

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 03-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T173_05
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): rolling Slope: 17.6 % / 10.0 ° Elevation: 1105
 Subregion: Interior Alaska Mountains Lat.: 63.1638760306 Long.: -148.26384997 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. _____	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		
Sapling/Shrub Stratum				
	50% of Total Cover:	0	20% of Total Cover:	0
1. <u>Betula nana</u>	60	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium uliginosum</u>	40	<input checked="" type="checkbox"/>	FAC	
3. <u>Ledum decumbens</u>	10	<input type="checkbox"/>	FACW	
4. <u>Spiraea stevenii</u>	1	<input type="checkbox"/>	FACU	
5. <u>Empetrum nigrum</u>	10	<input type="checkbox"/>	FAC	
6. <u>Vaccinium vitis-idaea</u>	5	<input type="checkbox"/>	FAC	
7. <u>Salix pulchra</u>	5	<input type="checkbox"/>	FACW	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		131		
Herb Stratum				
	50% of Total Cover:	65.5	20% of Total Cover:	26.2
1. <u>Anthoxanthum monticola ssp. alpinum</u>	2	<input checked="" type="checkbox"/>	FACU	
2. <u>Festuca altaica</u>	5	<input checked="" type="checkbox"/>	FAC	
3. <u>Calamagrostis canadensis</u>	0.1	<input type="checkbox"/>	FAC	
4. <u>Carex podocarpa</u>	0.1	<input type="checkbox"/>	FAC	
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:		7.2		
	50% of Total Cover:	3.6	20% of Total Cover:	1.44

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)
 Total Number of Dominant Species Across All Strata: 4 (B)
 Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)

Prevalence Index worksheet:
 Total % Cover of: _____ Multiply by:
 OBL Species 0 x 1 = 0
 FACW Species 15 x 2 = 30
 FAC Species 120.2 x 3 = 360.6
 FACU Species 3 x 4 = 12
 UPL Species 0 x 5 = 0
 Column Totals: 138.2 (A) 402.6 (B)
 Prevalence Index = B/A = 2.913

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 10
 Total Cover of Bryophytes 15

Hydrophytic Vegetation Present? Yes No

Remarks:

