

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 05-Aug-13  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13\_T113\_01  
 Investigator(s): WAD, RWM Landform (hillside, terrace, hummocks etc.): knoll  
 Local relief (concave, convex, none): convex Slope: % / 1.3 ° Elevation: 125  
 Subregion: Interior Alaska Mountains Lat.: 62.774219394 Long.: -147.662878632 Datum: NAD83  
 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"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: knoll on ridgeline, vegetated talus deposit. no significant lichen cover.	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b>				<b>Dominance Test worksheet:</b> Number of Dominant Species That are OBL, FACW, or FAC: <u>3</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>75.0%</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"/>	_____	
<b>Total Cover:</b> <u>0</u>				<b>Prevalence Index worksheet:</b> Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>15</u> x 2 = <u>30</u> FAC Species <u>71</u> x 3 = <u>213</u> FACU Species <u>19</u> x 4 = <u>76</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>105</u> (A) <u>319</u> (B) Prevalence Index = B/A = <u>3.038</u>
<b>Sapling/Shrub Stratum</b> 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>				
1. <u>Vaccinium uliginosum</u>	35	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium vitis-idaea</u>	10	<input type="checkbox"/>	FAC	
3. <u>Rhododendron tomentosum</u>	10	<input type="checkbox"/>	FACW	
4. <u>Salix pulchra</u>	5	<input type="checkbox"/>	FACW	
5. <u>Empetrum nigrum</u>	15	<input checked="" type="checkbox"/>	FAC	
6. <u>Betula nana</u>	5	<input type="checkbox"/>	FAC	
7. <u>Cassiope tetragona</u>	10	<input type="checkbox"/>	FACU	
8. <u>Loiseleuria procumbens</u>	5	<input type="checkbox"/>	FACU	
9. <u>Picea glauca</u>	1	<input type="checkbox"/>	FACU	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b> <u>96</u>				
<b>Herb Stratum</b> 50% of Total Cover: <u>48</u> 20% of Total Cover: <u>19.2</u>				
1. <u>Calamagrostis canadensis</u>	1	<input type="checkbox"/>	FAC	
2. <u>Anthoxanthum monticola ssp. alpinum</u>	3	<input checked="" type="checkbox"/>	UPL	
3. <u>Carex bigelowii</u>	5	<input checked="" type="checkbox"/>	FAC	
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> <u>9</u>				
50% of Total Cover: <u>4.5</u> 20% of Total Cover: <u>1.8</u>				
<b>Hydrophytic Vegetation Indicators:</b> <input checked="" type="checkbox"/> Dominance Test is > 50% <input 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>10m</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:				

