

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 02-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T177_04
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): flat Slope: 21.2 % / 12.0 ° Elevation: 1063
 Subregion: Interior Alaska Mountains Lat.: 63.0753041245 Long.: -148.071387559 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 checked="" type="radio"/> No <input 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: <u>Stcb 50 ft uphill, south.</u>	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
1. _____	0	<input type="checkbox"/>	_____	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover:		0		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>15</u> x 2 = <u>30</u> FAC Species <u>106</u> x 3 = <u>318</u> FACU Species <u>3.2</u> x 4 = <u>12.80</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>124.2</u> (A) <u>360.8</u> (B) Prevalence Index = B/A = <u>2.905</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>				
1. <u>Betula nana</u>	70	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium uliginosum</u>	20	<input type="checkbox"/>	FAC	
3. <u>Vaccinium vitis-idaea</u>	5	<input type="checkbox"/>	FAC	
4. <u>Salix pulchra</u>	5	<input type="checkbox"/>	FACW	
5. <u>Ledum decumbens</u>	10	<input type="checkbox"/>	FACW	
6. <u>Empetrum nigrum</u>	10	<input type="checkbox"/>	FAC	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		120		
Herb Stratum 50% of Total Cover: <u>60</u> 20% of Total Cover: <u>24</u>				
1. <u>Festuca altaica</u>	1	<input checked="" type="checkbox"/>	FAC	
2. <u>Anthoxanthum monticola ssp. alpinum</u>	0.1	<input type="checkbox"/>	FACU	
3. <u>Artemisia norvegica</u>	0.1	<input type="checkbox"/>	FACU	
4. <u>Rubus arcticus (IAM)</u>	3	<input checked="" 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:		4.2		
50% of Total Cover:		2.1	20% of Total Cover: <u>0.84</u>	
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" 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.				
Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground _____ Total Cover of Bryophytes <u>90</u>				
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>				
Remarks: <u>Bryophytes mostly hylspl</u>				

