WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site: L3R | City/County: Polk | Sampling Date: 10/11/2014

Applicant/Owner: Enbridge | State: MN | Sampling Point: u-149n39w1-a1

Investigator(s): BJC/RAJ | Section, Township, Range:

Landform (hillslope, terrace, etc.): Footslope | Local relief (concave, convex, none): CL

Slope (%): 3 - 7% | Lat: 47.752577 | Long: -95.600187 | Datum:

Soil Map Unit: 681 | NWI Classification:

Are climatic/hydrologic conditions of the site typical for this time of the year? ☑ (If no, explain in remarks)

Are vegetation ☐, soil ☐, or hydrology ☐ significantly disturbed? Are "normal circumstances" present? ☑

Are vegetation ☐, soil ☐, or hydrology ☐ naturally problematic? (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

Hydrophytic vegetation present?	N
Hydric soil present?	N
Indicators of wetland hydrology present?	N
Is the sampled area within a wetland?	N
If yes, optional wetland site ID:	

Remarks: (Explain alternative procedures here or in a separate report.)

The upland sample point is located on the edge of a small patch of mesic forest between a soybean field and a shallow marsh.

VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: 30 ft)	Absolute % Cover	Dominant Species	Indicator Status
1 *Populus tremuloides*	25	Y	FAC
2			
3			
4			
5			
	25 = Total Cover		

Sapling/Shrub stratum (Plot size: 15 ft)			
1 *Tilia americana*	5	Y	FACU
2			
3			
4			
5			
	5 = Total Cover		

Herb stratum (Plot size: 5 ft)			
1 *Bromus inermis*	50	Y	FACU
2 *Asclepias syriaca*	20	Y	FACU
3 *Solidago canadensis*	20	Y	FACU
4 *Rubus idaeus*	10	N	FACU
5			
6			
7			
8			
9			
10			
	100 = Total Cover		

Woody vine stratum (Plot size: 30 ft)			
1			
2			
	0 = Total Cover		

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across all Strata: 5 (B)

Percent of Dominant Species that are OBL, FACW, or FAC: 20.00% (A/B)

Prevalence Index Worksheet

Total % Cover of:

OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	25	x 3 =	75
FACU species	105	x 4 =	420
UPL species	0	x 5 =	0
Column totals	130 (A)		495 (B)

Prevalence Index = B/A = 3.81

Hydrophytic Vegetation Indicators:

- ☐ Rapid test for hydrophytic vegetation
- ☐ Dominance test is >50%
- ☐ Prevalence index is ≤3.0*
- ☐ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic hydrophytic vegetation* (explain)

*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Hydrophytic vegetation present? N

Remarks: (Include photo numbers here or on a separate sheet)

The upland sample point is dominated by smooth brome, common milkweed, and Canada goldenrod. Some quaking aspen is present on the edge of the vegetation sampling plot.