

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 07-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T36_02
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Ridgetop
 Local relief (concave, convex, none): convex Slope: % / 3.7 ° Elevation: 816
 Subregion: Southcentral Alaska Lat.: 62.7658483279 Long.: -149.63345576 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"/>	<p align="center">Is the Sampled Area within a Wetland?</p> Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: <u>ridgeline site, very windy. ca 40% cover by crustose and fruticose lichens.</u>	

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

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	0	<input type="checkbox"/>	_____	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>0</u>					
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>			
1. <u>Dryas ajanensis</u>	10	<input checked="" type="checkbox"/>	UPL	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>0</u> x 2 = <u>0</u> FAC Species <u>16.2</u> x 3 = <u>48.60</u> FACU Species <u>6</u> x 4 = <u>24</u> UPL Species <u>16.3</u> x 5 = <u>81.50</u> Column Totals: <u>38.5</u> (A) <u>154.1</u> (B) Prevalence Index = B/A = <u>4.003</u>	
2. <u>Vaccinium uliginosum</u>	5	<input type="checkbox"/>	FAC		
3. <u>Salix arctica</u>	2	<input type="checkbox"/>	FACU		
4. <u>Diapensia lapponica</u>	1	<input type="checkbox"/>	UPL		
5. <u>Betula glandulosa</u>	7	<input checked="" type="checkbox"/>	FAC		
6. <u>Arctous alpinus</u>	2	<input type="checkbox"/>	FACU		
7. <u>Vaccinium vitis-idaea</u>	1	<input type="checkbox"/>	FAC		
8. <u>Empetrum nigrum</u>	3	<input type="checkbox"/>	FAC		
9. _____	0	<input type="checkbox"/>	_____		
10. _____	0	<input type="checkbox"/>	_____		
Total Cover: <u>31</u>					
Herb Stratum	50% of Total Cover: <u>15.5</u>	20% of Total Cover: <u>6.2</u>			
1. <u>Anthoxanthum monticola ssp. alpinum</u>	1	<input type="checkbox"/>	UPL	Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is > 50% <input 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.	
2. <u>Campanula lasiocarpa</u>	0.1	<input type="checkbox"/>	UPL		
3. <u>Artemisia norvegica</u>	2	<input checked="" type="checkbox"/>	FACU		
4. <u>Carex microchaeta</u>	0.1	<input type="checkbox"/>	FAC		
5. <u>Antennaria monocephala</u>	1	<input type="checkbox"/>	UPL		
6. <u>Silene acaulis</u>	0.1	<input type="checkbox"/>	UPL		
7. <u>Arnica frigida</u>	2	<input checked="" type="checkbox"/>	UPL		
8. <u>Antennaria monocephala</u>	0.1	<input type="checkbox"/>	UPL		
9. <u>Cardamine bellidifolia</u>	0.1	<input type="checkbox"/>	FAC		
10. <u>Festuca brachyphylla</u>	1	<input type="checkbox"/>	UPL		
Total Cover: <u>7.5</u>					
50% of Total Cover: <u>3.75</u> 20% of Total Cover: <u>1.5</u>					

Remarks: betgla <20cm tall, prostrate. trace anemone (no flower). arnlou in hulten as arnica trace camlas, carmic, silaca, carbel, potentilla villosa

