

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: 8.0 % / 4.6 ° Elevation: 661
 Subregion: Interior Alaska Mountains Lat.: 63.399265528 Long.: -148.590091348 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 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.

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Picea glauca</u>	20	<input checked="" type="checkbox"/>	FACU	Number of Dominant Species That are OBL, FACW, or FAC:	<u>1</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata:	<u>4</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC:	<u>25.0%</u> (A/B)
4. _____	0	<input type="checkbox"/>	_____		
5. _____	0	<input type="checkbox"/>	_____		
Total Cover: <u>20</u>					
Sapling/Shrub Stratum	50% of Total Cover: <u>10</u>	20% of Total Cover: <u>4</u>		Prevalence Index worksheet:	
1. <u>Picea glauca</u>	3	<input type="checkbox"/>	FACU	Total % Cover of:	Multiply by:
2. <u>Salix glauca</u>	10	<input type="checkbox"/>	FAC	OBL Species <u>0</u>	x 1 = <u>0</u>
3. <u>Betula nana</u>	20	<input type="checkbox"/>	FAC	FACW Species <u>16.1</u>	x 2 = <u>32.20</u>
4. <u>Salix richardsonii</u>	10	<input type="checkbox"/>	FACW	FAC Species <u>97</u>	x 3 = <u>291</u>
5. <u>Cassiope tetragona</u>	40	<input checked="" type="checkbox"/>	FACU	FACU Species <u>65</u>	x 4 = <u>260</u>
6. <u>Vaccinium uliginosum</u>	35	<input checked="" type="checkbox"/>	FAC	UPL Species <u>25</u>	x 5 = <u>125</u>
7. <u>Vaccinium vitis-idaea</u>	5	<input type="checkbox"/>	FAC	Column Totals: <u>203.1</u> (A)	<u>708.2</u> (B)
8. <u>Empetrum nigrum</u>	10	<input type="checkbox"/>	FAC	Prevalence Index = B/A =	<u>3.487</u>
9. <u>Arctostaphylos rubra</u>	5	<input type="checkbox"/>	FAC		
10. <u>Ledum groenlandicum</u>	7	<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>		Hydrophytic Vegetation Indicators:	
1. <u>Chamerion latifolium</u>	2	<input type="checkbox"/>	FAC	<input type="checkbox"/> Dominance Test is > 50%	
2. <u>Saussurea americana</u>	6	<input type="checkbox"/>	FACW	<input type="checkbox"/> Prevalence Index is ≤ 3.0	
3. <u>Tofieldia pusilla</u>	1	<input type="checkbox"/>	FAC	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
4. <u>Calamagrostis canadensis</u>	1	<input type="checkbox"/>	FAC	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
5. <u>Pedicularis labradorica</u>	0.1	<input type="checkbox"/>	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
6. <u>Bistorta plumosa</u>	1	<input type="checkbox"/>	FACU	Plot size (radius, or length x width)	<u>10m</u>
7. <u>Mertensia paniculata</u>	1	<input type="checkbox"/>	FACU	% Cover of Wetland Bryophytes (Where applicable)	_____
8. <u>Festuca altaica</u>	1	<input type="checkbox"/>	FAC	% Bare Ground	<u>0</u>
9. <u>Boykinia richardsonii</u>	25	<input checked="" type="checkbox"/>	UPL	Total Cover of Bryophytes	<u>40</u>
10. _____	0	<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 Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	

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

