

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 08-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T169_02
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): lacustrine fringe
 Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° Elevation: 829
 Subregion: Interior Alaska Mountains Lat.: 63.4179416578 Long.: -148.645555973 Datum: WGS84
 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: <u>fringe around entire pubh, floating matt</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>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</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>23.1</u> x 1 = <u>23.1</u> FACW Species <u>0</u> x 2 = <u>0</u> FAC Species <u>2</u> x 3 = <u>6</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>25.1</u> (A) <u>29.10</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>Vaccinium uliginosum</u>	1	<input checked="" type="checkbox"/>	FAC	
2. <u>Andromeda polifolia (IAM)</u>	1	<input checked="" type="checkbox"/>	OBL	
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:			<u>2</u>	
Herb Stratum	50% of Total Cover: <u>1</u>	20% of Total Cover: <u>0.4</u>		
1. <u>Trichophorum caespitosum</u>	6	<input checked="" type="checkbox"/>	OBL	
2. <u>Carex aquatilis</u>	7	<input checked="" type="checkbox"/>	OBL	
3. <u>Eriophorum angustifolium</u>	5	<input checked="" type="checkbox"/>	OBL	
4. <u>Menyanthes trifoliata</u>	2	<input type="checkbox"/>	OBL	
5. <u>Eriophorum scheuchzeri</u>	2	<input type="checkbox"/>	OBL	
6. <u>Equisetum arvense</u>	1	<input type="checkbox"/>	FAC	
7. <u>Carex limosa</u>	0.1	<input type="checkbox"/>	OBL	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:			<u>23.1</u>	
50% of Total Cover:			<u>11.55</u>	
20% of Total Cover:			<u>4.62</u>	
Remarks: <u>wet bryophytes scosco, sphag trace bog cranberry</u>				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)
Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) <u>15</u> % Bare Ground <u>20</u> Total Cover of Bryophytes <u>20</u>				
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>				

