

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 31-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T205_05
 Investigator(s): SLI, EAC Landform (hillside, terrace, hummocks etc.): Flat
 Local relief (concave, convex, none): tussocks Slope: % / 0.5 ° Elevation: 701
 Subregion: Interior Alaska Mountains Lat.: 63.3686149116 Long.: -148.798719405 Datum: NAD83
 Soil Map Unit Name: _____ **NWI classification: PEM1F**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Hydric Soil Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: wet sedge bog	

VEGETATION -Use scientific names of plants. List all species in the plot.

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
1. _____	0	<input type="checkbox"/>	_____	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover:		0		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>38.1</u> x 1 = <u>38.1</u> FACW Species <u>5</u> x 2 = <u>10</u> FAC Species <u>1</u> x 3 = <u>3</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>44.1</u> (A) <u>51.1</u> (B) Prevalence Index = B/A = <u>1.159</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>				
1. <u>Andromeda polifolia (IAM)</u>	0.1	<input type="checkbox"/>	OBL	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
6. _____	0	<input type="checkbox"/>	_____	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		0.1		
Herb Stratum 50% of Total Cover: <u>0.05</u> 20% of Total Cover: <u>0.02</u>				
1. <u>Trichophorum caespitosum</u>	15	<input checked="" type="checkbox"/>	OBL	
2. <u>Carex rariflora</u>	5	<input checked="" type="checkbox"/>	OBL	
3. <u>Carex limosa</u>	5	<input checked="" type="checkbox"/>	OBL	
4. <u>Carex atrofusca</u>	5	<input checked="" type="checkbox"/>	FACW	
5. <u>Carex aquatilis</u>	5	<input checked="" type="checkbox"/>	OBL	
6. <u>Carex livida</u>	5	<input checked="" type="checkbox"/>	OBL	
7. <u>Eriophorum angustifolium</u>	1	<input type="checkbox"/>	OBL	
8. <u>Eriophorum scheuchzeri</u>	1	<input type="checkbox"/>	OBL	
9. <u>Tofieldia pusilla</u>	1	<input type="checkbox"/>	FAC	
10. <u>Carex rotundata</u>	1	<input type="checkbox"/>	OBL	
Total Cover:		44		
50% of Total Cover:		22	20% of Total Cover: <u>8.8</u>	

Hydrophytic Vegetation Indicators:
 Dominance Test is > 50%
 Prevalence Index is ≤ 3.0
 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Plot size (radius, or length x width) 10m
 % Cover of Wetland Bryophytes (Where applicable) _____
 % Bare Ground _____
 Total Cover of Bryophytes _____

Hydrophytic Vegetation Present? Yes No

Remarks: 1% utricularia vulgarisf, 1% carex glacialis. total shrub cover <5%, thus no shrub species dominant.

