CENTER FOR ECOLOGY & NATURAL RESOURCE SUSTAINABILITY



SITE 4

Ravenna Housing

Franklin Township
Portage County, OH

Report Written By: Stephanie Deibel
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TABLE OF CONTENTS

SECTION 1: NARRATIVE DESCRIPTION OF PROPERTY ……..…….... 3-4

SECTION 2: SOILS INFORMATION ……..……. 5

SECTION 3: SOILS MAP …….…. 6

SECTION 4: PROPERTY INVENTORY …….…..… 7-8

SECTION 5: LIST OF PHOTO POINTS …….....……. 9

SECTION 6: MAP OF PHOTO POINTS ……..... 10

SECTION 7: PHOTO POINT COORDINATES …….….. 11

SECTION 8: PHOTO POINT PHOTOS ……... 12-19

APPENDICES

Appendix A: Maps

Aerial View

Topography

SECTION 1: NARRATIVE DESCRIPTION OF PROPERTY

Introduction

Stephanie Deibel, conservation undergraduate student, and Jonathan Kirk, geography graduate student, visited the Ravenna Housing property to establish a baseline documentation report of the property. During the visit, we walked the entire property and took photos at the property corners and at other significant locations.

Surrounding Land Use

The Ravenna Housing property is approximately 108 acres and is located south of Summit Rd in Franklin Township in Portage County, OH. The property is within the Cuyahoga watershed. The property is bordered by residential land use on western property line. Campus Center Dr. runs through the property. Site 6 borders the eastern property line.

Land Cover and Habitats

Mixed Hardwood Forest

Approximately 19 acres of mixed hardwood forests can be found throughout the site. Common hardwood species can be found in this area including Red Oak, White Oak, Black Cherry, Black Oak, and maples. The forested areas have a variety of young trees ranging from Early-Successional to Mid-Successional, none of which have evidence of past logging.

Pond

A pond is located southeast of the REC Center. A stream that runs near the northeast of the property empties here. Cattail growth is dominant along the edges of the pond. The depth appears shallow which could be the result of little rainfall this summer. Heavy aquatic plant growth lines the bottom of the pond. Frogs and turtles were observed.

Wetland

A man made wetland, built in 2001, is located near the middle of the eastern property line. This area consists of 10 wetland basins and 2 stream pool areas. More information can be found at http://www.kent.edu/biology/resources/aerf.cfm

Urban Development

Numerous buildings including, the REC Center, Allerton Apartments, KSU Power Plant, and Sport Complex Field Houses, and parking lots make up approximately 22 acres of the site. The Allerton Apartments are currently being demolished.

Creek

Three creeks have been found on the Ravenna Housing property. A small creek, roughly 283.3 meters, runs along the gravel walking trail and continues into the forested area near the photo point S4-16. A part of this creek, approximately 133 meters, extends off of the above creek and runs west, bordering the boundary between the open and forested area. Photo point S4-27 and S4-28 represent a piece of a larger creek, part of the Ensigner property, that runs through the Ravenna property between those points.

Land Cover Summary

Land Cover Type	**Description**
Mixed Hardwood Forest	19 acres
Pond	0.7 acres
Wetland	2.3 acres
Urban Development	22 acres
Creek	416.3 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

Ravenna Housing has significant educational, research, and natural conservation values. The diverse habitats for aquatic life and wildlife includes various successional stages of hardwood forest, an open water pond, manmade wetland, and some small, open field habitats mixed with the forested areas. These habitats offer food and shelter for fish, birds, and various sized mammals.

Site History

1 Parcel:

17-023-00-00-001-000

Transaction:

Sale Date	**Seller**	**Buyer**	**Sale Price**
1/1/1990	Unknown	State of Ohio	$0.00

SECTION 2: SOILS INFORMATION

MAP UNIT	SOIL SERIES	SOIL TEXTURE	DRAINAGE CLASS	EROSION RATING	SLOPE
CdC2	*Canfield*	*Silt Loam*	*Moderately Well*	*Moderately*	*6-12%*
Cg	*Carlisle*	*Muck*	*Very Poor*	*Slight*	*0-2%*
CnB	*Chili*	*Loam*	*Well Drained*	*Slight*	*2-6%*
CoC2	*Chili*	*Gravelly Loam*	*Well Drained*	*Moderate*	*6-12%*
CtD	*Chili-Oshtemo*	*Complex*	*Well Drained*	*Slight*	*12-18%*
JtA	*Jimtown*	*Loam*	*Somewhat Poorly*	*Slight*	*0-2%*
Od	*Olmsted*	*Loam*	*Very Poor*	*Slight*	*0-2%*
Ua	*Udorthents*				
WuB	*Wooster*	*Silt Loam*	*Well Drained*	*Slight*	*2-6%*

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

- An electric meter and box – Photo Point S4-01
- Sewer and Water Pipes – Photo Point S4-02 – a concrete drainpipe with a rocked waterway is located near the sewer and water pipes.
- Power Plant – Photo Point S4-03
- Stream – Photo Point S4-04 – is located near the northeast corner of the property. A pooled area has developed in front of a drainpipe outlet. The water in this area is clear and the bottom is visible, boulder substrate. Riparian growth is heavy with shrubs and trees, shading the water. Feeds the pond located southeast of REC Center.
- Drainpipe –Photo Point S4-05 – outlets into the pond.
- Pond - Photo Point S4-06
- REC Center – Photo Point S4-07
- Drainpipe – Photo Point S4-08 – cattail growth present with large substrate bottom.
- Allerton Apartments – Photo Point S4-09 through S4-14
- Trailhead – Photo Point S4-15 – marks the beginning of a gravel trail just off of the baseball field road. Poison ivy is present on the right of the trial in the forested area. A small creek runs adjacent with the path. The creek has a silt bottom with few small boulder and large cobble size substrate. The water was low and appeared to have no flow at time of visit. The banks are bare soil with tree and shrub growth.
- Wooden Bridge – Photo Point S4-16 – is positioned over a small creek. Woody debris can be found in the water. The creek has a sand substrate bottom and tree with some shrub growth make up the riparian zone.
- A Drainpipe – Photo Point S4-17 – source of water for the creek mentioned above. If looking at pipe and creek, to the left trees have been cut.
- A Wooden Bridge – Photo Point S4-18 – sits over a small grassed ditched which connects to a creek located in the wooded area just North. Little water was present at time of visit.
- A Wooden Bridge – Photo Point S4-20 – sits over a small creek. A drainpipe towards the west property line is missing its drain cover. Gravel and sand substrate dominate with few boulders. Riffles and what seems to be natural sinuosity are visible along with eroded banks and root-wads.
- A Low Laying Area – Photo Point S4-21 – is a monoculture of a large, leaved plant. Seems this area is seasonally flooded, very moist and dark soil visible.
- Broken Drain Pipes – Photo Point S4-22, S4-23 – could be the water source that fills the low laying area mentioned above and possibly a dried creek – Photo Point 24.
- A Drainpipe – Photo Point S4-25 – is located off of Campus Center Dr. and feeds the wetland area to the NE. The area is muddy and both damselflies and dragonflies were seen during visit.
- A Small Wetland – Photo Point S4-26 – is located near a wooded area. Cattail growth present with some shrub and few large trees.
- A Creek – Photo Point S4-27 – is part of a creek found on the Ensigner Site. The bottom is sand with some gravel throughout. The riparian area has lots of vegetation growth.
- A Drainpipe – Photo Point S4-28 – feeds the small creek mentioned above. Damselflies were observed at time of visit.

4.2 Access Roads and Trails/Parking

- A gravel path starts at the Sports Complex and cuts through the forested area, leading to the wooden bridge, photo point S4-16.
- and management buildings and roads near the southern edge of the property.

4.3 Dumps, Disturbances, or Environmental Hazards

- None were seen or visible while inventorying the site.

4.4 Encroachments/Trespassing

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

SECTION 5: LIST OF PHOTO POINTS

S4-01: *Electric Meter*
S4-02: *Sewer and Water pipes*
S4-03: *Power Plant*
S4-04: *Corner*
S4-05: *Drainpipe*
S4-06: *Pond*
S4-07: *REC Center*
S4-08: *Drainpipe*
S4-09: *Allerton Apartments L/M*
S4-10: *Allerton Apartments J/K*
S4-11: *Allerton Apartments C/D*
S4-12: *Allerton Apartments E/F*
S4-13: *Allerton Apartments gone*
S4-14: *Allerton Apartments A/B*
S4-15: *Trailhead*
S4-16: *Wooden Bridge*
S4-17: *Drainpipe*
S4-18: *Wooden Bridge*
S4-19: *Corner*
S4-20: *Bridge and Drainpipe*
S4-21: *Low Laying Area*
S4-22: *Broken Drainpipe*
S4-23: *Broken Drainpipe*
S4-24: *Dried Creek*
S4-25: *Drainpipe with Pooling Area*
S4-26: Wetland
S4-27: *A Creek*
S4-28: *Drainpipe*

SECTION 6: MAP OF PHOTO POINTS



SECTION 7: PHOTO POINT COORDINATES
Coordinate System: UTM UPS, NAD83, (meters)
GPS Points taken on June 19 & July 10, 2012; using a Garmin eTrex Legend HCx GPS

Point Number	Latitude (°N)	Longitude (°W)	Elevation (ft)
S4-01	41 08.553	81 20.512	1148
S4-02	41 08.622	81 20.472	1124
S4-03	41 08.589	81 20.426	1118
S4-04	41 08.542	81 20.339	1112
S4-05	41 08.476	81 20.359	1126
S4-06	41 08.460	81 20.379	1133
S4-07	41 08.471	81 20.395	1149
S4-08	41 08.404	81 20.395	1121
S4-09	41 08.344	81 20.550	1112
S4-10	41 08.357	81 20.583	1110
S4-11	41 08.385	81 20.590	1124
S4-12	41 08.370	81 20.660	1133
S4-13	41 08.387	81 20.727	1142
S4-14	41 08.410	81 20.719	1142
S4-15	41 08.228	81 20.594	1093
S4-16	41 08.150	81 20.631	1086
S4-17	41 08.165	81 20.726	1122
S4-18	41 08.150	81 20.774	1107
S4-19	41 08.131	81 20.771	1103
S4-20	41 08.163	81 20.777	1105
S4-21	41 08.283	81 20.686	1133
S4-22	41 08.295	81 20.678	1124
S4-23	41 08.299	81 20.656	1120
S4-24	41 08.284	81 20.618	1131
S4-25	41 08.263	81 20.587	1094
S4-26	41 08.299	81 20.523	1075
S4-27	41 08.213	81 20.352	1144
S4-28	41 08.227	81 20.391	1074

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

S4-01: *Electric Meter*



S4-02: *Sewer and Water pipes*





S4-03: *Power Plant*



S4-04: *Corner*



S4-05: *Drainpipe*



S4-06: *Pond*



S4-07: *REC Center*
S4-08: *Drainpipe*
S4-09: *Allerton Apartments L/M*
S4-10: *Allerton Apartments J/K*
S4-11: *Allerton Apartments C/D*
S4-12: *Allerton Apartments E/F*
S4-13: *Allerton Apartments gone*
S4-14: *Allerton Apartments A/B*
S4-15: *Trailhead*



S4-16: *Wooden Bridge*
S4-17: *Drainpipe*
S4-18: *Wooden Bridge*
S4-19: *Corner*

S4-20: *Bridge and Drainpipe*



S4-21: *Low Laying Area*



S4-22: *Broken Drainpipe*



S4-23: *Broken Drainpipe*



S4-24: *Dried Creek*



S4-25: *Drainpipe with Pooling Area*



S4-26: Wetland

S4-27: *A Creek*



S4-28: *Drainpipe*



APPENDICES

APPENDIX A: MAPS





0 250 500 Meters

Kent State University
Center for Ecology & Natural Resource Sustainability
Image: 2/2012 (Bing)
Topography: Portage County Auditor (2ft)

Topography Map