

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 22-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T25_05
 Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): hummocky Slope: % / 13.2 ° Elevation: 474
 Subregion: Southcentral Alaska Lat.: 62.8035482683 Long.: -149.261575727 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				
1. <u>Betula neoalaskana</u>	30	<input checked="" type="checkbox"/>	FACU	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)
2. <u>Picea glauca</u>	5	<input type="checkbox"/>	FACU	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>35</u>				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>3</u> x 2 = <u>6</u> FAC Species <u>56</u> x 3 = <u>168</u> FACU Species <u>54</u> x 4 = <u>216</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>113</u> (A) <u>390</u> (B) Prevalence Index = B/A = <u>3.451</u>
Sapling/Shrub Stratum		50% of Total Cover: <u>17.5</u>	20% of Total Cover: <u>7</u>	
1. <u>Vaccinium uliginosum</u>	40	<input checked="" type="checkbox"/>	FAC	
2. <u>Betula glandulosa</u>	10	<input type="checkbox"/>	FAC	
3. <u>Rhododendron tomentosum</u>	3	<input type="checkbox"/>	FACW	
4. <u>Vaccinium vitis-idaea</u>	1	<input type="checkbox"/>	FAC	
5. <u>Empetrum nigrum</u>	5	<input type="checkbox"/>	FAC	
6. <u>Linnaea borealis</u>	2	<input type="checkbox"/>	FACU	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>61</u>				
Herb Stratum		50% of Total Cover: <u>30.5</u>	20% of Total Cover: <u>12.2</u>	
1. <u>Galium boreale</u>	2	<input type="checkbox"/>	FACU	
2. <u>Cornus canadensis</u>	10	<input checked="" type="checkbox"/>	FACU	
3. <u>Lycopodium clavatum</u>	5	<input checked="" type="checkbox"/>	FACU	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
6. _____	0	<input type="checkbox"/>	_____	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>17</u>				
		50% of Total Cover: <u>8.5</u>	20% of Total Cover: <u>3.4</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) 1
 % Bare Ground 2
 Total Cover of Bryophytes 25

Hydrophytic Vegetation Present? Yes No

Remarks: tr andpol rubpub

