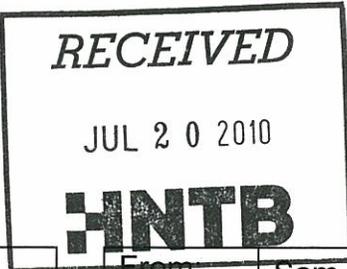




**Illinois Department of Transportation**

201 West Center Court  
Schaumburg, IL 60196-1096



**Informal Transmittal**

Bureau:	Programming
To:	Marty Morse
	Ken Doll

From:	Sam Mead/Vanessa Ruiz
Bureau:	Programming
	Environmental Studies Unit
Subject:	IL131, Sunset to Russel
	Wetland delineation, addition to original

Date:	07/16/2010
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**Please check appropriate box below:**

- |   |  |                                 |
|---|--|---------------------------------|
| <input checked="" type="checkbox"/> Take Necessary Action | <input type="checkbox"/> For Your Information                  | <input type="checkbox"/> Reply  |
| <input type="checkbox"/> For Your Comments                | <input type="checkbox"/> See Me About the Attached             | <input type="checkbox"/> Return |
| <input type="checkbox"/> Per Your Request                 | <input type="checkbox"/> Draft (Letter)(Memo) For My signature | <input type="checkbox"/> Route  |
| <input type="checkbox"/> For Your Approval                |  | <input type="checkbox"/> File   |

**Message**

IL 131, Sunset to Russel  
P-91-352-07  
Seq. # 14766  
Lake County

**Transmittal of Wetland Delineation Boundaries for Processing and Assessment of Wetland Impacts:**

Enclosed is a copy of the Wetland Report for the above-mentioned project, including copies of air photos showing the locations of the wetlands. The disc is included.

Please transmit this CADD wetland data to the consultant to be incorporated into CADD per IDOT standards. As hard copy, request the consultant make a plot of the project with the wetlands and the proposed right-of-way and any wetland impacts in a thorough manner - including temporary easements, culvert replacements, etc, etc.

Request a calculation of the area of each wetland within the right-of-way, the area of impacts, and a calculation of the total area of each wetland. Some of the wetlands may extend beyond the survey area. In that case, calculate only the wetland area shown in the study area and note that the area is an estimate. The Environmental Studies Unit will need 2 copies of the CADD plot showing the boundary location of the wetlands as well as the areas of wetland impacts depicted as a cross-hatched pattern.

Based on the entire scope of work for the entire project, including all aspects of the proposed work, such as, temporary easements, drainage, utilities and traffic signals, etc, etc, estimate the area of wetland impacts. Prepare a Wetland Impact Evaluation (WIE) form for each wetland within the project area. The content of the WIE forms should accompany the CADD plot exhibit. Include a WIE form for each wetland. If no impacts to a wetland are expected, document no impact on the WIE form for that particular wetland.

Upon completion, provide the WIE forms and exhibits to the District One, Environmental Studies Unit, for further processing.

The WIE form can be found under District Forms, BDE 2328

**Response**

Copy to:	ESU Files		
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*Vanessa Ruiz*  
Signature

\_\_\_\_\_  
Signature

## TRANSMITTAL FORM

To: Bureau of Design and Environment  
Attn: Susan Dees  
From: Illinois Natural History Survey  
Re: Wetland Survey

### Route and Location

Route: FAP 880/FAP 2711 (IL 131), Addition  
At: Sunset Ave. to Russel Rd.  
County: Lake  
Applicant: IDOT District 1  
Seq No: 14766

**Survey Conducted By:** Mary Ann Feist, Ian Draheim, Jason Zylka, and Brad Zercher (maps)  
Division of Ecology and Conservation Science  
Section for Wildlife and Plant Ecology  
Illinois Natural History Survey  
1816 South Oak St.  
Champaign, Illinois 61820  
(217) 244-6858 (Feist)

**Date Conducted:** 1 June 2010

### Project Summary:

This report is an addition to the following report submitted to IDOT on 19 October 2009: Feist, M.A., and J. Kurylo, P. Marcum, J. Zylka, V. Sivicek, and B. Zercher. 2009. Wetland Survey Report for FAP 880/FAP 2711 (IL 131) from Sunset Ave. to Russel Rd., Lake County, Illinois. On 1 June 2010 a portion of the original FAP 880/FAP 2711 (IL 131) project area between IL 131 and Kenosha Road was revisited to survey for potential wetlands. One site was found and determined to be a wetland. This site should be added to the report cited above as Site 57. Results of this determination are summarized in the site summary below and are described in more detail on the accompanying form. A printout of the DOQ showing the locations of the determination site is included with this report. GIS data have been uploaded to the IDOT extranet.

Signed:   
Dr. Allen E. Plocher  
INHS/IDOT Project Coordinator

Date: 7/1/2010

**Addition to Wetland Survey Report for FAP 880/FAP 2711 (IL 131) from Sunset Ave. to Russel Rd., Lake County, Illinois**

**Site Summary**

Site 57: This wet meadow/marsh occurs in two locations between IL 131 and Kenosha Rd. The larger part is approximately 360 m (1181 ft) north of 29<sup>th</sup> St. while the smaller part is approximately 250 m (820 ft) north of 29<sup>th</sup> St. Dominant hydrophytic vegetation, hydric soils and wetland hydrology are present; therefore, this site is a wetland. The NWI did not identify this site as wetland. This wetland occupies a total area of 0.290 ha (0.717 ac). The mean C value ( $\bar{c}$ ) for this site is 2.7 and the FQI is 14.4, which indicates that this site is of fair natural quality. This wetland is isolated.

## ROUTINE ON-SITE WETLAND DETERMINATION

Site 57 (page 1 of 3)

**Field Investigators:** Feist, Draheim, and Zylka, **Dates:** 1 June 2010

**Sequence No.:** 14766      **Project Name:** FAP 880/FAP 2711 (IL 131)

**State:** Illinois      **County:** Lake      **Applicant:** IDOT District 1

**Site Name:** Wet meadow/marsh

**Legal Description:** T. 46 N., R. 12 E., Sect. 19, SW/4

**Location:** This site is located in two parts between IL 131 and Kenosha Rd. The larger part is approximately 360 m (1181 ft) north of 29<sup>th</sup> St., while the smaller part is approximately 250 m (820 ft) north of 29<sup>th</sup> St.

Are climatic/hydrologic conditions typical for time of year?      Yes: X    No:  
Do normal environmental conditions exist at this site?      Yes: X    No:  
Has the vegetation, soil, or hydrology been significantly disturbed?    Yes:      No: X

### VEGETATION

Dominant Plant Species	Indicator Status	Stratum
1. <i>Phalaris arundinacea</i>	FACW+	herb
2. <i>Scirpus fluviatilis</i>	OBL	herb

Percentage of dominant species that are OBL, FACW, or FAC: 100%

**Hydrophytic vegetation:** Yes: X    No:

**Rationale:** More than 50% of the dominants are OBL, FACW, or FAC.

### SOILS

Series and phase: NRCS mapped as Ashkum silty clay loam, revised to Peotone silty clay loam.

On Lake County hydric soils list?    Yes: X      No:  
Is the soil a histosol?                Yes:        No: X  
Histic epipedon present?            Yes:        No: X  
Redox concentrations:                Yes: X      No:    Color: 10YR 5/4 & 10YR 4/6  
Redox depletions:                    Yes:        No: X

Matrix color: N 2.5/0 over N 6/0

Other indicators: This site is located in a depression.

**Hydric soils:** Yes: X    No:

**Rationale:** The NRCS classifies Peotone silty clay loam as a Cumulic Vertic Endoaquoll that is very poorly drained. This soil contains redoximorphic concentrations within a gleyed matrix, which indicates saturated or reduced conditions for an extended duration during the growing season. Therefore, the soil at this site meets the hydric soil criterion. This soil meets NRCS hydric soil indicator A12 – Thick Dark Surface.

## ROUTINE ON-SITE WETLAND DETERMINATION

Site 57 (page 2 of 3)

**Field Investigators:** Feist, Draheim, and Zylka, **Dates:** 1 June 2010

**Sequence No.:** 14766      **Project Name:** FAP 880/FAP 2711 (IL 131)

**State:** Illinois      **County:** Lake      **Applicant:** IDOT District 1

**Site Name:** Wet meadow/marsh

**Legal Description:** T. 46 N., R. 12 E., Sect. 19, SW/4

**Location:** This site is located in two parts between IL 131 and Kenosha Rd. The larger part is approximately 360 m (1181 ft) north of 29<sup>th</sup> St., while the smaller part is approximately 250 m (820 ft) north of 29<sup>th</sup> St.

### HYDROLOGY

Landform: Depression

Local Relief: Concave

Inundated: Yes (in parts)

Depth of standing water: up to 0.25 m (10 in)

Depth to saturated soil: varies from inundated to 0.41 m (16 in)

Overview of hydrological flow through the system: Primary hydrologic inputs to this site are precipitation and runoff from the surrounding uplands. Evapotranspiration is the major output.

Size of watershed: < 10 km<sup>2</sup> (3.9 mi<sup>2</sup>)

Primary indicators: Surface Water, Saturation

Secondary indicators: Geomorphic Position (depression)

**Wetland hydrology:** Yes: X      No:

**Rationale:** Field evidence cited above indicates that this site is inundated or saturated for a sufficient duration to satisfy the wetland hydrology criterion.

### WETLAND DETERMINATION AND RATIONALE:

**Is the site a wetland?:** Yes: X      No:

**Rationale:** Dominant hydrophytic vegetation, hydric soils, and wetland hydrology are present at this site; therefore, this site is a wetland. The NWI did not identify this site as wetland.

### ISOLATED STATUS

**Is the wetland isolated?** Yes: X      No:

**Rationale:** There is no surface connection to waters of the U. S.

Determined by: Mary Ann Feist and (vegetation, hydrology)  
 Jason Zylka (vegetation, hydrology, and GPS)  
 Ian Draheim (soils and hydrology)  
 Illinois Natural History Survey  
 1816 S. Oak St.  
 Champaign, Illinois 61820  
 (217) 244-6858 (Feist)

## ROUTINE ONSITE WETLAND DETERMINATION

Site 57 (page 3 of 3)

**Field Investigators:** Feist, Draheim, and Zylka, **Dates:** 1 June 2010

**Sequence No.:** 14766      **Project Name:** FAP 880/FAP 2711 (IL 131)

**State:** Illinois      **County:** Lake      **Applicant:** IDOT District 1

**Site Name:** Wet meadow/marsh

**Legal Description:** T. 46 N., R. 12 E., Sect. 19, SW/4

**Location:** This site is located in two parts between IL 131 and Kenosha Rd. The larger part is approximately 360 m (1181 ft) north of 29<sup>th</sup> St., while the smaller part is approximately 250 m (820 ft) north of 29<sup>th</sup> St.

### SPECIES LIST

Scientific name	Common name	Stratum	Wetland indicator status	C <sup>ψ</sup>
<i>Acer saccharinum</i>	silver maple	tree, shrub	FACW	1
<i>Alisma plantago-aquatica</i>	broad-leaf water-plantain	herb	OBL	2
<i>Barbarea vulgaris</i>	winter cress	herb	FAC	*
<i>Calystegia sepium</i>	American bindweed	herb	FAC	1
<i>Carex lanuginosa</i>	wooly sedge	herb	OBL	4
<i>Carex normalis</i>	normal sedge	herb	FACW	4
<i>Carex stipata</i>	prickly sedge	herb	OBL	2
<i>Carex vulpinoidea</i>	fox sedge	herb	OBL	3
<i>Cornus obliqua</i>	pale dogwood	shrub	FACW+	4
<i>Cornus racemosa</i>	gray dogwood	shrub	FACW-	2
<i>Dipsacus sylvestris</i>	common teasel	herb	UPL	*
<i>Erigeron annuus</i>	annual fleabane	herb	FAC-	1
<i>Euthamia graminifolia</i>	grassleaf goldenrod	herb	FACW-	3
<i>Fraxinus pennsylvanica</i>	green ash	tree, shrub, herb	FACW	2
<i>Geum laciniatum</i>	rough avens	herb	FACW	2
<i>Glechoma hederacea</i>	ground ivy	herb	FACU	*
<i>Glyceria striata</i>	fowl manna grass	herb	OBL	4
<i>Helianthus grosseserratus</i>	sawtooth sunflower	herb	FACW-	2
<i>Juncus dudleyi</i>	Dudley's rush	herb	FAC	4
<i>Lonicera tatarica</i>	Tatarian honeysuckle	shrub	FACU	*
<i>Lycopus americanus</i>	common water horehound	herb	OBL	3
<i>Lythrum salicaria</i>	purple loosestrife	herb	OBL	*
<i>Monarda fistulosa</i>	wild bergamot	herb	FACU	4
<i>Parthenocissus quinquefolia</i>	Virginia creeper	woody vine	FAC-	2
<i>Phalaris arundinacea</i>	reed canary grass	herb	FACW+	*
<i>Poa pratensis</i>	Kentucky bluegrass	herb	FAC-	*
<i>Polygonum amphibium</i>	water smartweed	herb	OBL	3
<i>Populus deltoides</i>	eastern cottonwood	tree, herb	FAC+	2
<i>Potamogeton nodosus</i>	American pondweed	herb	OBL	7
<i>Rhamnus cathartica</i>	common buckthorn	shrub	FACU	*
<i>Rhus glabra</i>	smooth sumac	shrub	UPL	1
<i>Rosa multiflora</i>	multiflora rose	shrub	FACU	*

Continued on next page

## ROUTINE ONSITE WETLAND DETERMINATION

Site 57 (page 4 of 4)

**Field Investigators:** Feist, Draheim, and Zylka, **Dates:** 1 June 2010

**Sequence No.:** 14766      **Project Name:** FAP 880/FAP 2711 (IL 131)

**State:** Illinois      **County:** Lake      **Applicant:** IDOT District 1

**Site Name:** Wet meadow/marsh

**Legal Description:** T. 46 N., R. 12 E., Sect. 19, SW/4

**Location:** This site is located in two parts between IL 131 and Kenosha Rd. The larger part is approximately 360 m (1181 ft) north of 29<sup>th</sup> St., while the smaller part is approximately 250 m (820 ft) north of 29<sup>th</sup> St.

### SPECIES LIST *continued*

Scientific name	Common name	Stratum	Wetland indicator status	C <sup>Ψ</sup>
<i>Rumex crispus</i>	curly dock	herb	FAC+	*
<i>Scirpus atrovirens</i>	dark green bulrush	herb	OBL	4
<i>Scirpus fluviatilis</i>	river bulrush	herb	OBL	3
<i>Solanum dulcamara</i>	false bittersweet	herb	FAC	*
<i>Solidago canadensis</i>	Canada goldenrod	herb	FACU	1
<i>Solidago gigantea</i>	late goldenrod	herb	FACW	3
<i>Typha angustifolia</i>	narrow-leaved cattail	herb	OBL	*
<i>Viburnum opulus</i>	European high-bush cranberry	shrub	UPL	*
<i>Vitis riparia</i>	riverbank grape	woody vine, herb	FACW-	2

<sup>Ψ</sup> Coefficient of Conservatism (Taft et al. 1997)

\*Non-native species

$$\bar{C} = \sum C/N = 76/28 = 2.7$$

$$FQI = \sum C/\sqrt{N} = 76/\sqrt{28} = 14.4$$

FAP 880 / 2711  
IL Route 131  
Wetland site 57  
Lake County



scale 1:4800  
1 inch=400 ft



06/2010