

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 04-Aug-12  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12\_T99\_01  
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Shoreline  
 Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° Elevation: 576  
 Subregion: Southcentral Alaska Lat.: 62.6822565782 Long.: -148.936819973 Datum: WGS84  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: **PEM1H**

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"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: characterizing emergent fringe on Stephan Lake. point at edge of community due to water depth. Cannot code as Cowardin lacustrine as dominated by persistent emergent veg.	

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

	Absolute % Cover	Dominant Species?	Indicator Status		
<b>Tree Stratum</b>					
1. _____	0	<input type="checkbox"/>	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</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"/>	_____		
<b>Total Cover:</b>		0		<b>Prevalence Index worksheet:</b> Total % Cover of: Multiply by: OBL Species <u>72</u> x 1 = <u>72</u> FACW Species <u>0</u> x 2 = <u>0</u> FAC Species <u>0</u> x 3 = <u>0</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>72</u> (A) <u>72</u> (B) Prevalence Index = B/A = <u>1.000</u>	
<b>Sapling/Shrub Stratum</b>					
50% of Total Cover:	0	20% of Total Cover:	0		
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"/>	_____		
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"/>	_____		
<b>Total Cover:</b>		0			
<b>Herb Stratum</b>					
50% of Total Cover:	0	20% of Total Cover:	0		
1. <u>Ranunculus hyperboreus</u>	2	<input type="checkbox"/>	OBL		
2. <u>Carex aquatilis</u>	30	<input checked="" type="checkbox"/>	OBL		
3. <u>Comarum palustre</u>	10	<input type="checkbox"/>	OBL		
4. <u>Equisetum fluviatile</u>	30	<input checked="" type="checkbox"/>	OBL		
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"/>	_____		
<b>Total Cover:</b>		72			
50% of Total Cover:	36	20% of Total Cover:	14.4		
<b>Hydrophytic Vegetation Indicators:</b> <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)					
<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.					
Plot size (radius, or length x width) <u>2m x 5m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground _____ Total Cover of Bryophytes _____					
<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>					

Remarks:

