

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 01-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T145_04
 Investigator(s): SLI, EAC Landform (hillside, terrace, hummocks etc.): Swale
 Local relief (concave, convex, none): concave Slope: % / 1.8 ° Elevation: 721
 Subregion: Interior Alaska Mountains Lat.: 63.3990112539 Long.: -148.658578277 Datum: NAD83
 Soil Map Unit Name: _____ NWI classification: PSS1/EM1E

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: lowland swale connecting various lakes/ponds.	

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>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</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: <u>0</u>				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>28.1</u> x 1 = <u>28.1</u> FACW Species <u>45.1</u> x 2 = <u>90.2</u> FAC Species <u>23</u> x 3 = <u>69</u> FACU Species <u>0.1</u> x 4 = <u>0.400</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>96.3</u> (A) <u>187.7</u> (B) Prevalence Index = B/A = <u>1.949</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>				
1. <u>Salix pulchra</u>	40	<input checked="" type="checkbox"/>	FACW	
2. <u>Betula glandulosa</u>	3	<input type="checkbox"/>	FAC	
3. <u>Salix richardsonii</u>	5	<input type="checkbox"/>	FACW	
4. <u>Salix barclayi</u>	5	<input type="checkbox"/>	FAC	
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: <u>53</u>				
Herb Stratum 50% of Total Cover: <u>26.5</u> 20% of Total Cover: <u>10.6</u>				
1. <u>Calamagrostis canadensis</u>	15	<input checked="" type="checkbox"/>	FAC	
2. <u>Carex aquatilis</u>	25	<input checked="" type="checkbox"/>	OBL	
3. <u>Comarum palustre</u>	3	<input type="checkbox"/>	OBL	
4. <u>Parnassia palustris</u>	0.1	<input type="checkbox"/>	FACW	
5. <u>Chamaenerion angustifolium</u>	0.1	<input type="checkbox"/>	FACU	
6. <u>Hippuris vulgaris</u>	0.1	<input type="checkbox"/>	OBL	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>43.3</u>				
50% of Total Cover: <u>21.65</u> 20% of Total Cover: <u>8.66</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 75
 Total Cover of Bryophytes 20

Hydrophytic Vegetation Present? Yes No

Remarks: small scattered hummocks w herbaceous veg, but overall the site is flooded w graminoid/shrub vegetation. bare ground includes open water.

