## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:   L3R						
Investigators:   NTT/KRG   Subregion (MLRA or LRR): NW Classification:   Soil Unit:   23A   Landrorn:   Depression   Landrorn:   Depression   Landrorn:   Depression   Landrorn:   Solid Relief: CL   Simple Repair   Solid Relief: CL   Simple Relief: CL   Simple Relief: CL   Solid Relief:						
Soil Unit: Landform:   Depression   Local Relief: CL   Slope (%): 3-7%   Lastuse: 48.413888   Longitude: 96,727413   Datum:   Depression   Depress						
Landform: Depression						
Slope (%): 3 - 7%   Latitude - 48.413888   Longitude - 96.727413   Datural Arc climatic/hydrologic conditions on the site hydral of this time of year? (ire. explain in temasks)   E yes   No.						
Are Vegetation						
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Are Vegletation   Soil R, or Hydrology Daturally problematic?						
SUMMARY OF FINDINGS  Wetland Hydrology Present? Yes  Wetland Hydrology Present? Yes  Wetland Hydrology Present? Yes  Remarks: The wetland is a small sedge meadow within a forested area. This is a backwater area of the Tamarac River that is subject to periodic flooding. The wetland is dominated by Carex retrorsa.  HYDROLOGY  Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):  Primary:  A1 - Surface Water   B11 - Salt Crust   B61 - Surface Soil Cracks   B6 - Surface Soil Cracks						
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Primary  A1 - Surface Water  A2 - High Water Table  A3 - Saturation  B13 - Aquatic Fauna  B1 - Water Marks  C3 - Oxidized Rhizospheres on Living Roots (tilled)  B3 - Surface Soil Cracks  B10 - Drainage Patterns  B10 - Dra						
A1 - Surface Water						
A2 - High Water Table						
## A3 - Saturation ## C1 - Hydrogen Sulfide Odor ## B10 - Drainage Patterns ## B1 - Water Marks ## C2 - Dry Season Water Table ## C3 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## B3 - Drift Deposits ## C3 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C3 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C3 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C3 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C3 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C3 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Presence of Reduced from ## C3 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Presence of Reduced from ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Presence of Reduced from ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Presence of Reduced from ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Presence of Reduced from ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C8 - Crayfish Burrows ## C4 - Oxidized Rhizospheres on Living Roots (not tillk ## C4 - Oxidized Rhizospheres on L						
B1 - Water Marks						
B3 - Drift Deposits						
B4 - Algal Mat or Crust B5 - Iron Deposits B7 - Inundation Visible on Aerial Imagery B9 - Water-Stained Leaves  Field Observations: Surface Water Present? Yes Depth: Saturation Present? Yes Depth: Saturation Present? Yes Depth: Saturation Present? Yes Depth: Saturation Present? Yes Depth: Source Water Algal Mat or Crust Depth: Saturation Present? Yes Depth: Saturation P						
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Surface Water Present? Yes						
Surface Water Present? Yes						
Water Table Present? Yes Depth: 6 (in.) Saturation Present? Yes Depth: 0 (in.)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Remarks: The wetland is saturated at the surface with a water table at six inches.  SOILS  Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.)  (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix)  Depth (In.) Color (Moist) % Type Location Texture Remarks  0-12 Hue_10YR 3/2 100 CL						
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0-12 Hue_10YR 3/2 100 CL						
NRCS Hydric Soil Field Indicators (check here if indicators are not present):						
Indicators for Problematic Soils <sup>1</sup>						
□ A1- Histosol □ S5 - Sandy Redox □ A9 - 1 cm Muck (LRR I, J)						
□ A2 - Histic Epipedon □ S6 - Stripped Matrix □ A16 - Coast Prairie Redox (LRR F, G, H)						
A3 - Black Histic   F1 - Loamy Mucky Mineral   S7 - Dark Surface (LRR G)						
□ A4 - Hydrogen Sulfide □ F2 - Loamy Gleyed Matrix □ F16 - High Plains Depressions (LRR H, outside MLRA 72, 73)						
□ A5 - Stratified Layers (LRR F) □ F3 - Depleted Matrix □ F18 - Reduced Vertic □ A9 - 1 cm Muck (LRR FGH) □ F6 - Redox Dark Surface □ TF2 - Red Parent Material						
□ A11 - Depleted Below Dark Surface □ F7 - Depleted Dark Surface □ TF12 - Very Shallow Dark Surface						
□ A12 - Thick Dark Surface □ F8 - Redox Depressions □ Other (Explain in Remarks)						
— 7.12 Thior bark candoo — — To Rodor Depressions — — — Other (Explain in Remarks)						
□ S1 - Sandy Mucky Mineral □ F16 - High Plains Depressions (MLRA 72, 73 of LRR H)						
□ S1 - Sandy Mucky Mineral □ F16 - High Plains Depressions (MLRA 72, 73 of LRR H) □ S2 - 2.5 cm Mucky Peat or Peat (LRR G, H)						
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-157n47w16-a1		
					•		
VEGETATIO	N (Species identified in all uppercase are	e non-native	species.)				
Tree Stratum (	(Plot size: 30 ft. radius)						
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet		
1.							
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)		
3.							
4.					Total Number of Dominant Species Across All Strata:(B)		
5.							
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)		
7.							
8.					Prevalence Index Worksheet		
9.					Total % Cover of: Multiply by:		
10.					OBL spp. 50 x 1 = 50		
	Total Cover =	0	_		FACW spp. $\underline{\hspace{1cm}}$ 15 $\underline{\hspace{1cm}}$ $X 2 = \underline{\hspace{1cm}}$ 30		
					OBL spp. 50		
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $\underline{\qquad}$ $x = \underline{\qquad}$		
1.					UPL spp. $0   x   5 = 0$		
2.							
3.					Total 65 (A) 80 (B)		
4.							
5.					Prevalence Index = B/A = 1.231		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.					X Dominance Test is > 50%		
	Total Cover =	0			X Prevalence Index is ≤ 3.0 *		
	•		_		Morphological Adaptations (Explain) *		
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Carex retrorsa	50	Υ	OBL			
2.	Phalaris arundinacea	15	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be		
3.			·	171011	present, unless disturbed or problematic.		
4.					Definitions of Vegetation Strata:		
5.							
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast		
7.					height (DBH), regardless of height.		
8.					1		
9.	J.				Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.		
10.							
11.					-		
12.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.					- Tierb - via via sauce as (via via sauce), prainte, regardines et elles		
14.					-		
15.					Woody Vines - All woody vines, regardless of height.		
15.	Total Cavar	05			- Woody Villes - All Woody Villes, regardless of Height.		
	Total Cover =	65	_				
Woody Vine Stratum (Plot size: 30 ft_radius)							
Woody Vine Stratum (Plot size: 30 ft. radius)							
1.							
2.					Hardwards Variation Brasses V		
3.					Hydrophytic Vegetation Present?Y		
5.							
4.	T 1 1 0						
	Total Cover =	0	Lan				
Remarks:	The wetland vegetation is dominated by Care	ex retrorsa.	Large are	eas within	n the wetland are bare because of previously standing water.		
Additional Remarks:							
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