

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 28-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T332_05
 Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): hummocky Slope: 7.0 % / 4.0 ° Elevation: _____
 Subregion: Interior Alaska Mountains Lat.: _____ Long.: _____ 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:	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				
1. _____	_____	<input type="checkbox"/>	_____	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>2</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
2. _____	_____	<input type="checkbox"/>	_____	
3. _____	_____	<input type="checkbox"/>	_____	
4. _____	_____	<input type="checkbox"/>	_____	
5. _____	_____	<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>15.1</u> x 2 = <u>30.20</u> FAC Species <u>103</u> x 3 = <u>309</u> FACU Species <u>0.1</u> x 4 = <u>0.400</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>118.2</u> (A) <u>339.6</u> (B) Prevalence Index = B/A = <u>2.873</u>
Sapling/Shrub Stratum		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. <u>Betula glandulosa</u>	<u>60</u>	<input checked="" type="checkbox"/>	FAC	
2. <u>Empetrum nigrum</u>	<u>30</u>	<input checked="" type="checkbox"/>	FAC	
3. <u>Salix pulchra</u>	<u>10</u>	<input type="checkbox"/>	FACW	
4. <u>Rhododendron tomentosum</u>	<u>5</u>	<input type="checkbox"/>	FACW	
5. <u>Vaccinium vitis-idaea</u>	<u>5</u>	<input type="checkbox"/>	FAC	
6. <u>Vaccinium uliginosum</u>	<u>5</u>	<input type="checkbox"/>	FAC	
7. _____	<u>0</u>	<input type="checkbox"/>	_____	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>115</u>		
Herb Stratum		50% of Total Cover: <u>57.5</u>	20% of Total Cover: <u>23</u>	
1. <u>Carex bigelowii</u>	<u>3</u>	<input type="checkbox"/>	FAC	
2. <u>Petasites frigidus</u>	<u>0.1</u>	<input type="checkbox"/>	FACW	
3. <u>Luzula multiflora</u>	<u>0.1</u>	<input type="checkbox"/>	FACU	
4. _____	<u>0</u>	<input type="checkbox"/>	_____	
5. _____	<u>0</u>	<input type="checkbox"/>	_____	
6. _____	<u>0</u>	<input type="checkbox"/>	_____	
7. _____	<u>0</u>	<input type="checkbox"/>	_____	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>3.2</u>		
50% of Total Cover: <u>1.6</u>		20% of Total Cover: <u>0.64</u>		

Hydrophytic Vegetation Indicators:
 Dominance Test is > 50%
 Prevalence Index is ≤ 3.0
 Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation (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 0
 Total Cover of Bryophytes 60

Hydrophytic Vegetation Present? Yes No

Remarks: low open birch-ericaceous shrub, birch average approx 4 ft tall. substantial lichen cover in openings. many betgla leaves have already dropped - attempted to adjust cover estimate accordingly. no dominant herbs as total herb cover <5%.

