

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 01-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T143_10
 Investigator(s): WAD, RWM Landform (hillside, terrace, hummocks etc.): peat mound
 Local relief (concave, convex, none): hummocky Slope: 0.0 % / 0.0 ° Elevation: 1088
 Subregion: Interior Alaska Mountains Lat.: 63.224430799 Long.: -148.244246125 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: Upland

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 type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: <u>peat mound surrounded by fresh sedge marsh and open water.</u>	

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

<u>Tree Stratum</u>	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	0	<input type="checkbox"/>	_____	Number of Dominant Species That are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
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>0</u> x 1 = <u>0</u> FACW Species <u>59</u> x 2 = <u>118</u> FAC Species <u>59</u> x 3 = <u>177</u> FACU Species <u>5</u> x 4 = <u>20</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>123</u> (A) <u>315</u> (B) Prevalence Index = B/A = <u>2.561</u>
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		
1. <u>Ledum decumbens</u>	55	<input checked="" type="checkbox"/>	FACW	
2. <u>Spiraea stevenii</u>	5	<input type="checkbox"/>	FACU	
3. <u>Betula nana</u>	35	<input checked="" type="checkbox"/>	FAC	
4. <u>Vaccinium vitis-idaea</u>	5	<input type="checkbox"/>	FAC	
5. <u>Vaccinium uliginosum</u>	10	<input type="checkbox"/>	FAC	
6. <u>Empetrum nigrum</u>	5	<input type="checkbox"/>	FAC	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>115</u>				
Herb Stratum	50% of Total Cover: <u>57.5</u>	20% of Total Cover: <u>23</u>		
1. <u>Eriophorum vaginatum</u>	1	<input type="checkbox"/>	FACW	
2. <u>Carex bigelowii</u>	4	<input checked="" type="checkbox"/>	FAC	
3. <u>Rubus chamaemorus</u>	3	<input checked="" type="checkbox"/>	FACW	
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: <u>8</u>				
50% of Total Cover: <u>4</u>	20% of Total Cover: <u>1.6</u>			
Remarks: _____				Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) <small>¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</small>
Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground _____ Total Cover of Bryophytes _____				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>

