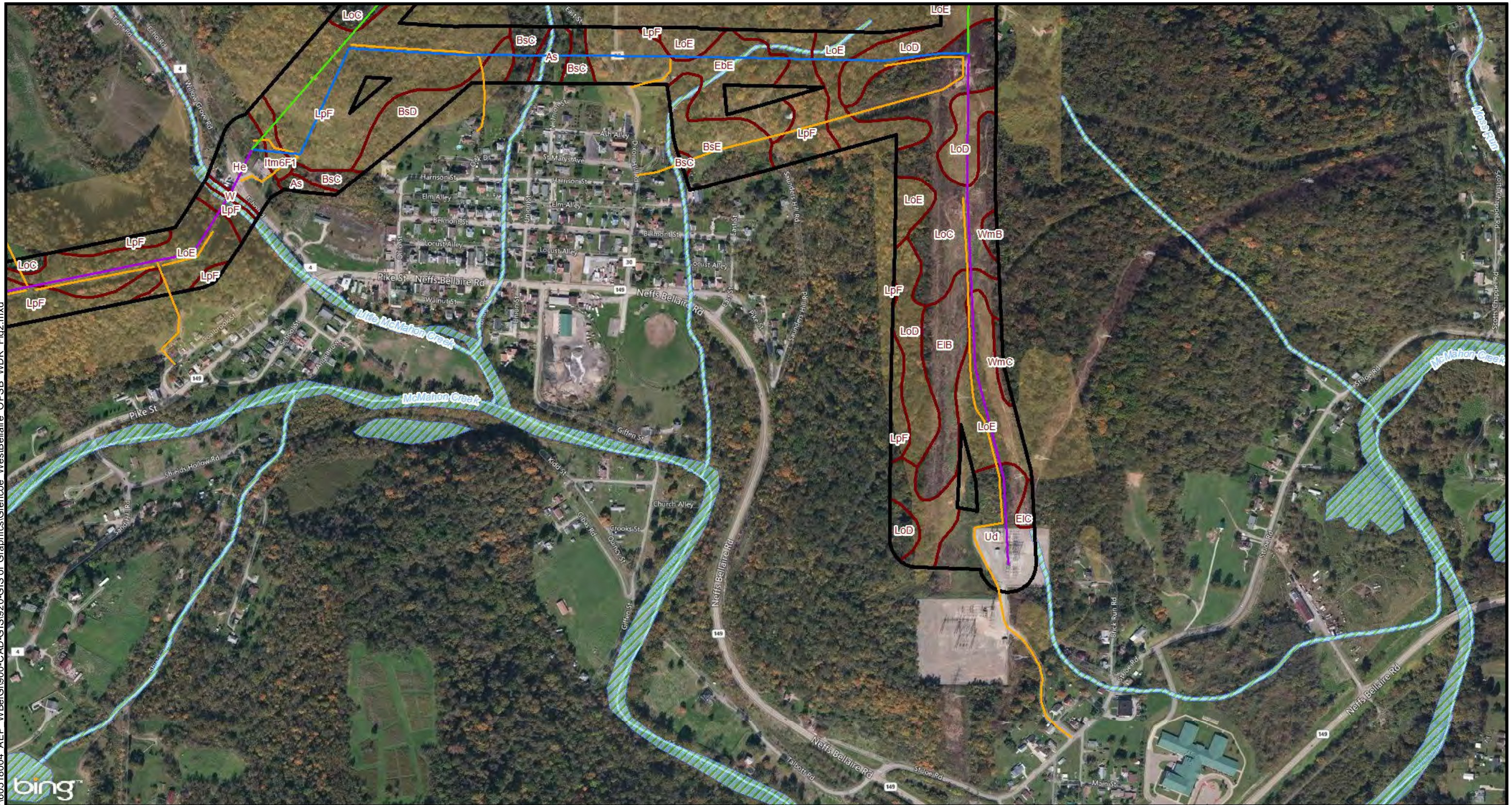


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LEGEND:

- Preferred Route
- Alternate Route
- Rebuild Section
- Preliminary Access Road
- Soil Unit
- Ecological Survey Corridor

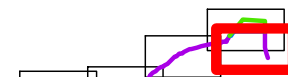
- NWI Wetland
- NHD Stream
- Slope Exceeds 12%

As-Ashton silt loam
BsC-Brookside silty clay loam
BsD-Brookside silty clay loam
BsE-Brookside silty clay loam
EbE-Elba silty clay loam
EIB-Elkinsville silt loam
EIC-Elkinsville silt loam
He-Hartshorn silt loam
Itm6F1-Itmann very channery loam

LoC-Lowell-Westmoreland silt loams
LoD-Lowell-Westmoreland silt loams
LoE-Lowell-Westmoreland silt loams
LpF-Lowell-Westmoreland silt loams, benched
Ud-Udorthents-Urban land complex
W-Water
WmB-Westmoreland silt loam
WmC-Westmoreland silt loam

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



AEP OHIO TRANSMISSION COMPANY

West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 2A
SOIL MAP UNIT AND NATIONAL
WETLAND INVENTORY MAP

JOB NO. 60518004

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LEGEND:

- Preferred Route
- Alternate Route
- Rebuild Section
- Preliminary Access Road
- Soil Unit
- Ecological Survey Corridor

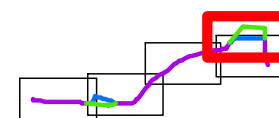
- NWI Wetland
- NHD Stream
- Slope Exceeds 12%

As-Ashton silt loam
BsC-Brookside silty clay loam
BsD-Brookside silty clay loam
BsE-Brookside silty clay loam
EbE-Elba silty clay loam
EIB-Elkinsville silt loam
He-Hartshorn silt loam
Itm6F1-Itmann very channery loam
LoC-Lowell-Westmoreland silt loams

LoD-Lowell-Westmoreland silt loams
LoE-Lowell-Westmoreland silt loams
LpF-Lowell-Westmoreland silt loams, benched
W-Water
WmB-Westmoreland silt loam
WmC-Westmoreland silt loam

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



AEP OHIO TRANSMISSION COMPANY

West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 2B
SOIL MAP UNIT AND NATIONAL
WETLAND INVENTORY MAP

JOB NO. 60518004

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LEGEND:

- Rebuild Section
- Preliminary Access Road
- Soil Unit
- Ecological Survey Corridor
- NWI Wetland
- NHD Stream

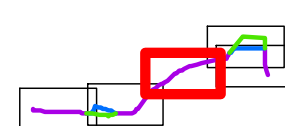
Slope Exceeds 12%

BsC-Brookside silty clay loam
Cg-Chagrin silt loam
EbE-Elba silty clay loam
Itm6F1-Itmann very channery loam
LoC-Lowell-Westmoreland silt loams
LoD-Lowell-Westmoreland silt loams
LoE-Lowell-Westmoreland silt loams
LoF-Lowell-Westmoreland silt loams

LpF-Lowell-Westmoreland silt loams, benched
Mwh4F1-Morristown channery silt loam
Omm1B1-Omulga silt loam, mixed substratum
Omm1C1-Omulga silt loam, mixed substratum
WkB-Westmore silt loam
WmC-Westmoreland silt loam
WmD-Westmoreland silt loam

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



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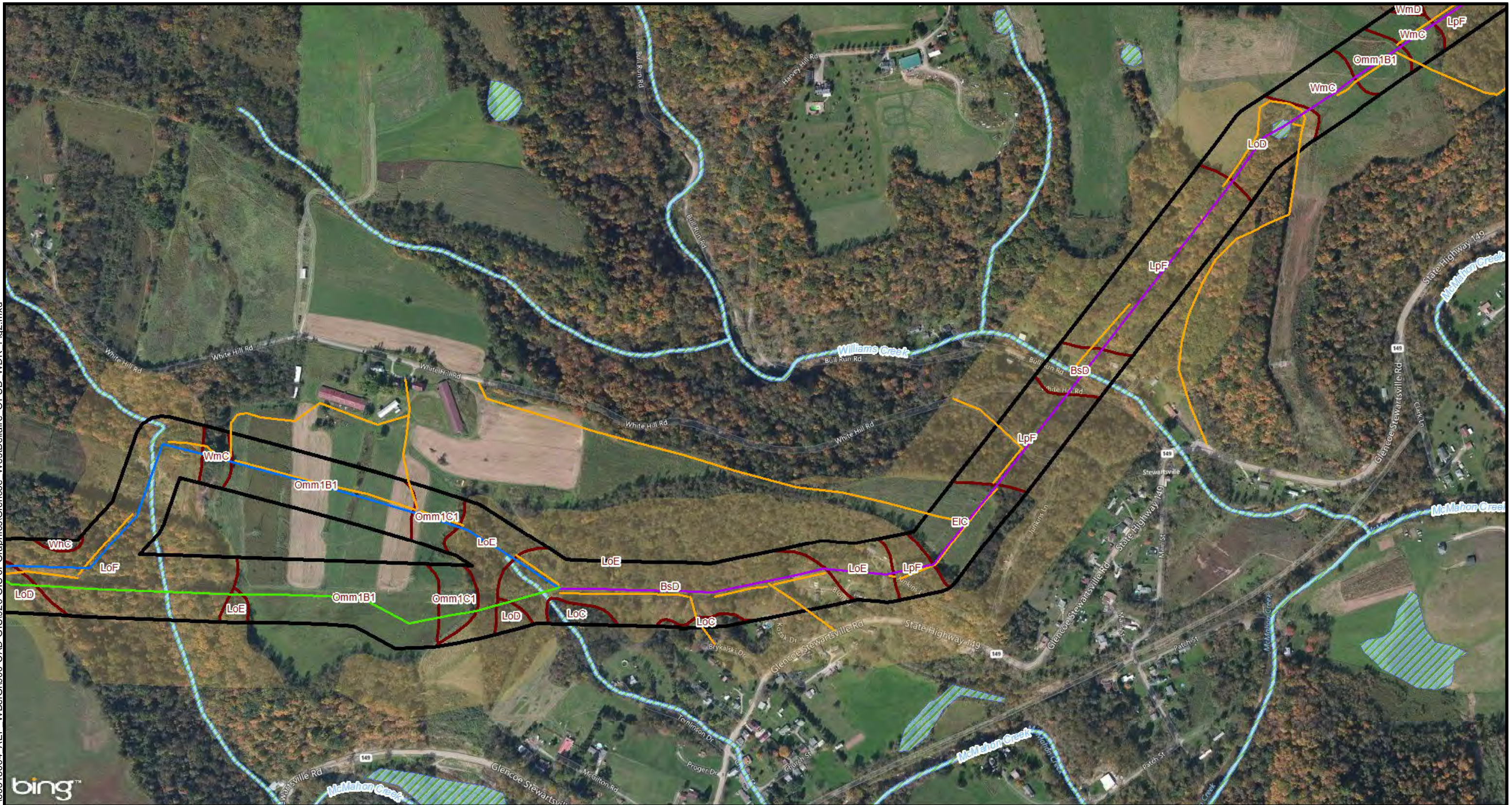
West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 2C
SOIL MAP UNIT AND NATIONAL
WETLAND INVENTORY MAP

JOB NO. 60518004

AECOM

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LEGEND:

- Preferred Route
- Alternate Route
- Rebuild Section
- Preliminary Access Road
- Soil Unit
- Ecological Survey Corridor

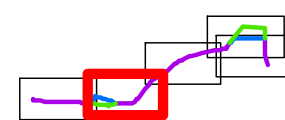
- NWI Wetland
- NHD Stream
- Slope Exceeds 12%

BsD-Brookside silty clay loam
EIC-Elkinsville silt loam
LoC-Lowell-Westmoreland silt loams
LoD-Lowell-Westmoreland silt loams
LoE-Lowell-Westmoreland silt loams
LoF-Lowell-Westmoreland silt loams
LpF-Lowell-Westmoreland silt loams, benched
Omm1B1-Omulga silt loam, mixed substratum
Omm1C1-Omulga silt loam, mixed substratum

WhC-Wellston silt loam
WmC-Westmoreland silt loam
WmD-Westmoreland silt loam

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



AEP OHIO TRANSMISSION COMPANY

West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 2D
SOIL MAP UNIT AND NATIONAL
WETLAND INVENTORY MAP

JOB NO. 60518004

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LEGEND:

- Preferred Route
- Alternate Route
- Rebuild Section
- Preliminary Access Road
- Soil Unit
- Ecological Survey Corridor

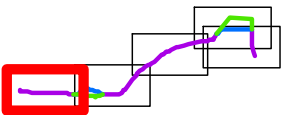
- NWI Wetland
- NHD Stream
- Slope Exceeds 12%

- Cg-Chagrin silt loam
- CuC-Culleoka silt loam
- LeD-Lowell silt loam, moderately wet
- LoB-Lowell-Westmoreland silt loams
- LoC-Lowell-Westmoreland silt loams
- LoD-Lowell-Westmoreland silt loams
- LoE-Lowell-Westmoreland silt loams
- LoF-Lowell-Westmoreland silt loams
- LpF-Lowell-Westmoreland silt loams, benched

- Ne-Newark silt loam
- RhB-Richland silt loam
- W-Water
- WhC-Wellston silt loam
- WmC-Westmoreland silt loam

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



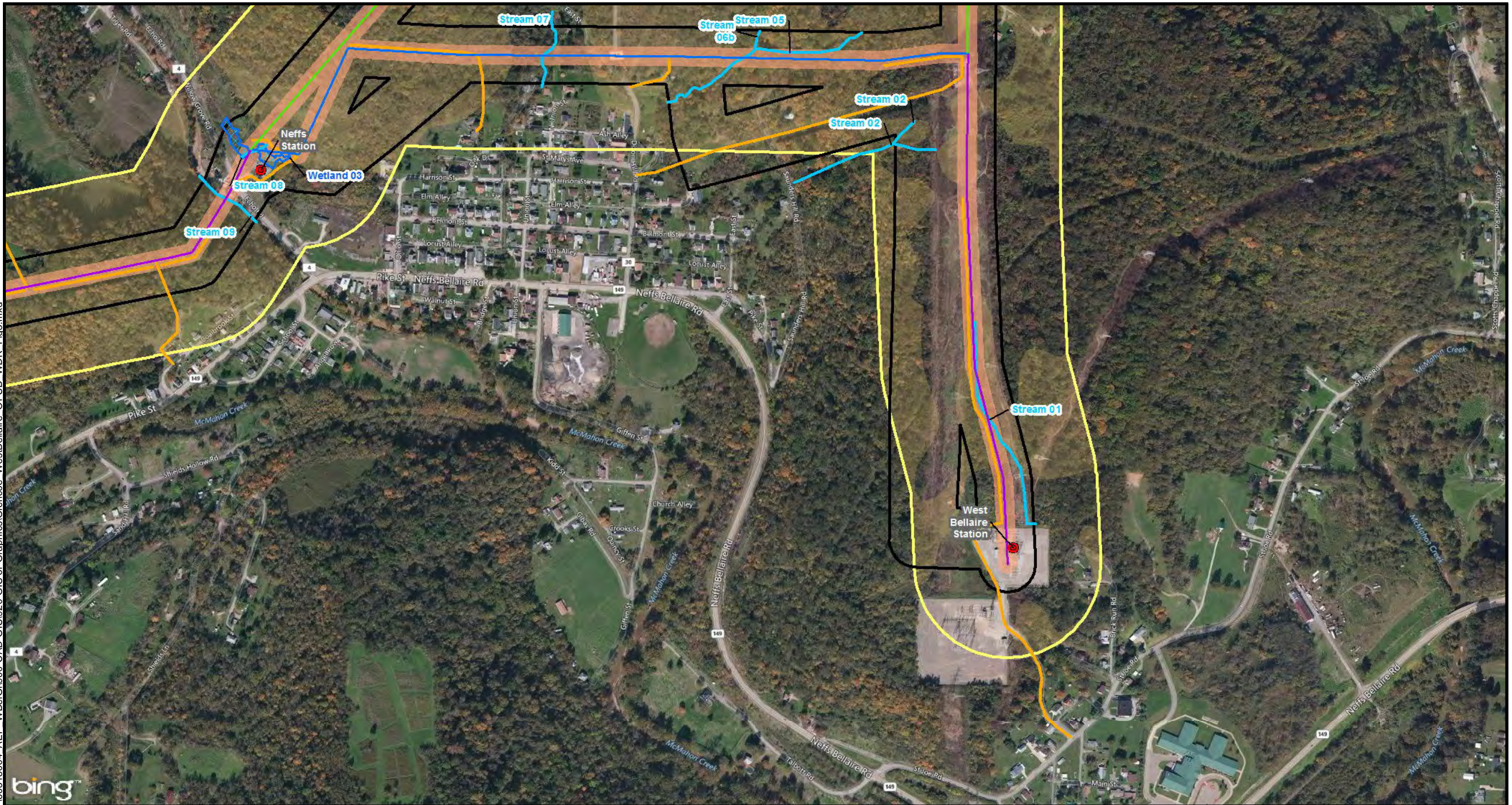
West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 2E
SOIL MAP UNIT AND NATIONAL
WETLAND INVENTORY MAP

JOB NO. 60518004



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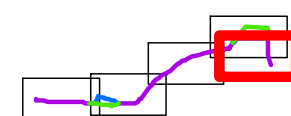


LEGEND:

- | | |
|-------------------------|----------------------------|
| Substation | Ecological Survey Corridor |
| Preferred Route | 1,000-foot Route Buffer |
| Alternate Route | Delineated Stream |
| Rebuild Section | Delineated Wetland |
| Preliminary Access Road | Slope Exceeds 12% |
| Proposed 100-foot ROW | |

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



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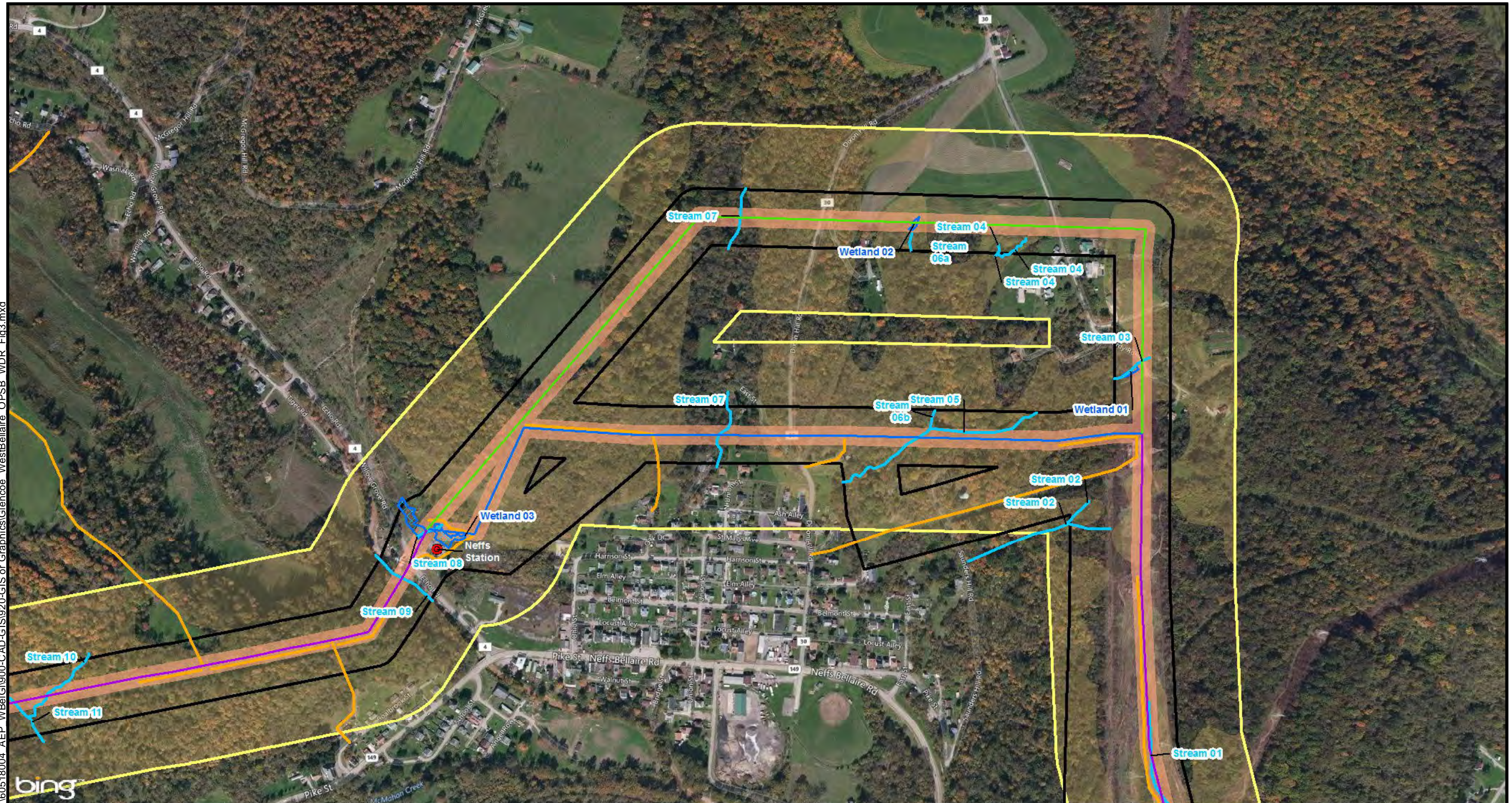
West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 3A
DELINEATED ECOLOGICAL FEATURES
WITHIN SURVEY CORRIDOR

JOB NO. 60518004

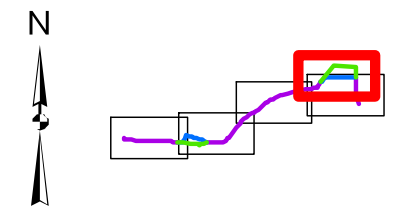
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- LEGEND:
- Substation
 - Preferred Route
 - Alternate Route
 - Rebuild Section
 - Preliminary Access Road
 - Proposed 100-foot ROW
 - Ecological Survey Corridor
 - 1,000-foot Route Buffer
 - Delineated Stream
 - Delineated Wetland
 - Slope Exceeds 12%

0 500 1,000
Feet
Base Map Source:
ArcGIS Online, Bing Map Hybrid

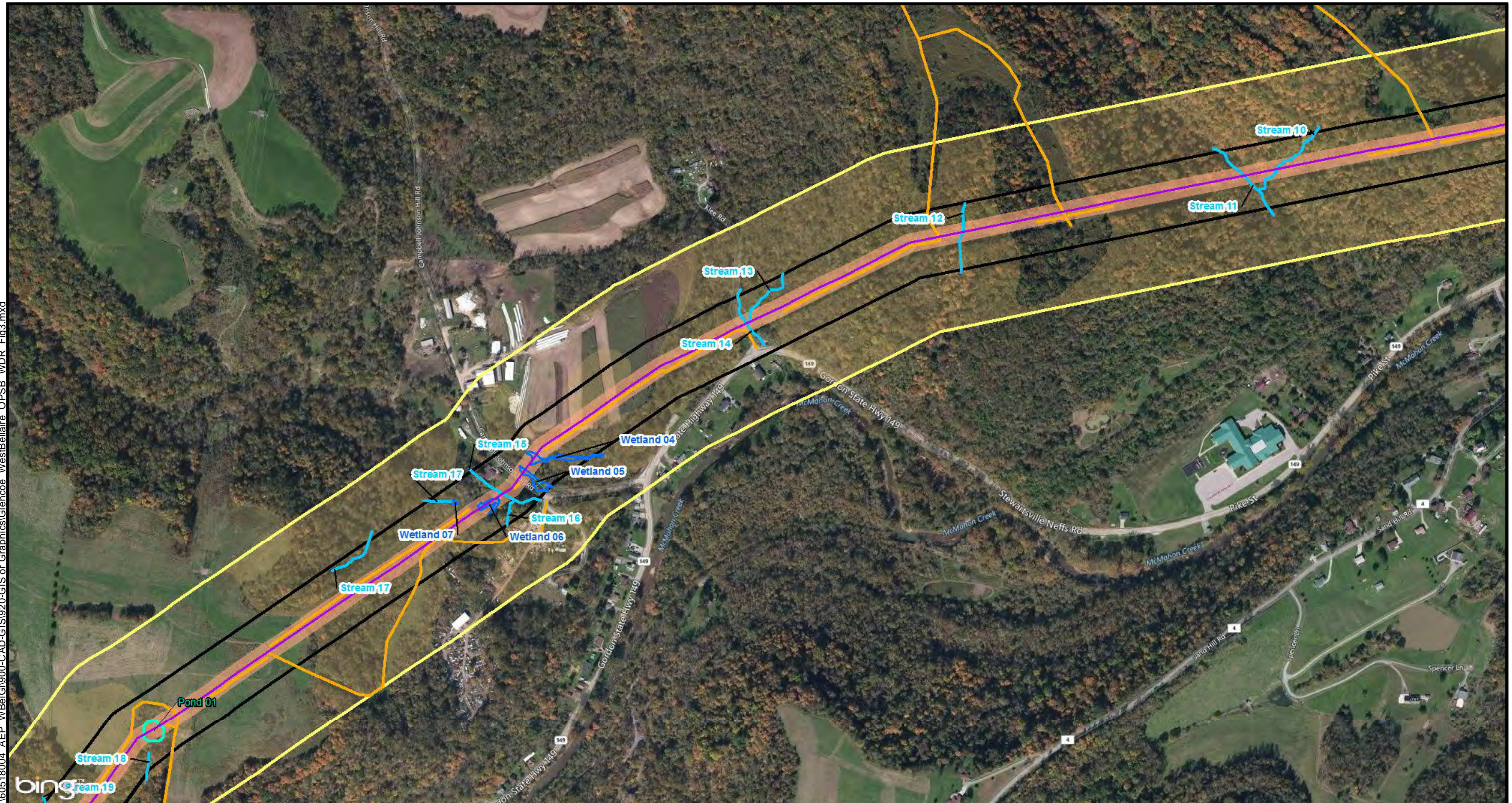


West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 3B
DELINEATED ECOLOGICAL FEATURES
WITHIN SURVEY CORRIDOR

JOB NO. 60518004

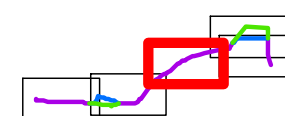
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- LEGEND:
- Rebuild Section
 - Preliminary Access Road
 - Proposed 100-foot ROW
 - Ecological Survey Corridor
 - 1,000-foot Route Buffer
 - Delineated Stream
 - Delineated Pond
 - Delineated Wetland
 - Slope Exceeds 12%

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



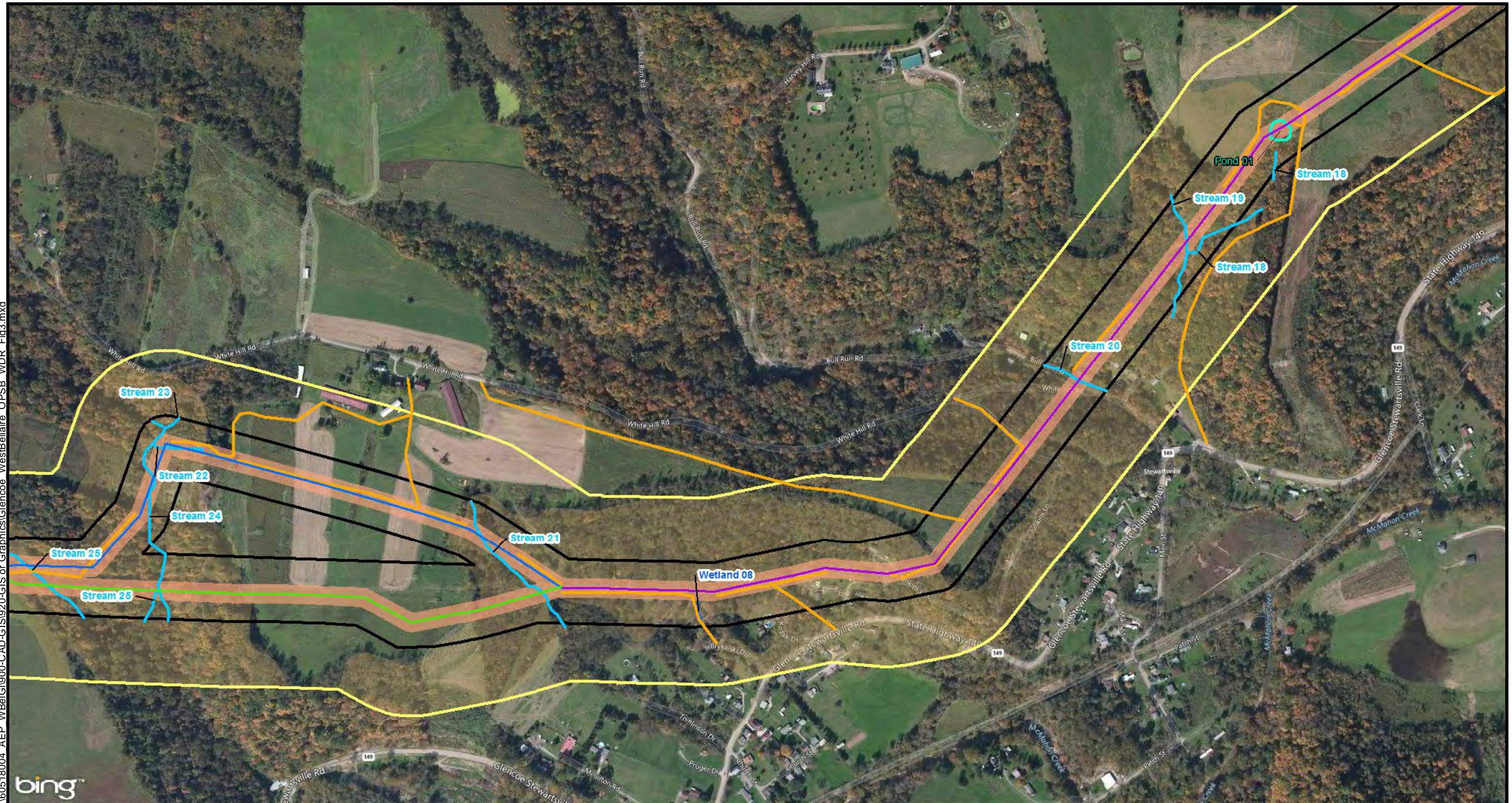
West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 3C
DELINEATED ECOLOGICAL FEATURES
WITHIN SURVEY CORRIDOR

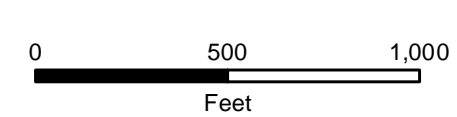
JOB NO. 60518004

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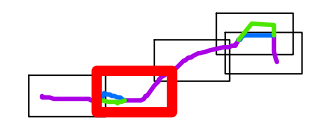
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- LEGEND:
- | | |
|----------------------------|-------------------------|
| Preferred Route | 1,000-foot Route Buffer |
| Alternate Route | Delineated Stream |
| Rebuild Section | Delineated Pond |
| Preliminary Access Road | Delineated Wetland |
| Proposed 100-foot ROW | Slope Exceeds 12% |
| Ecological Survey Corridor | |



Base Map Source:
ArcGIS Online, Bing Map Hybrid



West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 3D
DELINEATED ECOLOGICAL FEATURES
WITHIN SURVEY CORRIDOR

JOB NO. 60518004

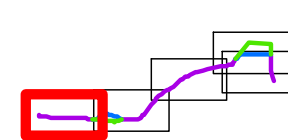
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- LEGEND:
- | | |
|-------------------------|----------------------------|
| Substation | Ecological Survey Corridor |
| Preferred Route | 1,000-foot Route Buffer |
| Alternate Route | Delineated Stream |
| Rebuild Section | Delineated Pond |
| Preliminary Access Road | Delineated Wetland |
| Proposed 100-foot ROW | Slope Exceeds 12% |

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



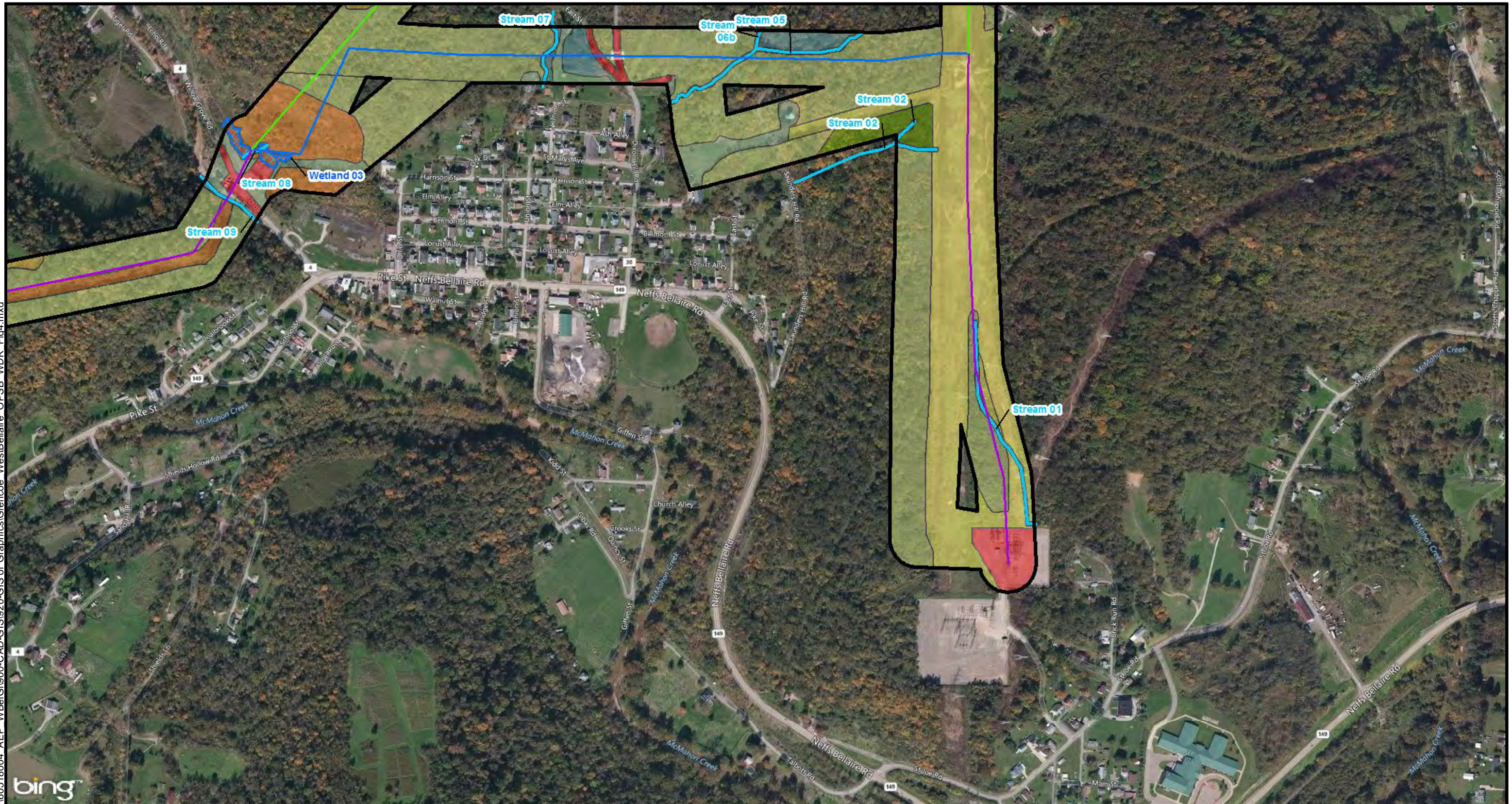
West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 3E
DELINEATED ECOLOGICAL FEATURES
WITHIN SURVEY CORRIDOR

JOB NO. 60518004

AECOM

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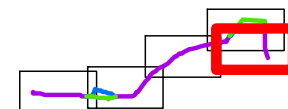


LEGEND:

- | | | |
|------------------------------|---|----------------------|
| — Preferred Route | — Delineated Stream | — Old Field |
| — Alternate Route | — Delineated Wetland | — Pasture/Hay Fields |
| — Rebuild Section | — Beech Maple Mesic Upland Forest | — Scrub-Shrub |
| — Ecological Survey Corridor | — Bottomland Hardwood Woodlands | — Stream/Wetland |
| | — Landscaped Area | — Urban |
| | — Oak-Hickory and Successional Hardwood Woodlands | |

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



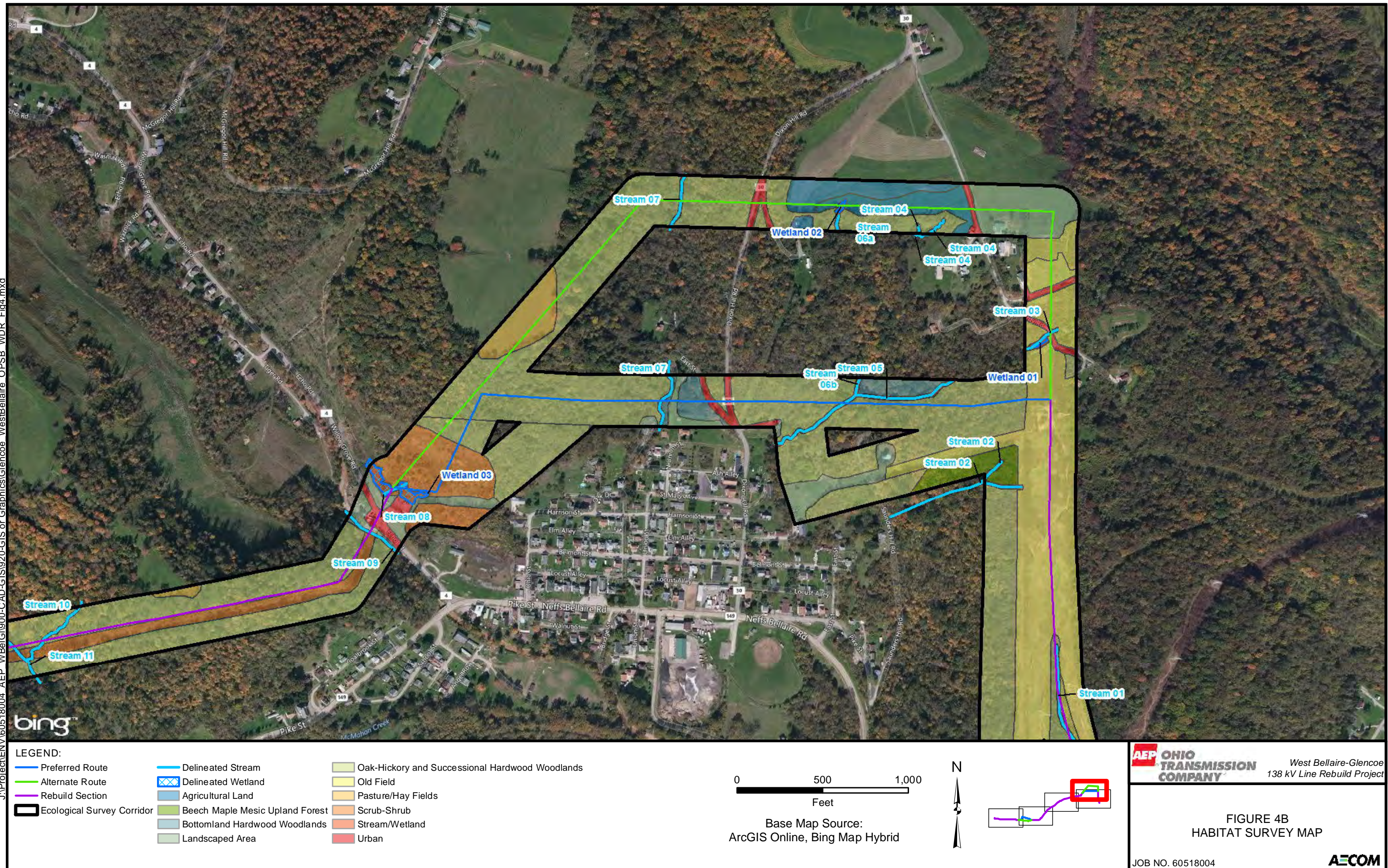
West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 4A
HABITAT SURVEY MAP

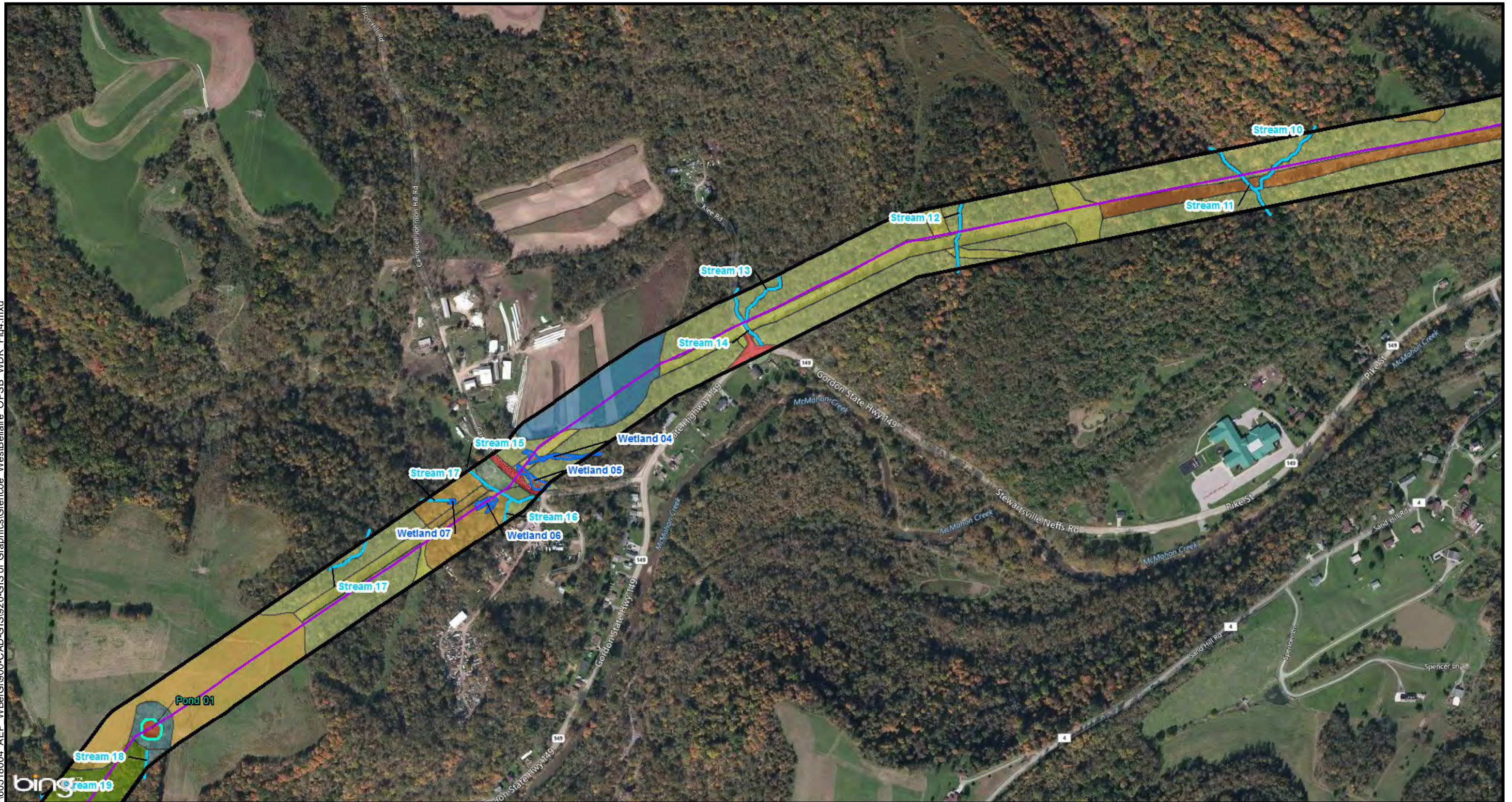
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LEGEND:

- | | | |
|----------------------------|---------------------------------|---|
| Rebuild Section | Delineated Stream | Oak-Hickory and Successional Hardwood Woodlands |
| Ecological Survey Corridor | Delineated Pond | Old Field |
| | Delineated Wetland | Pasture/Hay Fields |
| | Agricultural Land | Scrub-Shrub |
| | Beech Maple Mesic Upland Forest | Stream/Wetland |
| | Bottomland Hardwood Woodlands | Urban |
| | Landscaped Area | |

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 4C
HABITAT SURVEY MAP

JOB NO. 60518004

AECOM

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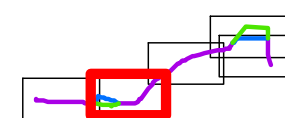


LEGEND:

- | | | |
|----------------------------|---------------------------------|---|
| Preferred Route | Delineated Stream | Landscaped Area |
| Alternate Route | Delineated Pond | Oak-Hickory and Successional Hardwood Woodlands |
| Rebuild Section | Delineated Wetland | Old Field |
| Ecological Survey Corridor | Agricultural Land | Pasture/Hay Fields |
| | Beech Maple Mesic Upland Forest | Scrub-Shrub |
| | Bottomland Hardwood Woodlands | Stream/Wetland |

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 4D
HABITAT SURVEY MAP

JOB NO. 60518004

AECOM

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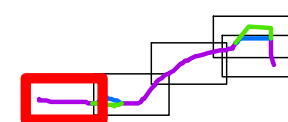


LEGEND:

- | | | |
|----------------------------|---------------------------------|---|
| Preferred Route | Delineated Stream | Oak-Hickory and Successional Hardwood Woodlands |
| Alternate Route | Delineated Pond | Old Field |
| Rebuild Section | Delineated Wetland | Pasture/Hay Fields |
| Ecological Survey Corridor | Beech Maple Mesic Upland Forest | Scrub-Shrub |
| | Bottomland Hardwood Woodlands | Stream/Wetland |
| | Landscaped Area | Urban |

0 500 1,000
Feet

Base Map Source:
ArcGIS Online, Bing Map Hybrid



West Bellaire-Glencoe
138 kV Line Rebuild Project

FIGURE 4E
HABITAT SURVEY MAP

JOB NO. 60518004

AECOM

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

1/27/2017 12:13:30 PM

in

Case No(s). 16-1557-EL-BTX

Summary: Application electronically filed by Mrs. Erin C Miller on behalf of AEP Ohio
Transmission Company