

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 24-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T17_01
 Investigator(s): SLI, LMF Landform (hillside, terrace, hummocks etc.): Ridgetop
 Local relief (concave, convex, none): undulating Slope: % / 2.2 ° Elevation: 984
 Subregion: Southcentral Alaska Lat.: 62.7965982139 Long.: -148.934885732 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.

<u>Tree Stratum</u>	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>4</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>8</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>50.0%</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>		Prevalence Index worksheet:
1. <u>Dryas ajanensis</u>	6	<input checked="" type="checkbox"/>	UPL	Total % Cover of: Multiply by:
2. <u>Rhododendron lapponicum</u>	7	<input checked="" type="checkbox"/>	FAC	OBL Species <u>0</u> x 1 = <u>0</u>
3. <u>Diapensia lapponica</u>	5	<input checked="" type="checkbox"/>	UPL	FACW Species <u>2</u> x 2 = <u>4</u>
4. <u>Vaccinium uliginosum</u>	3	<input type="checkbox"/>	FAC	FAC Species <u>21</u> x 3 = <u>63</u>
5. <u>Salix arctica</u>	5	<input checked="" type="checkbox"/>	FACU	FACU Species <u>14</u> x 4 = <u>56</u>
6. <u>Arctous alpinus</u>	5	<input checked="" type="checkbox"/>	FACU	UPL Species <u>12</u> x 5 = <u>60</u>
7. <u>Dasiphora fruticosa</u>	2	<input type="checkbox"/>	FAC	Column Totals: <u>49</u> (A) <u>183</u> (B)
8. <u>Empetrum nigrum</u>	1	<input type="checkbox"/>	FAC	Prevalence Index = B/A = <u>3.735</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>34</u>				
Herb Stratum	50% of Total Cover: <u>17</u>	20% of Total Cover: <u>6.8</u>		Hydrophytic Vegetation Indicators:
1. <u>Tofieldia coccinea</u>	3	<input checked="" type="checkbox"/>	FAC	<input type="checkbox"/> Dominance Test is > 50%
2. <u>Anemone narcissiflora</u>	1	<input type="checkbox"/>	FACU	<input type="checkbox"/> Prevalence Index is ≤ 3.0
3. <u>Bistorta plumosa</u>	1	<input type="checkbox"/>	FACU	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4. <u>Potentilla biflora</u>	1	<input type="checkbox"/>	UPL	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Carex atrofusca</u>	2	<input checked="" type="checkbox"/>	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. <u>Anthoxanthum monticola ssp. alpinum</u>	1	<input type="checkbox"/>	UPL	Plot size (radius, or length x width) <u>10m</u>
7. <u>Thalictrum alpinum</u>	1	<input type="checkbox"/>	FAC	% Cover of Wetland Bryophytes (Where applicable) _____
8. <u>Carex fuliginosa</u>	3	<input checked="" type="checkbox"/>	FAC	% Bare Ground <u>20</u>
9. <u>Carex scirpoidea</u>	1	<input type="checkbox"/>	FACU	Total Cover of Bryophytes <u>65</u>
10. <u>Festuca altaica</u>	1	<input type="checkbox"/>	FAC	
Total Cover: <u>15</u>				Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
50% of Total Cover: <u>7.5</u>	20% of Total Cover: <u>3</u>			

Remarks: 20% lichen cover. graminoid veg pressed for confirmation.

