WETLAND DETERMINATION DATA FORM - Great Plains Region

L3R Project/Site: C	Mars ity/County:	hall		2015-06-08 Sampling Date:
Enbridge pplicant/Owner:	,	Mir State:	nnesota	u-156n46w27-c1 Sampling Point:
ACM/KRG			shin Range	
rise ndform (hillslope, terrace, etc.):				Conve 3-7
		48.30099425	f (concave, con 74	-96.56150124 titude:
bregion (LRR or MLRA): Minnesota State Plane North, NAD 8		e:	Longi	itude:
Datum:		•		
il Map Unit Name:				NWI Classification:
e climatic/hydrologic conditions on the site typic	al for this time of	year? (if no, exp	olain in Remarks	Yes
No N	o significantly o	disturbed? Are "	Normal Circum	Yes stances" present?
re Vegetation No No No No No No No No No	naturally proble	ematic? (If nee	ded. explain anv	vanswers in Remarks)
JMMARY OF FINDINGS - Attach site map show	wing sampling po	int locations, tra	ansects, import	ant features, etc.
drophytic Vegetation Present?		Is the San	pled Area	
ydric Soil Present?	No	within a V	Vetland?	No
etland Hydrology Present?	No	If yes, opt	ional Wetland S	iite ID:
emarks: (Explain alternative procedures here or	in a separate repo	ort.)		
he upland is dominated by saplings and grasses;	t is located betwe	een a forest and	a crop field.	
EGETATION - Use scientific names of plants.	Absolute			L
e Stratum (Plot Size: 30)	% Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species
Populus balsamifera	2.00	No	FACW	That Are OBL, FACW, or FAC: 3 (A)
				Total Number of Dominant
				4 Species Across All Strata:(B)
		_	_	Percent of Dominant Species
	2	_ = Total Cover		75 That Are OBL, FACW, or FAC:(A/B)
pling/Shrub Stratum (Plot Size: 15)				Prevalence Index worksheet:
Populus tremuloides Acer negundo	_ <u>15.00</u> 10.00	Yes Yes	FAC FAC	
Prunus virginiana	_ 5.00	No No	FACU	FACW species 7.00 x 2 14
Populus balsamifera	5.00	No	FACW	FACU species 55.00 x 3 40
				UPL species 75.00 x 4 375 Column Totals 147 (A) 594 (B)
erb Stratum (Plot Size: 5)	35	_ = Total Cover		Column Totals $\underline{147}$ (A) $\underline{594}$ (B) Prevalence Index = B/A = $\underline{4.04082}$
Bromus inermis	75.00	Yes	UPL	Hydrophytic Vegetation Indicators:
Urtica dioica	30.00	Yes	FAC	1 - Rapid Test for Hydrophytic Vegetation
Cirsium arvense Convolvulus arvensis	2.00	No No	FACU	yes 2 - Dominance Test is > 50% no 3 - Prevalence Index is ≤ 3.0^{1}
		NO	_	4 - Morphological Adaptations ¹ (Provide
	_		_	supporting data in Remarks or on a separate sheet)
				supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹
	<u> </u>			Problematic Hydrophytic Vegetation ¹ (Explain)
	 			Problematic Hydrophytic Vegetation ¹
				Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present,
		= Total Cover		Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present,
	112	= Total Cover		Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present,
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oody Vine Stratum (Plot Size:)				Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present,
oody Vine Stratum (Plot Size:)		= Total Cover		Problematic Hydrophytic Vegetation ¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
oody Vine Stratum (Plot Size:)				Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present,

Soil Sampling Point: u-156n46...

Depth Matrix		Redox F	-eatures						
nches) Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	ırks
18 10YR 2 1	100					I			
			· —— -						
ype: C=Concentration, D=Depletion, RN	1=Reduced Matrix	, MS=Masked Sand Gra	ains.					² Location:	PL=Pore Lining, M=Ma
dric Soil Indicators:						Indica	tors for Probler	matic Hydric Soil ³ :	
Histosol (A1)		Sandy Gleyed	Matrix (S4))			Lcm Muck (A9)	(LRR I, J)	
Histic Epipedon (A2)		☐ Sandy Redox	(S5)				oast Prairie Red	dox (A16)(LRR K, L	, R)
Black Histic (A3)		Stripped Mate	rix (S6)				ark Surface (S7) (LRR G)	
Hydrogen Sulfide (A4)		Loamy Mucky	/ Mineral (F	1) (LRR K	. L)		ligh Plains Depr	essions (F16)	
Stratified Layers (A5)		Loamy Gleyed			, -,			MLRA 72 & 73)	
7				-)					
1cm Muck (A9) (LRR F, G, H)		☐ Depleted Mat					educed Vertic (
Depleted Below Dark Surface (A11)		Redox Dark S	urface (F6)			☐ F	ed Parent Mate	erial (F21)	
Thick Dark Surface (A12)		Depleted Dar	k Surface (F	7)			ery Shallow Da	rk Surface (TF12)	
Sandy Mucky Mineral (S1)		Redox Depres	ssions (F8)				ther (explain ir	remarks)	
2.5cm Mucky Peat or Peat (S2)(LRR	: G. H)	High Plains De	epressions ((F16)					
5cm Mucky Peat or Peat (S3) (LRR F		-	& 73 of LRF					hytic vegetation ar ust be present, un	
- Schrivideky reactor reac (33) (Link)	1	(WILKA 72	. & 73 OI ENI	X 11)			ed or problem		1033
atainti a la constitue de la c	П								
strictive Layer (if present):									
						dric Soil Pres	anta No	_	
Type:			i		Hy	une son mes			
Depth (inches):emarks: poil is dark loam throughout the profile. N	lo hydric soil indica	ators were observed.			ну	une sommes			
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