

Table 1
ODNR RTE Species and Critical Habitat Review Results¹

Common Name	Scientific Name	Habitat Type	Listing Status ¹	Habitat Type Present Within the Project Area?	Impacts to Habitat/Species Anticipated?	Restricted Construction Dates
<i>Amphibians</i>						
Midland mud salamander	<i>Pseudotriton montanus diastictus</i>	Under large, flat stones, preferably in muddy areas	T	No	No; Known habitat types are not present within the Project area	-
<i>Bats</i>						
Indiana bat	<i>Myotis sodalis</i>	Trees >3" dbh	E, FE	Yes	Yes; Avoided with winter tree clearing	April 1 to September 30
<i>Insects</i>						
Regal fritillary	<i>Speyeria idalia</i>	Tall grass and mixed-grass prairies	E	No	No; Known habitat types are not present within the Project area	-
<i>Fish</i>						
Lake chubsucker	<i>Erimyzon sucetta</i>	Natural lakes and very sluggish streams or marshes with dense aquatic vegetation and clear waters	T	No	No; Known habitat types are not present within the Project area	-
<i>Mammals</i>						
Allegheny woodrat	<i>Neotoma magister</i>	Rocky areas associated with mountain ridges such as cliffs, caves, and rocky fissures	E	No	No; Known habitat types are not present within the Project area	-
Black bear	<i>Ursus americanus</i>	Large forested areas	E	No	No; Known habitat types are not present within the Project area	-
Bobcat	<i>Lynx rufus</i>	Varies; Generally solitary, territorial, and elusive	T	No	No; Known habitat types are not present within the Project area	-
<i>Mussels</i>						
Elephant-ear	<i>Elliptio crassidens crassidens</i>	Large rivers in mud, sand or fine gravel	E	No	No; Known habitat types are not present within the Project area	-
Sharp-ridged pocketbook	<i>Lampsilis ovata</i>	Large rivers in coarse sand or gravel	E	No	No; Known habitat types are not present within the Project area	-

Common Name	Scientific Name	Habitat Type	Listing Status ¹	Habitat Type Present Within the Project Area?	Impacts to Habitat/Species Anticipated?	Restricted Construction Dates
<i>Mussels (Cont.)</i>						
Little spectaclecase	<i>Villosa lienosa</i>	Small to medium streams in sand or gravel	E	No	No; Known habitat types are not present within the Project area	-
Black sandshell	<i>Ligumia recta</i>	Found in varying sizes of creeks, rivers, and lakes with sand and gravel bottoms and a moderate current	T	No	No; Known habitat types are not present within the Project area	-
Fawnsfoot	<i>Truncilla donaciformis</i>	Found in rivers and lakes in mud or sandy mud, both in quiet or in moving water; More common in the Lake Erie tributaries, but very rare east of the Sandusky River	T	No	No; Known habitat types are not present within the Project area	-
Pondhorn	<i>Unio merus tetralasmus</i>	Ponds, small creeks, and the headwaters of larger streams in mud or sand	T	No	No; Known habitat types are not present within the Project area	-
<i>Plants</i>						
Small white snakeroot	<i>Ageratina aromatica</i>	A variety of well-drained open areas on acidic soils	E	No	No; Known habitat types are not present within the Project area	-
Louisiana sedge	<i>Carex louisianica</i>	Swamp woods and shaded alluvial situations	E	No	No; Known habitat types are not present within the Project area	-
Willdenow's croton	<i>Croton willdenowii</i>	Barren stony or sandy clearings	E	No	No; Known habitat types are not present within the Project area	-
Sessile dodder	<i>Cuscuta compacta</i>	Low woods and thickets	E	No	No; Known habitat types are not present within the Project area	-
Many-flowered umbrella-sedge	<i>Cyperus lancastricensis</i>	A variety of open, dry situations, usually in sandy soils; Fields, barrens, clearings, and open woods	E	Yes	No; Project area dominated by grasses, sedges were not observed	-
Rough umbrella-sedge	<i>Cyperus retrofractus</i>	A variety of open, dry situations, usually in sandy soil; Fields, open woods, clearings, and barrens	E	Yes	No; Project area dominated by grasses, sedges were not observed	-

Common Name	Scientific Name	Habitat Type	Listing Status ¹	Habitat Type Present Within the Project Area?	Impacts to Habitat/Species Anticipated?	Restricted Construction Dates
<i>Plants (Cont.)</i>						
Velvet panic grass	<i>Dichanthelium scoparium</i>	Seepage meadows	E	No	No; Known habitat types are not present within the Project area	-
Engelmann's spike-rush	<i>Eleocharis engelmannii</i>	Mudflats along margins of ponds and lakes	E	No	No; Known habitat types are not present within the Project area	-
Wolf's spike-rush	<i>Eleocharis wolfii</i>	Moist, open areas; Pond margins; Fields	E	Yes	No; Project area dominated by dry, upland grasses	-
Hyssop thoroughwort	<i>Eupatorium hyssopifolium</i>	A variety of well-drained, open areas on acidic soils	E	No	No; Known habitat types are not present within the Project area	-
Sampson's snakeroot	<i>Gentiana villosa</i>	Mesic woodlands, pinelands, dry ravines, and roadsides	E	No	No; Known habitat types are not present within the Project area	-
Coppery St. John's-wort	<i>Hypericum denticulatum</i>	Usually wet, shaded to open situations; Low woods, bogs, and marshes	E	No	No; Known habitat types are not present within the Project area	-
Appalachian quillwort	<i>Isoetes engelmannii</i>	Open sun in shallow bodies of water; Pond margins and ditches	E	No	No; Known habitat types are not present within the Project area	-
Woodland rush	<i>Juncus subcaudatus</i>	Marshes, edges of streams, and peaty acidic and basic wetlands including fens; Wide variety of wet habitats	E	No	No; Known habitat types are not present within the Project area	-
One-coned club-moss	<i>Lycopodium lagopus</i>	Openings in woodlands and fields	E	No	No; Known habitat types are not present within the Project area	-
Bigleaf magnolia	<i>Magnolia macrophylla</i>	Mesic wooded ravines and near the tops of these ravines in oak woods	E	No	No; Known habitat types are not present within the Project area	-
Curtiss' milkwort	<i>Polygala curtissii</i>	Open to semi-open situations in dry to moist, rocky to sandy soil; Woods borders, old fields, and thickets	E	No	No; Known habitat types are not present within the Project area	-
Spotted pondweed	<i>Potamogeton pulcher</i>	Peaty or muddy, acid waters or shores	E	No	No; Known habitat types are not present within the Project area	-
Flame azalea	<i>Rhododendron calendulaceum</i>	Open woods and cleared areas on well-drained, acidic soils	E	No	No; Known habitat types are not present within the Project area	-

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<i>Plants (Cont.)</i>						
Narrow-leaved bluecurls	<i>Trichostema dichotomum</i> var. <i>linare</i>	Dry upland or sandy woods; Old fields	E	No	No; Known habitat types are not present within the Project area	-
Running buffalo clover	<i>Trifolium stoloniferum</i>	Mesic habitats with partial sunlight including woodlands and mowed lawns	E, FE	Yes	No; Project area receives full sunlight rather than filtered sunlight	-
Primrose-leaved violet	<i>Viola primulifolia</i>	Moist, open situations, usually in sandy soil; Meadows, edges of ponds, streams, marshes, and swamps	E	No	No; Known habitat types are not present within the Project area	-
Bluehearts	<i>Buchnera americana</i>	Full sun in well-drained, often rocky, openings and woodlands; Prairies, pastures, roadbanks; At times on severely eroded slopes	T	No	No; Known habitat types are not present within the Project area	-
Bartley's reed grass	<i>Calamagrostis porter</i> ssp. <i>insperata</i>	Dry upland areas in sun or partial shade; <i>Jackson County population is under a powerline</i>	T	Yes	No; <i>Calamagrostis</i> species were not identified within the Project area	-
Bush's sedge	<i>Carex bushii</i>	Moist prairies, fields, and meadows in full sun	T	Yes	No; Project area dominated by grasses, sedges were not observed	-
Flattened sedge	<i>Carex complanata</i>	Dry, open woods with neutral to acidic soils	T	No	No; Known habitat types are not present within the Project area	-
Short-fringed sedge	<i>Carex crinita</i> var. <i>brevicrinis</i>	Swamp woods, seeps in woods, and along streams	T	No	No; Known habitat types are not present within the Project area	-
Reznicek's sedge	<i>Carex reznicekii</i>	Dry woods on sandy soils	T	No	No; Known habitat types are not present within the Project area	-
Lindheimer's panic grass	<i>Dichanthelium lindheimeri</i>	Open, moist, gravelly, often calcareous shores	T	No	No; Known habitat types are not present within the Project area	-
Slender spike-rush	<i>Eleocharis tenuis</i>	Moist soils in xeric limestone prairies; Wet meadows, shores of ponds, ditches, and disturbed, moist habitats	T	No	No; Known habitat types are not present within the Project area	-

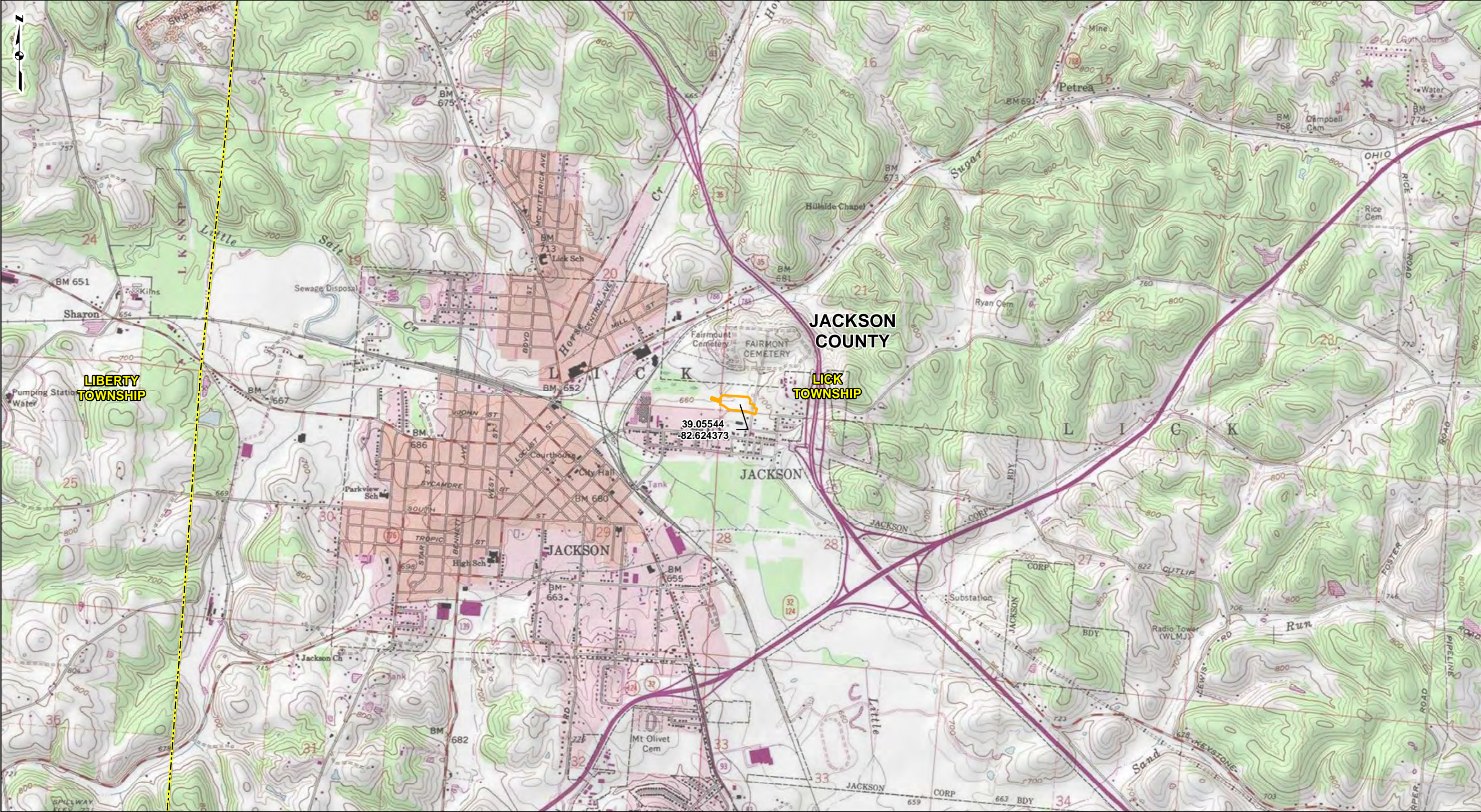
Common Name	Scientific Name	Habitat Type	Listing Status ¹	Habitat Type Present Within the Project Area?	Impacts to Habitat/Species Anticipated?	Restricted Construction Dates
<i>Plants (Cont.)</i>						
White thoroughwort	<i>Eupatorium album</i>	A variety of well-drained, open areas on acidic soils	T	No	No; Known habitat types are not present within the Project area	-
Round-fruited hedge-hyssop	<i>Gratiola virginiana</i>	Shores of rivers or lakes, wetland margins	T	No	No; Known habitat types are not present within the Project area	-
Ashy sunflower	<i>Helianthus mollis</i>	A variety of well-drained, sunny openings; Dry prairies, railroad embankments, roadsides, wood borders, and clearings; Usually in neutral substrates	T	Yes	No; Species not anticipated to be present within the Project area even though the habitat types may be present	-
Inland rush	<i>Juncus interior</i>	Moist to dry, open to semi-open situations; Often in sandy soil; Roadsides, prairies, meadows, fallow fields, clearings, and upland woods	T	Yes	No; <i>Juncus</i> species were not identified within the Project area	-
Potato-dandelion	<i>Krigia dandelion</i>	Open oak woods and prairies, usually in moist sandy soils	T	No	No; Known habitat types are not present within the Project area	-
Thyme-leaved pinweed	<i>Lechea minor</i>	Usually in full sun in dry, sandy woods, clearings, and roadside banks	T	No	No; Known habitat types are not present within the Project area	-
Downy white beard-tongue	<i>Penstemon pallidus</i>	Fields, roadsides, and open woods	T	Yes	No; <i>Penstemon</i> species were not identified within the Project area	-
Carolina leaf-flower	<i>Phyllanthus caroliniensis</i>	A variety of moist, open to semi-open situations, usually in sandy soil; Low woods, meadows, fields, and gravelly banks	T	No	No; Known habitat types are not present within the Project area	-
Pink milkwort	<i>Polygala incarnata</i>	Open to semi-open situations in dry, often sandy soil; Open upland woods, wood borders, prairies, and old fields	T	No	No; Known habitat types are not present within the Project area	-
Tennessee pondweed	<i>Potamogeton tennesseensis</i>	Still or flowing water	T	No	No; Known habitat types are not present within the Project area	-
Spanish oak	<i>Quercus falcata</i>	Usually in dry upland woods, less frequently in alluvial woods	T	No	No; Known habitat types are not present within the Project area	-

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<i>Plants (Cont.)</i>						
Chalky ramalina	<i>Ramalina pollinaria</i>	Rock and bark in sheltered areas; Recent Ohio collections have all been from sandstone, either cliff face or boulders below a cliff; Prefers light shade	T	No	No; Known habitat types are not present within the Project area	-
Low spearwort	<i>Ranunculus pusillus</i>	Low wet ground, swamps, and shallow pools	T	No	No; Known habitat types are not present within the Project area	-
Great rhododendron	<i>Rhododendron maximum</i>	Moist, cool, acidic, well-drained soils; Partial shade	T	No	No; Known habitat types are not present within the Project area	-
Narrow-leaved aster	<i>Sericocarpus linifolius</i>	Dry, open to semi-open situations; Upland woods, thickets, and clearings	T	No	No; Known habitat types are not present within the Project area	-
Sweet goldenrod	<i>Solidago odora</i>	Dry woods and roadsides	T	No	No; Known habitat types are not present within the Project area	-
Prairie wedge grass	<i>Sphenopholis obtusata</i> var. <i>obtusata</i>	Very generalized; Moist to dry soil of open woods, prairies, old fields, and fen meadows	T	No	No; Known habitat types are not present within the Project area	-
Large marsh St. John's-wort	<i>Triadenum tubulosum</i>	Swamp woods, buttonbush swamps, thickets, and streambanks	T	No	No; Known habitat types are not present within the Project area	-
Walter's St. John's-wort	<i>Triadenum walteri</i>	Swamp woods, buttonbush swamps, thickets, and streambanks	T	No	No; Known habitat types are not present within the Project area	-
<i>Reptiles</i>						
Timber rattlesnake	<i>Crotalus horridus</i>	Wooded areas	E, FSC	Yes	No; Impacts are not anticipated within the known habitat types	-
Kirtland's snake	<i>Clonophis kirtlandii</i>	Wooded areas	T	Yes	No; Impacts are not anticipated within the known habitat types	-

Notes:

- ¹ Results are tentatively based upon the State Listed Species list(s) for Jackson County and will be updated once the ODNR response is received.
- ² E = state endangered; T = state threatened; P = state potentially threatened; SC = state species of concern; FE = federal endangered; FT = federal threatened; FSC = federal species of concern; FC = federal candidate.

FIGURES






PROJECT LOCATION



JACKSON COUNTY, OHIO


REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: JACKSON (1978) AND WELLSTON (1977), OHIO, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND USGS, ACCESSED 06/2017.

LEGEND

-  STUDY AREA
-  COUNTY BOUNDARY
-  TOWNSHIP BOUNDARY

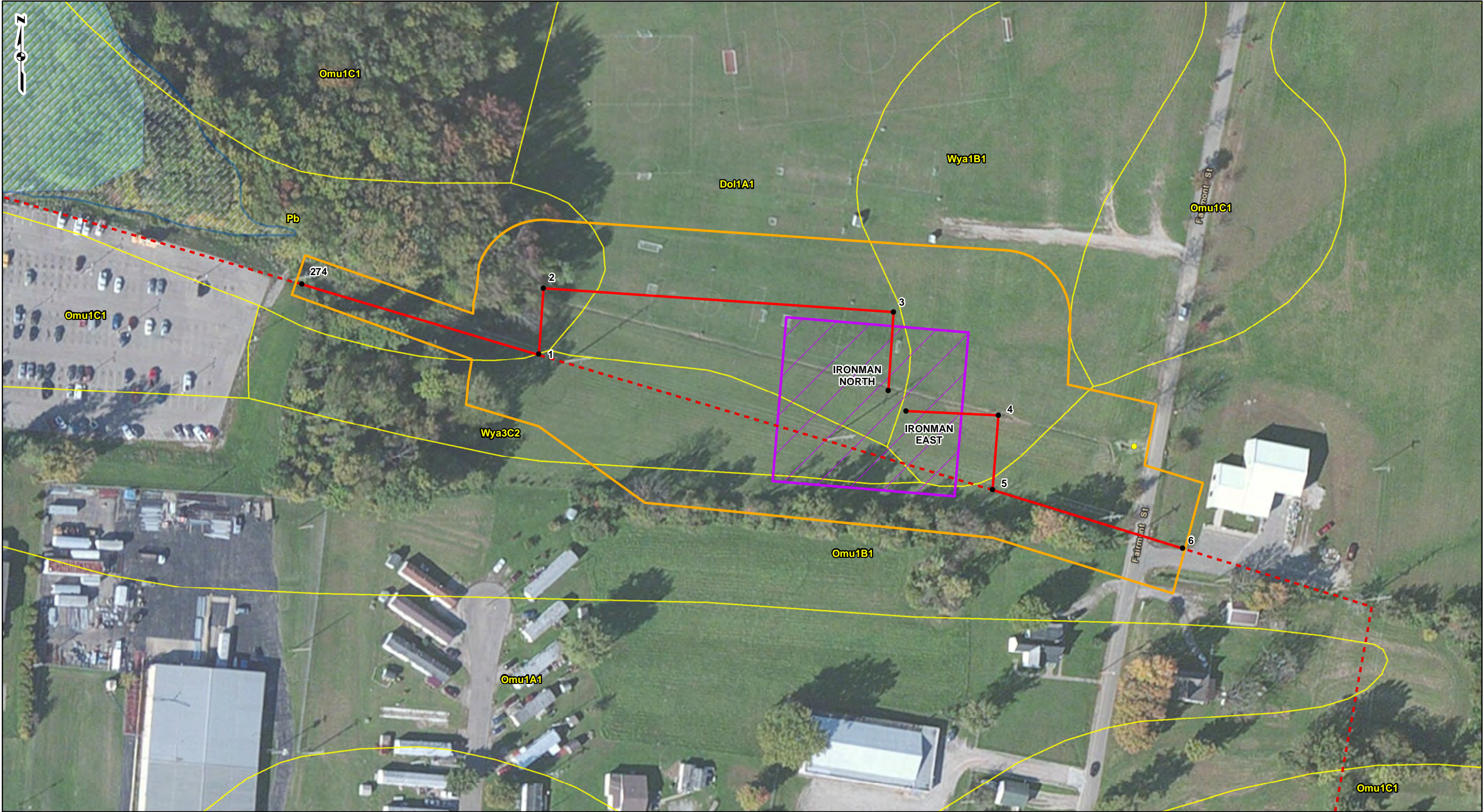
0 1,000 2,000 4,000 Feet

FIGURE 1
PROJECT LOCATION MAP

 **IRONMAN STATION PROJECT**
AEP OHIO TRANSMISSION COMPANY, INC.

DRAWN BY: AKW
CHECKED: SWW

DATE: 6/20/2017
APPROVED: ARW



PROJECT LOCATION



JACKSON COUNTY, OHIO


REFERENCES: ESRI WORLD IMAGERY, MICROSOFT, UC - G, 2011, ACCESSED 06/2017. WORLD TRANSPORTATION, ESRI, DELORME, HERE, MAPMYINDIA, TOMTOM, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, OBTAINED THROUGH ESRI ARCGIS ONLINE, ACCESSED 06/2017. NATIONAL WETLAND INVENTORY (NWI) WETLANDS, USFWS, 2015. NATIONAL FLOOD HAZARD LAYER, FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), OHIO, 2015. SOIL SURVEY GEOGRAPHIC (SSURGO) DATABASE FOR JACKSON COUNTY, OHIO, USDA/NRCS, 2015. ODNR (OHIO DEPARTMENT OF NATURAL RESOURCES) LAND, 2014.

LEGEND

● PROPOSED STRUCTURE	▭ STUDY AREA	▨ NWI WETLAND
● CULVERT	▭ PROPOSED IRONMAN STATION	▨ 100-YEAR FLOODPLAIN
- - - EXISTING COALTON SW-LICK 69 kV LINE	▭ SOIL TYPE BOUNDARY	▭ TOWNSHIP BOUNDARY
— PROPOSED COALTON SW-LICK 69 kV LINE REROUTE	▭ ODNR LAND	▭ COUNTY BOUNDARY

0 50 100 200 Feet

**FIGURE 2
RESOURCE LOCATION MAP**

 **IRONMAN STATION PROJECT**
AEP OHIO TRANSMISSION COMPANY, INC.

DRAWN BY: AKW
CHECKED: SWW

DATE: 6/20/2017
APPROVED: ARW

APPENDIX A

Photographs



Photograph 1. Culvert outlet, Facing East



Photograph 2. Site overview and representative upland habitat, Facing West



Photograph 3. Site overview and representative upland habitat, Facing East



Photograph 4. Site overview and representative upland habitat, Facing South



Photograph 5. Proposed transmission line reroute, Facing East

APPENDIX B

ODNR and USFWS Correspondence



Canton Office
3720 Dressler Road Northwest
Canton, Ohio 44718

T 330.433.2680
F 330.433.2694

May 8, 2017
Project C170352.05

Environmental Review Staff
Ohio Department of Natural Resources
Division of Wildlife - Ohio Natural Heritage Program
2045 Morse Road, Building G-3
Columbus, Ohio 43229-6693

American Electric Power
Heppner South Ironman Substation Project
Request for Technical Assistance Regarding Threatened
and Endangered Species and Critical Habitat
Jackson County, Ohio

Dear Staff:

GAI Consultants, Inc. (GAI), on behalf of American Electric Power (AEP), is requesting information regarding state- and federally-listed threatened and endangered species in the vicinity of the Heppner South Ironman Substation Project (Project) in Jackson County, Ohio. As part of this request, please provide information specific to any threatened and endangered bats. GAI is also requesting the locations of any known golden or bald eagle nests in the area.

The proposed Project involves the construction of the Heppner South Ironman Substation (approximately 2 acres).

The study area for the Project is shown on the attached map (Figure 1). The habitat within the study area consists of maintained rights-of-way. Project shapefiles have been included to aid in your review.

GAI and AEP thank you in advance for your assistance. Please contact me at 330.324.9148 or via email at a.wheaton@gaiconsultants.com if you have any questions or require further information.

Sincerely,
GAI Consultants, Inc.

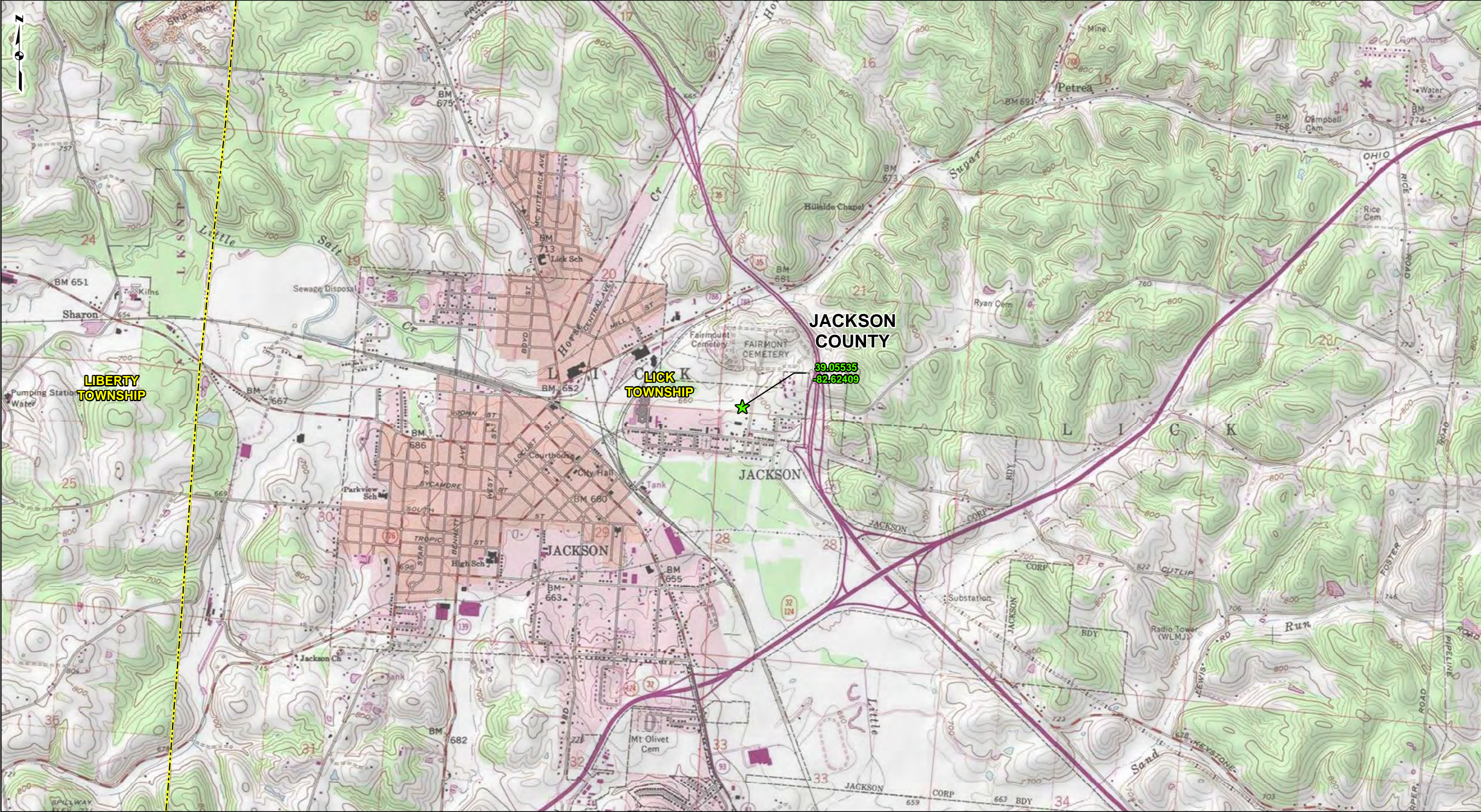
A handwritten signature in blue ink, appearing to read 'Allison R. Wheaton'.

Allison R. Wheaton, WPIT
Senior Project Environmental Specialist

ARW/djz

Attachments: Attachment 1 (Project Location Map)
Project Shapefiles

ATTACHMENT 1
PROJECT LOCATION MAP






PROJECT LOCATION



JACKSON COUNTY, OHIO



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: JACKSON (1978) AND WELLSTON (1977), OHIO, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND USGS, ACCESSED 05/2017.

LEGEND

-  PROPOSED SUBSTATION
-  COUNTY BOUNDARY
-  TOWNSHIP BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP



HEPPNER SOUTH
IRONMAN SUBSTATION PROJECT
AMERICAN ELECTRIC POWER

DRAWN BY: AKW
CHECKED: EFJ

DATE: 5/8/2017
APPROVED:

From: [Korfel, Lindsey](#)
To: [Allison Wheaton](#)
Cc: kate.parsons@dnr.state.oh.us; nathan.reardon@dnr.state.oh.us
Subject: 03E15000-2017-TA-1247 GAI No. C170352.05 - AEP Heppner South Ironman Substation Project, Jackson Co.
Date: Tuesday, May 16, 2017 2:45:58 PM

TAILS # 03E15000-2017-TA-1247

Dear Ms. Wheaton,

We have received your recent correspondence requesting information about the subject proposal. There are no federal wilderness areas, wildlife refuges or designated critical habitat within the vicinity of the project area. The following comments and recommendations will assist you in fulfilling the requirements for consultation under section 7 of the Endangered Species Act of 1973, as amended (ESA).

The U.S. Fish and Wildlife Service (Service) recommends that proposed developments avoid and minimize water quality impacts and impacts to high quality fish and wildlife habitat (e.g., forests, streams, wetlands). Additionally, natural buffers around streams and wetlands should be preserved to enhance beneficial functions. If streams or wetlands will be impacted, the Corps of Engineers should be contacted to determine whether a Clean Water Act section 404 permit is required. Best management practices should be used to minimize erosion, especially on slopes. All disturbed areas should be mulched and revegetated with native plant species. Prevention of non-native, invasive plant establishment is critical in maintaining high quality habitats.

FEDERALLY LISTED SPECIES COMMENTS: All projects in the State of Ohio lie within the range of the federally endangered **Indiana bat** (*Myotis sodalis*) and the federally threatened **northern long-eared bat** (*Myotis septentrionalis*). In Ohio, presence of the Indiana bat and northern long-eared bat is assumed wherever suitable habitat occurs unless a presence/absence survey has been performed to document absence. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥ 3 inches diameter at breast height (dbh) that have any exfoliating bark, cracks, crevices, hollows and/or cavities), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat. In the winter, Indiana bats and northern long-eared bats hibernate in caves and abandoned mines.

Should the proposed site contain trees ≥ 3 inches dbh, we recommend that trees be saved wherever possible. If any caves or abandoned mines may be disturbed, further coordination with this office is requested to determine if fall or spring portal surveys are warranted. If no caves or abandoned mines are present and trees ≥ 3 inches dbh cannot be avoided, we recommend that removal of any trees ≥ 3 inches dbh only occur between October 1 and March

31. Seasonal clearing is being recommended to avoid adverse effects to Indiana bats and northern long-eared bats. While incidental take of northern long-eared bats from most tree clearing is exempted by a 4(d) rule (see <http://www.fws.gov/midwest/endangered/mammals/nleb/index.html>), incidental take of Indiana bats is still prohibited without a project-specific exemption. Thus, seasonal clearing is recommended where Indiana bats are assumed present.

If implementation of this seasonal tree cutting recommendation is not possible, summer surveys may be conducted to document the presence or probable absence of Indiana bats within the project area during the summer. If a summer survey documents probable absence of Indiana bats, the 4(d) rule for the northern long-eared bat could be applied. Surveys must be conducted by an approved surveyor and be designed and conducted in coordination with the Endangered Species Coordinator for this office. Surveyors must have a valid federal permit. Please note that summer surveys may only be conducted between June 1 and August 15.

If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), no tree clearing should occur on any portion of the project area until consultation under section 7 of the ESA, between the Service and the federal action agency, is completed. We recommend that the federal action agency submit a determination of effects to this office, relative to the Indiana bat and northern long-eared bat, for our review and concurrence.

Due to the project type, size, and location, we do not anticipate adverse effects to any other federally endangered, threatened, proposed, or candidate species. Should the project design change, or during the term of this action, additional information on listed or proposed species or their critical habitat become available, or if new information reveals effects of the action that were not previously considered, consultation with the Service should be initiated to assess any potential impacts.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the ESA, and are consistent with the intent of the National Environmental Policy Act of 1969 and the Service's Mitigation Policy. This letter provides technical assistance only and does not serve as a completed section 7 consultation document. We recommend that the project be coordinated with the Ohio Department of Natural Resources due to the potential for the project to affect state listed species and/or state lands. Contact John Kessler, Environmental Services Administrator, at (614) 265-6621 or at john.kessler@dnr.state.oh.us.

If you have questions, or if we can be of further assistance in this matter, please contact our office at (614) 416-8993 or ohio@fws.gov.

Sincerely,

Lindsey M. Korfel

Wildlife Biologist
U.S. Fish and Wildlife Service
Ohio Field Office
4625 Morse Road, Suite 104
Columbus, OH 43230

614.416.8993 x. 29



Canton Office
3720 Dressler Road Northwest
Canton, Ohio 44718

T 330.433.2680
F 330.433.2694

May 8, 2017
Project C170352.05

Mr. Dan Everson
United States Fish and Wildlife Service
Ohio Ecological Services Field Office
4625 Morse Road, Suite 104
Columbus, Ohio 43230

American Electric Power
Heppner South Ironman Substation Project
Request for Technical Assistance Regarding Threatened
and Endangered Species and Critical Habitat
Jackson County, Ohio

Dear Mr. Everson:

GAI Consultants, Inc. (GAI), on behalf of American Electric Power (AEP), is requesting information regarding state- and federally-listed threatened and endangered species in the vicinity of the Heppner South Ironman Substation Project (Project) in Jackson County, Ohio. As part of this request, please provide information specific to any threatened and endangered bats. GAI is also requesting the locations of any known golden or bald eagle nests in the area.

The proposed Project involves the construction of the Heppner South Ironman Substation (approximately 2 acres).

The study area for the Project is shown on the attached map (Figure 1). The habitat within the study area consists of maintained rights-of-way. Project shapefiles have been included to aid in your review.

GAI and AEP thank you in advance for your assistance. Please contact me at 330.324.9148 or via email at a.wheaton@gaiconsultants.com if you have any questions or require further information.

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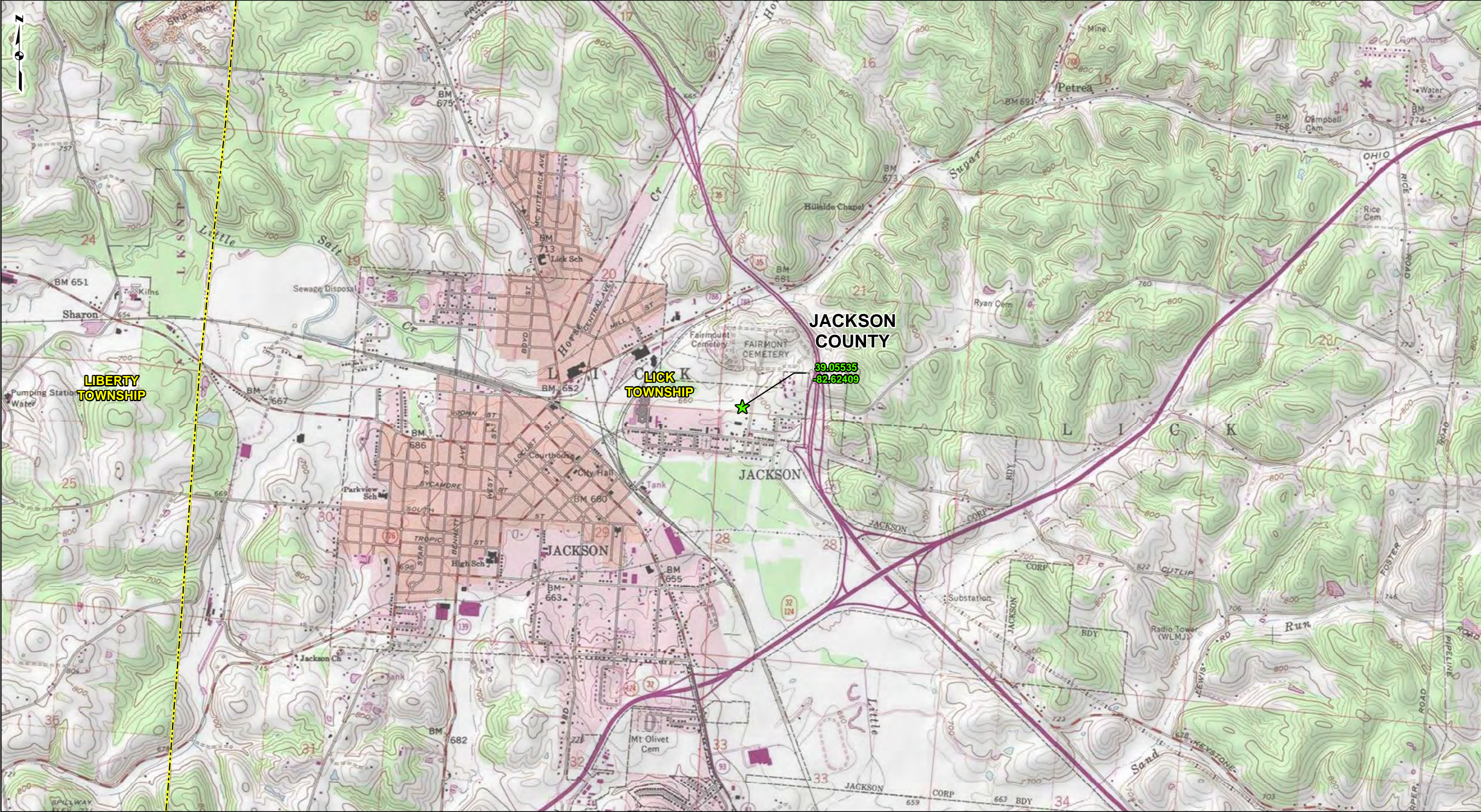
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Allison R. Wheaton, WPIT
Senior Project Environmental Specialist

ARW/djz

Attachments: Attachment 1 (Project Location Map)
Project Shapefiles

ATTACHMENT 1
PROJECT LOCATION MAP






PROJECT LOCATION



JACKSON COUNTY, OHIO



REFERENCE: USGS 7.5' TOPOGRAPHIC QUADRANGLES: JACKSON (1978) AND WELLSTON (1977), OHIO, OBTAINED THROUGH ESRI USA TOPO MAPS, NATIONAL GEOGRAPHIC TOPO AND USGS, ACCESSED 05/2017.

LEGEND

-  PROPOSED SUBSTATION
-  COUNTY BOUNDARY
-  TOWNSHIP BOUNDARY

0 1,000 2,000 4,000 Feet

PROJECT LOCATION MAP



HEPPNER SOUTH
IRONMAN SUBSTATION PROJECT
AMERICAN ELECTRIC POWER

DRAWN BY: AKW
CHECKED: EFJ

DATE: 5/8/2017
APPROVED:

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

6/26/2017 3:43:52 PM

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Case No(s). 17-0804-EL-BLN

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