

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_T100_10
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): rolling Slope: % / 4.3 ° Elevation: 777
 Subregion: Copper River Basin Lat.: 62.6101876234 Long.: -147.415557364 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"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: on a slope below large pond, small pond below. small seasonal drainage to the NE. Some drainage patterns throughout.	

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>4</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>80.0%</u> (A/B)
1. <u>Picea glauca</u>	5	<input checked="" type="checkbox"/>	FACU	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>5</u>				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>6</u> x 1 = <u>6</u> FACW Species <u>16</u> x 2 = <u>32</u> FAC Species <u>95</u> x 3 = <u>285</u> FACU Species <u>6</u> x 4 = <u>24</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>123</u> (A) <u>347</u> (B) Prevalence Index = B/A = <u>2.821</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>2.5</u> 20% of Total Cover: <u>1</u>				
1. <u>Betula nana</u>	25	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium uliginosum</u>	20	<input checked="" type="checkbox"/>	FAC	
3. <u>Dasiphora fruticosa</u>	15	<input type="checkbox"/>	FAC	
4. <u>Salix pulchra</u>	5	<input type="checkbox"/>	FACW	
5. <u>Chamaedaphne calyculata</u>	3	<input type="checkbox"/>	FACW	
6. <u>Rhododendron groenlandicum</u>	5	<input type="checkbox"/>	FAC	
7. <u>Picea mariana</u>	5	<input type="checkbox"/>	FACW	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>78</u>				
Herb Stratum 50% of Total Cover: <u>39</u> 20% of Total Cover: <u>15.6</u>				
1. <u>Equisetum arvense</u>	5	<input type="checkbox"/>	FAC	
2. <u>Equisetum sylvaticum</u>	15	<input checked="" type="checkbox"/>	FAC	
3. <u>Calamagrostis canadensis</u>	8	<input checked="" type="checkbox"/>	FAC	
4. <u>Rumex arcticus</u>	2	<input type="checkbox"/>	FAC	
5. <u>Eriophorum angustifolium</u>	3	<input type="checkbox"/>	OBL	
6. <u>Chamaenerion angustifolium</u>	1	<input type="checkbox"/>	FACU	
7. <u>Carex saxatilis</u>	3	<input type="checkbox"/>	FACW	
8. <u>Comarum palustre</u>	2	<input type="checkbox"/>	OBL	
9. <u>Carex loliacea</u>	1	<input type="checkbox"/>	OBL	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>40</u>				
50% of Total Cover: <u>20</u> 20% of Total Cover: <u>8</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)				
¹ 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 <u>2</u> Total Cover of Bryophytes <u>8</u>				
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>				

Remarks:

