

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 08-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T203_04
 Investigator(s): CTS, AMD Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): flat Slope: % / 11.8 ° Elevation: 655
 Subregion: Interior Alaska Mountains Lat.: 63.3992655282 Long.: -148.590091347 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 type="radio"/> No <input checked="" 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>1</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>25.0%</u> (A/B)
1. <u>Picea glauca</u>	<u>20</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>20</u>				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>16.1</u> x 2 = <u>32.20</u> FAC Species <u>97</u> x 3 = <u>291</u> FACU Species <u>65</u> x 4 = <u>260</u> UPL Species <u>25</u> x 5 = <u>125</u> Column Totals: <u>203.1</u> (A) <u>708.2</u> (B) Prevalence Index = B/A = <u>3.487</u>
Sapling/Shrub Stratum		50% of Total Cover: <u>10</u>	20% of Total Cover: <u>4</u>	
1. <u>Picea glauca</u>	<u>3</u>	<input type="checkbox"/>	FACU	
2. <u>Salix glauca</u>	<u>10</u>	<input type="checkbox"/>	FAC	
3. <u>Betula nana</u>	<u>20</u>	<input type="checkbox"/>	FAC	
4. <u>Salix richardsonii</u>	<u>10</u>	<input type="checkbox"/>	FACW	
5. <u>Cassiope tetragona</u>	<u>40</u>	<input checked="" type="checkbox"/>	FACU	
6. <u>Vaccinium uliginosum</u>	<u>35</u>	<input checked="" type="checkbox"/>	FAC	
7. <u>Vaccinium vitis-idaea</u>	<u>5</u>	<input type="checkbox"/>	FAC	
8. <u>Empetrum nigrum</u>	<u>10</u>	<input type="checkbox"/>	FAC	
9. <u>Arctous ruber</u>	<u>5</u>	<input type="checkbox"/>	FAC	
10. <u>Rhododendron groenlandicum</u>	<u>7</u>	<input type="checkbox"/>	FAC	
Total Cover: <u>145</u>				
Herb Stratum		50% of Total Cover: <u>72.5</u>	20% of Total Cover: <u>29</u>	
1. <u>Chamaenerion latifolium</u>	<u>2</u>	<input type="checkbox"/>	FAC	
2. <u>Saussurea americana</u>	<u>6</u>	<input type="checkbox"/>	FACW	
3. <u>Tofieldia pusilla</u>	<u>1</u>	<input type="checkbox"/>	FAC	
4. <u>Calamagrostis canadensis</u>	<u>1</u>	<input type="checkbox"/>	FAC	
5. <u>Pedicularis labradorica</u>	<u>0.1</u>	<input type="checkbox"/>	FACW	
6. <u>Bistorta plumosa</u>	<u>1</u>	<input type="checkbox"/>	FACU	
7. <u>Mertensia paniculata</u>	<u>1</u>	<input type="checkbox"/>	FACU	
8. <u>Festuca altaica</u>	<u>1</u>	<input type="checkbox"/>	FAC	
9. <u>Boykinia richardsonii</u>	<u>25</u>	<input checked="" type="checkbox"/>	UPL	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover: <u>38.1</u>				
		50% of Total Cover: <u>19.05</u>	20% of Total Cover: <u>7.62</u>	

Hydrophytic Vegetation Indicators:
 Dominance Test is > 50%
 Prevalence Index is ≤ 3.0
 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)
¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Plot size (radius, or length x width) 10m
 % Cover of Wetland Bryophytes (Where applicable) _____
 % Bare Ground 0
 Total Cover of Bryophytes 40

Hydrophytic Vegetation Present? Yes No

Remarks: Lichen = 35, Leddec = 15, Salret = 10, Rosaci = 4

