

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 02-Aug-13  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13\_T149\_06  
 Investigator(s): SLI, EAC Landform (hillside, terrace, hummocks etc.): Hillside  
 Local relief (concave, convex, none): undulating Slope: 36.3 % / 20.0 ° Elevation: 705  
 Subregion: Interior Alaska Mountains Lat.: 63.381557941 Long.: -148.480063319 Datum: WGS84  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: PSS1C

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: <u>stoa. PSS1C?</u>	

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

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>Picea glauca</u>	<u>3</u>	<input checked="" type="checkbox"/>	FACU	Number of Dominant Species That are OBL, FACW, or FAC: <u>3</u> (A)
2. _____	<u>0</u>	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
3. _____	<u>0</u>	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>75.0%</u> (A/B)
4. _____	<u>0</u>	<input type="checkbox"/>	_____	
5. _____	<u>0</u>	<input type="checkbox"/>	_____	
<b>Total Cover:</b> <u>3</u>				
<b>Sapling/Shrub Stratum</b>	50% of Total Cover: <u>1.5</u>	20% of Total Cover: <u>0.6</u>		<b>Prevalence Index worksheet:</b>
1. <u>Alnus viridis</u>	<u>90</u>	<input checked="" type="checkbox"/>	FAC	Total % Cover of: Multiply by:
2. <u>Spiraea stevenii</u>	<u>3</u>	<input type="checkbox"/>	FACU	OBL Species <u>0</u> x 1 = <u>0</u>
3. <u>Salix pulchra</u>	<u>30</u>	<input checked="" type="checkbox"/>	FACW	FACW Species <u>36</u> x 2 = <u>72</u>
4. <u>Ribes triste</u>	<u>1</u>	<input type="checkbox"/>	FAC	FAC Species <u>93</u> x 3 = <u>279</u>
5. <u>Linnaea borealis</u>	<u>0.1</u>	<input type="checkbox"/>	FACU	FACU Species <u>7.1</u> x 4 = <u>28.4</u>
6. _____	<u>0</u>	<input type="checkbox"/>	_____	UPL Species <u>0</u> x 5 = <u>0</u>
7. _____	<u>0</u>	<input type="checkbox"/>	_____	Column Totals: <u>136.1</u> (A) <u>379.4</u> (B)
8. _____	<u>0</u>	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>2.788</u>
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
<b>Total Cover:</b> <u>124</u>				<b>Hydrophytic Vegetation Indicators:</b>
<b>Herb Stratum</b>	50% of Total Cover: <u>62.05</u>	20% of Total Cover: <u>24.82</u>		<input checked="" type="checkbox"/> Dominance Test is > 50%
1. <u>Saxifraga nelsoniana</u>	<u>1</u>	<input type="checkbox"/>	FAC	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Arctagrostis latifolia</u>	<u>5</u>	<input checked="" type="checkbox"/>	FACW	<input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
3. <u>Petasites frigidus</u>	<u>1</u>	<input type="checkbox"/>	FACW	<input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
4. <u>Spinulum annotinum</u>	<u>1</u>	<input type="checkbox"/>	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. <u>Polemonium acutiflorum</u>	<u>1</u>	<input type="checkbox"/>	FAC	Plot size (radius, or length x width) <u>2m x 5m</u>
6. _____	<u>0</u>	<input type="checkbox"/>	_____	% Cover of Wetland Bryophytes (Where applicable) _____
7. _____	<u>0</u>	<input type="checkbox"/>	_____	% Bare Ground <u>80</u>
8. _____	<u>0</u>	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>15</u>
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
<b>Total Cover:</b> <u>9</u>				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>4.5</u>	20% of Total Cover: <u>1.8</u>			
Remarks: _____				

