

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: % / 7.7 ° Elevation: 106
 Subregion: Interior Alaska Mountains Lat.: 63.0753041246 Long.: -148.071387559 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 type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: tall closed birch shrub 50 ft uphill, south.	

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>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</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: <u>0</u>				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>3.1</u> x 4 = <u>12.4</u> UPL Species <u>0.1</u> x 5 = <u>0.500</u> Column Totals: <u>124.2</u> (A) <u>360.9</u> (B) Prevalence Index = B/A = <u>2.906</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>Rhododendron tomentosum</u>	10	<input type="checkbox"/>	FACW	
4. <u>Empetrum nigrum</u>	10	<input type="checkbox"/>	FAC	
5. <u>Vaccinium vitis-idaea</u>	5	<input type="checkbox"/>	FAC	
6. <u>Salix pulchra</u>	5	<input type="checkbox"/>	FACW	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>120</u>				
Herb Stratum 50% of Total Cover: <u>60</u> 20% of Total Cover: <u>24</u>				
1. <u>Rubus arcticus (IAM)</u>	3	<input type="checkbox"/>	FACU	
2. <u>Festuca altaica</u>	1	<input type="checkbox"/>	FAC	
3. <u>Artemisia norvegica</u>	0.1	<input type="checkbox"/>	FACU	
4. <u>Anthoxanthum monticola ssp. alpinum</u>	0.1	<input type="checkbox"/>	UPL	
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>4.2</u>				
50% of Total Cover: <u>2.1</u> 20% of Total Cover: <u>0.84</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) _____
 % Bare Ground _____
 Total Cover of Bryophytes 90

Hydrophytic Vegetation Present? Yes No

Remarks: Bryophytes mostly hylspl. total herb cover <5%, thus no herbs considered dominant.

