## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Secondary Committee
Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° buberglon (LRR or MLRA): LRR K Lat: 46 46.7373 Long:: 94 275.993 Datum: NAD 83 old Map Unit Name: W NWT classification: LIUBH reclimation of the site typical for this time of year? Yes ♥ No ◯ (If no, explain in Remarks.)  re Vegetation │ , Soil │ , or Hydrology │ significantly disturbed? Are "Normal Circumstances" present? Yes ♥ No ◯ Wrophytic Vegetation │ , Soil │ , or Hydrology │ naturally problematic? (If needed, explain any answers in Remarks.)  **Lummary of Findings - Attach site map showing sampling point locations, transects, important features, etc Vegreptatic Vegetation Present? Yes ♥ No ◯
Line
New Classification:   Liu
re climatic/hydrologic conditions on the site typical for this time of year? Yes NO Iff no, explain in Remarks.)  re Vegetation
Are "Normal Circumstances" present? Yes  No
re Vegetation
re Vegetation
Aughrophytic Vegetation Present? Yes No Secondary Indicators: Vest No Secondary Indicators (minimum of 2 required).    Secondary Indicators:   Seconda
Aydric Soil Present?  Wetland Hydrology Present?  Wetland Hydrology Present?  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required: check all that apply)  Wetland Hydrology Indicators:  Water-Staled Leaves (99)  Water-Staled Leaves (99)  Water-Staled Leaves (99)  Water Alba (A2)  Water-Staled Leaves (99)  Water Marks (B1)  Drift deposits (B2)  Drift deposits (B3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Titled Soils (C6)  Algal Mar or Crust (B4)  Recent Iron Reduction in Titled Soils (C6)  In Inducks Surface (C7)  In Inducks Surface (C7)  In Inducks Surface (C7)  In Inducks Surface (C7)  Suddived Rhissopheres  Water Table Present?  Yes No  Depth (inches):  Depth (inches):  O Wetland Hydrology Present?  Yes No
within a Wetland?  Wetland Hydrology Present?  Remarks: (Explain alternative procedures here or in a separate report.)    Ves
No
Secondary Indicators (minimum of 2 required)   Primary Indicators (minimum of 2 required)   Primary Indicators (minimum of one required; check all that apply)   Surface Soil Cracks (86)   Surface Soil Cracks (86)   Primary Indicators (minimum of 2 required)   Surface Soil Cracks (86)   Surface Soil Cracks (86)   Primary Indicators (minimum of 2 required)   Primary Ended Soil Cracks (86)   Primary Ended Soil Cracks (810)   Moss Trim Lines (816)   Pro Soason Water Table (C2)   Maril Deposits (815)   Dry Soason Water Table (C2)   Maril Deposits (82)   Oxidized Rhizospheres along Living Roots (C3)   Saturation Visible on Aerial Imagery (C9)   Stunted or Stressed Plants (D1)   Saturation Visible on Aerial Imagery (C9)   Induction Intilied Soils (C6)   Geomorphic Position (D2)   Induction Intilied Soils (C6)   Microtopographic Relief (D4)   Shallow Aquitard (D3)   Induction Visible on Aerial Imagery (B7)   Other (Explain in Remarks)   Microtopographic Relief (D4)   FAC-neutral Test (D5)   Fed Observations:  Surface Water Present? Yes  No Depth (inches): 0   Wetland Hydrology Present? Yes No Depth (inches): 0   Wetland Hydrology Present? Yes No Depth (inches): 0   No Depth (
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1)  Water-Stained Leaves (B9)  Pligh Water Table (A2)  Aquatic Fauna (B13)  Mars Deposits (B15)  Water Marks (B1)  Presence of Reduced Iron (C4)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Iron Deposits (B5)  Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Water Table (Present?  Yes No  Depth (inches):  Saturation Present?  Yes No  Depth (inches):  Oescribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  Secondary Indicators (minimum of 2 required)  Surface Soil Cracks (B6)  Drainage Patterns (B10)  Mars Deposits (B10)  Drainage Patterns (B10)  Moss Trim Lines (B16)  Dry Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  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 No  Depth (inches):  Oescribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
✓ Surface Water (A1)       Water-Stained Leaves (B9)       Drainage Patterns (B10)         ✓ High Water Table (A2)       ✓ Aquatic Fauna (B13)       Moss Trim Lines (B16)         ✓ Saturation (A3)       Marl Deposits (B15)       Dry Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres along Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       Page No       Depth (inches):
✓ High Water Table (A2)       ✓ Aquatic Fauna (B13)       Moss Trim Lines (B16)         ✓ Saturation (A3)       Marl Deposits (B15)       Dry Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres along Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       Depth (inches):       Wetland Hydrology Present?         Water Table Present?       Yes No Depth (inches):       Wetland Hydrology Present?         Water Table Present?       Yes No Depth (inches):       Wetland Hydrology Present?         Ves No Depth (inches):       O         Wetland Hydrology Present?       Yes No O         Obsecribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
✓ Saturation (A3)       Marl Deposits (B15)       Dry Season Water Table (C2)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Crayfish Burrows (C8)         Sediment Deposits (B2)       Oxidized Rhizospheres along Living Roots (C3)       Saturation Visible on Aerial Imagery (C9)         Drift deposits (B3)       Presence of Reduced Iron (C4)       Stunted or Stressed Plants (D1)         Algal Mat or Crust (B4)       Recent Iron Reduction in Tilled Soils (C6)       Geomorphic Position (D2)         Iron Deposits (B5)       Thin Muck Surface (C7)       Shallow Aquitard (D3)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Microtopographic Relief (D4)         Sparsely Vegetated Concave Surface (B8)       V FAC-neutral Test (D5)     Field Observations:  Surface Water Present?  Yes No Depth (inches): 0  Wetland Hydrology Present?  Yes No Depth (inches): 0  Wetland Hydrology Present?  Yes No Depth (inches): 0  Depth (inches): 0  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water Marks (B1)
Sediment Deposits (B2)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8)  Field Observations: Surface Water Present? Yes No Depth (inches): 6 Water Table Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0 Depth (inches): 0 Depth (inches): 0 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
□ Iron Deposits (B5) □ Thin Muck Surface (C7) □ Shallow Aquitard (D3) □ Inundation Visible on Aerial Imagery (B7) □ Other (Explain in Remarks) □ Microtopographic Relief (D4) □ FAC-neutral Test (D5)  Field Observations:  Surface Water Present? Yes ○ No ○ Depth (inches): □ 0 Wetland Hydrology Present? Yes ○ No ○ Depth (inches): □ 0 Wetland Hydrology Present? Yes ○ No ○ Depth (inches): □ 0 Wetland Hydrology Present? Yes ○ No ○ Depth (inches): □ 0 Wetland Hydrology Present? Yes ○ No ○ Depth (inches): □ 0
Inundation Visible on Aerial Imagery (B7)  Sparsely Vegetated Concave Surface (B8)  Other (Explain in Remarks)  Microtopographic Relief (D4)  FAC-neutral Test (D5)  Field Observations:  Surface Water Present?  Water Table Present?  Yes No Depth (inches):  Saturation Present?  Yes No Depth (inches):  Saturation Present?  Yes No Depth (inches):  Depth (inches):  Depth (inches):  Output (inches):  Depth (inches):  Output (inches):  Depth (inches):  Output (inch
Sparsely Vegetated Concave Surface (B8)  FAC-neutral Test (D5)  Field Observations:  Surface Water Present? Yes No Depth (inches): 6 Water Table Present? Yes No Depth (inches): 0 Saturation Present?  Yes No Depth (inches): 0 Depth (inches): 0 Depth (inches): 0 Depth (inches): 0 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Field Observations:  Surface Water Present? Yes No Depth (inches): 6  Water Table Present? Yes No Depth (inches): 0  Saturation Present? Yes No Depth (inches): 0  Wetland Hydrology Present? Yes No Depth (inches): 0  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Surface Water Present? Yes No Depth (inches): 6 Water Table Present? Yes No Depth (inches): 0 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water Table Present?  Yes No Depth (inches): 0  Saturation Present? (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Saturation Present?  Yes No Depth (inches): 0  Wetland Hydrology Present? Yes No Depth (inches): 0  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
(includes capillary fringe)  Yes No Depth (inches):  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
demarks:
demarks:

## **VEGETATION - Use scientific names of plants**

VEGETATION - USE Scientific fiames of pia	Sampling Point: w-138n30w10-ab1			
(0) (1) (2)	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30	% Cover	Species?	Status	Number of Dominant Species
1	0			That are OBL, FACW, or FAC:3 (A)
2	0			Total Number of Dominant
3	0			Species Across All Strata: 3 (B)
4	0			
5				Percent of dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		= Total Cove		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15 )				0BL speci es 30 x 1 = 30
1 Alnus incana		<b>✓</b>	FACW	FACW species 30 x 2 = 60
2	0			FAC species x 3 =
3	0			<u> </u>
4				FACU species $0 \times 4 = 0$
5			-	UPL speci es $0 \times 5 = 0$
6				Column Totals: 60 (A) 90 (B)
7				Prevalence Index = B/A = 1.500
		= Total Cove		
Herb Stratum (Plot size: 5 )		2010		Hydrophytic Vegetation Indicators:
1. Carex lacustris	20	<b>✓</b>	OBL	✓ Rapid Test for Hydrophytic Vegetation
2. Scirpus atrovirens		<u> </u>	OBL	✓ Dominance Test is > 50%
3				✓ Prevalence Index is ≤3.0 <sup>1</sup>
4				Morphological Adaptations <sup>1</sup> (Provide supporting
				data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
6				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
7				be present, unless disturbed or problematic.
8				Definitions of Vegetation Strata:
9				Definitions of Vegetation Strata.
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
1	0			at breast height (DBH), regardless of height.
12	0			Sapling/shrub - Woody plants less than 3 in. DBH and
(5)	30 =	= Total Cove	r	greater than 3.28 ft (1m) tall
Woody Vine Stratum (Plot size: 30				
1				Herb - All herbaceous (non-woody) plants, regardless of
2				size, and woody plants less than 3.28 ft tall.
3				Woody vine - All woody vines greater than 3.28 ft in
4	0			height.
	0 =	= Total Cove	r	
	<del></del>			
				Hydrophytic
				Vegetation   Yes • No O
Pamarker (Include photo numbers have as an a consumts of	neet )			
Remarks: (Include photo numbers here or on a separate sh	icel.)			

<sup>\*</sup>Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: w-138n30w10-ab1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth							_				
(inches)	Color (r				moist)	%_	Type <sup>1</sup>		Texture	Remarks	
<u>0-7</u>	10YR	3/2	90	10YR	4/4	10	C		Sand		
7-20	10YR	3/3	90	10YR	4/4	10	C	M	Fine Sand		
			-		-	-		-	•		
		-	_	-	-						
		-			-						
		-	-	-							
			-	-							
1 Type: C=Concent	tration D	-Denletio	n RM-Rec	uced Matrix	CS=Cover	ed or Coat	ed Sand Gr	ains 21 oca	ation: PL=Pore Lining. M=I	Matrix	
Hydric Soil Indi		-Беріспо	III. KWI—KCC	acca matrix,	03-00761	cu or cour	cu sana oi	diris Locc			
Histosol (A1)				Poly	value Relo	w Surface	(S8) (LRR	R		lematic Hydric Soils: 3	
Histic Epipede					A 149B)	w Surface	(30) (ERIC	10,		(LRR K, L, MLRA 149B)	
Black Histic (				Thin	Dark Surf	ace (S9) (	(LRR R, MLI	RA 149B)		ox (A16) (LRR K, L, R)	
Hydrogen Sul				Loar	ny Mucky I	Mineral (F	1) LRR K, L	)		or Peat (S3) (LRR K, L, R)	
Stratified Lay	ers (A5)				ny Gleyed		2)		Dark Surface (S7	Surface (S8) (LRR K, L)	
Depleted Belo	ow Dark S	urface (A	11)		eted Matri				_	e (S9) (LRR K, L)	
Thick Dark Su	urface (A1	2)		_	ox Dark Su					Masses (F12) (LRR K, L, R)	
Sandy Muck I	Mineral (S	1)			eted Dark		7)			ain Soils (F19) (MLRA 149B)	
Sandy Gleyed		64)		∟ Red	ox Depress	sions (F8)				6) (MLRA 144A, 145, 149B)	
Sandy Redox									Red Parent Mater		
Stripped Matr									Very Shallow Dark Surface (TF12)		
☐ Dark Surface	(S7) (LRR	R R, MLRA	\ 149B)						Other (Explain in	Remarks)	
<sup>3</sup> Indicators of hy	drophytic	vegetatio	n and wetla	and hydrology	must be	oresent, ui	nless distur	bed or probl	ematic.		
Restrictive Laye	er (if obse	erved):									
Туре:											
Depth (inches)	s):								Hydric Soil Present?	Yes ● No ○	
Remarks:											
ı											
1											
1											