## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

pelicant/Owner: Enbidge	on, Township, Range: S. 7 T. 50N R. 19W  ief (concave, convex, none): concave Slope: 0.0 % / 0.0 63  Long.: -92 47.4028 Datum: NAD 83  NWI classification: N/A  Yes No (If no, explain in Remarks.)  ed? Are "Normal Circumstances" present? Yes No circ? (If needed, explain any answers in Remarks.)  ig point locations, transects, important features, etc
Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° of / 0.0	Slope: 0.0 % / 0.0 63 Long.: -92 47.4028 Datum: NAD 83  NWI classification: N/A  Yes No (If no, explain in Remarks.) ed? Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) ng point locations, transects, important features, etc
Local relief (concave, convex, none):   concave   Slope:   0,0 % / 0,0	Slope: 0.0 % / 0.0 63 Long.: -92 47.4028 Datum: NAD 83  NWI classification: N/A  Yes No (If no, explain in Remarks.) ed? Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) ng point locations, transects, important features, etc
Map Unit Name:   B127B	NWI classification: N/A  Yes No (If no, explain in Remarks.)  ed? Are "Normal Circumstances" present? Yes No  ic? (If needed, explain any answers in Remarks.)  ng point locations, transects, important features, etc
re climatic/hydrologic conditions on the site typical for this time of year? Yes ® No (If no, explain in Remarks.)  re Vegetation	Yes No (If no, explain in Remarks.)  ed? Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.)  ng point locations, transects, important features, etc
re Vegetation	ed? Are "Normal Circumstances" present? Yes No Cic? (If needed, explain any answers in Remarks.)  In point locations, transects, important features, etc
re Vegetation	ed? Are "Normal Circumstances" present? Yes No Circ? (If needed, explain any answers in Remarks.)  In point locations, transects, important features, etc.  Is the Sampled Area
re Vegetation	ic? (If needed, explain any answers in Remarks.)  In point locations, transects, important features, etc  Is the Sampled Area
Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc  Hydrophytic Vegetation Present? Yes No No Site Site Sampled Area within a Wetland?  Hydric Soil Present? Yes No No Site Sampled Area within a Wetland?  Wetland Hydrology Present? Yes No No Secondary Indicators:  Wetland Hydrology Indicators:  Secondary Indicators:  No Secondary Indic	Is the Sampled Area
Hydric Soil Present?  Wetland Hydrology Present?  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Water Stained Leaves (89)  Water Ala)  Water Stained Leaves (89)  Water Marks (81)  Bediment Deposits (82)  Dorift deposits (83)  Presence of Reduced Iron (C4)  Algal Mat or Crust (84)  Recent Iron Reduction in Titled Soils (C6)  Algal Mat or Crust (84)  Recent Iron Reduction in Titled Soils (C6)  In undation Visible on Aerial Imagery (87)  In undation Visible on Aerial Imagery (87)  Water Table Present?  Water Table Present?  Yes No  Depth (inches):  Under Table Present?  Wetland Hydrology Present?  Yes No  Depth (inches):  Under Table Present?  Yes No  No  Wetland Hydrology Present?  Yes No  No  Wetland Hydrology Present?  Yes No	
within a Wetland?  Wetland Hydrology Present?  Remarks: (Explain alternative procedures here or in a separate report.)  Wetland Hydrology Indicators:  Primary Indicators (minimum of ore required: check all that apply)  Surface Water (A1)  Water-Stained Leaves (89)  Drainage Patterns (B10)  Water-Stained Leaves (B9)  Drainage Patterns (B10)  Water-Stained Leaves (B9)  Drainage Patterns (B10)  Dry Season Water Table (C2)  Dry Season Wa	
Application   Present?   Yes   No   No     No     No     No     No     No     No     No     No	
### According to the procedures here or in a separate report.)  #### Augustic Fauna (B13)    Water Marks (B1)	
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1)  Water-Stained Leaves (B9)  High Water Table (A2)  Aquatic Fauna (B13)  Marl Deposits (B15)  Dry Season Water Table (C2)  Water Marks (B1)  Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2)  Drift deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Feld Observations:  Surface Water Present?  Yes ■ No Depth (inches):  Deposits (includes capillary fringe)  Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1)  Water-Stained Leaves (B9)  Primary Indicators (minimum of one required; check all that apply)  Water-Stained Leaves (B9)  Prainage Patterns (B10)  Aquatic Fauna (B13)  Moss Trim Lines (B16)  Saturation (A3)  Marl Deposits (B15)  Dry Season Water Table (C2)  Crayfish Burrows (C8)  Sediment Deposits (B2)  Drift deposits (B3)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Field Observations:  Surface Water Present?  Yes No  Depth (inches):  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
✓ Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         ✓ High Water Table (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)         ✓ Saturation (A3)       Marl Deposits (B15)       Dry Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres along Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       FAC-neutral Test (D5)         Field Observations:         Surface Water Present?       Yes No       Depth (inches): 4       Depth (inches): 4         Water Table Present?       Yes No       Depth (inches): 0       Wetland Hydrology Present?       Yes No       No         Depth (inches): 0       Depth (inches): 0       Depth (inches): 0       Wetland Hydrology Present?       Yes No       No	
✓ High Water Table (A2)       Aquatic Fauna (B13)       Moss Trim Lines (B16)         ✓ Saturation (A3)       Marl Deposits (B15)       Dry Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres along Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       Pepth (inches):       Wetland Hydrology Present?       Yes No Depth (inches):         Water Table Present?       Yes No Depth (inches):       Wetland Hydrology Present?       Yes No Depth (inches):       No Depth (inches):         Cincludes capillary fringe)       Yes No Depth (inches):       Wetland Hydrology Present?       Yes No Depth (inches):       No Depth (inches):	
Water Marks (B1)	
Sediment Deposits (B2)	Dry Season Water Table (C2)
□ Drift deposits (B3) □ Presence of Reduced Iron (C4) □ Stunted or Stressed Plants (D1) □ Algal Mat or Crust (B4) □ Recent Iron Reduction in Tilled Soils (C6) □ Geomorphic Position (D2) □ Iron Deposits (B5) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ Other (Explain in Remarks) □ Microtopographic Relief (D4) □ Sparsely Vegetated Concave Surface (B8) □ Depth (inches): □ Use Table Present? Yes ○ No ○ Depth (in	Crayfish Burrows (C8)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface Water Present? Yes No Depth (inches): 4 Water Table Present? Yes No Depth (inches): 0 Depth (inches): 0 Depth (inches): 0 Depth (inches): 1 Depth (inches): 0 Depth (inches): 1 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
□ Iron Deposits (B5) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ Other (Explain in Remarks) □ Microtopographic Relief (D4) □ Sparsely Vegetated Concave Surface (B8) □ FAC-neutral Test (D5) □ Pepth (inches): □ □ □ Wetland Hydrology Present? Yes □ No □ Depth (inches): □ □ Wetland Hydrology Present? Yes □ No □ Depth (inches): □ □ □ Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	,
Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remarks)  Microtopographic Relief (D4)  Sparsely Vegetated Concave Surface (B8)  FAC-neutral Test (D5)  Field Observations:  Surface Water Present?  Yes  No  Depth (inches):  4  Water Table Present?  Yes  No  Depth (inches):  0  Saturation Present?  Yes  No  Depth (inches):  0	
Sparsely Vegetated Concave Surface (B8)  Field Observations:  Surface Water Present?  Water Table Present?  Yes No Depth (inches): 0  Saturation Present?  Yes No Depth (inches): 0	
Field Observations:  Surface Water Present?  Yes No Depth (inches): 4  Water Table Present?  Yes No Depth (inches): 0  Saturation Present?  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Surface Water Present? Yes No Depth (inches): 4 Water Table Present? Yes No Depth (inches): 0 Saturation Present? Yes No Depth (inches): 0 Uncludes capillary fringe) Yes No Depth (inches): 0 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	FAC-neutral Test (D5)
Water Table Present?  Saturation Present? (includes capillary fringe)  Wetland Hydrology Present?  Yes No Depth (inches):  De	
Saturation Present? Yes No Depth (inches): 0  Wetland Hydrology Present? Yes No Depth (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Wetland Hydrology Present? Yes ● No ○
Remarks:	us inspections), if available:
ACHIGINS.	
	4

## **VEGETATION - Use scientific names of plants**

Absolute Dominant Indicator Dominance Test worksheet:											
Tree Stratum (Plot size: 30 )											
1	(A)										
2											
3 Total Number of Dominant Species Across All Strata: 4	(B)										
4	_										
5 Percent of dominant Species	(4 (5)										
6	<u>(A/B)</u>										
7											
0 - Total Cover Total % Cover of Multiply by											
Sapling/Shrub Stratum (Plot size: 15 )	00										
1. <u>Alnus incana</u> 20 FACW species 50 x 2 = 10											
<b>? Salix petiolaris</b> 20 <b>✓</b> FACW <b>I</b>											
3. Spiraea alba 10 🗸 FACW	-										
4											
5 UPL species x 5 =	)										
6	00 <b>(B)</b>										
7											
EO = Total Cover	_										
Herb Stratum (Plot size: 5 ) Hydrophytic vegetation indicators:											
1. Calamagrostis canadensis  100  OBL  Rapid Test for Hydrophytic Vegetation											
Dominance Test is > 50%											
3 0 Prevalence index is \$5.0											
Morphological Adaptations - (Provide s											
data in Remarks or on a separate sneet	*										
	(Explain)										
	ology must										
be present, unless disturbed or problematic											
Definitions of Versatation Streets											
9											
Titlee - Woody plants, 3 in. (7.6 cm) or more											
	at breast height (DBH), regardless of height.  Sapling/shrub - Woody plants less than 3 in. DBH and										
12 Sapling/shrub - Woody plants less than 3 in											
Woody Vine Stratum (Plot size: 30) = Total Cover greater than 3.28 ft (1m) tall											
	enardless of										
size and woody plants less than 3.28 ft tall											
voody vine - All woody vines greater than 3	Woody vine - All woody vines greater than 3.28 ft in height.										
4											
= Total Cover											
Hydrophytic											
Vogetation											
Present? Yes No											
Remarks: (Include photo numbers here or on a separate sheet.)											

Sampling Point: w-50n19w7-e2

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: w-50n19w7-e2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth		Matrix		Redox Features				_			
(inches)	Color (	moist)	%_	Color (moi	st) %	Type 1	Loc2	Texture	Remarks		
0-18	10YR	2/1	100					Muck			
18-20	10YR	3/1	100					Silt Loam			
								-			
								-			
								-			
	-		-								
			-				-				
1 Type: C=Cond	centration F	=Depletio	n. RM=Rec	luced Matrix, CS=0	Covered or Coa	ted Sand Gr	ains 21 oca	ation: PL=Pore Lining. M=Ma	atrix		
Hydric Soil I		Dopictio		acca maan, co-	2270104 01 004	a Jana Oi	a L000				
Histosol (A				Polyvolus	Below Surface	7 (28) (1 DD 1	)		ematic Hydric Soils: 3		
_ `	edon (A2)			MLRA 14		; (30) (LKK I	ν,		LRR K, L, MLRA 149B)		
Black Histi				Thin Dark	Surface (S9)	(LRR R, MLI	RA 149B)		x (A16) (LRR K, L, R)		
	Sulfide (A4)				ucky Mineral (F			_	r Peat (S3) (LRR K, L, R)		
	Layers (A5)				leyed Matrix (F.			Dark Surface (S7)			
	Below Dark :	Surface (A	11)	☐ Depleted	Matrix (F3)				urface (S8) (LRR K, L)		
	k Surface (A		11)		ark Surface (F6	)		Thin Dark Surface			
	ck Mineral (S			Depleted	Dark Surface (	(F7)			asses (F12) (LRR K, L, R)		
_	yed Matrix (			Redox De	epressions (F8)				n Soils (F19) (MLRA 149B)		
Sandy Red		.54)							(MLRA 144A, 145, 149B)		
Stripped N								Red Parent Materia			
	ace (S7) (LR	R R. MI RA	149B)					Very Shallow Dark			
								Other (Explain in R	emarks)		
Indicators of	hydrophytic	vegetatio	n and wetla	and hydrology mus	st be present, ι	ınless distur	bed or proble	ematic.			
Restrictive La	ayer (if obs	erved):									
Type:											
Depth (inch	nes):							Hydric Soil Present?	Yes ● No ○		
Remarks:											