L3R	D DETERMINATIO Marshall		KIVI - Great Pla	-	2015-06-04
Project/Site: City	//County:	Minr	nesota	Sampling Date:	u-156n46w34-c1
Applicant/Owner:		State:		Sampling Point:	
KRG/ACM Investigator(s):	Se	ction, Townsh	nip, Range:		
talf Landform (hillslope, terrace, etc.):			concave, conv	linear l vex, none):	0-2 Slope (%):
Subregion (LRR or MLRA):	4 _ Latitude:	18.2893167	Longit	-96.5442640 ude:	
Minnesota State Plane North, NAD 83 (Datum:	(2011) U.S. feet				
I65A Soil Map Unit Name:				NWI Classificatio	n:
Are climatic/hydrologic conditions on the site typical	for this time of yea	ar? (if no, expl	ain in Remarks)):	Yes
Are Vegetation, Soil, or Hydrology	significantly distu	irbed? Are "N	Jormal Circums	Yes tances" present?	
No No No					
Are Vegetation, Soil, or Hydrology	naturally proplema	tic? (IT heeue	ed, explain any	answers in Remarks)	
SUMMARY OF FINDINGS - Attach site map showin		locations, trai	nsects, importa	ant features, etc.	
Number Nu	0	Is the Samp	pled Area		
Hydric Soil Present?	0	within a W	otland?	No	
, No	0		onal Wetland Si	to וD·	
Wetland Hydrology Present?				<u> </u>	
The upland point is located in an actively grazed past			retation is domi	nated by grasses.	
				nacca 27 B	
VEGETATION - 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:	(A)
2			- 	Total Number of Dominant	
3				2 Species Across All Strata:	(B)
4				Percent of Dominant Species	
	0 =			0	(A/B)
Sapling/Shrub Stratum (Plot Size:)	<u> </u>	lotal Cover		That Are OBL, FACW, or FAC: Prevalence Index worksheet:	(A/ b)
1. Symphoricarpos occidentalis	2.00 N	lo	UPL	Total % Cover of:	Multiply by:
2				OBL species 0.00	x1 0
3				FACW species 4.00	x 2 <u>8</u>
4				FACU species 2.00	x 3 280
5				UPL species 47.00 Column Totals 123	$x_4 \frac{235}{529}$ (b)
Herb Stratum (Plot Size:)	2=	Total Cover		Column Totals <u>123</u> Prevalence Index = B/	(A) $\frac{529}{4.3008130}$ (B)
1. Bromus inermis	45.00 Ye	es	UPL	Hydrophytic Vegetation Indicators	
2. Poa pratensis		es	FACU	1 - Rapid Test for Hydroph	
3. Solidago canadensis	10.00 N	lo	FACU	no 2 - Dominance Test is > 50	%
4. Taraxacum officinale	<u>10.00</u> <u>N</u>	lo	FACU	no 3 - Prevalence Index is ≤ 3	.0 ¹
5. Trifolium repens		lo	FACU	4 - Morphological Adaptat supporting data in Remarks or or	
6. Agrosus gigantea		10	FACW		
8. Carex praegracilis		lo	FAC FACW	Problematic Hydrophytic Vegetation (Explain)	1 [*]
0	2.00			(Explain) Indicators of hydric soil and wetland hydrol	on must be present.
9				unless disturbed or problematic.	
10			. <u> </u>		
	<u>121</u> = -	Total Cover			
Woody Vine Stratum (Plot Size:)					
1				-	
2				-	
	0=	Total Cover			
% Bare Ground in Herb Stratum	-			Hydrophytic	
				Vegetation Present?	
Remarks: Vegetation is dominated by smooth brome and Kentucky blueg	ørass.				
	,1055.				

OIL									Sampling Point: <u>u-156n46</u>
rofile Description	on: (Describe to the	depth n	eeded to do	ocument the	indicat	or or co	nfirm th	e absence of ir	ndicators.)
epth	Matrix			Redox I	eatures				
nches) 13 1	Color (moist) 10YR 2 1	% 100	Color	(moist)	%	Type ¹	Loc ²	Texture LFS	Remarks loamy fine sand
	10YR 4 3	- <u>100</u> 70	 10YR 5 6			·			
					5	<u>C</u>	M	LFS	mixed matrix, loamy fine sand
<u></u>	10YR 2 1	25	- <u> </u>					LFS	mixed matrix, loamy fine sand
=									
	ation, D=Depletion, RM=	Reduced I	- Matrix, MS=M	asked Sand Gr	ains.		_		2Location: PL=Pore Lining, M=Matri
ydric Soil Indicato	ors:							Indicator	s for Problematic Hydric Soil ³ :
Histosol (A1))			Sandy Gleyed	Matrix (S4)		1cn	n Muck (A9) (LRR I, J)
Histic Epiped	don (A2)			Sandy Redox				Coa	st Prairie Redox (A16)(LRR K, L, R)
Black Histic ((A3)			Stripped Mat	rix (S6)			🗌 Darl	< Surface (S7) (LRR G)
Hydrogen Su				Loamy Muck		(F1) (IRR	к I)	_	n Plains Depressions (F16)
- · ·				-			K, L)		
Stratified Lay				Loamy Gleye		(FZ)			H outside of MLRA 72 & 73)
-	A9) (LRR F, G, H)			Depleted Ma	. ,			_	uced Vertic (F18)
Depleted Bel	low Dark Surface (A11)			Redox Dark S				_	Parent Material (F21)
Thick Dark Su	urface (A12)			Depleted Dar	k Surface	(F7)			y Shallow Dark Surface (TF12)
Sandy Mucky	y Mineral (S1)			Redox Depre	ssions (F8	3)		Oth	er (explain in remarks)
2.5cm Muck	y Peat or Peat (S2)(LRR	G, H)		High Plains D	epressior	ns (F16)		³ Indicato	rs of hydrophytic vegetation and
5cm Mucky F	Peat or Peat (S3) (LRR F)			(MLRA 72	& 73 of I	LRR H)		wetland h	aydrology must be present, unless or problematic.
estrictive Layer (if									
	present):								
	present):	I							
Type: Depth (inch emarks:		ut the prof	ile. No hydric	soil indicators	were obs	erved.	F	Hydric Soil Present	? <u>No</u>
Type: Depth (inch emarks: oil consists of a loa	nes):amy fine sand throughou	ut the prof	ile. No hydric	soil indicators	were obs	erved.	•	Hydric Soil Present	? <u>No</u>
Type: Depth (inchr emarks: oil consists of a loa YDROLOGY /etland Hydrolo	amy fine sand throughou				were obs	erved.			
Type: Depth (inchr emarks: oil consists of a loa YDROLOGY /etland Hydrolo rimary Indicato	nes): amy fine sand throughou f ogy Indicators: ors (minimum of one		ed; check al	l that apply)	were obs	erved.	+ 		condary Indicators (minimum of two required
Type: Depth (inch- emarks: Dil consists of a loa YDROLOGY /etland Hydrolo rimary Indicato Surface Wat	amy fine sand throughou f ogy Indicators: ars (minimum of one ter (A1)		ed; check al	l that apply) alt Crust (B11)					condary Indicators (minimum of two required
Type: Depth (inchr emarks: oil consists of a loa YDROLOGY /etland Hydrolo rimary Indicato	amy fine sand throughou f ogy Indicators: ars (minimum of one ter (A1) Table (A2)		<u>ed; check al</u> S A	l that apply)	brates (B	13)	F		condary Indicators (minimum of two required
Type: Depth (inch- emarks: bil consists of a loa YDROLOGY /etland Hydrold rimary Indicato Surface Wat High Water	amy fine sand throughou f ogy Indicators: ars (minimum of one ter (A1) Table (A2) A3)		ed; check al S A H	l that apply) alt Crust (B11) .quatic Inverte	brates (B le Odor (0	13) C1)			condary Indicators (minimum of two required Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)
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