WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Applicant/Owner: Enbridge Investigator(s): BEH/BCS Landform (hillslope, terrace, etc.): Side slope Slope (%): 3 - 7% Lat.: 47.20936833 Lon Soil Map Unit Name: 1336 Are climatic/hydrologic conditions of the site typical for the Are vegetation , soil , or hydrology	Local relief (co ng.: <u>-94.953533</u> Datum is time of the year? 	ownship, Range: ncave, convex, none): CL NWI Classification: (If no, explain in remarks) Are "normal
Are vegetation, soil, or hydrology (If needed, explain any answers in remarks)	naturally problematic?	circumstances" present? ⊻
Hydrophytic vegetation present? N Hydric soil present? N Indicators of wetland hydrology present? N	Is the sampled area within If yes, optional wetland site	
Remarks: (Explain alternative procedures here or in a se The upland sample point is located in a mowed f		e of graminoids and forbs.
HYDROLOGY		
 High Water Table (A2) Aquatic Saturation (A3) Marl De Water Marks (B1) Hydroge Sediment Deposits (B2) Oxidized Drift Deposits (B3) Algal Mat or Crust (B4) Presend Iron Deposits (B5) Recent Inundation Visible on Aerial Soils (C Imagery (B7) Thin Mu Sparsely Vegetated Concave Surface (B8) 	Stained Leaves (B9) Fauna (B13) posits (B15) en Sulfide Odor (C1) d Rhizospheres on Roots (C3) ce of Reduced Iron (C4) Iron Reduction in Tilled	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)	Depth (inches): Depth (inches): Depth (inches):	Indicators of wetland hydrology present? <u>N</u>
Describe recorded data (stream gauge, monitoring well,	aenai priotos, previous inspecti	uns), ii avaliable.
Remarks: No primary or secondary hydrological indicator	rs were observed.	

EGETATION - Use scientific names of plants	5	9	Sampling Point:	HUC5226b1U		
Tree Stratum Plot Size(30 ft)	Absolute % Cover	Dominant Species	Indicator Status	50/20 Thresholds 20% 50% Tree Stratum 0 0 0 Sapling/Shrub Stratum 0 0 0 Herb Stratum 16 40 Woody Vine Stratum 0 0		
Sapling/Shrub Plot Size(15 ft)	0 = Absolute % Cover	Total Cover Dominant Species	Indicator Status	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: 0 (A) Total Number of Dominant Species Across all Strata: 1 (B) Percent of Dominant Species that are OBL, FACW, or FAC: 0.00% (A/B)		
				Prevalence Index WorksheetTotal % Cover of: OBL species 0 $x 1 =$ 0 FACW species 0 $x 2 =$ 0 FAC species 0 $x 3 =$ 0 FACU species 30 $x 4 =$ 120 UPL species 50 $x 5 =$ 250 Column totals 80 (A) 370 Prevalence Index = B/A = 4.63		
Herb Stratum Plot Size(5ft) Bromus inermis Taraxacum officinale Poa pratensis Lotus corniculatus	0 = Absolute % Cover 50 15 10 5	Total Cover Dominant Species Y N N N	Indicator Status UPL FACU FACU FACU	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		
		Total Cover		Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Woody Vine Plot Size (30 ft)	Absolute % Cover	Dominant Species	Indicator Status	Woody vines - All woody vines greater than 3.28 ft in height.		
l	0 =	Total Cover		Hydrophytic vegetation present? <u>N</u>		

SOIL								Samp	ling Point:	HUC5226b1U
Profile	Description:	(Describe	to the	depth needed to	o docume	nt the ir	ndicator or	⁻ confirm	the absence	e of indicators.)
Depth		Matrix			Redox I	Feature	s			Remarks
(ln.)	Color	(moist)	%	Color (m	oist)	%	Type*	Loc**	Texture	Remarks
0-3	Hue_10YR	2/2	100						L	
3-16	Hue 2.5YR	4/3	98	Hue_10YR	4/4	2	С	М	SCL	
16-20	Hue 2.5YR	4/3	80	Hue_10YR	4/6	20	С	М	SC	
*Type:	C=Concentr	ation. D=De	epletio	n, RM=Reduce	d Matrix. C	CS=Cov	/ered or C	oated Sa	and Grains	
	ion: PL=Por				, -					
Hydric	Soil Indica	tors:						Indicat	ors for Prot	blematic Hydric Soils:
☐ Histosol (A1) ☐ Polyvalue Below Surface 2 cm Muck (A10) (LRR K, L, MLRA 149B ☐ Histoc Epipedon (A2) [S8) (LRR R, MLRA 149B) ☐ Coast Prairie Redox (A16) (LRR K, L, R) ☐ Black Histic (A3) ☐ Thin Dark Surface (S9) [LRR R, MLRA 149B] ☐ Stratified Layers (A5) [LRR K, L] [Depleted Below Dark Suface (A11)] [LRR K, L] ☐ Thick Dark Surface (A12) [Loamy Gleyed Matrix (F2)] [Depleted Matrix (S4)] [Depleted Matrix (S4)] [Depleted Dark Surface (F6)] ☐ Sandy Redox (S5) [Depleted Dark Surface (S7) (LRR R, MLRA [Pelyvalue Below Dark Surface (TF12)] [Pelyvalue Below Surface (TF12)] ☐ Dark Surface (S7) (LRR R, MLRA [Pelyvalue Below Surface (TF12)] [Piedmont Floodplain Soils (F12) (LRR K, L, R)] ☐ Sandy Redox (S5) [Depleted Dark Surface (F7)] [Peleted Dark Surface (F7)] [Peleted Dark Surface (TF12)] ☐ Dark Surface (S7) (LRR R, MLRA [Peleted Dark Surface (F7)] [Peleted Dark Surface (TF12)] [Other (Explain in Remarks)]										
Restrictive Layer (if observed): Hydric soil present? N Type: Hydric soil present? N Depth (inches): N							nt? <u>N</u>			
Remark The		stics of th	e soil	profile did no	t meet a	ny hyc	tric soil ir	ndicator	°S.	