

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 04-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T109_06
 Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): hummocky Slope: % / 11.6 ° Elevation: 654
 Subregion: Interior Alaska Mountains Lat.: 62.8669922349 Long.: -148.312015177 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 checked="" type="radio"/> No <input type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input 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>	4	<input checked="" type="checkbox"/>	FACU	Number of Dominant Species That are OBL, FACW, or FAC:	<u>4</u> (A)
2. <u>Picea mariana</u>	3	<input checked="" type="checkbox"/>	FACW	Total Number of Dominant Species Across All Strata:	<u>5</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC:	<u>80.0%</u> (A/B)
4. _____	0	<input type="checkbox"/>	_____		
5. _____	0	<input type="checkbox"/>	_____		
Total Cover:			<u>7</u>		
Sapling/Shrub Stratum	50% of Total Cover: <u>3.5</u>	20% of Total Cover: <u>1.4</u>			
1. <u>Betula nana</u>	10	<input type="checkbox"/>	FAC	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>3.1</u> x 2 = <u>6.2</u> FAC Species <u>101.3</u> x 3 = <u>303.9</u> FACU Species <u>6.1</u> x 4 = <u>24.4</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>110.5</u> (A) <u>334.5</u> (B) Prevalence Index = B/A = <u>3.027</u>	
2. <u>Rhododendron groenlandicum</u>	20	<input checked="" type="checkbox"/>	FAC		
3. <u>Vaccinium uliginosum</u>	35	<input checked="" type="checkbox"/>	FAC		
4. <u>Vaccinium vitis-idaea</u>	15	<input type="checkbox"/>	FAC		
5. <u>Empetrum nigrum</u>	10	<input type="checkbox"/>	FAC		
6. <u>Rosa acicularis</u>	2	<input type="checkbox"/>	FACU		
7. <u>Salix glauca</u>	0.1	<input type="checkbox"/>	FAC		
8. <u>Salix pseudomonticola</u>	0.1	<input type="checkbox"/>	FAC		
9. <u>Alnus viridis</u>	0.1	<input type="checkbox"/>	FAC		
10. _____	0	<input type="checkbox"/>	_____		
Total Cover:			<u>92.3</u>		
Herb Stratum	50% of Total Cover: <u>46.15</u>	20% of Total Cover: <u>18.46</u>			
1. <u>Equisetum sylvaticum</u>	10	<input checked="" type="checkbox"/>	FAC	Hydrophytic Vegetation Indicators: <input checked="" 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>Cornus suecica</u>	1	<input type="checkbox"/>	FAC		
3. <u>Pedicularis labradorica</u>	0.1	<input type="checkbox"/>	FACW		
4. <u>Geocaulon lividum</u>	0.1	<input type="checkbox"/>	FACU		
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>11.2</u>	Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) <u>15</u> % Bare Ground <u>0</u> Total Cover of Bryophytes <u>40</u>	
50% of Total Cover: <u>5.6</u>	20% of Total Cover: <u>2.24</u>				

Remarks: LICHEN 10%

