



Braun's holly-fern, *Polystichum braunii*
Observed at 46.356965° N, -90.600006° W on 1 October 2019



Braun's holly-fern, *Polystichum braunii*
Observed at 46.356965° N, -90.600006° W on 1 October 2019



Arrowleaf sweet coltsfoot, *Petasites sagittatus*
Observed at 46.412183° N, -90.528203° W on 20 September 2019



Arrowleaf sweet coltsfoot, *Petasites sagittatus*
Observed at 46.412183° N, -90.528203° W on 20 September 2019



Line 5 Wisconsin Segment Relocation Project

Ashland, Bayfield, Douglas, and Iron Counties Wisconsin

Water Resources Application for Project Permits

Environmental Impact Report

Revised August 2020

EIR Attachment O

Protected Species Survey Reports

Bald Eagle Nest Surveys Report

Privileged and Confidential Information

ENVIRONMENTAL SURVEY REPORT

ENBRIDGE – LINE 5 WISCONSIN SEGMENT REPLACEMENT PROJECT BALD EAGLE NEST SURVEYS

Prepared for:

**Mr. Tim Drake, Technical Director
Environmental Resources Management
80 South Eighth Street
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MAY 4, 2020

**Prepared by:
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MIDWEST NATURAL RESOURCES



Mr. Tim Drake
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May 4, 2020

Mr. Drake,

Midwest Natural Resources, Inc. (MNR) is pleased to provide the following report pertaining to aerial Bald Eagle (*Haliaeetus leucocephalus*) nest surveys contracted by Environmental Resources Management (ERM).

Background

In Wisconsin, the existing Line 5 pipeline owned by Enbridge Energy, Limited Partnership (“Enbridge”) crosses Douglas, Bayfield, Ashland, and Iron Counties. Within Ashland County, the existing Line 5 pipeline crosses through approximately 12 miles of the Bad River Reservation of the Bad River Band of the Lake Superior Tribe of Chippewa Indians. The Line 5 Wisconsin Segment Replacement Project (“Project”) will replace approximately 20 miles of the existing Line 5 pipeline, including the approximate 12 miles of pipeline within the Reservation, with approximately 41.1 miles of a new, 30-inch outside diameter pipeline segment that will be located entirely outside the exterior boundaries of the Reservation (**Figure 1**).

Bald eagles are protected by the Bald and Golden Eagle Protection Act, therefore, Enbridge conducted Bald Eagle nest surveys to identify bald eagle nests in the vicinity of the Project. The Natural Heritage Inventory (NHI) database identified a Bald Eagle nest location in the vicinity of the Project area (**Figure 2**), indicating the presence of potential Bald Eagle nesting habitat. Enbridge will continue to coordinate with the US Fish and Wildlife Service regarding bald eagle nests identified during these surveys.

Survey Limits and Existing Data

The survey area is located along the proposed pipeline route. A 1,000-foot-wide buffer was applied to the project centerline (Rev F.1, dated 4/17/2020) and access roads to create a survey corridor. Prior to conducting field surveys, MNR staff conducted a desktop review of the entire survey area to evaluate the potential for eagle nesting habitat. This included a general land cover assessment as well as a review of known nest locations documented in the NHI database. Areas with the highest potential nesting habitat were those with mature forest near perennial waterbody features.

Methods

Nest surveys were conducted prior to leaf-out when nests would be highly visible, particularly those nests within deciduous tree species. Surveys were conducted aurally (via helicopter) allowing for visual

observations from above the tree line within the survey corridor. Helicopter services were provided by Brainerd Helicopter Service, Inc. out of Brainerd, Minnesota. A flight plan was determined prior to survey efforts with the survey area uploaded on the craft's navigation system. Surveys involved two field biologists in addition to the pilot.

Potential Bald Eagle nests observed during survey efforts were documented spatially. Digital photographs were collected at this time as well.

Results and Discussion

Aerial eagle nest surveys were conducted on April 25, 2020 by Jake Walden and the undersigned. The overall project area generally comprises forest fragmented by agricultural and residential development as well as infrastructure such as roads and maintained utility corridors. Agricultural land use is typically hay and pasture land with a few areas of row-crops and abandoned apple orchards. Upland forested systems include quaking aspen (*Populus tremuloides*), big-toothed aspen (*Populus grandidentata*), paper birch (*Betula papyrifera*), sugar maple (*Acer saccharum*), balsam fir (*Abies balsamea*), eastern hemlock (*Tsuga canadensis*), and eastern white pine (*Pinus strobus*). Forested wetlands within the project area include black ash (*Fraxinus nigra*), white cedar (*Thuja occidentalis*), yellow birch (*Betula alleghaniensis*), and American elm (*Ulmus americana*).

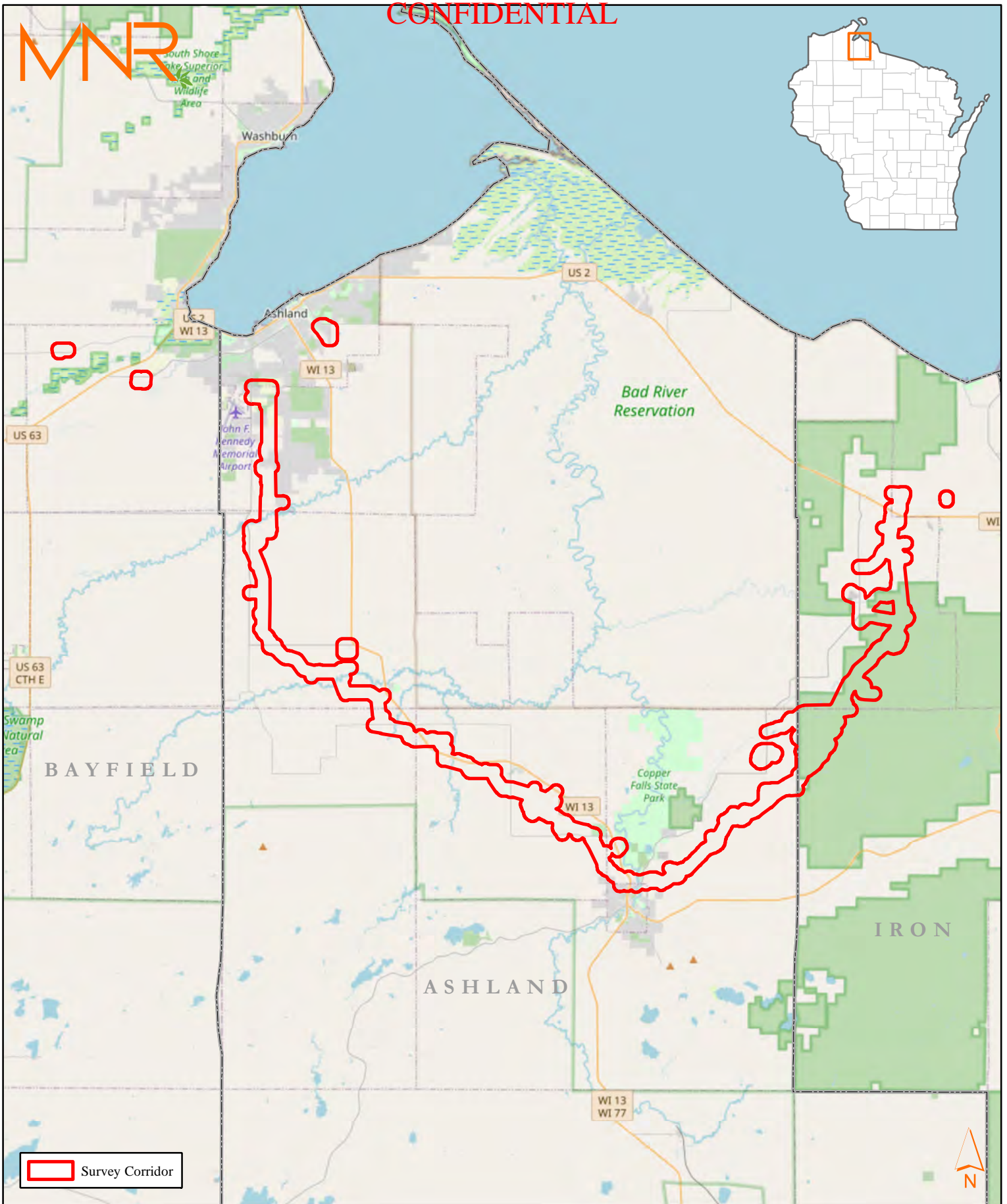
Surveys resulted in the documentation of two nests (**Figure 3**). The first nest, **psbeb001**, is an active Bald Eagle's nest in a white pine that is occupied by an adult and at least one chick (**Figure 4**). The second nest observed is located outside the buffer area but between a proposed pipe yard and the main project corridor. This large raptor nest is in a quaking aspen tree and is currently occupied by a Great Horned Owl (*Bubo virginianus*) owlet (**psgob001**), location depicted on (**Figure 5**). Photos of both nests are provided in **Appendix A**. The NHI buffer area associated with the Bald Eagle nest identified in the NHI database (identified in 2018) was evaluated by helicopter where there was overlap with the survey corridor. No nests were detected within the evaluated survey buffer.

In closing, please let us know if you have any questions pertaining to our field findings.

Respectfully submitted,



Scott A. Milburn, M.S., PWS
Principal Botanist/President
Midwest Natural Resources, Inc.

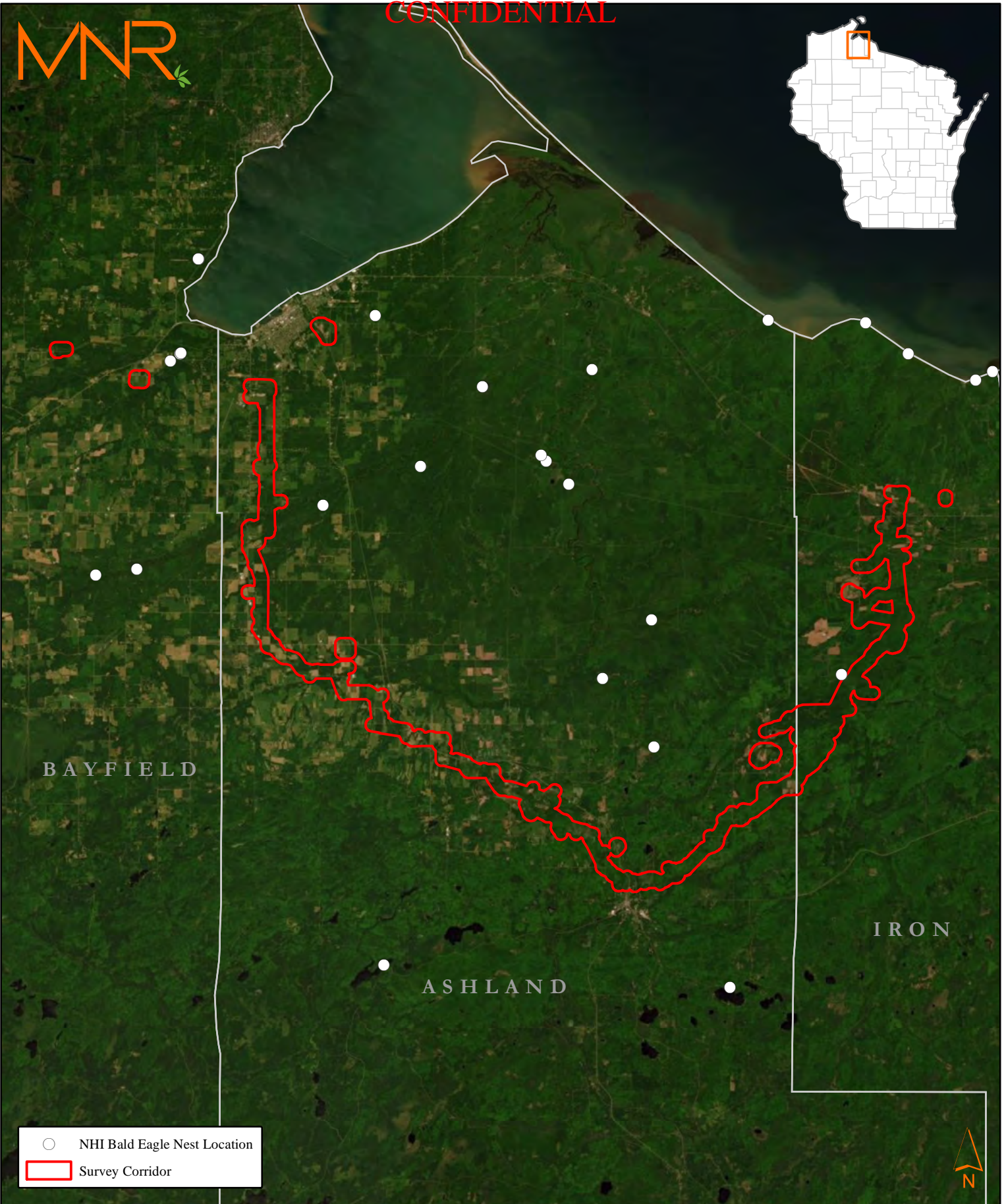


Source: OpenStreetMap, US Census, Date: 4/30/2020



Survey Overview
Bald Eagle Nest Surveys
Enbridge Line 5 Replacement Project
Enbridge Energy
Wisconsin

Figure 1



○ NHI Bald Eagle Nest Location
 □ Survey Corridor

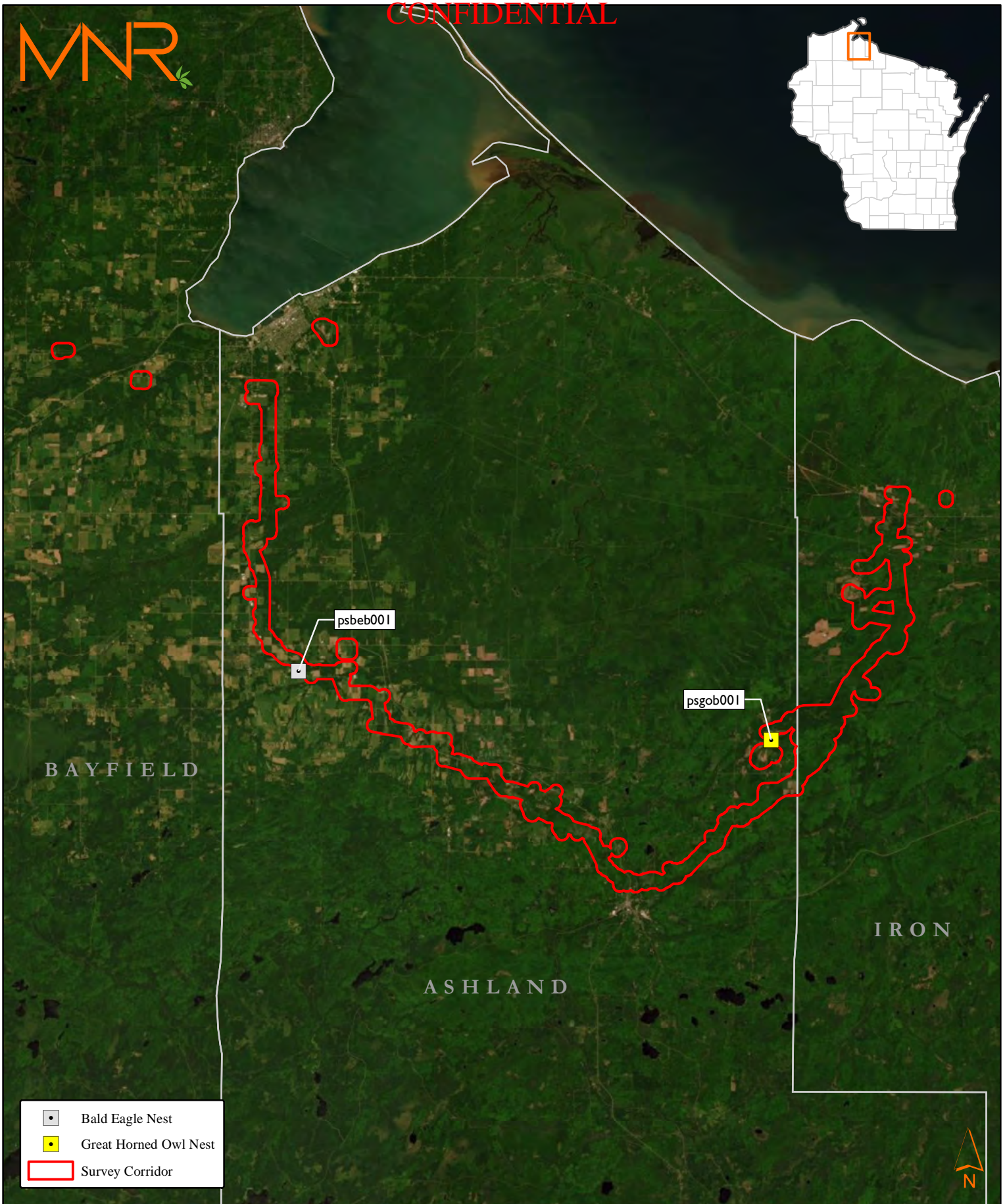
Source: Esri World Imagery, Wisconsin DNR, US Census, Date: 4/30/2020



**WI Natural Heritage Inventory Data
 Bald Eagle Nest Surveys
 Enbridge Line 5 Replacement Project
 Enbridge Energy
 Wisconsin**

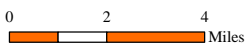
Figure 2





- Bald Eagle Nest
- Great Horned Owl Nest
- ▭ Survey Corridor

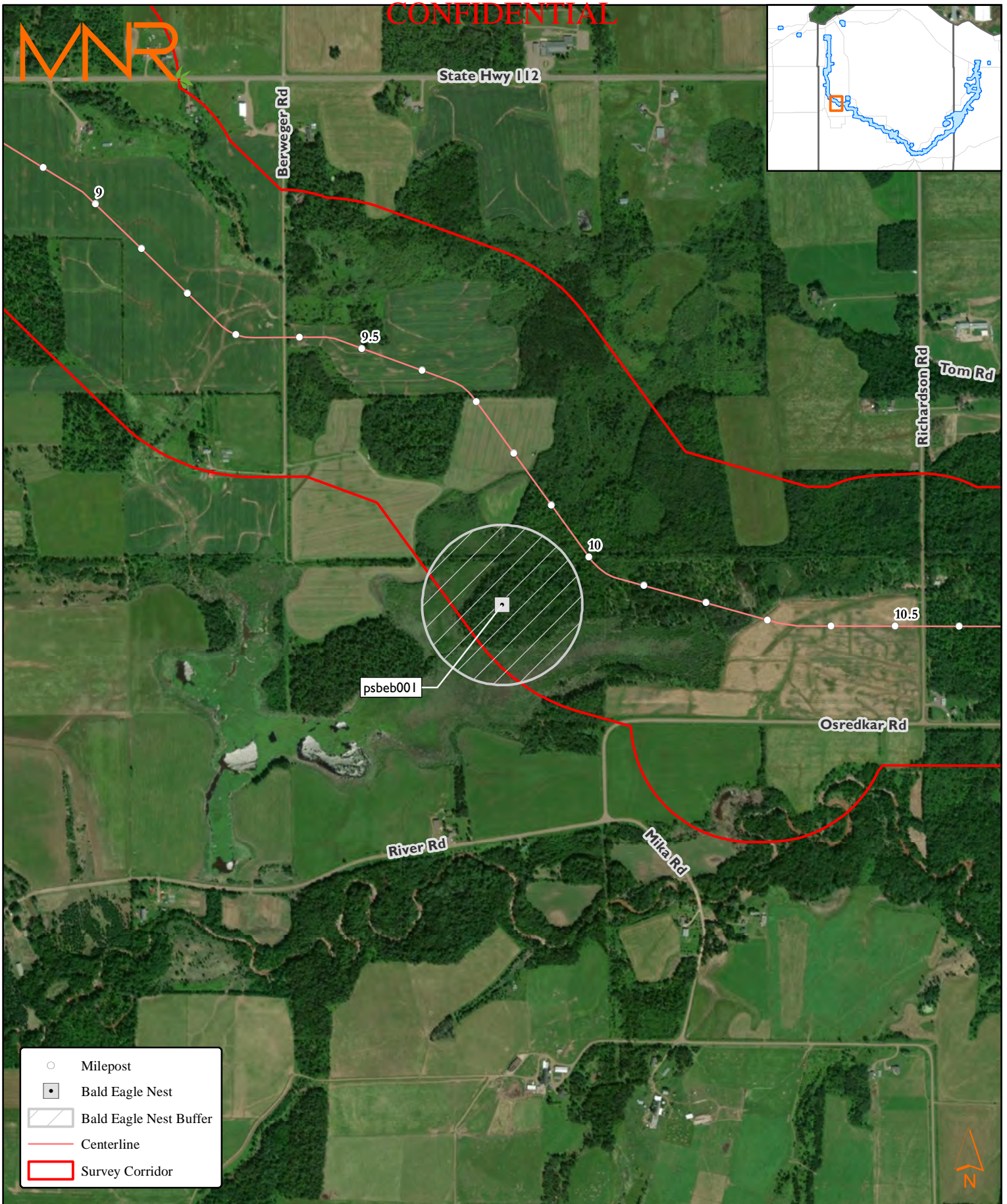
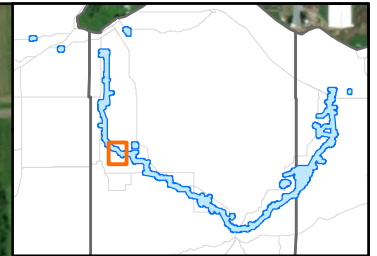
Source: Esri World Imagery, US Census, Date: 5/4/2020



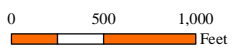
Survey Results
Bald Eagle Nest Surveys
Enbridge Line 5 Replacement Project
Enbridge Energy
Wisconsin

Figure 3

MNR



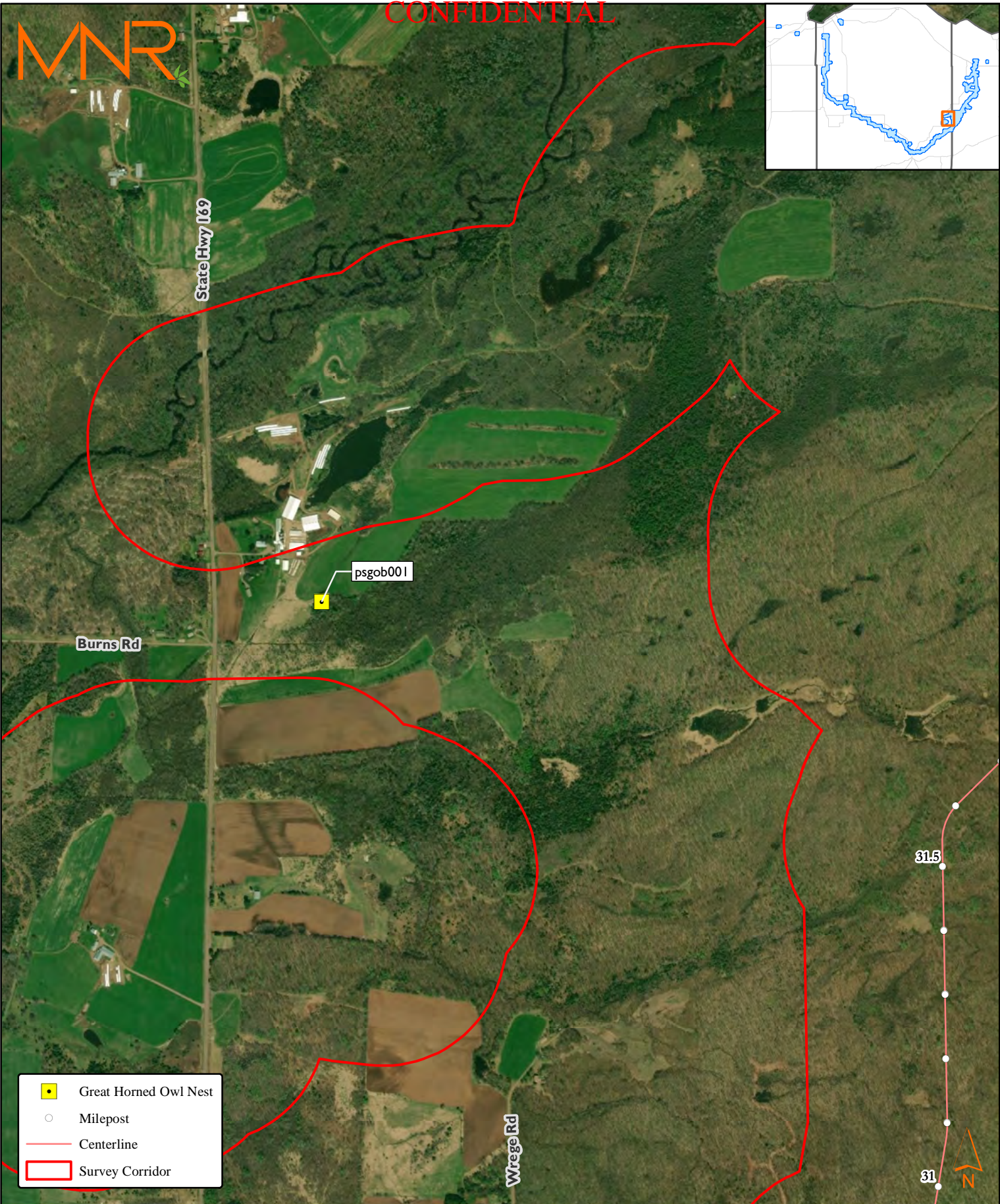
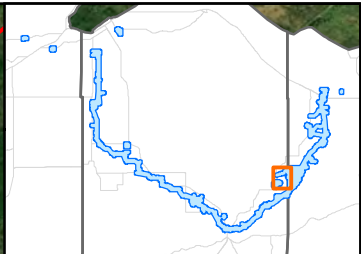
Source: Esri World Imagery, US Census, Date: 7/29/2020



Nest: psbeb001
Bald Eagle Nest Surveys
Enbridge Line 5 Replacement Project
Enbridge Energy
Wisconsin

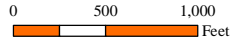
Figure 4

MNR



- Great Horned Owl Nest
- Milepost
- Centerline
- Survey Corridor

Source: Esri World Imagery, US Census, Date: 5/4/2020



Nest: psgob001
Bald Eagle Nest Surveys
Enbridge Line 5 Replacement Project
Enbridge Energy
Wisconsin

Figure 5

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Appendix A

Representative Photos

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Eagle Nest Surveys – Wisconsin – Appendix A



BAEA001 - Bald Eagle (Haliaeetus leucocephalus)



GHOW001 - Great Horned Owl (Bubo virginianus)



Line 5 Wisconsin Segment Relocation Project

Ashland, Bayfield, Douglas, and Iron Counties Wisconsin

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Environmental Impact Report

Revised August 2020

EIR Attachment O

Protected Species Survey Reports

Loggerhead Shrike Survey Report

Privileged and Confidential Information

ENVIRONMENTAL SURVEY REPORT

ENBRIDGE – LINE 5 WISCONSIN SEGMENT REPLACEMENT PROJECT LOGGERHEAD SHRIKE SURVEYS

Prepared for:

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JULY 2, 2020

Prepared by:
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July 2, 2020

Mr. Drake,

Midwest Natural Resources, Inc. (MNR) is pleased to provide the following report regarding Loggerhead Shrike (*Lanius ludovicianus*) survey efforts for the Line 5 Wisconsin Segment Replacement Project.

Background

Enbridge Energy, Limited Partnership (“Enbridge”) is planning a replacement project for its current Line 5 pipeline that crosses through Douglas, Bayfield, Ashland, and Iron Counties in Wisconsin. Approximately 12 miles of the existing pipeline passes through the Bad River Reservation of the Bad River Band of the Lake Superior Tribe of Chippewa Indians. The Line 5 Wisconsin Segment Replacement Project (“Project”) will replace an estimated 20 miles of existing Line 5 pipeline, including the 12 miles that is within the Reservation, with approximately 41.1 miles of additional line that is located entirely outside of the Reservation boundaries (**Figure 1**). To support the development of the Project, MNR was contracted to conduct surveys for Loggerhead Shrike, a Wisconsin state-listed (Endangered) species and a United States Fish and Wildlife Service (USFWS) Region 3 species of management concern. The surveys will aid in identifying active Loggerhead Shrike populations within and surrounding the Project area. The surveys were conducted in accordance with the guidance provided by the Wisconsin Department of Natural Resources (WDNR) and survey methods approved by the WDNR. The National Heritage Inventory (NHI) database identified a historic nest location within the vicinity of the Project area (**Figure 2**), indicating the potential presence of active Loggerhead Shrikes and their nests.

According to the WDNR, the Loggerhead Shrike is irregularly distributed throughout Wisconsin and is especially rare in the northern portions of the state, including the area of survey. Habitat for the Loggerhead Shrike includes open grassland or agricultural areas interspersed with small shrubs and trees for perching. Nesting communities for the Loggerhead Shrike include old fields and other idle grassland fields, pastures, open savannas, farmsteads, parks, golf courses, cemeteries, and roadsides with shrubs, saplings, and small trees. At least one shrub, sapling, or small tree, typically with dense foliage, is required for perching, hunting, and nesting. Thorny or spiny shrubs and trees are preferred as they can be used for impaling prey; barbed wire fences can also be used for this purpose. The Loggerhead Shrike tends to prefer habitats with grasses and forbs of relatively short to medium height and some bare ground for hunting.

Survey Limits and Existing Data

The survey area is located along the proposed pipeline route as well as proposed access roads between mileposts 6.75 and 8.75. The overall project area comprises four main habitat types: 1) agricultural field,

2) old field, 3) mesic hardwood forest, and 4) two-track trails (**Figure 3**). Every habitat type within the survey area was surveyed for the presence of the Loggerhead Shrike.

Methods

Surveys occurred at predetermined points placed along transects within the survey area. Mainline survey points were located along transects running parallel to the project centerline (RevF.1, dated 04/27/2020). Transects were placed 110 feet from the centerline on the east and west sides. Access road survey points were placed along the proposed centerline of each road. All Loggerhead Shrike survey points were then placed along the transects and access road centerlines with 250 feet between points. This resulted in a total of 86 mainline survey points (42 points east of the centerline and 43 points west of the centerline) and 10 access road survey points (**Figure 4**).

Each survey point was visited three times between May 1 and July 15, when Loggerhead Shrike should have arrived in the area after spring migration and potentially should have started nesting. Survey visits were spaced at least 10 days apart and conducted from dawn until approximately 10:00 am. The surveys were only conducted in field conditions with no rain and winds less than 10 miles per hour (mph). If the field conditions became unsuitable (i.e. started raining or wind speed increased past 10 mph) after the surveys had already begun, the surveys were stopped until conditions cleared or the time passed 10:00 am. If the surveys were not completed due to unsuitable conditions, surveys were attempted again the following day until all predetermined locations were surveyed within suitable conditions and the desired time frame (dawn to 10:00 am).

A two-person field team conducted auditory and visual surveys at each predetermined survey point. Each visit was timed and lasted a minimum of five minutes per point. Surveys involved traversing the area slowly on foot, observing and listening for any sightings or vocalizations of the Loggerhead Shrike. All conspicuous perching locations, such as utility lines, fence wires, and outer branches of shrubs and saplings, were evaluated for impaled animals and insects. A list of all observed bird species was recorded at each survey point.

Results and Discussion

Surveys were conducted on May 15-16, May 26-28, and June 11-12, 2020 by the undersigned with assistance from MNR biologist Sarah Rosche. Both individuals are experienced avian biologists able to recognize the Loggerhead Shrike by sight and sound. All but one of the 96 predetermined survey points were each visited on three separate occasions. Survey point SP_A_08, which is located approximately 2,000 feet west of the mainline corridor, was briefly visited but not thoroughly surveyed due to its location in the front lawn of an active residence (**Figure 4**). The second round of surveys required an additional day to complete due to inclement weather. A table of the dates visited and weather conditions at each survey point is provided in **Appendix A**.

As previously mentioned, the survey area comprises four primary habitat types: agricultural field, old field, mesic hardwood forest, and two-track trails. Agricultural fields within the survey area were being actively managed and planted with corn (*Zea mays*) at the time of survey. The old field areas include both wetland and upland areas dominated by a mixture of pasture grasses and weedy species including timothy (*Phleum pratense*), Kentucky bluegrass (*Poa pratensis*), ox-eye daisy (*Leucanthemum vulgare*), Canada goldenrod (*Solidago canadensis*), graceful sedge (*Carex gracillima*), bird's-foot trefoil (*Lotus corniculatus*), and giant goldenrod (*Solidago gigantea*). The mesic hardwood forest components are young with very little old growth and include pockets of hardwood swamp. The dominant species in the hardwood communities include quaking aspen (*Populus tremuloides*), big-toothed aspen (*Populus grandidentata*), paper birch (*Betula papyrifera*), sugar maple (*Acer saccharum*), balsam fir (*Abies balsamea*), large-leaved aster

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Loggerhead Shrike Surveys - Wisconsin

(*Eurybia macrophylla*), and lady fern (*Athyrium filix-femina*). The two-track trails are primarily unmaintained ATV trails and farm access roads for machinery.

No Loggerhead Shrike nests or individuals were observed during field surveys. The overall habitat quality within the survey area is low, with only a few potentially suitable locations in the old field community types. Powerlines are present along the roadsides for perching, but the presence of thorny shrubs and barbed wire for prey impalement are uncommon. A list of all bird species observed at each survey point is provided in **Appendix B**. A total of 71 bird species were documented during surveys, with an average of 39 bird species documented per day.

In closing, please let us know if you have any questions pertaining to our field findings.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Dyl L", is written over a solid horizontal line.

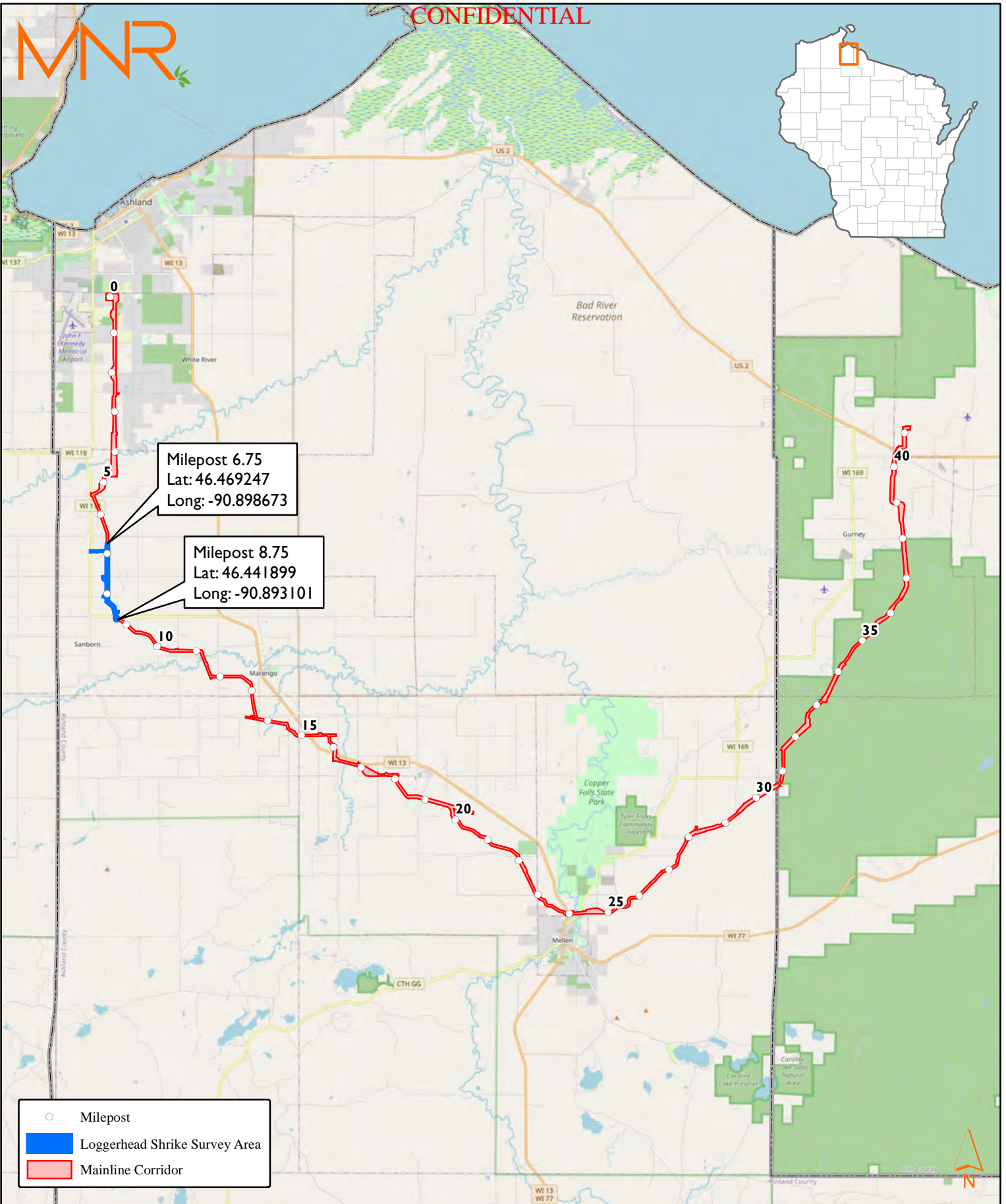
Dylan Lueth, PWS
Senior Botanist
Midwest Natural Resources, Inc.

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Loggerhead Shrike Surveys - Wisconsin

References

Wisconsin Department of Natural Resources (WDNR). 2019. Loggerhead Shrike Species Guidance. Available online at:
<https://dnr.wi.gov/topic/EndangeredResources/Animals.asp?mode=detail&SpecCode=ABPBR01030>
Accessed June 2020.



Source: OpenStreetMap, US Census, Date: 6/25/2020

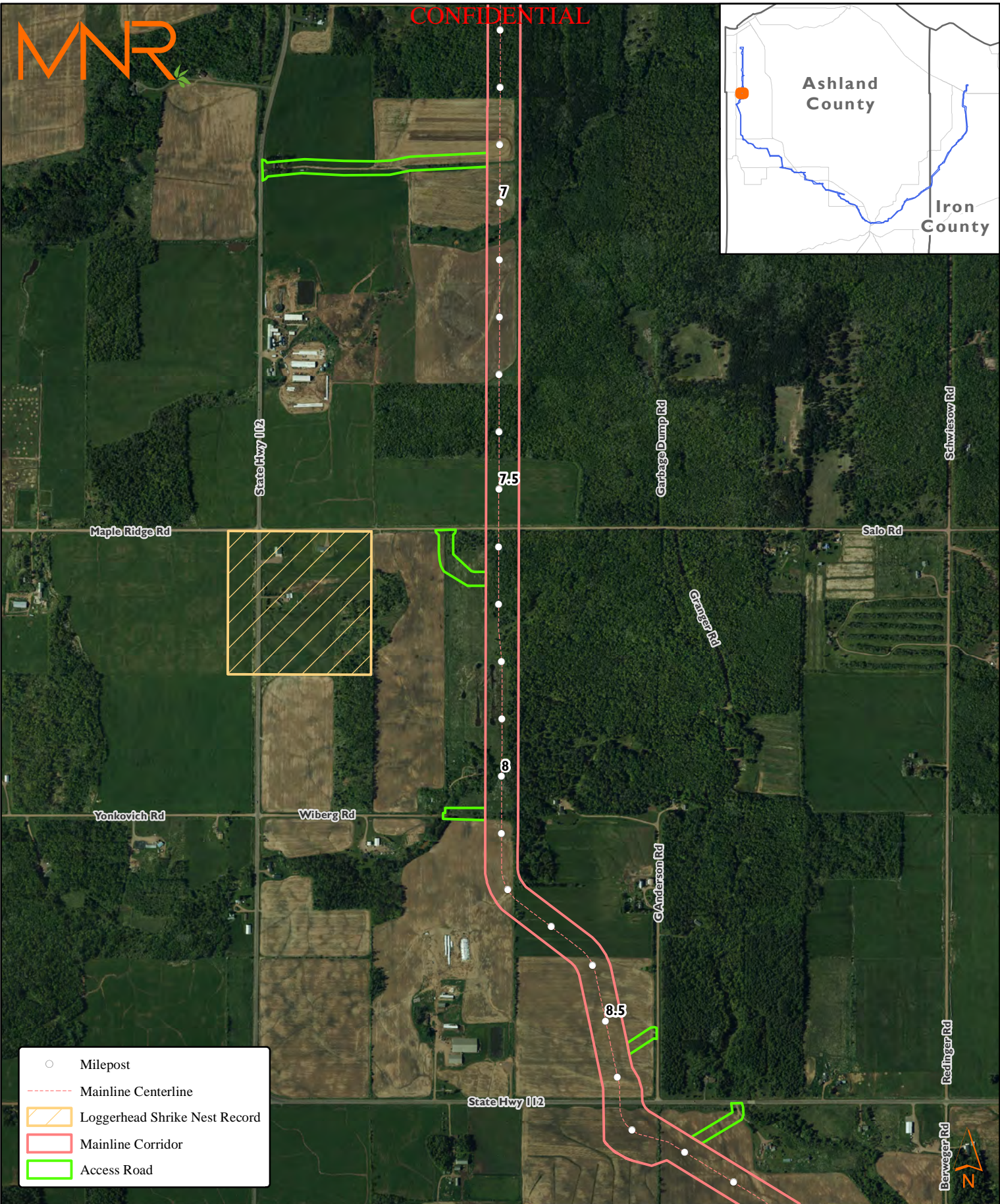


Project Overview
Loggerhead Shrike Survey
Line 5 Relocation Project
Enbridge
Ashland County, Wisconsin

Figure 1

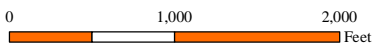
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MNR



- Milepost
- - - Mainline Centerline
- ▨ Loggerhead Shrike Nest Record
- ▭ Mainline Corridor
- ▭ Access Road

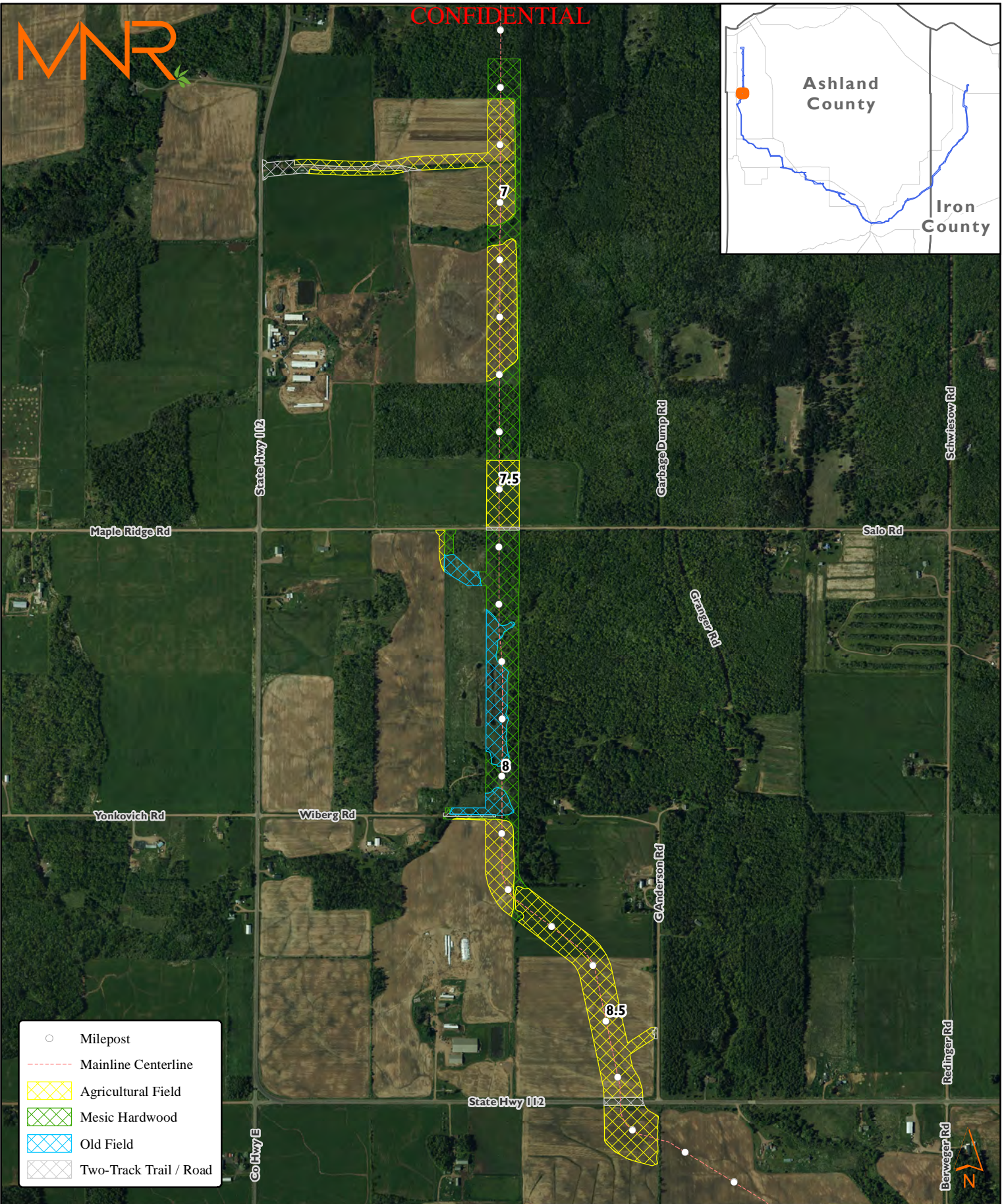
Source: WI Department of Natural Resources, US Census, Date: 6/25/2020



Natural Heritage Inventory Nest Record
Loggerhead Shrike Survey
Line 5 Relocation Project
Enbridge
Ashland County, Wisconsin

Figure 2

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- Milepost
- - - Mainline Centerline
- ▨ Agricultural Field
- ▨ Mesic Hardwood
- ▨ Old Field
- ▨ Two-Track Trail / Road

Source: US Census, Date: 6/25/2020

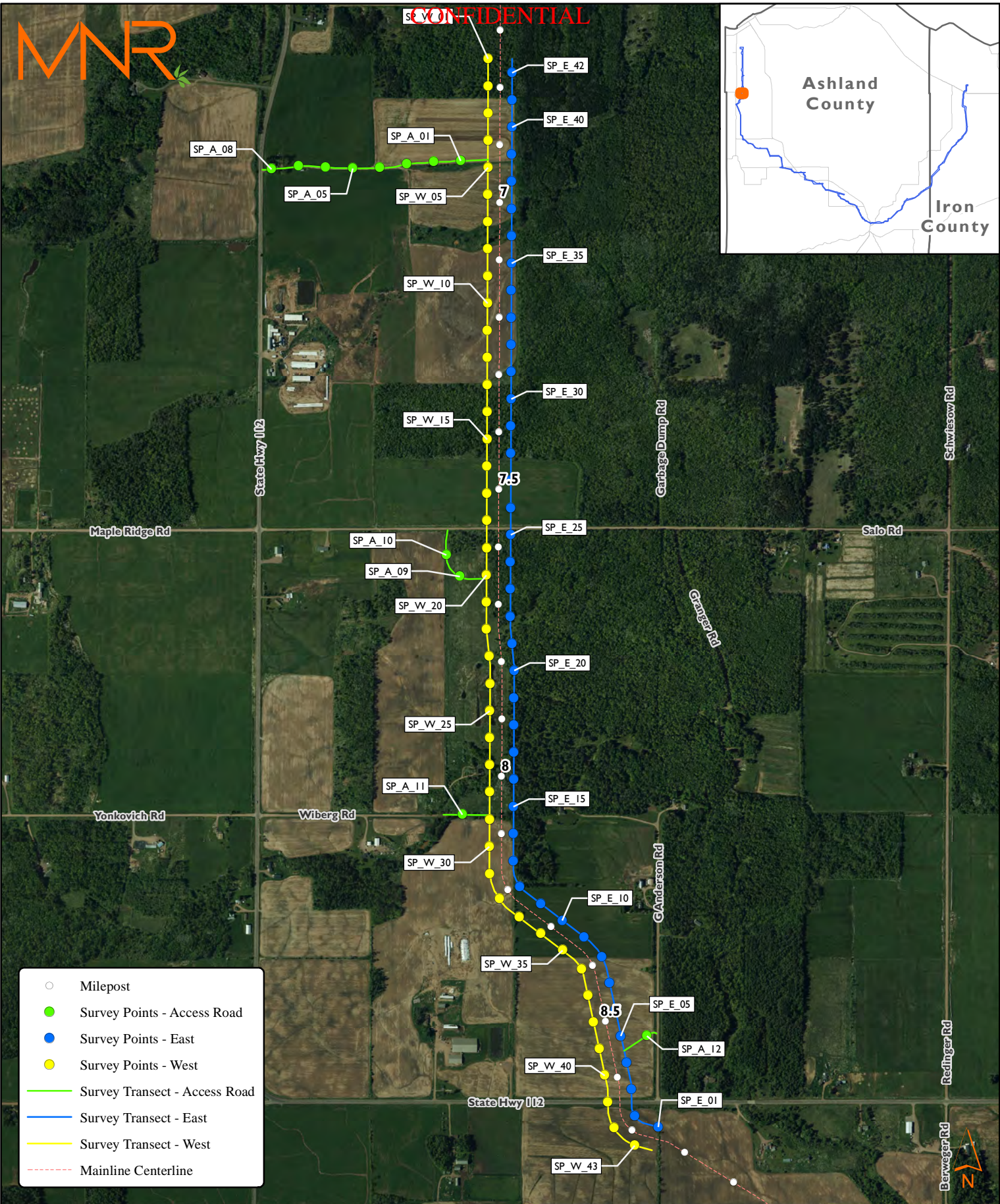
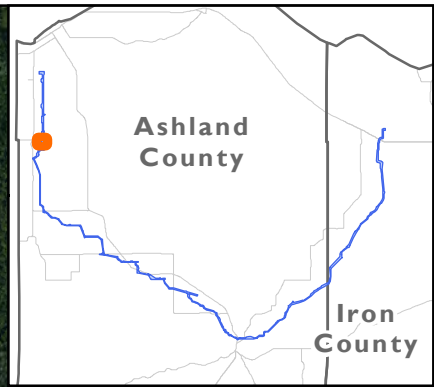
0 1,000 2,000 Feet

Land Cover
Loggerhead Shrike Survey
Line 5 Relocation Project
Enbridge
Ashland County, Wisconsin

Figure 3



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- Milepost
- Survey Points - Access Road
- Survey Points - East
- Survey Points - West
- Survey Transect - Access Road
- Survey Transect - East
- Survey Transect - West
- - - Mainline Centerline

Source: US Census, Date: 7/2/2020

**Survey Transects/Points
Loggerhead Shrike Survey
Line 5 Relocation Project
Enbridge
Ashland County, Wisconsin**

Figure 4

Appendix A

Survey Conditions

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Loggerhead Shrike Surveys - Wisconsin

| Point ID | Observation Date | Temperature | Wind Speed | Cloud Cover |
|----------|------------------|-------------|------------|-------------|
| SP_A_01 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_A_02 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_A_03 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_A_04 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_A_05 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_A_06 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_A_07 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_A_09 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_A_10 | 5/15/2020 | 57 F | 0.7 mph | 90% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_A_11 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_A_12 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_01 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_02 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_03 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_04 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Loggerhead Shrike Surveys - Wisconsin

| Point ID | Observation Date | Temperature | Wind Speed | Cloud Cover |
|----------|------------------|-------------|------------|-------------|
| SP_E_05 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_06 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_07 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_08 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_09 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_10 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 65 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_11 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 0.0 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_12 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_13 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_14 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_15 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_16 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_17 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_18 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_19 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Loggerhead Shrike Surveys - Wisconsin

| Point ID | Observation Date | Temperature | Wind Speed | Cloud Cover |
|----------|------------------|-------------|------------|-------------|
| SP_E_20 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_21 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_22 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_23 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/27/2020 | 70 F | 1.2 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_E_24 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_E_25 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_E_26 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_27 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_28 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_29 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_30 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_31 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_32 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_33 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_34 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |

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| Point ID | Observation Date | Temperature | Wind Speed | Cloud Cover |
|----------|------------------|-------------|------------|-------------|
| SP_E_35 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_36 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_37 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_38 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_39 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_40 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 52 F | 7.0 mph | 5% |
| SP_E_41 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_E_42 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_01 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_02 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_03 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 8.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_04 | 5/15/2020 | 44 F | 0.7 mph | 10% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_05 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_06 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_07 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |

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| Point ID | Observation Date | Temperature | Wind Speed | Cloud Cover |
|----------|------------------|-------------|------------|-------------|
| SP_W_08 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_09 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_10 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_11 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_12 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_13 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_14 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_15 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_16 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_17 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_18 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 56 F | 0.9 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_19 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_20 | 5/15/2020 | 47 F | 0.7 mph | 90% |
| | 5/26/2020 | 59 F | 1.0 mph | 100% |
| | 6/11/2020 | 51 F | 8.0 mph | 100% |
| SP_W_21 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_22 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |

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| Point ID | Observation Date | Temperature | Wind Speed | Cloud Cover |
|----------|------------------|-------------|------------|-------------|
| SP_W_23 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_24 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_25 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_26 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_27 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_28 | 5/28/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_29 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_30 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 57 F | 1.1 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_31 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_32 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_33 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_34 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_35 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_36 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 42 F | 0.0 mph | 95% |
| SP_W_37 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |

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| Point ID | Observation Date | Temperature | Wind Speed | Cloud Cover |
|----------|------------------|-------------|------------|-------------|
| SP_W_38 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_W_39 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_W_40 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_W_41 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_W_42 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |
| SP_W_43 | 5/16/2020 | 42 F | 0.0 mph | 100% |
| | 5/28/2020 | 61 F | 1.7 mph | 100% |
| | 6/12/2020 | 45 F | 3.0 mph | 95% |

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Appendix B

Species Lists

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Loggerhead Shrike Surveys - Wisconsin

| Point ID | Species Observed | |
|----------|---|---|
| SP_A_01 | American Crow American Robin Black-capped Chickadee Blue Jay Chestnut-sided Warbler Chipping Sparrow Clay-colored Sparrow Common Yellowthroat Indigo Bunting Killdeer Northern Flicker Ovenbird Red-eyed Vireo Red-winged Blackbird Rose-breasted Grosbeak Savannah Sparrow Song Sparrow White-breasted Nuthatch Wood Duck Yellow-bellied Sapsucker Yellow-rumped Warbler | (<i>Corvus brachyrhynchos</i>) (<i>Turdus migratorius</i>) (<i>Poecile atricapillus</i>) (<i>Cyanocitta cristata</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella passerina</i>) (<i>Spizella pallida</i>) (<i>Geothlypis trichas</i>) (<i>Passerina cyanea</i>) (<i>Charadrius vociferus</i>) (<i>Colaptes auratus</i>) (<i>Seiurus aurocapilla</i>) (<i>Vireo olivaceus</i>) (<i>Agelaius phoeniceus</i>) (<i>Pheucticus ludovicianus</i>) (<i>Passerculus sandwichensis</i>) (<i>Melospiza melodia</i>) (<i>Sitta carolinensis</i>) (<i>Aix sponsa</i>) (<i>Sphyrapicus varius</i>) (<i>Setophaga coronata</i>) |
| SP_A_02 | American Crow American Robin Black-capped Chickadee Blue Jay Chestnut-sided Warbler Chipping Sparrow Clay-colored Sparrow Common Grackle Common Yellowthroat Gray Catbird Indigo Bunting Ovenbird Red-eyed Vireo Rock Pigeon Savannah Sparrow Song Sparrow Wood Duck Yellow-rumped Warbler | (<i>Corvus brachyrhynchos</i>) (<i>Turdus migratorius</i>) (<i>Poecile atricapillus</i>) (<i>Cyanocitta cristata</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella passerina</i>) (<i>Spizella pallida</i>) (<i>Quiscalus quiscula</i>) (<i>Geothlypis trichas</i>) (<i>Dumetella carolinensis</i>) (<i>Passerina cyanea</i>) (<i>Seiurus aurocapilla</i>) (<i>Vireo olivaceus</i>) (<i>Columba livia</i>) (<i>Passerculus sandwichensis</i>) (<i>Melospiza melodia</i>) (<i>Aix sponsa</i>) (<i>Setophaga coronata</i>) |
| SP_A_03 | American Crow American Robin Black-capped Chickadee Blue Jay Chestnut-sided Warbler Chipping Sparrow Common Yellowthroat | (<i>Corvus brachyrhynchos</i>) (<i>Turdus migratorius</i>) (<i>Poecile atricapillus</i>) (<i>Cyanocitta cristata</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella passerina</i>) (<i>Geothlypis trichas</i>) |

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Loggerhead Shrike Surveys - Wisconsin

| Point ID | Species Observed | |
|----------|--------------------------|------------------------------------|
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Mallard | <i>(Anas platyrhynchos)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_A_04 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Yellow-bellied Sapsucker | <i>(Sphyrapicus varius)</i> |
| SP_A_05 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Northern Flicker | <i>(Colaptes auratus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Sandhill Crane | <i>(Antigone canadensis)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_A_06 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |

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| Point ID | Species Observed | |
|----------|---|---|
| | Ovenbird Red-winged Blackbird Rock Pigeon Savannah Sparrow Song Sparrow Turkey Vulture | <i>(Seiurus aurocapilla)</i> <i>(Agelaius phoeniceus)</i> <i>(Columba livia)</i> <i>(Passerculus sandwichensis)</i> <i>(Melospiza melodia)</i> <i>(Cathartes aura)</i> |
| SP_A_07 | American Crow American Robin Bald Eagle Black-capped Chickadee Blue Jay Common Yellowthroat Indigo Bunting Killdeer Ovenbird Red-winged Blackbird Rock Pigeon Savannah Sparrow Song Sparrow White-crowned Sparrow Wood Duck | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Haliaeetus leucocephalus)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Geothlypis trichas)</i> <i>(Passerina cyanea)</i> <i>(Charadrius vociferus)</i> <i>(Seiurus aurocapilla)</i> <i>(Agelaius phoeniceus)</i> <i>(Columba livia)</i> <i>(Passerculus sandwichensis)</i> <i>(Melospiza melodia)</i> <i>(Zonotrichia leucophrys)</i> <i>(Aix sponsa)</i> |
| SP_A_09 | Alder Flycatcher American Crow American Robin Black-capped Chickadee Blue Jay Chestnut-sided Warbler Chipping Sparrow Clay-colored Sparrow Common Yellowthroat Indigo Bunting Ovenbird Red-winged Blackbird Song Sparrow Veery White-throated Sparrow Wild Turkey Yellow-rumped Warbler | <i>(Empidonax alnorum)</i> <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Spizella passerina)</i> <i>(Spizella pallida)</i> <i>(Geothlypis trichas)</i> <i>(Passerina cyanea)</i> <i>(Seiurus aurocapilla)</i> <i>(Agelaius phoeniceus)</i> <i>(Melospiza melodia)</i> <i>(Catharus fuscescens)</i> <i>(Zonotrichia albicollis)</i> <i>(Meleagris gallopavo)</i> <i>(Setophaga coronata)</i> |
| SP_A_10 | Alder Flycatcher American Crow American Goldfinch American Robin Black-capped Chickadee Canada Goose Chipping Sparrow Clay-colored Sparrow | <i>(Empidonax alnorum)</i> <i>(Corvus brachyrhynchos)</i> <i>(Spinus tristis)</i> <i>(Turdus migratorius)</i> <i>(Poecile atricapillus)</i> <i>(Branta canadensis)</i> <i>(Spizella passerina)</i> <i>(Spizella pallida)</i> |

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Midwest Natural Resources, Inc. – Enbridge – Line 5 Wisconsin Segment Replacement Project – Loggerhead Shrike Surveys - Wisconsin

| Point ID | Species Observed | |
|----------|------------------------|------------------------------------|
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| | Yellow-rumped Warbler | <i>(Setophaga coronata)</i> |
| SP_A_11 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_A_11 | American Robin | <i>(Turdus migratorius)</i> |
| SP_A_11 | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| SP_A_11 | Chipping Sparrow | <i>(Spizella passerina)</i> |
| SP_A_11 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_A_11 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_A_11 | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| SP_A_11 | Hermit Thrush | <i>(Catharus guttatus)</i> |
| SP_A_11 | Indigo Bunting | <i>(Passerina cyanea)</i> |
| SP_A_11 | Least Flycatcher | <i>(Empidonax minimus)</i> |
| SP_A_11 | Mourning Dove | <i>(Zenaida macroura)</i> |
| SP_A_11 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_A_11 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_A_11 | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| SP_A_11 | Sandhill Crane | <i>(Antigone canadensis)</i> |
| SP_A_11 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_A_12 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_A_12 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_A_12 | American Robin | <i>(Turdus migratorius)</i> |
| SP_A_12 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_A_12 | Chipping Sparrow | <i>(Spizella passerina)</i> |
| SP_A_12 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_A_12 | Eastern Wood-Pewee | <i>(Contopus virens)</i> |
| SP_A_12 | Indigo Bunting | <i>(Passerina cyanea)</i> |
| SP_A_12 | Mourning Dove | <i>(Zenaida macroura)</i> |
| SP_A_12 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_A_12 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_A_12 | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| SP_A_12 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_A_12 | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| SP_A_12 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_A_12 | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| SP_E_01 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_01 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_01 | Barn Swallow | <i>(Hirundo rustica)</i> |
| SP_E_01 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_E_01 | Blue Jay | <i>(Cyanocitta cristata)</i> |

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| Point ID | Species Observed | |
|----------|------------------------|------------------------------------|
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_02 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_02 | American Goldfinch | <i>(Spinus tristis)</i> |
| SP_E_02 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_02 | Blue Jay | <i>(Cyanocitta cristata)</i> |
| SP_E_02 | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| SP_E_02 | Chipping Sparrow | <i>(Spizella passerina)</i> |
| SP_E_02 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_E_02 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_02 | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| SP_E_02 | Hermit Thrush | <i>(Catharus guttatus)</i> |
| SP_E_02 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_E_02 | Sandhill Crane | <i>(Antigone canadensis)</i> |
| SP_E_02 | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| SP_E_02 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_03 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_03 | American Goldfinch | <i>(Spinus tristis)</i> |
| SP_E_03 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_E_03 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_03 | Blue Jay | <i>(Cyanocitta cristata)</i> |
| SP_E_03 | Canada Goose | <i>(Branta canadensis)</i> |
| SP_E_03 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_E_03 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_03 | Indigo Bunting | <i>(Passerina cyanea)</i> |
| SP_E_03 | Killdeer | <i>(Charadrius vociferus)</i> |
| SP_E_03 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_E_03 | Rock Pigeon | <i>(Columba livia)</i> |
| SP_E_03 | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| SP_E_03 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_03 | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| SP_E_04 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_04 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_04 | Canada Goose | <i>(Branta canadensis)</i> |
| SP_E_04 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_E_04 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |

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| Point ID | Species Observed | |
|----------|-----------------------|------------------------------------|
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Pine Warbler | <i>(Setophaga pinus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| SP_E_05 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_05 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_E_05 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_05 | Blue Jay | <i>(Cyanocitta cristata)</i> |
| SP_E_05 | Brown Thrasher | <i>(Toxostoma rufum)</i> |
| SP_E_05 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_05 | Killdeer | <i>(Charadrius vociferus)</i> |
| SP_E_05 | Merlin | <i>(Falco columbarius)</i> |
| SP_E_05 | Northern Cardinal | <i>(Cardinalis cardinalis)</i> |
| SP_E_05 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_E_05 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_E_05 | Pine Warbler | <i>(Setophaga pinus)</i> |
| SP_E_05 | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| SP_E_05 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_E_05 | Rock Pigeon | <i>(Columba livia)</i> |
| SP_E_05 | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| SP_E_05 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_05 | Turkey Vulture | <i>(Cathartes aura)</i> |
| SP_E_06 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_06 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_E_06 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_06 | Chipping Sparrow | <i>(Spizella passerina)</i> |
| SP_E_06 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_06 | Hermit Thrush | <i>(Catharus guttatus)</i> |
| SP_E_06 | Indigo Bunting | <i>(Passerina cyanea)</i> |
| SP_E_06 | Killdeer | <i>(Charadrius vociferus)</i> |
| SP_E_06 | Northern Cardinal | <i>(Cardinalis cardinalis)</i> |
| SP_E_06 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_E_06 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_E_06 | Pine Warbler | <i>(Setophaga pinus)</i> |
| SP_E_06 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_E_06 | Rock Pigeon | <i>(Columba livia)</i> |
| SP_E_06 | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| SP_E_06 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_07 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_07 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_E_07 | American Robin | <i>(Turdus migratorius)</i> |

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| Point ID | Species Observed | |
|----------|--------------------------|------------------------------------|
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Eastern Phoebe | <i>(Sayornis phoebe)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_08 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_08 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_08 | Blue Jay | <i>(Cyanocitta cristata)</i> |
| SP_E_08 | Canada Goose | <i>(Branta canadensis)</i> |
| SP_E_08 | Common Raven | <i>(Corvus corax)</i> |
| SP_E_08 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_08 | Eastern Phoebe | <i>(Sayornis phoebe)</i> |
| SP_E_08 | European Starling | <i>(Sturnus vulgaris)</i> |
| SP_E_08 | Indigo Bunting | <i>(Passerina cyanea)</i> |
| SP_E_08 | Killdeer | <i>(Charadrius vociferus)</i> |
| SP_E_08 | Least Flycatcher | <i>(Empidonax minimus)</i> |
| SP_E_08 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_E_08 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_E_08 | Pine Warbler | <i>(Setophaga pinus)</i> |
| SP_E_08 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_E_08 | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| SP_E_08 | Rock Pigeon | <i>(Columba livia)</i> |
| SP_E_08 | Sandhill Crane | <i>(Antigone canadensis)</i> |
| SP_E_08 | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| SP_E_08 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_09 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_09 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_09 | Blue Jay | <i>(Cyanocitta cristata)</i> |
| SP_E_09 | Canada Goose | <i>(Branta canadensis)</i> |
| SP_E_09 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_09 | Eastern Phoebe | <i>(Sayornis phoebe)</i> |
| SP_E_09 | Great Crested Flycatcher | <i>(Myiarchus crinitus)</i> |
| SP_E_09 | Hermit Thrush | <i>(Catharus guttatus)</i> |
| SP_E_09 | Least Flycatcher | <i>(Empidonax minimus)</i> |
| SP_E_09 | Mourning Dove | <i>(Zenaida macroura)</i> |
| SP_E_09 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_E_09 | Pine Warbler | <i>(Setophaga pinus)</i> |
| SP_E_09 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_E_09 | Rock Pigeon | <i>(Columba livia)</i> |
| SP_E_09 | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |

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| Point ID | Species Observed | |
|------------------------|---------------------------------|------------------------------------|
| SP_E_10 | Song Sparrow | <i>(Melospiza melodia)</i> |
| | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Eastern Phoebe | <i>(Sayornis phoebe)</i> |
| | Great Crested Flycatcher | <i>(Myiarchus crinitus)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Northern Cardinal | <i>(Cardinalis cardinalis)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pine Warbler | <i>(Setophaga pinus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| Song Sparrow | <i>(Melospiza melodia)</i> | |
| White-throated Sparrow | <i>(Zonotrichia albicollis)</i> | |
| SP_E_11 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | European Starling | <i>(Sturnus vulgaris)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Northern Flicker | <i>(Colaptes auratus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pine Warbler | <i>(Setophaga pinus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> | |
| Song Sparrow | <i>(Melospiza melodia)</i> | |
| SP_E_12 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| Common Yellowthroat | <i>(Geothlypis trichas)</i> | |

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| Point ID | Species Observed |
|----------|--|
| | Gray Catbird (<i>Dumetella carolinensis</i>) Indigo Bunting (<i>Passerina cyanea</i>) Least Flycatcher (<i>Empidonax minimus</i>) Mourning Dove (<i>Zenaida macroura</i>) Nashville Warbler (<i>Leiothlypis ruficapilla</i>) Northern Flicker (<i>Colaptes auratus</i>) Pine Warbler (<i>Setophaga pinus</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Rose-breasted Grosbeak (<i>Pheucticus ludovicianus</i>) Savannah Sparrow (<i>Passerculus sandwichensis</i>) Song Sparrow (<i>Melospiza melodia</i>) |
| SP_E_13 | American Crow (<i>Corvus brachyrhynchos</i>) American Robin (<i>Turdus migratorius</i>) Cedar Waxwing (<i>Bombycilla cedrorum</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Clay-colored Sparrow (<i>Spizella pallida</i>) Common Yellowthroat (<i>Geothlypis trichas</i>) Gray Catbird (<i>Dumetella carolinensis</i>) Killdeer (<i>Charadrius vociferus</i>) Least Flycatcher (<i>Empidonax minimus</i>) Northern Flicker (<i>Colaptes auratus</i>) Pine Warbler (<i>Setophaga pinus</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Rose-breasted Grosbeak (<i>Pheucticus ludovicianus</i>) Song Sparrow (<i>Melospiza melodia</i>) White-throated Sparrow (<i>Zonotrichia albicollis</i>) |
| SP_E_14 | American Crow (<i>Corvus brachyrhynchos</i>) American Robin (<i>Turdus migratorius</i>) Black-capped Chickadee (<i>Poecile atricapillus</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Clay-colored Sparrow (<i>Spizella pallida</i>) Common Yellowthroat (<i>Geothlypis trichas</i>) Gray Catbird (<i>Dumetella carolinensis</i>) Hermit Thrush (<i>Catharus guttatus</i>) Mourning Dove (<i>Zenaida macroura</i>) Pine Warbler (<i>Setophaga pinus</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Song Sparrow (<i>Melospiza melodia</i>) White-throated Sparrow (<i>Zonotrichia albicollis</i>) |
| SP_E_15 | American Crow (<i>Corvus brachyrhynchos</i>) American Robin (<i>Turdus migratorius</i>) Blue Jay (<i>Cyanocitta cristata</i>) Canada Goose (<i>Branta canadensis</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Clay-colored Sparrow (<i>Spizella pallida</i>) Common Grackle (<i>Quiscalus quiscula</i>) |

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| Point ID | Species Observed | |
|----------|------------------------|------------------------------------|
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Northern Flicker | <i>(Colaptes auratus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Sandhill Crane | <i>(Antigone canadensis)</i> |
| SP_E_16 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_16 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_16 | Broad-winged Hawk | <i>(Buteo platypterus)</i> |
| SP_E_16 | Chipping Sparrow | <i>(Spizella passerina)</i> |
| SP_E_16 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_E_16 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_16 | Hermit Thrush | <i>(Catharus guttatus)</i> |
| SP_E_16 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_E_16 | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| SP_E_17 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_17 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_E_17 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_17 | Broad-winged Hawk | <i>(Buteo platypterus)</i> |
| SP_E_17 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_E_17 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_17 | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| SP_E_17 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_E_17 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_E_17 | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| SP_E_17 | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| SP_E_17 | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| SP_E_17 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_17 | Veery | <i>(Catharus fuscescens)</i> |
| SP_E_17 | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| SP_E_18 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_18 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_E_18 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_18 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_E_18 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_18 | Hermit Thrush | <i>(Catharus guttatus)</i> |
| SP_E_18 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_E_18 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_E_18 | Pine Warbler | <i>(Setophaga pinus)</i> |
| SP_E_18 | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| SP_E_18 | Ruffed Grouse | <i>(Bonasa umbellus)</i> |

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| Point ID | Species Observed | |
|--------------------------|-----------------------------|----------------------------------|
| SP_E_19 | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Mallard | <i>(Anas platyrhynchos)</i> |
| | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| Wood Duck | <i>(Aix sponsa)</i> | |
| SP_E_20 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Wood Duck | <i>(Aix sponsa)</i> |
| Yellow-bellied Sapsucker | <i>(Sphyrapicus varius)</i> | |
| Yellow-rumped Warbler | <i>(Setophaga coronata)</i> | |
| SP_E_21 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| Red-breasted Nuthatch | <i>(Sitta canadensis)</i> | |
| Red-eyed Vireo | <i>(Vireo olivaceus)</i> | |

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| Point ID | Species Observed | |
|----------|--------------------------|----------------------------------|
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| SP_E_22 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| | Yellow-bellied Sapsucker | <i>(Sphyrapicus varius)</i> |
| SP_E_23 | Alder Flycatcher | <i>(Empidonax alnorum)</i> |
| | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Hairy Woodpecker | <i>(Dryobates villosus)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Mourning Warbler | <i>(Geothlypis philadelphia)</i> |
| | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| SP_E_24 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Hairy Woodpecker | <i>(Dryobates villosus)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |

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| Point ID | Species Observed | |
|----------|-------------------------|----------------------------------|
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| | Yellow-rumped Warbler | <i>(Setophaga coronata)</i> |
| SP_E_25 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_25 | American Goldfinch | <i>(Spinus tristis)</i> |
| SP_E_25 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_E_25 | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| SP_E_25 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_E_25 | Blue Jay | <i>(Cyanocitta cristata)</i> |
| SP_E_25 | Canada Goose | <i>(Branta canadensis)</i> |
| SP_E_25 | Northern Parula | <i>(Setophaga americana)</i> |
| SP_E_25 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_E_25 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_E_25 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_E_25 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_25 | Turkey Vulture | <i>(Cathartes aura)</i> |
| SP_E_25 | Veery | <i>(Catharus fuscescens)</i> |
| SP_E_25 | Yellow-rumped Warbler | <i>(Setophaga coronata)</i> |
| SP_E_26 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_26 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_26 | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| SP_E_26 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_E_26 | Blue Jay | <i>(Cyanocitta cristata)</i> |
| SP_E_26 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_E_26 | Hermit Thrush | <i>(Catharus guttatus)</i> |
| SP_E_26 | Indigo Bunting | <i>(Passerina cyanea)</i> |
| SP_E_26 | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| SP_E_26 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_E_26 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_E_26 | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| SP_E_26 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_E_26 | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| SP_E_26 | Ring-billed Gull | <i>(Larus delawarensis)</i> |
| SP_E_26 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_26 | Turkey Vulture | <i>(Cathartes aura)</i> |
| SP_E_26 | Veery | <i>(Catharus fuscescens)</i> |
| SP_E_26 | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| SP_E_26 | Yellow-rumped Warbler | <i>(Setophaga coronata)</i> |
| SP_E_27 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_E_27 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_E_27 | American Robin | <i>(Turdus migratorius)</i> |
| SP_E_27 | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| SP_E_27 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |

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| Point ID | Species Observed | |
|----------|---|--|
| | Blue Jay Chestnut-sided Warbler Common Yellowthroat Downy Woodpecker Hermit Thrush Indigo Bunting Ovenbird Red-breasted Nuthatch Red-eyed Vireo Song Sparrow Veery White-throated Sparrow Wild Turkey | <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Geothlypis trichas)</i> <i>(Dryobates pubescens)</i> <i>(Catharus guttatus)</i> <i>(Passerina cyanea)</i> <i>(Seiurus aurocapilla)</i> <i>(Sitta canadensis)</i> <i>(Vireo olivaceus)</i> <i>(Melospiza melodia)</i> <i>(Catharus fuscescens)</i> <i>(Zonotrichia albicollis)</i> <i>(Meleagris gallopavo)</i> |
| SP_E_28 | American Crow American Goldfinch American Robin Black-capped Chickadee Blue Jay Chestnut-sided Warbler Chipping Sparrow Common Yellowthroat Indigo Bunting Killdeer Ovenbird Red-breasted Nuthatch Red-eyed Vireo Song Sparrow Veery Yellow-rumped Warbler | <i>(Corvus brachyrhynchos)</i> <i>(Spinus tristis)</i> <i>(Turdus migratorius)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Spizella passerina)</i> <i>(Geothlypis trichas)</i> <i>(Passerina cyanea)</i> <i>(Charadrius vociferus)</i> <i>(Seiurus aurocapilla)</i> <i>(Sitta canadensis)</i> <i>(Vireo olivaceus)</i> <i>(Melospiza melodia)</i> <i>(Catharus fuscescens)</i> <i>(Setophaga coronata)</i> |
| SP_E_29 | American Crow American Redstart American Robin Black-and-white Warbler Black-capped Chickadee Blue Jay Common Yellowthroat Northern Flicker Ovenbird Red-breasted Nuthatch Red-eyed Vireo Veery | <i>(Corvus brachyrhynchos)</i> <i>(Setophaga ruticilla)</i> <i>(Turdus migratorius)</i> <i>(Mniotilta varia)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Geothlypis trichas)</i> <i>(Colaptes auratus)</i> <i>(Seiurus aurocapilla)</i> <i>(Sitta canadensis)</i> <i>(Vireo olivaceus)</i> <i>(Catharus fuscescens)</i> |
| SP_E_30 | American Crow American Robin Black-and-white Warbler Black-capped Chickadee Blue Jay | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Mniotilta varia)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> |

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| Point ID | Species Observed | |
|----------|--------------------------|------------------------------------|
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Downy Woodpecker | <i>(Dryobates pubescens)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| SP_E_31 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Bald Eagle | <i>(Haliaeetus leucocephalus)</i> |
| | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Turkey Vulture | <i>(Cathartes aura)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| | Yellow-bellied Sapsucker | <i>(Sphyrapicus varius)</i> |
| SP_E_32 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |

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| Point ID | Species Observed | |
|----------|--|--|
| SP_E_33 | American Crow American Redstart Black-and-white Warbler Blue Jay Canada Goose Common Yellowthroat Least Flycatcher Ovenbird Red-eyed Vireo Ruffed Grouse Savannah Sparrow Song Sparrow Veery | (<i>Corvus brachyrhynchos</i>) (<i>Setophaga ruticilla</i>) (<i>Mniotilta varia</i>) (<i>Cyanocitta cristata</i>) (<i>Branta canadensis</i>) (<i>Geothlypis trichas</i>) (<i>Empidonax minimus</i>) (<i>Seiurus aurocapilla</i>) (<i>Vireo olivaceus</i>) (<i>Bonasa umbellus</i>) (<i>Passerculus sandwichensis</i>) (<i>Melospiza melodia</i>) (<i>Catharus fuscescens</i>) |
| SP_E_34 | American Crow American Goldfinch American Redstart American Robin Black-and-white Warbler Black-capped Chickadee Blue Jay Canada Goose Chestnut-sided Warbler Clay-colored Sparrow Common Raven Common Yellowthroat Merlin Ovenbird Pileated Woodpecker Red-eyed Vireo Rock Pigeon Ruffed Grouse Savannah Sparrow Song Sparrow Veery | (<i>Corvus brachyrhynchos</i>) (<i>Spinus tristis</i>) (<i>Setophaga ruticilla</i>) (<i>Turdus migratorius</i>) (<i>Mniotilta varia</i>) (<i>Poecile atricapillus</i>) (<i>Cyanocitta cristata</i>) (<i>Branta canadensis</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella pallida</i>) (<i>Corvus corax</i>) (<i>Geothlypis trichas</i>) (<i>Falco columbarius</i>) (<i>Seiurus aurocapilla</i>) (<i>Dryocopus pileatus</i>) (<i>Vireo olivaceus</i>) (<i>Columba livia</i>) (<i>Bonasa umbellus</i>) (<i>Passerculus sandwichensis</i>) (<i>Melospiza melodia</i>) (<i>Catharus fuscescens</i>) |
| SP_E_35 | American Crow American Goldfinch Black-and-white Warbler Blue Jay Chestnut-sided Warbler Clay-colored Sparrow Common Raven Common Yellowthroat Gray Catbird Killdeer Ovenbird Red-eyed Vireo | (<i>Corvus brachyrhynchos</i>) (<i>Spinus tristis</i>) (<i>Mniotilta varia</i>) (<i>Cyanocitta cristata</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella pallida</i>) (<i>Corvus corax</i>) (<i>Geothlypis trichas</i>) (<i>Dumetella carolinensis</i>) (<i>Charadrius vociferus</i>) (<i>Seiurus aurocapilla</i>) (<i>Vireo olivaceus</i>) |

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| Point ID | Species Observed | |
|----------|------------------------|------------------------------------|
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| SP_E_36 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Brown Thrasher | <i>(Toxostoma rufum)</i> |
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_37 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Brown Thrasher | <i>(Toxostoma rufum)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Mourning Warbler | <i>(Geothlypis philadelphia)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_E_38 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |

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| Point ID | Species Observed | |
|----------|---|--|
| | Indigo Bunting Mourning Warbler Ovenbird Red-eyed Vireo Rock Pigeon Song Sparrow | <i>(Passerina cyanea)</i> <i>(Geothlypis philadelphia)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> <i>(Columba livia)</i> <i>(Melospiza melodia)</i> |
| SP_E_39 | American Crow American Robin Blue Jay Chestnut-sided Warbler Chipping Sparrow Common Raven Common Yellowthroat Hermit Thrush Indigo Bunting Killdeer Ovenbird Red-eyed Vireo Rock Pigeon Song Sparrow Wood Duck | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Spizella passerina)</i> <i>(Corvus corax)</i> <i>(Geothlypis trichas)</i> <i>(Catharus guttatus)</i> <i>(Passerina cyanea)</i> <i>(Charadrius vociferus)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> <i>(Columba livia)</i> <i>(Melospiza melodia)</i> <i>(Aix sponsa)</i> |
| SP_E_40 | American Crow American Robin Bald Eagle Blue Jay Chestnut-sided Warbler Chipping Sparrow Indigo Bunting Mourning Warbler Ovenbird Red-eyed Vireo Rock Pigeon Rose-breasted Grosbeak | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Haliaeetus leucocephalus)</i> <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Spizella passerina)</i> <i>(Passerina cyanea)</i> <i>(Geothlypis philadelphia)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> <i>(Columba livia)</i> <i>(Pheucticus ludovicianus)</i> |
| SP_E_41 | American Crow American Robin Black-capped Chickadee Blue Jay Chestnut-sided Warbler Chipping Sparrow Mourning Warbler Ovenbird Red-eyed Vireo Rock Pigeon Rose-breasted Grosbeak Song Sparrow Wild Turkey | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Spizella passerina)</i> <i>(Geothlypis philadelphia)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> <i>(Columba livia)</i> <i>(Pheucticus ludovicianus)</i> <i>(Melospiza melodia)</i> <i>(Meleagris gallopavo)</i> |

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| Point ID | Species Observed |
|----------|--|
| SP_E_42 | American Crow (<i>Corvus brachyrhynchos</i>) Blue Jay (<i>Cyanocitta cristata</i>) Chipping Sparrow (<i>Spizella passerina</i>) Indigo Bunting (<i>Passerina cyanea</i>) Ovenbird (<i>Seiurus aurocapilla</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Rose-breasted Grosbeak (<i>Pheucticus ludovicianus</i>) |
| SP_W_01 | American Crow (<i>Corvus brachyrhynchos</i>) American Robin (<i>Turdus migratorius</i>) Black-and-white Warbler (<i>Mniotilta varia</i>) Black-throated Green Warbler (<i>Setophaga virens</i>) Blue Jay (<i>Cyanocitta cristata</i>) Ovenbird (<i>Seiurus aurocapilla</i>) Red-breasted Nuthatch (<i>Sitta canadensis</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Song Sparrow (<i>Melospiza melodia</i>) White-breasted Nuthatch (<i>Sitta carolinensis</i>) Yellow-bellied Sapsucker (<i>Sphyrapicus varius</i>) |
| SP_W_02 | American Crow (<i>Corvus brachyrhynchos</i>) Black-capped Chickadee (<i>Poecile atricapillus</i>) Black-throated Green Warbler (<i>Setophaga virens</i>) Blue Jay (<i>Cyanocitta cristata</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Chipping Sparrow (<i>Spizella passerina</i>) Indigo Bunting (<i>Passerina cyanea</i>) Ovenbird (<i>Seiurus aurocapilla</i>) Pileated Woodpecker (<i>Dryocopus pileatus</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) White-breasted Nuthatch (<i>Sitta carolinensis</i>) Yellow-rumped Warbler (<i>Setophaga coronata</i>) |
| SP_W_03 | American Crow (<i>Corvus brachyrhynchos</i>) American Robin (<i>Turdus migratorius</i>) Black-capped Chickadee (<i>Poecile atricapillus</i>) Black-throated Green Warbler (<i>Setophaga virens</i>) Blue Jay (<i>Cyanocitta cristata</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Chipping Sparrow (<i>Spizella passerina</i>) Indigo Bunting (<i>Passerina cyanea</i>) Ovenbird (<i>Seiurus aurocapilla</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Red-winged Blackbird (<i>Agelaius phoeniceus</i>) Rock Pigeon (<i>Columba livia</i>) Song Sparrow (<i>Melospiza melodia</i>) Yellow-rumped Warbler (<i>Setophaga coronata</i>) |
| SP_W_04 | American Crow (<i>Corvus brachyrhynchos</i>) American Goldfinch (<i>Spinus tristis</i>) |

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| Point ID | Species Observed |
|----------|---|
| | American Robin (<i>Turdus migratorius</i>) Bald Eagle (<i>Haliaeetus leucocephalus</i>) Black-capped Chickadee (<i>Poecile atricapillus</i>) Black-throated Green Warbler (<i>Setophaga virens</i>) Blue Jay (<i>Cyanocitta cristata</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Chipping Sparrow (<i>Spizella passerina</i>) Common Yellowthroat (<i>Geothlypis trichas</i>) Gray Catbird (<i>Dumetella carolinensis</i>) Indigo Bunting (<i>Passerina cyanea</i>) Killdeer (<i>Charadrius vociferus</i>) Ovenbird (<i>Seiurus aurocapilla</i>) Rose-breasted Grosbeak (<i>Pheucticus ludovicianus</i>) Song Sparrow (<i>Melospiza melodia</i>) White-breasted Nuthatch (<i>Sitta carolinensis</i>) Wood Duck (<i>Aix sponsa</i>) |
| SP_W_05 | American Crow (<i>Corvus brachyrhynchos</i>) American Robin (<i>Turdus migratorius</i>) Blue Jay (<i>Cyanocitta cristata</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Chipping Sparrow (<i>Spizella passerina</i>) Common Yellowthroat (<i>Geothlypis trichas</i>) Indigo Bunting (<i>Passerina cyanea</i>) Killdeer (<i>Charadrius vociferus</i>) Ovenbird (<i>Seiurus aurocapilla</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Red-winged Blackbird (<i>Agelaius phoeniceus</i>) Savannah Sparrow (<i>Passerculus sandwichensis</i>) Song Sparrow (<i>Melospiza melodia</i>) |
| SP_W_06 | American Crow (<i>Corvus brachyrhynchos</i>) American Robin (<i>Turdus migratorius</i>) Blue Jay (<i>Cyanocitta cristata</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Chipping Sparrow (<i>Spizella passerina</i>) Common Yellowthroat (<i>Geothlypis trichas</i>) Indigo Bunting (<i>Passerina cyanea</i>) Ovenbird (<i>Seiurus aurocapilla</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Red-winged Blackbird (<i>Agelaius phoeniceus</i>) Savannah Sparrow (<i>Passerculus sandwichensis</i>) Song Sparrow (<i>Melospiza melodia</i>) |
| SP_W_07 | American Crow (<i>Corvus brachyrhynchos</i>) American Goldfinch (<i>Spinus tristis</i>) American Robin (<i>Turdus migratorius</i>) Black-and-white Warbler (<i>Mniotilta varia</i>) Black-capped Chickadee (<i>Poecile atricapillus</i>) |

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| Point ID | Species Observed | |
|----------|--|--|
| | Blue Jay Chipping Sparrow Clay-colored Sparrow Common Yellowthroat Indigo Bunting Nashville Warbler Ovenbird Red-eyed Vireo Savannah Sparrow Song Sparrow | <i>(Cyanocitta cristata)</i> <i>(Spizella passerina)</i> <i>(Spizella pallida)</i> <i>(Geothlypis trichas)</i> <i>(Passerina cyanea)</i> <i>(Leiothlypis ruficapilla)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> <i>(Passerculus sandwichensis)</i> <i>(Melospiza melodia)</i> |
| SP_W_08 | American Crow American Goldfinch American Redstart Black-and-white Warbler Black-capped Chickadee Blue Jay Chestnut-sided Warbler Clay-colored Sparrow Common Yellowthroat Indigo Bunting Ovenbird Red-eyed Vireo Savannah Sparrow Song Sparrow | <i>(Corvus brachyrhynchos)</i> <i>(Spinus tristis)</i> <i>(Setophaga ruticilla)</i> <i>(Mniotilta varia)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Spizella pallida)</i> <i>(Geothlypis trichas)</i> <i>(Passerina cyanea)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> <i>(Passerculus sandwichensis)</i> <i>(Melospiza melodia)</i> |
| SP_W_09 | American Crow American Redstart American Robin Black-and-white Warbler Black-capped Chickadee Blue Jay Chestnut-sided Warbler Clay-colored Sparrow Common Yellowthroat Ovenbird Red-eyed Vireo Ruffed Grouse Savannah Sparrow Yellow-rumped Warbler | <i>(Corvus brachyrhynchos)</i> <i>(Setophaga ruticilla)</i> <i>(Turdus migratorius)</i> <i>(Mniotilta varia)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Spizella pallida)</i> <i>(Geothlypis trichas)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> <i>(Bonasa umbellus)</i> <i>(Passerculus sandwichensis)</i> <i>(Setophaga coronata)</i> |
| SP_W_10 | American Crow American Robin Black-and-white Warbler Blue Jay Chestnut-sided Warbler Clay-colored Sparrow Killdeer Ovenbird | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Mniotilta varia)</i> <i>(Cyanocitta cristata)</i> <i>(Setophaga pensylvanica)</i> <i>(Spizella pallida)</i> <i>(Charadrius vociferus)</i> <i>(Seiurus aurocapilla)</i> |

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| Point ID | Species Observed | |
|----------|-------------------------|------------------------------------|
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Yellow-rumped Warbler | <i>(Setophaga coronata)</i> |
| SP_W_11 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Sandhill Crane | <i>(Antigone canadensis)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| SP_W_12 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | Bald Eagle | <i>(Haliaeetus leucocephalus)</i> |
| | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | European Starling | <i>(Sturnus vulgaris)</i> |
| | Mallard | <i>(Anas platyrhynchos)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Sandhill Crane | <i>(Antigone canadensis)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| SP_W_13 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Bald Eagle | <i>(Haliaeetus leucocephalus)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| SP_W_14 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |

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| Point ID | Species Observed | |
|----------|--------------------------|----------------------------------|
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Ring-billed Gull | <i>(Larus delawarensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| SP_W_15 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_W_15 | American Goldfinch | <i>(Spinus tristis)</i> |
| SP_W_15 | American Redstart | <i>(Setophaga ruticilla)</i> |
| SP_W_15 | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| SP_W_15 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_W_15 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_W_15 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_W_15 | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| SP_W_16 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_W_16 | American Goldfinch | <i>(Spinus tristis)</i> |
| SP_W_16 | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| SP_W_16 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_W_16 | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| SP_W_16 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_W_16 | Indigo Bunting | <i>(Passerina cyanea)</i> |
| SP_W_16 | Least Flycatcher | <i>(Empidonax minimus)</i> |
| SP_W_16 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_W_16 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| SP_W_16 | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| SP_W_16 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_W_16 | Turkey Vulture | <i>(Cathartes aura)</i> |
| SP_W_16 | Wild Turkey | <i>(Meleagris gallopavo)</i> |
| SP_W_17 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_W_17 | American Goldfinch | <i>(Spinus tristis)</i> |
| SP_W_17 | Black-and-white Warbler | <i>(Mniotilta varia)</i> |
| SP_W_17 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_W_17 | Canada Goose | <i>(Branta canadensis)</i> |
| SP_W_17 | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| SP_W_17 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_W_17 | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| SP_W_17 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_W_17 | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| SP_W_17 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_W_17 | Rose-breasted Grosbeak | <i>(Pheucticus ludovicianus)</i> |
| SP_W_17 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_W_17 | Turkey Vulture | <i>(Cathartes aura)</i> |
| SP_W_17 | Yellow-bellied Sapsucker | <i>(Sphyrapicus varius)</i> |
| SP_W_18 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_W_18 | American Goldfinch | <i>(Spinus tristis)</i> |

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| Point ID | Species Observed | |
|----------|--|---|
| | American Redstart Blue Jay Chestnut-sided Warbler Chipping Sparrow Common Yellowthroat Indigo Bunting Ovenbird Red-breasted Nuthatch Red-eyed Vireo Red-winged Blackbird Song Sparrow White-throated Sparrow Yellow-rumped Warbler | (<i>Setophaga ruticilla</i>) (<i>Cyanocitta cristata</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella passerina</i>) (<i>Geothlypis trichas</i>) (<i>Passerina cyanea</i>) (<i>Seiurus aurocapilla</i>) (<i>Sitta canadensis</i>) (<i>Vireo olivaceus</i>) (<i>Agelaius phoeniceus</i>) (<i>Melospiza melodia</i>) (<i>Zonotrichia albicollis</i>) (<i>Setophaga coronata</i>) |
| SP_W_19 | American Crow American Goldfinch American Redstart Bald Eagle Blue Jay Chestnut-sided Warbler Chipping Sparrow Clay-colored Sparrow Common Yellowthroat Hairy Woodpecker Indigo Bunting Nashville Warbler Northern Flicker Ovenbird Pileated Woodpecker Red-breasted Nuthatch Red-eyed Vireo Red-tailed Hawk Song Sparrow White-throated Sparrow Yellow-rumped Warbler | (<i>Corvus brachyrhynchos</i>) (<i>Spinus tristis</i>) (<i>Setophaga ruticilla</i>) (<i>Haliaeetus leucocephalus</i>) (<i>Cyanocitta cristata</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella passerina</i>) (<i>Spizella pallida</i>) (<i>Geothlypis trichas</i>) (<i>Dryobates villosus</i>) (<i>Passerina cyanea</i>) (<i>Leiothlypis ruficapilla</i>) (<i>Colaptes auratus</i>) (<i>Seiurus aurocapilla</i>) (<i>Dryocopus pileatus</i>) (<i>Sitta canadensis</i>) (<i>Vireo olivaceus</i>) (<i>Buteo jamaicensis</i>) (<i>Melospiza melodia</i>) (<i>Zonotrichia albicollis</i>) (<i>Setophaga coronata</i>) |
| SP_W_20 | American Crow American Goldfinch American Redstart Black-and-white Warbler Black-capped Chickadee Blue Jay Chestnut-sided Warbler Clay-colored Sparrow Common Yellowthroat Hairy Woodpecker Northern Flicker Ovenbird | (<i>Corvus brachyrhynchos</i>) (<i>Spinus tristis</i>) (<i>Setophaga ruticilla</i>) (<i>Mniotilta varia</i>) (<i>Poecile atricapillus</i>) (<i>Cyanocitta cristata</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella pallida</i>) (<i>Geothlypis trichas</i>) (<i>Dryobates villosus</i>) (<i>Colaptes auratus</i>) (<i>Seiurus aurocapilla</i>) |

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| Point ID | Species Observed |
|----------|---|
| | Pileated Woodpecker (<i>Dryocopus pileatus</i>) Red-breasted Nuthatch (<i>Sitta canadensis</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Savannah Sparrow (<i>Passerculus sandwichensis</i>) Sedge Wren (<i>Cistothorus platensis</i>) Song Sparrow (<i>Melospiza melodia</i>) Yellow-rumped Warbler (<i>Setophaga coronata</i>) |
| SP_W_21 | Alder Flycatcher (<i>Empidonax alnorum</i>) American Crow (<i>Corvus brachyrhynchos</i>) American Goldfinch (<i>Spinus tristis</i>) American Redstart (<i>Setophaga ruticilla</i>) Black-and-white Warbler (<i>Mniotilta varia</i>) Black-capped Chickadee (<i>Poecile atricapillus</i>) Clay-colored Sparrow (<i>Spizella pallida</i>) Common Yellowthroat (<i>Geothlypis trichas</i>) Hairy Woodpecker (<i>Dryobates villosus</i>) Least Flycatcher (<i>Empidonax minimus</i>) Nashville Warbler (<i>Leiothlypis ruficapilla</i>) Pileated Woodpecker (<i>Dryocopus pileatus</i>) Red-winged Blackbird (<i>Agelaius phoeniceus</i>) Ruffed Grouse (<i>Bonasa umbellus</i>) Sedge Wren (<i>Cistothorus platensis</i>) Song Sparrow (<i>Melospiza melodia</i>) Veery (<i>Catharus fuscescens</i>) White-throated Sparrow (<i>Zonotrichia albicollis</i>) |
| SP_W_22 | Alder Flycatcher (<i>Empidonax alnorum</i>) American Crow (<i>Corvus brachyrhynchos</i>) American Goldfinch (<i>Spinus tristis</i>) Black-capped Chickadee (<i>Poecile atricapillus</i>) Chestnut-sided Warbler (<i>Setophaga pensylvanica</i>) Clay-colored Sparrow (<i>Spizella pallida</i>) Common Yellowthroat (<i>Geothlypis trichas</i>) Hairy Woodpecker (<i>Dryobates villosus</i>) Mallard (<i>Anas platyrhynchos</i>) Nashville Warbler (<i>Leiothlypis ruficapilla</i>) Northern Flicker (<i>Colaptes auratus</i>) Red-eyed Vireo (<i>Vireo olivaceus</i>) Red-winged Blackbird (<i>Agelaius phoeniceus</i>) Sandhill Crane (<i>Antigone canadensis</i>) Savannah Sparrow (<i>Passerculus sandwichensis</i>) Sedge Wren (<i>Cistothorus platensis</i>) Song Sparrow (<i>Melospiza melodia</i>) Wild Turkey (<i>Meleagris gallopavo</i>) |
| SP_W_23 | American Crow (<i>Corvus brachyrhynchos</i>) American Goldfinch (<i>Spinus tristis</i>) American Robin (<i>Turdus migratorius</i>) |

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| Point ID | Species Observed | |
|----------|------------------------|-----------------------------------|
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Mallard | <i>(Anas platyrhynchos)</i> |
| | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| | Northern Flicker | <i>(Colaptes auratus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Sedge Wren | <i>(Cistothorus platensis)</i> |
| | Veery | <i>(Catharus fuscescens)</i> |
| | Wood Duck | <i>(Aix sponsa)</i> |
| | Yellow-rumped Warbler | <i>(Setophaga coronata)</i> |
| SP_W_24 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_W_24 | Bald Eagle | <i>(Haliaeetus leucocephalus)</i> |
| SP_W_24 | Blue Jay | <i>(Cyanocitta cristata)</i> |
| SP_W_24 | Canada Goose | <i>(Branta canadensis)</i> |
| SP_W_24 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_W_24 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_W_24 | Mallard | <i>(Anas platyrhynchos)</i> |
| SP_W_24 | Nashville Warbler | <i>(Leiothlypis ruficapilla)</i> |
| SP_W_24 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_W_24 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_W_24 | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| SP_W_24 | Ruffed Grouse | <i>(Bonasa umbellus)</i> |
| SP_W_24 | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_W_24 | Veery | <i>(Catharus fuscescens)</i> |
| SP_W_24 | Wood Duck | <i>(Aix sponsa)</i> |
| SP_W_25 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_W_25 | Bald Eagle | <i>(Haliaeetus leucocephalus)</i> |
| SP_W_25 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_W_25 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_W_25 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_W_25 | Killdeer | <i>(Charadrius vociferus)</i> |
| SP_W_25 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_W_25 | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| SP_W_25 | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| SP_W_25 | Turkey Vulture | <i>(Cathartes aura)</i> |
| SP_W_26 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| SP_W_26 | American Robin | <i>(Turdus migratorius)</i> |
| SP_W_26 | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| SP_W_26 | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| SP_W_26 | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| SP_W_26 | Eastern Kingbird | <i>(Tyrannus tyrannus)</i> |
| SP_W_26 | Mallard | <i>(Anas platyrhynchos)</i> |
| SP_W_26 | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| SP_W_26 | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |

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| Point ID | Species Observed | |
|----------|---|---|
| | Red-eyed Vireo Red-winged Blackbird Savannah Sparrow Song Sparrow Turkey Vulture | <i>(Vireo olivaceus)</i> <i>(Agelaius phoeniceus)</i> <i>(Passerculus sandwichensis)</i> <i>(Melospiza melodia)</i> <i>(Cathartes aura)</i> |
| SP_W_27 | American Crow American Robin Black-capped Chickadee Chipping Sparrow Clay-colored Sparrow Common Yellowthroat House Wren Mourning Dove Ovenbird Red-eyed Vireo Red-winged Blackbird Song Sparrow | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Poecile atricapillus)</i> <i>(Spizella passerina)</i> <i>(Spizella pallida)</i> <i>(Geothlypis trichas)</i> <i>(Troglodytes aedon)</i> <i>(Zenaida macroura)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> <i>(Agelaius phoeniceus)</i> <i>(Melospiza melodia)</i> |
| SP_W_28 | American Crow American Goldfinch American Robin Blue Jay Chipping Sparrow Clay-colored Sparrow Common Yellowthroat Hermit Thrush House Wren Least Flycatcher Mourning Dove Nashville Warbler Northern Flicker Ovenbird Red-eyed Vireo | <i>(Corvus brachyrhynchos)</i> <i>(Spinus tristis)</i> <i>(Turdus migratorius)</i> <i>(Cyanocitta cristata)</i> <i>(Spizella passerina)</i> <i>(Spizella pallida)</i> <i>(Geothlypis trichas)</i> <i>(Catharus guttatus)</i> <i>(Troglodytes aedon)</i> <i>(Empidonax minimus)</i> <i>(Zenaida macroura)</i> <i>(Leiothlypis ruficapilla)</i> <i>(Colaptes auratus)</i> <i>(Seiurus aurocapilla)</i> <i>(Vireo olivaceus)</i> |
| SP_W_29 | American Crow American Robin Black-capped Chickadee Blue Jay Chipping Sparrow Clay-colored Sparrow Common Yellowthroat Eastern Phoebe Gray Catbird Indigo Bunting Killdeer Mourning Dove Ovenbird Pine Warbler | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Spizella passerina)</i> <i>(Spizella pallida)</i> <i>(Geothlypis trichas)</i> <i>(Sayornis phoebe)</i> <i>(Dumetella carolinensis)</i> <i>(Passerina cyanea)</i> <i>(Charadrius vociferus)</i> <i>(Zenaida macroura)</i> <i>(Seiurus aurocapilla)</i> <i>(Setophaga pinus)</i> |

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| Point ID | Species Observed | |
|----------|------------------------|---------------------------------|
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_W_30 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | European Starling | <i>(Sturnus vulgaris)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pine Warbler | <i>(Setophaga pinus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Tree Swallow | <i>(Tachycineta bicolor)</i> |
| SP_W_31 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Goldfinch | <i>(Spinus tristis)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_W_32 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Redstart | <i>(Setophaga ruticilla)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chestnut-sided Warbler | <i>(Setophaga pensylvanica)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |

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| Point ID | Species Observed | |
|----------|--------------------------|------------------------------------|
| | Eastern Wood-Pewee | <i>(Contopus virens)</i> |
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Mallard | <i>(Anas platyrhynchos)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pine Warbler | <i>(Setophaga pinus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Yellow Warbler | <i>(Setophaga petechia)</i> |
| SP_W_33 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Black-capped Chickadee | <i>(Poecile atricapillus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Eastern Wood-Pewee | <i>(Contopus virens)</i> |
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Great Crested Flycatcher | <i>(Myiarchus crinitus)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Least Flycatcher | <i>(Empidonax minimus)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_W_34 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Eastern Wood-Pewee | <i>(Contopus virens)</i> |
| | European Starling | <i>(Sturnus vulgaris)</i> |
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Hermit Thrush | <i>(Catharus guttatus)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |

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| Point ID | Species Observed | |
|----------|--|--|
| | Killdeer Least Flycatcher Mourning Dove Northern Flicker Ovenbird Pileated Woodpecker Red-eyed Vireo Red-winged Blackbird Rock Pigeon Ruby-throated Hummingbird Savannah Sparrow Song Sparrow Yellow Warbler | <i>(Charadrius vociferus)</i> <i>(Empidonax minimus)</i> <i>(Zenaida macroura)</i> <i>(Colaptes auratus)</i> <i>(Seiurus aurocapilla)</i> <i>(Dryocopus pileatus)</i> <i>(Vireo olivaceus)</i> <i>(Agelaius phoeniceus)</i> <i>(Columba livia)</i> <i>(Archilochus colubris)</i> <i>(Passerculus sandwichensis)</i> <i>(Melospiza melodia)</i> <i>(Setophaga petechia)</i> |
| SP_W_35 | American Crow American Robin Blue Jay Common Raven Common Yellowthroat Eastern Wood-Pewee Hermit Thrush Killdeer Least Flycatcher Mourning Dove Ovenbird Pileated Woodpecker Pine Warbler Red-eyed Vireo Red-winged Blackbird Rock Pigeon Sandhill Crane Savannah Sparrow Song Sparrow | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Cyanocitta cristata)</i> <i>(Corvus corax)</i> <i>(Geothlypis trichas)</i> <i>(Contopus virens)</i> <i>(Catharus guttatus)</i> <i>(Charadrius vociferus)</i> <i>(Empidonax minimus)</i> <i>(Zenaida macroura)</i> <i>(Seiurus aurocapilla)</i> <i>(Dryocopus pileatus)</i> <i>(Setophaga pinus)</i> <i>(Vireo olivaceus)</i> <i>(Agelaius phoeniceus)</i> <i>(Columba livia)</i> <i>(Antigone canadensis)</i> <i>(Passerculus sandwichensis)</i> <i>(Melospiza melodia)</i> |
| SP_W_36 | American Crow American Robin Black-capped Chickadee Blue Jay Chipping Sparrow Common Yellowthroat Indigo Bunting Killdeer Mourning Dove Northern Cardinal Ovenbird Rock Pigeon Savannah Sparrow Song Sparrow | <i>(Corvus brachyrhynchos)</i> <i>(Turdus migratorius)</i> <i>(Poecile atricapillus)</i> <i>(Cyanocitta cristata)</i> <i>(Spizella passerina)</i> <i>(Geothlypis trichas)</i> <i>(Passerina cyanea)</i> <i>(Charadrius vociferus)</i> <i>(Zenaida macroura)</i> <i>(Cardinalis cardinalis)</i> <i>(Seiurus aurocapilla)</i> <i>(Columba livia)</i> <i>(Passerculus sandwichensis)</i> <i>(Melospiza melodia)</i> |

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| Point ID | Species Observed | |
|----------|---|--|
| SP_W_37 | American Crow American Robin Black-capped Chickadee Chipping Sparrow Common Yellowthroat Great Crested Flycatcher Indigo Bunting Northern Cardinal Ovenbird Red-eyed Vireo Savannah Sparrow Snow Goose Song Sparrow | (<i>Corvus brachyrhynchos</i>) (<i>Turdus migratorius</i>) (<i>Poecile atricapillus</i>) (<i>Spizella passerina</i>) (<i>Geothlypis trichas</i>) (<i>Myiarchus crinitus</i>) (<i>Passerina cyanea</i>) (<i>Cardinalis cardinalis</i>) (<i>Seiurus aurocapilla</i>) (<i>Vireo olivaceus</i>) (<i>Passerculus sandwichensis</i>) (<i>Anser caerulescens</i>) (<i>Melospiza melodia</i>) |
| SP_W_38 | American Crow American Kestrel American Robin Blue Jay Chestnut-sided Warbler Chipping Sparrow Common Raven Common Yellowthroat Eastern Phoebe European Starling Indigo Bunting Killdeer Mourning Dove Northern Cardinal Northern Flicker Ovenbird Pine Warbler Red-breasted Nuthatch Red-eyed Vireo Red-winged Blackbird Rock Pigeon Song Sparrow | (<i>Corvus brachyrhynchos</i>) (<i>Falco sparverius</i>) (<i>Turdus migratorius</i>) (<i>Cyanocitta cristata</i>) (<i>Setophaga pensylvanica</i>) (<i>Spizella passerina</i>) (<i>Corvus corax</i>) (<i>Geothlypis trichas</i>) (<i>Sayornis phoebe</i>) (<i>Sturnus vulgaris</i>) (<i>Passerina cyanea</i>) (<i>Charadrius vociferus</i>) (<i>Zenaida macroura</i>) (<i>Cardinalis cardinalis</i>) (<i>Colaptes auratus</i>) (<i>Seiurus aurocapilla</i>) (<i>Setophaga pinus</i>) (<i>Sitta canadensis</i>) (<i>Vireo olivaceus</i>) (<i>Agelaius phoeniceus</i>) (<i>Columba livia</i>) (<i>Melospiza melodia</i>) |
| SP_W_39 | American Crow American Goldfinch American Robin Blue Jay Chipping Sparrow Common Yellowthroat Indigo Bunting Killdeer Northern Cardinal Ovenbird Pine Warbler | (<i>Corvus brachyrhynchos</i>) (<i>Spinus tristis</i>) (<i>Turdus migratorius</i>) (<i>Cyanocitta cristata</i>) (<i>Spizella passerina</i>) (<i>Geothlypis trichas</i>) (<i>Passerina cyanea</i>) (<i>Charadrius vociferus</i>) (<i>Cardinalis cardinalis</i>) (<i>Seiurus aurocapilla</i>) (<i>Setophaga pinus</i>) |

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| Point ID | Species Observed | |
|----------|------------------------|------------------------------------|
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Sandhill Crane | <i>(Antigone canadensis)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| SP_W_40 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Barn Swallow | <i>(Hirundo rustica)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Common Raven | <i>(Corvus corax)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Northern Cardinal | <i>(Cardinalis cardinalis)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-breasted Nuthatch | <i>(Sitta canadensis)</i> |
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| SP_W_41 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Northern Cardinal | <i>(Cardinalis cardinalis)</i> |
| | Pileated Woodpecker | <i>(Dryocopus pileatus)</i> |
| | Sandhill Crane | <i>(Antigone canadensis)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| SP_W_42 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Canada Goose | <i>(Branta canadensis)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | European Starling | <i>(Sturnus vulgaris)</i> |
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Ovenbird | <i>(Seiurus aurocapilla)</i> |
| | Red-eyed Vireo | <i>(Vireo olivaceus)</i> |

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| Point ID | Species Observed | |
|----------|------------------------|------------------------------------|
| | Red-winged Blackbird | <i>(Agelaius phoeniceus)</i> |
| | Sandhill Crane | <i>(Antigone canadensis)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | White-throated Sparrow | <i>(Zonotrichia albicollis)</i> |
| SP_W_43 | American Crow | <i>(Corvus brachyrhynchos)</i> |
| | American Kestrel | <i>(Falco sparverius)</i> |
| | American Robin | <i>(Turdus migratorius)</i> |
| | Bald Eagle | <i>(Haliaeetus leucocephalus)</i> |
| | Blue Jay | <i>(Cyanocitta cristata)</i> |
| | Chipping Sparrow | <i>(Spizella passerina)</i> |
| | Clay-colored Sparrow | <i>(Spizella pallida)</i> |
| | Common Yellowthroat | <i>(Geothlypis trichas)</i> |
| | Eastern Phoebe | <i>(Sayornis phoebe)</i> |
| | European Starling | <i>(Sturnus vulgaris)</i> |
| | Gray Catbird | <i>(Dumetella carolinensis)</i> |
| | Indigo Bunting | <i>(Passerina cyanea)</i> |
| | Killdeer | <i>(Charadrius vociferus)</i> |
| | Mourning Dove | <i>(Zenaida macroura)</i> |
| | Rock Pigeon | <i>(Columba livia)</i> |
| | Savannah Sparrow | <i>(Passerculus sandwichensis)</i> |
| | Song Sparrow | <i>(Melospiza melodia)</i> |
| | Turkey Vulture | <i>(Cathartes aura)</i> |



Line 5 Wisconsin Segment Relocation Project

Ashland, Bayfield, Douglas, and Iron Counties Wisconsin

Water Resources Application for Project Permits

Environmental Impact Report

Revised August 2020

EIR Attachment O

Protected Species Survey Reports

Braun's Holly Fern Survey Report

Privileged and Confidential Information

ENVIRONMENTAL SURVEY REPORT

ENBRIDGE – LINE 5 WISCONSIN SEGMENT REPLACEMENT PROJECT BRAUN'S HOLLY FERN (*POLYSTICHUM BRAUNII*) SURVEY

Prepared for:

Mr. Tim Drake, Technical Director
Environmental Resources Management
80 South Eighth Street
1000 IDS Center
Minneapolis, MN 55402



JUNE 24, 2020



Mr. Tim Drake
Technical Director
Environmental Resources Management
80 South Eighth Street
1000 IDS Center
Minneapolis, MN 55402

June 24, 2020

Mr. Drake,

Midwest Natural Resources, Inc. (“MNR”) is pleased to provide the following report regarding Braun’s holly fern (*Polystichum braunii*) survey efforts for the Line 5 Wisconsin Segment Replacement Project.

Project Description

In Wisconsin, the existing Line 5 pipeline owned by Enbridge Energy, Limited Partnership (“Enbridge”) crosses Douglas, Bayfield, Ashland, and Iron Counties. Within Ashland County, the existing Line 5 pipeline crosses through approximately 12 miles of the Bad River Reservation of the Bad River Band of the Lake Superior Tribe of Chippewa Indians. The Line 5 Wisconsin Segment Replacement Project (“Project”) will replace approximately 20 miles of the existing Line 5 pipeline, including the approximate 12 miles of pipeline within the Reservation, with approximately 41.1 miles of a new, 30-inch outside diameter pipeline segment that will be located entirely outside the exterior boundaries of the Reservation (**Figure 1**).

Braun’s holly fern is a state-threatened species in Wisconsin, and Enbridge’s decision to conduct surveys was based on an initial Endangered Resources Review (“ERR”) in consultation with the Wisconsin Department of Natural Resources (“WDNR”). Survey for the Braun’s holly fern occurred in areas determined suitable through the WDNR ERR. Specifically, presence/absence surveys were conducted on suitable woodland habitat on public land within 1.0 mile from a WDNR Natural Heritage Inventory (“NHI”) element occurrence (“EO”) for this species. Surveys were conducted within the Project’s environmental survey corridor and associated Project access roads (buffered) on public lands.

Methods

Surveys were conducted in areas based on the ERR and consultation with the WDNR. These efforts occurred within the mainline survey corridor between mileposts 37.5 and 38.0 (tracts WI-IR-011.001 and WI-IR-016.001) and on the associated access road that crosses tracts WI-IR-011.001, WI-IR-012.000, and WI-IR-014.000 on public lands (**Figure 2**). Suitable habitat for this species includes rich mesic hardwood and wet forest systems associated with waterbody features or present in forested cliff systems.

The random meander survey technique (Nelson 1985¹) was implemented during survey efforts, concentrating on what was deemed suitable habitat for the Braun’s holly fern within the survey area. This effort was conducted by the undersigned and MNR Senior Botanist Otto Gockman on May 7, 2020.

1. Nelson, J.R. 1985. Rare Plant Surveys: Techniques for Impact Assessment. *Natural Areas Journal* 5:18-30.

Results and Discussion

Most of the survey area consists of mesic hardwoods with a forested wetland component. The mesic hardwoods include a mix of sugar maple (*Acer saccharum*), red maple (*Acer rubrum*), basswood (*Tilia americana*), and paper birch (*Betula papyrifera*), along with white spruce (*Picea glauca*), balsam fir (*Abies balsamea*), and white cedar (*Thuja occidentalis*). The shrub layer of this community is generally sparse with a mix of shrub-sized tree species and mid-to-low shrub species including dotted hawthorn (*Crataegus punctata*), beaked hazel (*Corylus cornuta* subsp. *cornuta*), leatherwood (*Dirca palustris*), ironwood (*Ostrya virginiana*), prickly gooseberry (*Ribes cynosbati*), Allegheny blackberry (*Rubus alleghaniensis*), red raspberry (*Rubus idaeus* var. *strigosus*), and red-berried elder (*Sambucus racemosa* var. *pubens*). The ground layer is dominated by the ephemeral yellow trout lily (*Erythronium americanum* subsp. *americanum*) with maidenhair fern (*Adiantum pedatum*), wild leek (*Allium tricoccum*), cut-leaved toothwort (*Cardamine concatenata*), two-leaved toothwort (*Cardamine diphylla*), graceful sedge (*Carex gracillima*), Peck's sedge (*Carex peckii*), long stalked sedge (*Carex pedunculata*), Carolina spring beauty (*Claytonia caroliniana*), Dutchman's breeches (*Dicentra cucullaria*), elliptic shinleaf (*Pyrola elliptica*), and bloodroot (*Sanguinaria canadensis*).

The wet forest community associated with Lawrence Creek includes a canopy of black ash (*Fraxinus nigra*) with yellow birch (*Betula alleghaniensis*), eastern hemlock (*Tsuga canadensis*), and white cedar. The shrub layer is sparse with primarily black, ash and the ground layer is also dominated by yellow trout lily. Other ground layer species include tall scouring rush (*Equisetum hyemale* subsp. *affine*), woodland horsetail (*Equisetum sylvaticum*), and fowl manna grass (*Glyceria striata*). The bank of the north end of Lawrence Creek is fairly steep with excessive erosion, whereas the southern portion is fairly flat and functions as a true floodplain.

A detailed species list collected during these efforts is provided in **Appendix A**. The species list represents this specific area on the day of the survey which was early in the growing season, and thus this area is likely more botanically rich than the list suggests. Representative photographs of the survey area are provided in **Appendix B**.

One incidental detection of the Braun's holly fern was encountered during wetland and waterbody surveys on a public land tract (WI-IR-001.000) near milepost 31.0 (**Figure 3**). A single individual was observed growing in a transition between a mesic hardwood forest and a black ash seepage swamp with considerable seepage. This individual was growing in association with sugar maple, black ash, wild leek, jack-in-the-pulpit (*Arisaema triphyllum*), lady fern (*Athyrium filix-femina*), cut-leaved toothwort, eastern rough sedge (*Carex scabrata*), blue cohosh (*Caulophyllum thalictroides*), silvery spleenwort (*Deparia acrostichoides*), tall scouring rush, zigzag goldenrod (*Solidago flexicaulis*), and basswood (*Tilia americana*). Representative photos of this individual are provided in **Appendix C**.

In closing, please let us know if you have any questions pertaining to our field findings.

Respectfully submitted,



Scott A. Milburn, M.S., PWS
Principal Botanist/President
Midwest Natural Resources, Inc.