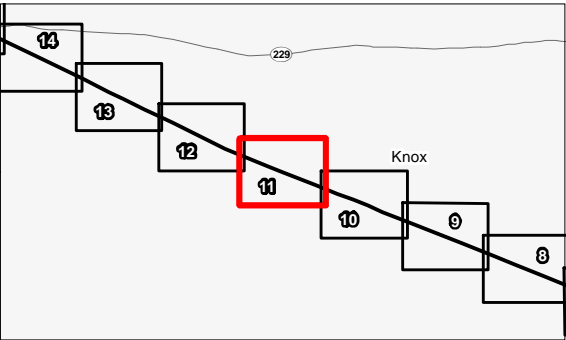
Field Delineated Emergent Wetland

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Field Delineated Scrub-Shrub Wetland



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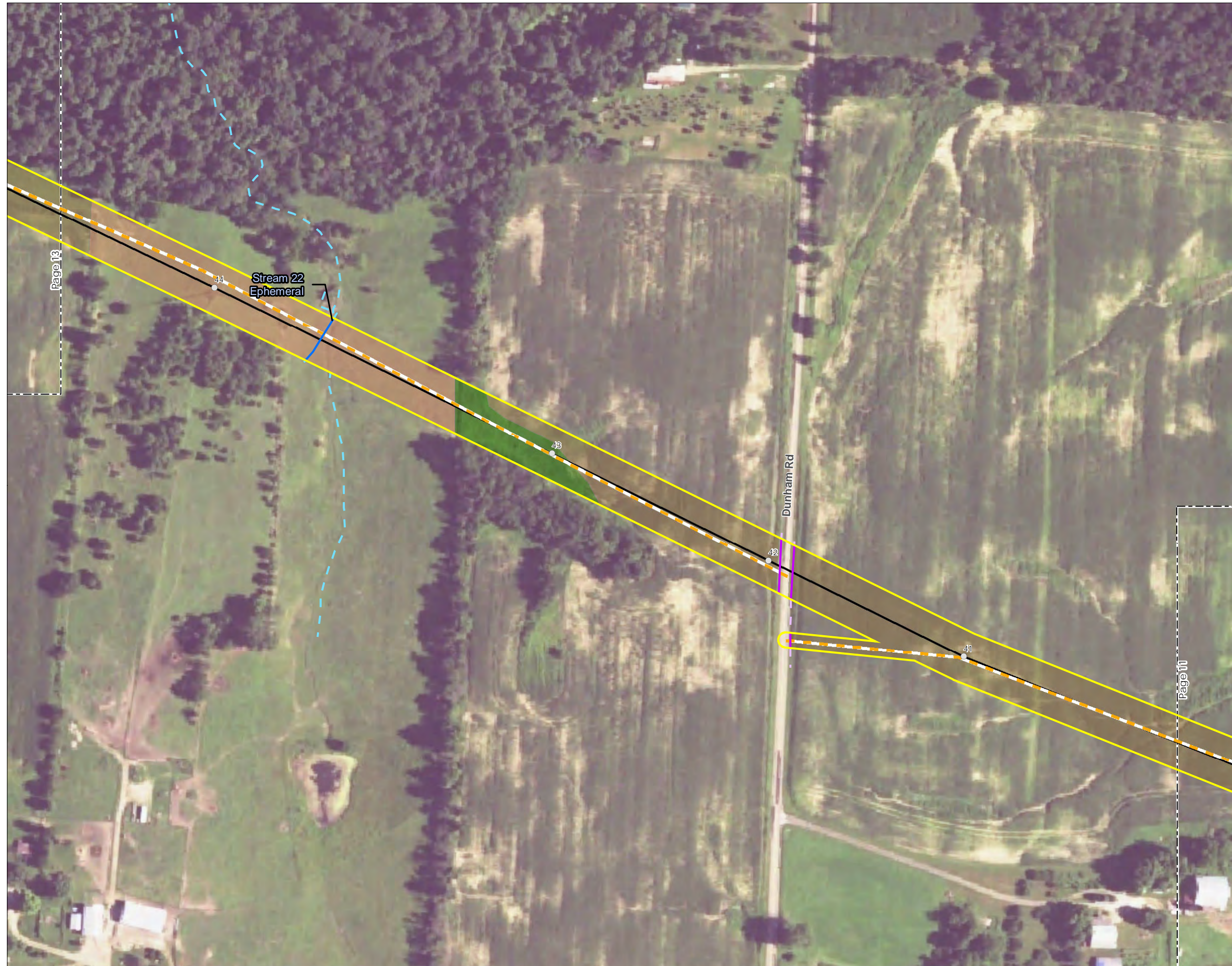


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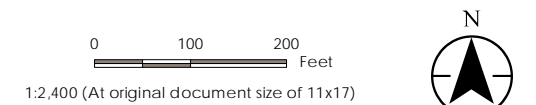
Habitat Assessment Map

Client/Project

























American Electric Power  
Mt. Vernon Station - Hedding Station  
138 kV Transmission Line Rebuild Project

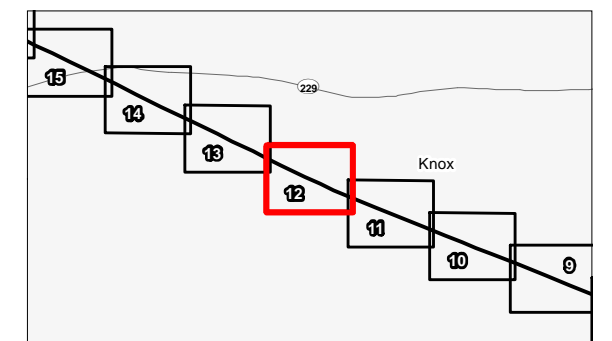
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Legend

- |   |  |   |                                      |
|---|--|---|--------------------------------------|
|    | AEP Substation                               |    | Field Delineated Waterway            |
|    | Structure to be Replaced                     |    | Approximate Waterway                 |
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|    | Access Road                                  |    | Approximate Upland Drainage Feature  |
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|  | Old Field                                    |   |                                      |
|  | Pasture                                      |   |                                      |
|  | Hay Field                                    |   |                                      |
|  | Agricultural Row Crop                        |   |                                      |



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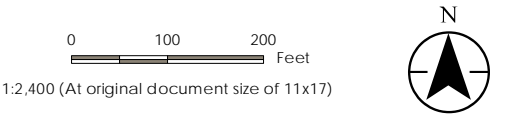
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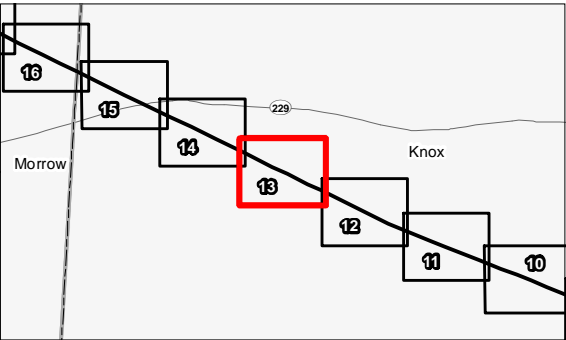
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|--|--------------------------------------|
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| Access Road                                  | Approximate Upland Drainage Feature  |
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| Old Field                                    |                                      |
| Pasture                                      |                                      |
| Hay Field                                    |                                      |
| Agricultural Row Crop                        |                                      |



- Notes
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  3. Orthophotography: 2015 NAIP





**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**9/26/2016 12:14:14 PM**

**in**

**Case No(s). 16-1530-EL-BLN**

Summary: Letter of Notification - Part 11 electronically filed by Mr. Hector Garcia on behalf of AEP Ohio Transmission Company