

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 19-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T327_07
 Investigator(s): GVF Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): hummocky Slope: 7.0 % / 4.0 ° Elevation: _____
 Subregion: Cook Inlet Mountains Lat.: _____ Long.: _____ 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:	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>3</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>60.0%</u> (A/B)
1. <u>Picea glauca</u>	<u>10</u>	<input checked="" type="checkbox"/>	FACU	
2. _____	<u>0</u>	<input type="checkbox"/>	_____	
3. _____	<u>0</u>	<input type="checkbox"/>	_____	
4. _____	<u>0</u>	<input type="checkbox"/>	_____	
5. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>10</u>		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>7</u> x 2 = <u>14</u> FAC Species <u>101.2</u> x 3 = <u>303.6</u> FACU Species <u>42</u> x 4 = <u>168</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>150.2</u> (A) <u>485.6</u> (B) Prevalence Index = B/A = <u>3.233</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>5</u> 20% of Total Cover: <u>2</u>				
1. <u>Empetrum nigrum</u>	<u>50</u>	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium uliginosum</u>	<u>40</u>	<input checked="" type="checkbox"/>	FAC	
3. <u>Spiraea stevenii</u>	<u>7</u>	<input type="checkbox"/>	FACU	
4. <u>Salix barclayi</u>	<u>3</u>	<input type="checkbox"/>	FAC	
5. <u>Linnaea borealis</u>	<u>1</u>	<input type="checkbox"/>	FACU	
6. <u>Vaccinium vitis-idaea</u>	<u>0.1</u>	<input type="checkbox"/>	FAC	
7. _____	<u>0</u>	<input type="checkbox"/>	_____	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>101</u>		Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Herb Stratum 50% of Total Cover: <u>50.55</u> 20% of Total Cover: <u>20.22</u>				
1. <u>Cornus canadensis</u>	<u>15</u>	<input checked="" type="checkbox"/>	FACU	
2. <u>Sanguisorba canadensis</u>	<u>7</u>	<input checked="" type="checkbox"/>	FACW	
3. <u>Rubus arcticus</u>	<u>3</u>	<input type="checkbox"/>	FAC	
4. <u>Rubus pedatus</u>	<u>3</u>	<input type="checkbox"/>	FAC	
5. <u>Lycopodium clavatum</u>	<u>3</u>	<input type="checkbox"/>	FACU	
6. <u>Lupinus nootkatensis</u>	<u>3</u>	<input type="checkbox"/>	FACU	
7. <u>Chamaenerion angustifolium</u>	<u>2</u>	<input type="checkbox"/>	FACU	
8. <u>Calamagrostis canadensis</u>	<u>2</u>	<input type="checkbox"/>	FAC	
9. <u>Streptopus amplexifolius</u>	<u>1</u>	<input type="checkbox"/>	FACU	
10. <u>Festuca altaica</u>	<u>0.1</u>	<input type="checkbox"/>	FAC	
Total Cover:		<u>39.1</u>		Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>5</u> Total Cover of Bryophytes <u>75</u> Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>19.55</u> 20% of Total Cover: <u>7.82</u>				

Remarks: trace geranium erianthum, artemisia norvegica

