## WETLAND DETERMINATION DATA FORM - Great Plains Region

SPP Project/Site: City	Polk /County:			Sampling Date:	2015-07-13
Applicant/Owner:		Min State:	nesota	Sampling Point:	w-149n42w2-a1
ACM/LEB Investigator(s):		Section, Towns	hip, Range:		
depression Landform (hillslope, terrace, etc.):		Local Relie	f (concave, conv	Conca vex, none):	0-2 Slope (%):
Subregion (LRR or MLRA):	Latitude:	47.748395749		-96.00085769 ude:	
Minnesota State Plane North, NAD 83 ( Datum:	2011) U.S. feet				
I65A				NIMI Classificatio	on:
Soil Map Unit Name:					Yes
Are climatic/hydrologic conditions on the site typical  No No No No					
Are Vegetation, Soil, or Hydrology	_ significantly dis	turbed? Are "I	Normal Circums	tances" present?	
Are Vegetation No No No Are Vegetation No	naturally problen	natic? (If need	ed, explain any	answers in Remarks)	
SUMMARY OF FINDINGS - Attach site map showing	ng sampling poin	t locations, tra	nsects, importa	ant features, etc.	
Hydrophytic Vegetation Present?		Is the Sam	pled Area		
Yes Hydric Soil Present?		within a W	letland?	Yes	
Yes			onal Wetland Si	•	
Wetland Hydrology Present?  Remarks: (Explain alternative procedures here or in	— a separate report				
The wetland is a fresh wet meadow found in a roads			row-leaf cattail	and reed canary grass.	
<b>VEGETATION</b> - Use scientific names of plants.					
	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC: $\frac{2}{}$	(A)
2				Total Number of Dominant 2	
3				Species Across All Strata:	(B)
4				Percent of Dominant Species	
	0	= Total Cover		That Are OBL, FACW, or FAC:	(A/B)
Sapling/Shrub Stratum (Plot Size:)				Prevalence Index worksheet:	
2.				Total % Cover of:  OBL species 45.00	Multiply by: x 1 45
3				FACW species 57.00	
4				FACU species 0.00	x 3 0
5				UPL species 0.00	x 4 <u>0</u>
	0	= Total Cover		Column Totals 102	_ (-,
Herb Stratum (Plot Size: 5 ft )  1 Typha angustifolia	35.00	Yes	OBL	Prevalence Index = B <sub>i</sub> Hydrophytic Vegetation Indicators	
2. Phalaris arundinacea	35.00	Yes	FACW	yes 1 - Rapid Test for Hydropl	
3. Juncus balticus	15.00	No	FACW	yes 2 - Dominance Test is > 50	-
4. Carex buxbaumii	10.00	No	OBL	yes 3 - Prevalence Index is ≤ 3	.0 <sup>1</sup>
5. Agrostis gigantea C. Mentha arvensis	5.00	No	FACW	4 - Morphological Adapta supporting data in Remarks or o	
6. Weiting arvensis 7	2.00	No	FACW	Problematic Hydrophytic Vegetatio	$n^{1}$
8.				(Explain)	
9.				Indicators of hydric soil and wetland hydro	logy must be present,
				unless disturbed or problematic.	
10	103		-		
Woody Vine Stratum (Plot Size:)	102	= Total Cover			
1.					
			-	=	
2	0	- Total Co		1	
10	0	= Total Cover			
% Bare Ground in Herb Stratum 10				Hydrophytic Vegetation	
				Present?	
Remarks:	loof catte:				
The vegetation is dominated by reed canary grass and narrow-	icai Cattdii.				

SOIL Sampling Point: w-149n42...

Depth Matrix (inches) Color (moist)	%					
		Color (moist) %	Type <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks	
<u> </u>						
					2, ., ., .,	
Type: C=Concentration, D=Depletion, RN	M=Reduced Matrix,	MS=Masked Sand Grains.				ore Lining, M=Ma
lydric Soil Indicators:					roblematic Hydric Soil <sup>3</sup> :	
Histosol (A1)		Sandy Gleyed Matrix (S4	1)	_	(A9) ( <b>LRR I, J</b> )	
Histic Epipedon (A2)		Sandy Redox (S5)		Coast Prair	rie Redox (A16)(LRR K, L, R)	
Black Histic (A3)		Stripped Matrix (S6)		☐ Dark Surfa	ce (S7) ( <b>LRR G</b> )	
Hydrogen Sulfide (A4)		Loamy Mucky Mineral (I	F1) (LRR K, L)	High Plains	Depressions (F16)	
Stratified Layers (A5)		Loamy Gleyed Matrix (F	2)	(LRR H outs	side of MLRA 72 & 73)	
1cm Muck (A9) (LRR F, G, H)		Depleted Matrix (F3)		Reduced V	'ertic (F18)	
¬	١	Redox Dark Surface (F6)			t Material (F21)	
Depleted Below Dark Surface (A11)	1				, ,	
Thick Dark Surface (A12)		Depleted Dark Surface (	F7)	_	ow Dark Surface (TF12)	
Sandy Mucky Mineral (S1)		Redox Depressions (F8)		Other (exp	olain in remarks)	
2.5cm Mucky Peat or Peat (S2)(LRR	R G, H)	High Plains Depressions	(F16)	3 Indicators of h	ydrophytic vegetation and	
5cm Mucky Peat or Peat (S3) (LRR I	F)	(MLRA 72 & 73 of LR	R H)		pgy must be present, unless	
				disturbed or pro	blematic.	
estrictive Layer (if present):						
Туре:				V		
Depth (inches):			H	ydric Soil Present? Yes		
		assumed to be nydric based on	the landscape posi	ition and dominant vego	etation.	
IYDROLOGY		assumed to be nyoric based on	the landscape posi	tion and dominant vego	etation.	
HYDROLOGY Vetland Hydrology Indicators:			the landscape posi		etation. Bry Indicators (minimum	of two require
IYDROLOGY Vetland Hydrology Indicators:			the lanuscape posi	<u>Seconda</u>		of two require
IYDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one		eck all that apply)		<u>Seconda</u>	ery Indicators (minimum	
IYDROLOGY  Vetland Hydrology Indicators:  rimary Indicators (minimum of one  Surface Water (A1)		eck all that apply) Salt Crust (B11)	3)	<u>Seconda</u> 	ary Indicators (minimum Surface Soil Cracks (B6)	
IYDROLOGY  Vetland Hydrology Indicators:  rimary Indicators (minimum of one  Surface Water (A1)  High Water Table (A2)		leck all that apply) Salt Crust (B11) Aquatic Invertebrates (B15	3)	Seconda s s	ory Indicators (minimum Surface Soil Cracks (B6) Sparsely Vegetated Concave S	Surface (B8)
IYDROLOGY  Vetland Hydrology Indicators:  rimary Indicators (minimum of one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)		leck all that apply)  Salt Crust (B11)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1	3)	Seconda s s s	ory Indicators (minimum Surface Soil Cracks (B6) Sparsely Vegetated Concave S Drainage Patterns (B10)	Surface (B8)
IYDROLOGY  Vetland Hydrology Indicators:  rimary Indicators (minimum of one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)		seck all that apply) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C	3)	Seconda s s s	ory Indicators (minimum Surface Soil Cracks (B6) Sparsely Vegetated Concave S Drainage Patterns (B10) Oxidized Rhizospheres on Liv	Surface (B8)
IYDROLOGY  Vetland Hydrology Indicators:  rimary Indicators (minimum of one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)  Sediment Deposits (B2)		seck all that apply) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C) Oxidized Rhizospheres on	3) L) (2) Living Roots (C3)	<u>Seconda</u>	ory Indicators (minimum Surface Soil Cracks (B6) Sparsely Vegetated Concave S Drainage Patterns (B10) Oxidized Rhizospheres on Liv where tilled)	Surface (B8) ving Roots (C3)
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