

**Revised Wetland Delineations 2009**  
**US Route 30 Project Corridor, Whiteside County**  
**Illinois**

Prepared For  
Illinois Department of Transportation  
Bureau of Design and Environment  
2300 Dirksen Parkway  
Springfield, Illinois 62764

By  
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Illinois Natural History Survey  
1816 S. Oak Street  
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18 February 2009

Revisions of two wetland sites were performed in August of 2009 based on changed field conditions at these two sites. The cover typing of the project area has been modified to reflect current conditions in Table 1-1. The modifications to the sites are summarized below and wetland determination sheets are included.

**Site 44:** At the time of the initial survey in 2007 this site was in the early stages of conversion to a CRP tree planting. Hydric soils were present though vegetation was lacking for a portion of this site. Upon surveying the site in 2009 wetland vegetation had developed in a narrow band from Site 44 along a field access and in a depression near IL 78. Wetland vegetation, soils, and hydrology were all present and the site's wetland acreage was increased to reflect the new boundaries. The updated acreage is shown below in table 1-2 and Figure 1.

**Site 85:** At some point between the surveys in 2008 and 2009 it appears that the drainage of this site along the adjacent railroad line has been altered. There is evidence of fresh railroad ballast near the site and it's possible that an existing culvert has been blocked. The altered hydrology has caused the site to increase in size. The updated acreage is shown below in table 1-2 and Figure 2.

**Table 1-1.** Land area of cover types present in the US Route 30 project corridors (Whiteside County, Illinois).

<b>Cover Type</b>	<b>Acres</b>	<b>%Cover</b>
Cropland	28,839.55	82.25%
Urban and Built-up Land	3,247.27	9.26%
Pasture and Hayland	906.57	2.59%
Forest	888.28	2.53%
Non-Native Grassland	163.15	0.47%
Tree Farm	133.34	0.38%
CRP Tree Planting	129.46	0.37%
Wet Meadow	125.77	0.36%
Shrubland	112.25	0.32%
Marsh	111.08	0.32%
Savanna	84.69	0.24%
CRP Grassland	76.01	0.22%
Grassland (Prairie)	66.81	0.19%
Riverine (River)	62.76	0.18%
Forested Wetland	39.35	0.11%
Lacustrine (Lake)	26.30	0.08%
Stream	19.32	0.06%
Sedge Meadow	13.64	0.04%
Forbland	6.60	0.02%
Mining	6.42	0.02%
Shrub-scrub Wetland	2.13	0.01%
Pond	0.57	0.00%
<b>Total</b>	<b>35,061.29</b>	<b>100.00%</b>

**Table 1-2** Wetland Summary Table

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 1	Dominant vegetation: Reed canary grass (herb)						
	Wet meadow	PSS1C	Gilford loam	5.0 (12.5)	14.2	-1.2	17.6
Site 2	Dominant vegetation: Reed canary grass (herb), Purslane speedwell(herb)						
	Wet meadow	PSS1C	Gilford loam	1.2 (3.0)	4.3	-1.3	30.0
Site 4	Dominant Vegetation: Potamogeton nodosus (herb), Narrow-leaved cattail (herb)						
	Pond	None	Water	0.11 (0.29)	7.2	0.6	52
Site 6	Dominant Vegetation: Reed canary grass (herb)						
	Marsh	PEMC, PSS1C, PSS1A, PFO1A, PEMADF	Sawmill silty clay loam	33.7 (83.3)	18.6	-0.9	31.9
Site 7	Dominant Vegetation: Reed canary grass (herb), Sandbar willow (shrub), Late goldenrod (herb)						
	Scrub-shrub wetland	PEMC	Sawmill silty clay loam	0.86 (2.1)	8.0	-0.7	17.6
Site 8	Dominant Vegetation: Reed canary grass (herb), Cottonwood (tree)						
	Forested wetland	None	Ambraw clay loam	0.40 (1.0)	8.2	0.7	29.2

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 9	Dominant Vegetation: Reed canary grass (herb), River bulrush (herb)						
	Marsh	PUBGX	Ambraw clay loam	1.3 (3.19)	12.2	-3.0	3.7
Site 10	Dominant Vegetation: Reed canary grass (herb)						
	Wet meadow	None	Ambraw clay loam	.20 (.49)	5.7	-0.1	40.0
Site 11	Dominant Vegetation: Reed canary grass (herb)						
	Wet meadow	PEMC	Ambraw clay loam	.91 (2.3)	9.9	-1.0	17.4
Site 13	Dominant Vegetation: Reed canary grass (herb)						
	Wet meadow	PEMC	Ambraw clay loam	0.08 (0.20)	4.3	-.04	10.0
Site 14	Dominant Vegetation: Cottonwood (tree), Reed canary grass (herb)						
	Wet meadow	PEMCX	generic Typic Psammaquent	0.06 (0.16)	5.7	-0.7	27.3
Site 15	Dominant Vegetation: Cottonwood (sapling), Panicked aster (herb), Ludwigia palustris (herb), Reed canary grass (herb), Great bulrush (herb)						
	Pond	None	Ambraw clay loam	0.1 (0.3)	15.0	-3.2	8.6
Site 17	Dominant Vegetation: Reed canary grass (herb)						
	Wet meadow	None	Ambraw clay loam	0.06 (0.1)	6.6	-0.1	21.4

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 18	Dominant Vegetation: Giant ragweed (herb)						
	Wet meadow	None	Palms muck	2.7 (6.6)	5.7	-2.0	40.0
Site 19	Dominant Vegetation: Common tussock sedge (herb)						
	Sedge Meadow	PEMA, PEMC	Palms muck	1.0 (2.5)	25.5	-3.3	10.6
Site 20	Dominant Vegetation: Reed canary grass (herb)						
	Marsh	PEMC	Sable silt loam	2.4 (5.9)	12.5	-3.4	13.0
Site 21	Dominant Vegetation: Reed canary grass (herb), Needle spike rush (herb)						
	Marsh	PEMC	Sable silt loam	0.3 (0.7)	4.5	-2.0	50.0
Site 22	Dominant Vegetation: Reed canary grass (herb), Brown fox sedge(herb)						
	Wet Meadow	PEMC	generic Typic Endoaquoll	0.01 (0.02)	10.7	-0.7	22.2
Site 23	Dominant Vegetation: Reed canary grass (herb), Small duckweed (herb)						
	Marsh	PEMC, PUBG	Birds silt loam	0.57 (1.4)	9.5	-1.6	10.5
Site 24	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow	PEMC	Orio loam	0.04 (0.1)	2.3	-0.8	18.2

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 25	Dominant Vegetation: Sandbar willow (shrub), Common cattail (herb)						
	Marsh	PEMC	Millington silt loam	4.9 (12.0)	12.5	-1.3	14.3
Site 26	Dominant Vegetation: Giant ragweed (herb), Late goldenrod (herb), Canada goldenrod (herb)						
	Wet Meadow	None	Drummer silt loam	2.3 (5.8)	9.0	-0.8	14.3
Site 27	Dominant Vegetation: Common cattail (herb)						
	Wet Meadow	None	Drummer silt loam	0.7 (1.6)	12.2	-2.1	8.3
Site 28	Dominant Vegetation: Giant ragweed (herb), Dark green bulrush (herb)						
	Wet Meadow	PEMA	Drummer silt loam	0.6 (1.5)	10.6	-1.3	17.9
Site 29	Dominant Vegetation: Sawtooth sunflower (herb)						
	Wet Meadow	PEMA	Drummer silt loam (	1.0 (2.4)	7.7	-0.7	21.1
Site 30	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow	PEMA	Sawmill silty clay loam	2.3 (5.6)	8.4	-2.3	8.3
Site 34	Dominant Vegetation: Black willow (tree), Reed canary grass (herb), Water pepper (herb), Pinkweed (herb)						
	Forested wetland	None	Birds silt loam	0.1 (0.2)	9.5	-2.9	29.4

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 35	Dominant Vegetation: Three-seeded mercury (herb), Reed canary grass (herb), Mild water pepper (herb)						
	Wet Meadow	None	Birds silt loam	0.1 (0.2)	7.8	-1.8	20.8
Site 36	Dominant Vegetation: Reed canary grass (herb)						
	Wet meadow	PEMC, PSS1C	Ambraw clay loam	5.2 (13.0)	6.7	-0.5	26.3
Site 39	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow	PEMF	Birds silt loam	0.4 (0.9)	9.6	-1.5	13.6
Site 40	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow	None	Birds silt loam	6.5 (16.0)	14.4	-1.5	16.3
Site 41	Dominant Vegetation: Acer saccharinum (tree), (shrub), (sapling); Black willow (tree), (shrub), (sapling); Sandbar willow (shrub), (sapling); Orange jewelweed (herb), Reed canary grass (herb)						
	Forested wetland	None	Birds silt loam	0.6 (1.5)	9.1	-3.3	12.5
Site 42	Dominant Vegetation: Cottonweed (tree), Black willow (shrub), (tree)						
	Forested wetland	None	Birds silt loam	0.4 (0.9)	9.7	-2.0	5.3
Site 43	Dominant Vegetation: Common water plantain(herb), Reed canary grass (herb)						
	Marsh	PUBF	Birds silt loam	0.9 (2.1)	9.7	-4.2	10.0

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 44	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow	PEMA	Birds silt loam	0.50 (1.24)	10.7	-2.5	25.0
Site 45	Dominant Vegetation: Reed canary grass (herb), Bur cucumber(vine)						
	Wet Meadow	PEMF	Birds silt loam	0.1 (0.2)	8.5	-2.9	6.3
Site 46	Dominant Vegetation: Green ash (tree), Wood nettle (herb)						
	Forested wetland	PFO1A	Drummer silt loam	0.2 (0.6)	9.3	-0.5	5.9
Site 47	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow	PSS1A	Birds silt loam	0.3 (0.6)	7.8	-1.8	14.3
Site 48	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow	None	Birds silt loam	0.4 (1.0)	15.0	-1.7	11.8
Site 50	Dominant Vegetation: Silver maple (tree), Cottonweed (tree), Virginia wild rye (herb), Reed canary grass (herb)						
	Forested wetland	PFO1C	Birds silt loam	1.9 (4.7)	11.1	-1.6	21.7
Site 51	Dominant Vegetation: Black willow (tree), Redtop (herb), Common tussock sedge (herb), Rice cutgrass (herb)						
	Sedge Meadow	PEMA	Elvers silt loam	0.6 (1.6)	16.6	-2.5	21.1



	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 63	Dominant Vegetation: Barnyard grass(herb), Salt-marsh cocksbur grass (herb)						
	Wet meadow	PUBGh	Seaton silt loam	0.1 (0.2)	3.7	-1.3	33.3
Site 64	Dominant Vegetation: Cottonweed (tree), American elm (tree), Glyceria striata (herb), Wood nettle (herb), Rice cutgrass (herb), Canada clearweed (herb)						
	Forested wetland	None	Undetermined	0.4 (1.0)	15.5	-1.0	14.3
Site 65	Dominant Vegetation: Rice cutgrass (herb)						
	Wet Meadow	None	Prophetstown silt loam	0.1 (0.3)	6.7	-1.9	18.8
Site 67	Dominant Vegetation: Cottonweed (tree), Black willow (tree), Black willow (sapling), Sandbar willow (shrub), Reed canary grass (herb), Narrow-leaved cattail (herb)						
	Forested Wetland	PEMCh	Drummer silty clay loam	2.2 (5.4)	11.2	-1.9	20.6
Site 68	Dominant Vegetation: Quack grass(herb), Yellow nut-sedge(herb), Water knotweed (herb), Common cattail (herb), Common ironweed (herb)						
	Wet Meadow	None	Undetermined	0.1 (0.4)	7.1	-1.2	25.0
Site 70	Dominant Vegetation: Pinkweed (herb), Narrow-leaved cattail (herb), Stinging nettle (herb)						
	Wet Meadow	None	Drummer silt loam	0.3 (0.8)	2.3	0.4	56.0

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 71	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow	None	Drummer silt loam	0.3 (0.7)	7.5	-1.0	26.7
Site 72	Dominant Vegetation: Reed canary grass (herb)						
	Wet Meadow (Vegetated Gravel Bar)	None	Undetermined	.03 (.08)	6.5	-1.6	20.0
Site 73	Dominant Vegetation: Box elder (tree), Cottonweed (tree), Black willow (tree), American elm (tree), Virginia wild rye (herb), Ground ivy (herb), Wood nettle (herb)						
	Forested wetland	PFO1C	Birds silt loam	1.7 (4.2)	13.8	-1.1	22.5
Site 74	Dominant Vegetation: Reed canary grass (herb), Polygonum lapathifolium (herb)						
	Wet Meadow	None	undetermined	0.1 (0.2)	4.3	-1.5	26.3
Site 78	Dominant Vegetation: Silver maple (tree), Canada clearweed (herb), Reed canary grass (herb), Wood nettle (herb)						
	Forested wetland	PFO1A, PUBH	Craigmile fine sandy loam	0.4 (1.1)	17.7	-1.7	19.2
Site 81	Dominant Vegetation: Orange jewelweed (herb), Rice cutgrass (herb), Reed canary grass (herb)						
	Wet Meadow	None	Ambraw clay loam	1.2 (3.0)	25.8	-1.6	11.5
Site 82	Dominant Vegetation: Box elder (tree), Jerusalem artichoke(herb), Reed canary grass (herb)						
	Forested wetland	PFO1A	undetermined	1.3 (3.2)	10.0	-0.8	20.7

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 83	Dominant Vegetation: Broad-leaved wooly sedge (herb), Sawtooth sunflower (herb), Canada goldenrod (herb), Narrow-leaved cattail (herb)						
	Wet Meadow	PEMA	Drummer silt loam	0.2 (0.4)	12.5	0.5	17.9
Site 85	Dominant vegetation: Red footed spike rush (herb), Broad-leaf water-plantain (herb)						
	Sedge meadow	PEMC, PEMCH	Sawmill silty clay loam	1.01 (2.49)	7.25	-3.7	20
Site 86	Dominant vegetation: Reed canary grass (herb), Sawtooth sunflower (herb)						
	Wet meadow	PEMAD	Sawmill silty clay loam.	8.19 (20.24)	15.40	-2.12	18.1
Site 91	Dominant Vegetation: Sedge (herb)						
	Sedge meadow	None	Birds silt loam	0.22 (0.55)	2.19	-0.72	27.3
Site 92	Dominant Vegetation: Virginia waterleaf (herb), Jewelweed (herb), Honewort (herb), Black walnut (tree)						
	Forested wetland	PEMC	undetermined	0.04 (0.09)	3.00	-0.20	20.0
Site 95	Dominant Vegetation: Giant ragweed (herb), Stinging nettle (herb)						
	Wet meadow	PFO1A	undetermined	0.11 (0.28)	9.04	0.53	21.1
Site 96	Dominant Vegetation: Reed canary grass (herb)						
	Wet meadow	PSS1A	undetermined	0.03 (0.09)	6.41	-1.05	26.3

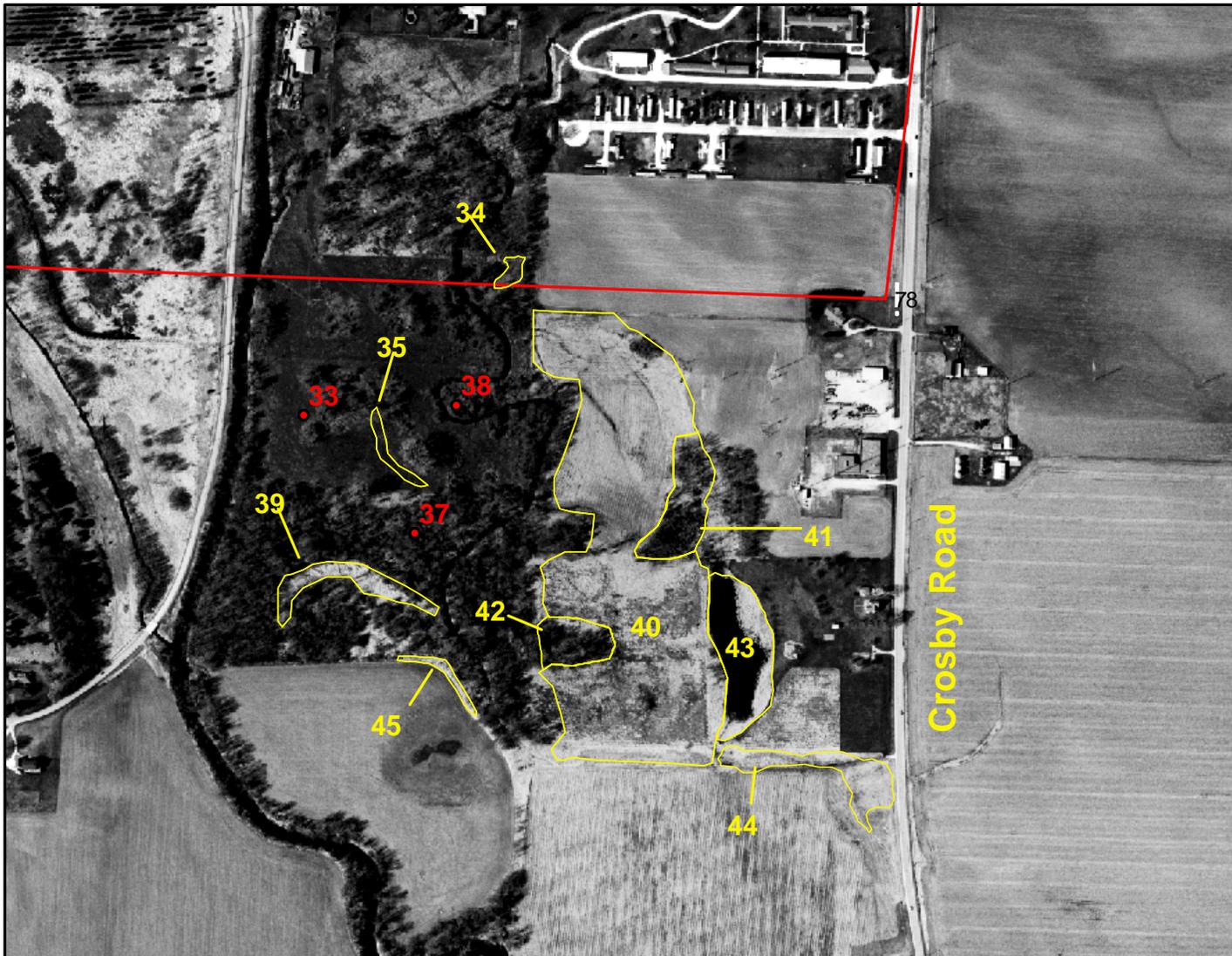


	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 106	Dominant Vegetation: Rice cutgrass (herb), Narrow-leaved cattail (herb)						
	Marsh	none	undetermined	0.6 (1.48)	7.50	-2.68	15.8
Site 107	Dominant Vegetation: Common smartweed (herb), Barnyard grass (herb), Red top (herb)						
	Wet meadow	none	undetermined	0.28 (0.69)	5.67	-4.64	18.2
Site 108	Dominant Vegetation: Tussock sedge (herb), Jewelweed (herb)						
	Sedge meadow	none	Undetermined	0.13 (0.32)	26.17	-3.35	2.7
Site 109	Dominant Vegetation: Reed canary grass (herb)						
	Wet meadow	none	Drummer silty clay loam	0.04 (0.11)	12.61	-2.83	5.56
Site 110	Dominant Vegetation: Reed canary grass (herb), Sawtooth sunflower (herb)						
	Wet Meadow	none	undetermined	1.86 (4.59)	11.63	-1.08	20.0
Site 111	Dominant Vegetation: Sweet cicely (herb), Reed canary grass (herb), White mulberry (tree)						
	Forested wetland	none	Drummer silty clay loam	0.12 (0.3)	6.35	0.17	29.4
Site 113	Dominant Vegetation: Sedge (herb), Reed canary grass (herb)						
	Wet Meadow	none	Sawmill silty clay loam	0.31 (0.76)	12.56	-2.00	17.6

	<b>Plant community</b>	<b>NWI Classification</b>	<b>Soil Series</b>	<b>Size ha (acres)</b>	<b>FQI</b>	<b>Wetness coefficient</b>	<b>% Adventive</b>
Site 114	Dominant Vegetation: Sedge (herb), Spotted joe pye weed (herb), Arrowhead (herb)						
	Marsh	PEMC	undetermined	0.52 (1.28)	12.25	-2.50	0.0

Figure 1

# US Route 30 Whiteside County



-  Project boundary
-  Wetland site
-  Non-wet NWI site

0 500 1,000  
Feet

0 150 300  
Meters

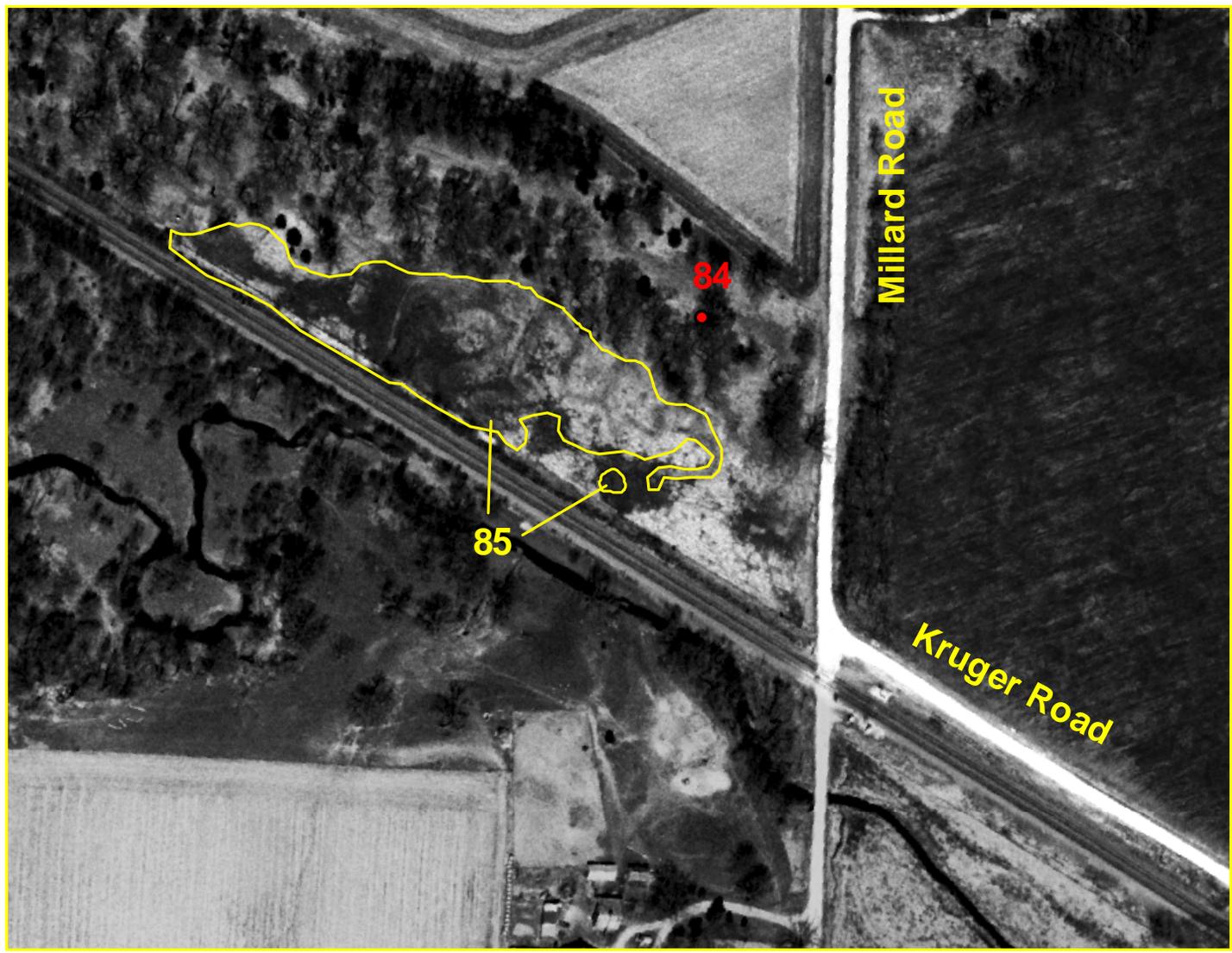
Scale 1:7,000

1 inch equals 583 feet



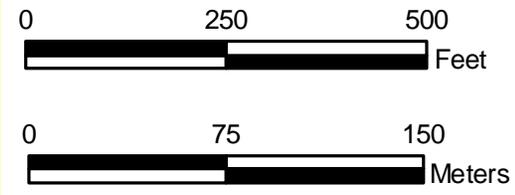
Figure 2

# US Route 30 Whiteside County



Legend:

- Wetland site
- Non-wet NWI site



Scale 1:2,861  
1 inch equals 238 feet





## ROUTINE ON-SITE WETLAND DETERMINATION

Site 44 (page 2 of 3)

**Field Investigators:** Zylka, Draheim

**Project Name:** U.S. 30

**Date:** 24 August, 2009    **IDOT District:** 2

**State:** Illinois    **County:** Whiteside

**Site Name:** wet meadow

**Legal Description:** SW ¼, NW ¼, SE ¼, Sec 19, RSE, T21N

**Location:** Approx. 14 m (45 ft) W of IL 78, 2005 m (6575 m ) N of Bunker Hill Rd.

### HYDROLOGY

Inundated:            Yes:            No:            Depth of standing water: NA

Depth to saturated soil: From surface to 0.30 m (12 in)

Overview of hydrological flow through the system: Water enters this site through precipitation and sheet flow. Water exits the site through evapotranspiration and soil infiltration.

Other field evidence observed: None

**Wetland hydrology:** Yes:    No:

**Rationale:** This site lies relatively low in the landscape and likely receives water from surrounding land.

### DETERMINATION AND RATIONALE:

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

**Rationale for decision:**    Based on the presence of dominant hydrophytic vegetation, hydric soils, and wetland hydrology, we determined that this site is a wetland. The NWI coded this site as a PEMA.

Determined by: Jason Zylka(vegetation, GIS, GPS, and hydrology)  
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**ROUTINE ON-SITE WETLAND DETERMINATION**

Site 44 (page 3 of 3)

**Field Investigators:** Zylka, Draheim

**Project Name:** U.S. 30

**Date:** 24 August, 2009     **IDOT District:** 2

**State:** Illinois     **County:** Whiteside

**Site Name:** wet meadow

**Legal Description:** SW ¼, NW ¼, SE ¼, Sec 19, RSE, T21N

**Location:** Approx. 14 m (45 ft) W of IL 78, 2005 m (6575 m ) N of Bunker Hill Rd.

**SPECIES LIST**

Scientific name	Common name	Stratum	Wetland indicator status	CC†
<i>Ambrosia trifida</i>	giant ragweed	herb	FAC+	0
<i>Angelica atropurpurea</i>	angelica	herb	OBL	6
<i>Asclepias incarnata</i>	swamp milkweed	herb	OBL	4
<i>Carex</i> sp.	sedge	herb	-----	--
<i>Echinocystis lobata</i>	wild balsam-apple	vine	FACW-	4
<i>Phalaris arundinacea</i>	reed canary grass	herb	FACW+	*
<i>Polygonum amphibium</i>	water smartweed	herb	OBL	3
<i>Populus deltoides</i>	eastern cottonwood	shrub	FAC+	2
<i>Rumex crispus</i>	curly dock	herb	FAC+	*
<i>Scirpus atrovirens</i>	dark green bulrush	herb	OBL	4
<i>Setaria faberi</i>	giant foxtail	herb	FACU+	*
<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>Urtica dioica</i>	stinging nettle	herb	FAC+	2
<i>Verbena hastata</i>	blue vervain	herb	FACW+	3
<i>Vernonia fasciculata</i>	common ironweed	herb	FACW	5

†Coefficient of Conservatism (Taft *et al.* 1997)

\*Non-native species

$$mCv = R/N = 37/12 = 3.08$$

$$FQI = R/(\sqrt{N}) = 37/(\sqrt{12}) = 10.68$$



## ROUTINE ON-SITE WETLAND DETERMINATION

Site 85 (page 2 of 3)

**Field Investigators:** Zylka, Wiesbrook

**Project Name:** U.S. 30

**Date:** 20 August, 2009    **IDOT District:** 2

**State:** Illinois    **County:** Whiteside

**Site Name:** Sedge meadow

**Legal Description:** NE ¼, SE ¼, SW ¼, Sec 29, R4E, T22N

**Location:** 67 m (220 feet) northwest of the intersection of Millard Road and Kruger Road.

### HYDROLOGY

Inundated: Yes    Depth of standing water: Up to about 1.0 m (39 in)

Depth to saturated soil: At surface

Overview of hydrological flow through the system: Water enters this site through precipitation and sheetflow, water leaves this site through evapotranspiration, soil infiltration, and some limited flow into an adjacent ditch

Other field evidence observed: None.

**Wetland hydrology:** Yes: X    No:

**Rationale:** This site's landscape position makes it likely this site is inundated or saturated for a sufficient duration to satisfy the wetland hydrology criterion.

### DETERMINATION AND RATIONALE:

**Is the site a wetland?**    Yes: X    No:  
**Rationale for decision:**    Based on the presence of dominant hydrophytic vegetation, hydric soils, and wetland hydrology, we determined that this site is a wetland. The NWI coded this site as a PEMC (a seasonally flooded, emergent, palustrine wetland) and a PEMCH (a diked/impounded, seasonally flooded, emergent, palustrine wetland).

Determined by: Jason Zylka (vegetation, GPS, GIS, and hydrology)  
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## ROUTINE ON-SITE WETLAND DETERMINATION

Site 85 (page 3 of 3)

**Field Investigators:** Zylka, Wiesbrook

**Project Name:** U.S. 30

**Date:** 20 August, 2009    **IDOT District:** 2

**State:** Illinois    **County:** Whiteside

**Site Name:** Sedge meadow

**Legal Description:** NE ¼, SE ¼, SW ¼, Sec 29, R4E, T22N

**Location:** 67 m (220 feet) northwest of the intersection of Millard Road and Kruger Road.

### SPECIES LIST

Scientific name	Common name	Stratum	Wetland indicator status	CC†
<i>Alisma plantago-aquatica</i>	broad-leaf water-plantain	herb	OBL	2
<i>Alopecurus carolinianus</i>	annual foxtail	herb	FACW	0
<i>Bidens aristosa</i>	swamp marigold	herb	FACW	1
<i>Carex</i> sp.	sedge	herb	-----	--
<i>Cyperus strigosus</i>	straw-colored flatsedge	herb	FACW	0
<i>Echinochloa muricata</i>	barnyard grass	herb	OBL	0
<i>Eleocharis erythropoda</i>	red-rooted spike rush	herb	OBL	3
<i>Eleocharis obtusa</i>	blunt spike rush	herb	OBL	2
<i>Festuca pratensis</i>	meadow fescue	herb	FACU-	*
<i>Lycopus americanus</i>	common water horehound	herb	OBL	3
<i>Mimulus ringens</i>	monkey flower	herb	OBL	5
<i>Phalaris arundinacea</i>	reed canary grass	herb	FACW+	*
<i>Polygonum lapathifolium</i>	curttop lady's thumb	herb	FACW+	0
<i>Polygonum pensylvanicum</i>	giant smartweed	herb	FACW+	1
<i>Polygonum pensylvanicum</i>	giant smartweed	herb	FACW+	1
<i>Ranunculus sceleratus</i>	cursed crowfoot	herb	OBL	3
<i>Scirpus atrovirens</i>	dark green bulrush	herb	OBL	4
<i>Setaria glauca</i>	pigeon grass	herb	FAC	*
<i>Spartina pectinata</i>	freshwater cord grass	herb	FACW+	4
<i>Typha angustifolia</i>	narrow-leaved cattail	herb	OBL	*
<i>Veronica peregrina</i>	purslane speedwell	herb	FACW+	0

†Coefficient of Conservatism (Taft *et al.* 1997)

\*Non-native species

$$mCv = R/N = 29/16 = 1.81$$

$$FQI = R/(\sqrt{N}) = 29/(\sqrt{16}) = 7.25$$