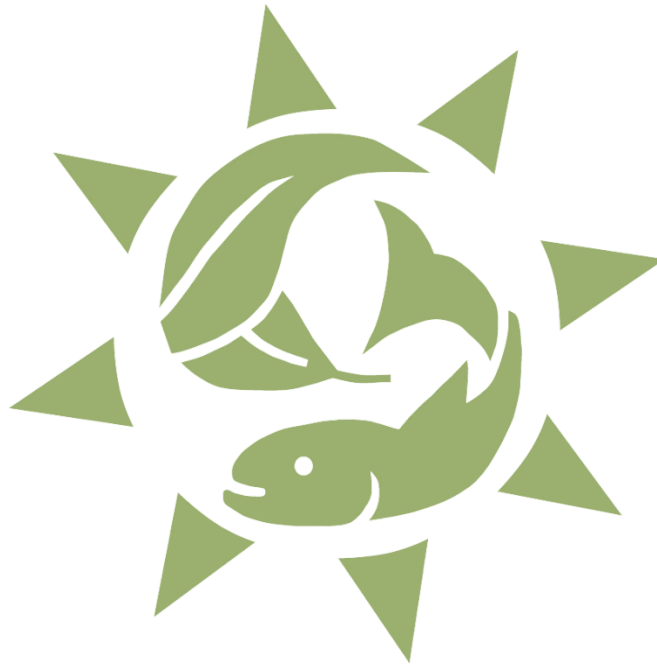


# CENTER FOR ECOLOGY & NATURAL RESOURCE SUSTAINABILITY



## **SITE 14**

### **Herrick Fen**

Streetsboro  
Portage County, OH

*Report Written By: Stephanie Deibel  
Date of Site Visit: 26 March 2013  
Date Finalized: 30 April 2013*

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## SECTION 1: NARRATIVE DESCRIPTION OF PROPERTY

### Introduction

Stephanie Deibel, conservation undergraduate student and Becca Stanoszek, zoology undergraduate student, visited Herrick Fen to establish a baseline documentation report of the property. During the visit, we walked the entire property border and took photos at the property corners and at other significant locations.

### Surrounding Land Use

Herrick Fen is approximately 70 acres and is dominated by wetland habitat. The property is mostly surrounded by woodland and marsh habitat owned by the Nature Conservancy. An area, near the eastern and southern boundary line seems to be owned privately and is used for atv and dirt bike riding.

### Land Cover and Habitats

#### *Mixed Hardwood Forest*

The fen wetland is bordered almost entirely by woodland habitat. Hardwood forest makes up the majority of the vegetation type with tree species including Red Oak, Black Oak, White Oak, American Beech, various Maples, and Black Cherry. Some WHITE PINE is growing near the southern boundary line.

#### *Wetland*

A fen wetland covers roughly half of the property. Some of this wetland is dominated by cattail growth. At time of visit, the middle portion of the wetland was dry enough to walk through, however, the cattail areas were holding quite a bit of water.

#### *Creek*

A creek runs through the middle of the property. There is a small weir/dam location at the northeastern portion of the property. The water flows out from this location into the wetland. The creek does branch off into smaller branches, which begins at almost the dead center of the property.

### Land Cover Summary

<b>Land Cover Type</b>	<b>Description</b>
Mixed Hardwood Forest	30 acres
Wetland	34 acres
Creek	595 meters

Note: The above descriptions are estimated values calculated from an aerial map of the area. The values are in no way exact measures of these land cover types.

### Summary of Conservation Values

The Herrick Fen property has significant educational, research, and natural conservation values. Since roughly half of the site is forested, this site can be used for timber management education and forest ecology understanding. The rest of the site is wetland habitat and can be used to understand the seasonal hydrology of a wetland and the seasonal succession of vegetation.

### Possible Endangered Species

<b>Common Name</b>
Eastern massasauga
Mitchell's satyr butterfly
Black tern
Northern harrier
American emerald
River jewelwing
Seepage dancer

*NOTE: See Endangered Species Report for more information.*

### Site History

4 Parcels:

35-083-00-00-013-000  
35-083-00-00-011-000  
35-083-00-00-012-000  
35-093-00-00-012-000

Transaction:

35-083-00-00-013-000

<b>Sale Date</b>	<b>Seller</b>	<b>Buyer</b>	<b>Sale Price</b>
1/1/1990	Unknown	Kent State University	\$0.00

35-083-00-00-011-000

<b>Sale Date</b>	<b>Seller</b>	<b>Buyer</b>	<b>Sale Price</b>
1/1/1990	Unknown	Kent State University	\$0.00

35-083-00-00-012-000

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35-093-00-00-012-000

<b>Sale Date</b>	<b>Seller</b>	<b>Buyer</b>	<b>Sale Price</b>
1/1/1990	Unknown	Kent State University	\$0.00

## SECTION 2: SOILS INFORMATION

MAP UNIT	SOIL SERIES	SOIL TEXTURE	DRAINAGE CLASS	EROSION RATING	SLOPE
<b>Cg</b>	<i>Carlisle</i>	<i>Muck</i>	<i>Very Poorly</i>	<i>Slight</i>	<i>0-2%</i>
<b>CtD</b>	<i>Chili-Oshtemo</i>	<i>Complex</i>	<i>Well Drained</i>	<i>Slight</i>	<i>12-18%</i>
<b>EIB</b>	<i>Ellsworth</i>	<i>Silt Loam</i>	<i>Moderately Well</i>	<i>Slight</i>	<i>2-6%</i>
<b>EIB2</b>	<i>Ellsworth</i>	<i>Silt Loam</i>	<i>Moderately Well</i>	<i>Moderate</i>	<i>2-6%</i>
<b>EIC2</b>	<i>Ellsworth</i>	<i>Silt Loam</i>	<i>Moderately Well</i>	<i>Moderate</i>	<i>6-12%</i>
<b>EID2</b>	<i>Ellsworth</i>	<i>Silt Loam</i>	<i>Moderately Well</i>	<i>Moderate</i>	<i>12-18%</i>
<b>EIE2</b>	<i>Ellsworth</i>	<i>Silt Loam</i>	<i>Moderately Well</i>	<i>Moderate</i>	<i>18-40%</i>
<b>Ln</b>	<i>Lorain</i>	<i>Silty Clay Loam</i>	<i>Poorly Drained</i>	<i>Slight</i>	<i>0-2%</i>
<b>MgB</b>	<i>Mahoning</i>	<i>Silt Loam</i>	<i>Somewhat poorly</i>	<i>Slight</i>	<i>2-6%</i>
<b>W</b>	<i>Water</i>				

This information was gathered from the Web Soil Survey, provided by the USDA NRCS and the Soil Survey of Portage County, provided by the USDA SCS in cooperation with NRCS.

### **SECTION 3: SOILS MAP**

## SECTION 4: PROPERTY INVENTORY

### 4.1 Structures, Improvements, and/or Noted Features

- Boardwalk – Photo Point S14-01 – starts at this location. Tire marks can be seen in the fen habitat. It is unknown whether the Nature Conservancy made these marks.
- Corner – Photo Point S14-02 – is not clearly marked. This point is located on top of a hill and is surrounded by forest. The boardwalk is visible and marks the transition between the forest area and the fen.
- Tree – Photo Point S14-03 – has been cut at this location. Could be possible living brush pile.
- Heavy Cattail Growth – Photo Point S14-04 – has vehicle tire marks present at time of visit.
- Corner – Photo Point S14-05 – is located at the end of the boardwalk.
- Foot Path – Photo Point S14-06 – splits at this point. From this location, you have a good visual overview of the fen.
- Corner – Photo Point S14-07 – can be depicted by the shrub growth before the forested area.
- Corner – Photo Point S14-08 – is clearly marked by a green and white metal stake, which seems to have been placed there by the Nature Conservancy.
- Corner – Photo Point S14-09 – is marked by a green and white stake. A path, not on KSU property, is adjacent to the boundary, which is being use by ATV and dirt bikes.
- Corner – Photo Point S14-10 – is marked by a green and white stake. A good example of edge effect (open to shrub to forest) can be seen here. A Nature Conservancy sign has been placed on a tree and has been shot at with a pistol.
- Forested Area – Photo Point S14-11 – is natural and uneven aged. The age range is Early/Mid-Successional with DBH ranging 6”-16”. This hardwood forest is dominated by Maples. The understory is open with diverse sapling growth.
- Corner – Photo Point S14-12 – is clearly marked with a green and white stake as well as a Nature Conservancy sign.
- Pond – Photo Point S14-13 – is small, less than 0.5acre in size. Microtopography is present. Mature forest and wetland surrounds the area. Heavy leaf debris is present in the pooling area.
- Corner – Photo Point S14-14 – is clearly marked with a green and white stake. A lake, Gressard Lake, is adjacent to the boundary and is shown at photo point S14-15. The area is woodland with some heavy shrub growth..
- Forested Area – Photo Point S14-16 – is natural and uneven aged. The age range is Early/Mid-Successional with DBH ranging 6”-16”. This mix forest is dominated by white pine. The understory is dense with diverse shrub growth. Some areas are open with sapling growth.
- Corner – Photo Point S14-17 – is clearly marked by a green and white stake. The surrounding area is shrub growth and wetland habitat.
- Heavy Shrub Growth – Photo Point S14-18 – is dominate in a moist soil area. Reed canary grass may be present. North of this area is forest habitat.
- Stream – Photo Point S14-19 – is perennial and natural with sinuous banks. The dominate substrate is cobble, gravel, and sand with banks are eroded. The riparian area is wide with

forest growth on both river right and left. An extra photo, photo point S14-20, was taken to document the bubbling water with heavy iron deposits.

- Corner – Photo Point S14-21 – is not clearly marked. Open field habitat is to the north and shrub habitat is south of this point. A stream is located in the south direction.
- Corner – Photo Point S14-22 – can be found by a switch in habitat type. The area owned by Kent is open field, which is adjacent to shrub growth
- Algae – Photo Point S14-23 – bright green in color has a bubbly texture.
- Shotgun Shell – Photo Point S14-24 – was found at this location at time of visit.

#### 4.2 Access Roads and Trails/Parking

- The site was accessed by a walking trail that starts at a parking lot off of a small road that branches off of Seasons Rd.

#### 4.3 Dumps, Disturbances, or Environmental Hazards

- No signs of the above were seen while inventorying the site.

#### 4.4 Encroachments/Trespassing

- Having found a shotgun shell on KSU property, there may be some trespassing of hunters.
- Tire marks can be seen throughout the fen, which may have been created by someone who is not allowed on the property. Further investigation needs to be done to determine if the Nature Conservancy created these marks.



## **SECTION 5: LIST OF PHOTO POINTS**

- S14-01:** *Boardwalk*
- S14-02:** *Corner*
- S14-03:** *Tree*
- S14-04:** *Heavy Cattail Growth*
- S14-05:** *Corner*
- S14-06:** *Foot Path*
- S14-07:** *Corner*
- S14-08:** *Corner*
- S14-09:** *Corner*
- S14-10:** *Corner*
- S14-11:** *Forested Area*
- S14-12:** *Corner*
- S14-13:** *Pond*
- S14-14:** *Corner*
- S14-15:** *Corner - Lake*
- S14-16:** *Forested Area*
- S14-17:** *Corner*
- S14-18:** *Heavy Shrub Growth*
- S14-19:** *Stream*
- S14-20:** *Stream – iron deposit*
- S14-21:** *Corner*
- S14-22:** *Corner*
- S14-23:** *Algae*
- S14-24:** *Shotgun Shell*

## **SECTION 6: MAP OF PHOTO POINTS**

## SECTION 7: PHOTO POINT COORDINATES

Coordinate System: UTM UPS, NAD83, (meters)

Point Number	Latitude (°N)	Longitude (°W)	Elevation (ft)

GPS Points taken on July 16, 2012; using a Garmin eTrex Legend HCx GPS

Note: The longitude and latitude values were determined by a GPS unit. It should be noted that there is a small amount of error inherent with GPS readings.

## **SECTION 8: PHOTO POINT PHOTOS**

**S14-01:** *Boardwalk*



**S14-02:** *Corner*





**S14-03:** *Tree*



**S14-04:** *Heavy Cattail Growth*





**S14-05:** *Corner*



**S14-06:** *Foot Path*

**S14-07:** *Corner*

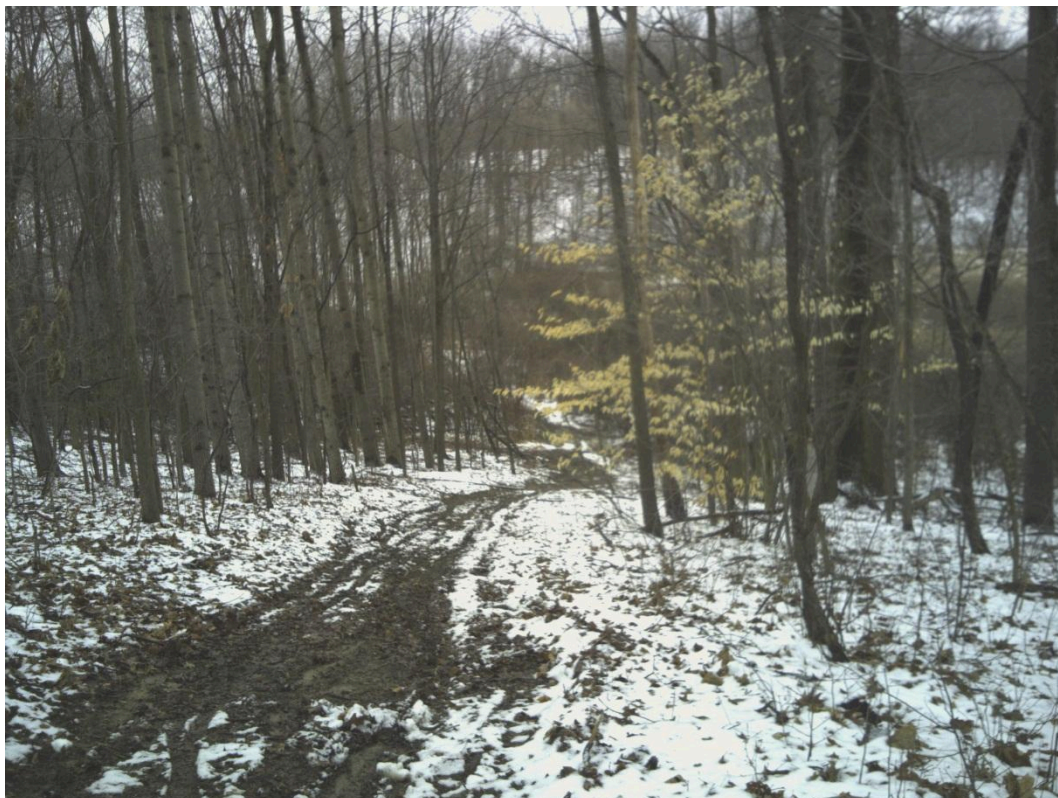


**S14-08:** *Corner*





**S14-09:** *Corner*





**S14-10:** *Corner*



**S14-11:** *Forested Area*





**S14-12:** *Corner*



**S14-13:** *Pond*



**S14-14:** *Corner*





**S14-15:** *Corner – Lake*



**S14-16:** *Forested Area*





**S14-17:** *Corner*



**S14-18:** *Heavy Shrub Growth*





**S14-19:** *Stream*



**S14-20:** *Stream – iron deposit*





**S14-21:** *Corner*



**S14-22:** *Corner*



**S14-23:** *Algae*





**S14-24:** *Shotgun Shell*





# APPENDICES

## **APPENDIX A: MAPS**