

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 23-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T19_02
 Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): hummocky Slope: % / 13.9 ° Elevation: 915
 Subregion: Southcentral Alaska Lat.: 62.783658309 Long.: -149.513145743 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 type="radio"/> No <input checked="" 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.

	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>Cassiope tetragona</u>	10	<input type="checkbox"/>	FACU	
2. <u>Harrimanella stelleriana</u>	15	<input type="checkbox"/>	FACW	
3. <u>Empetrum nigrum</u>	50	<input checked="" type="checkbox"/>	FAC	
4. <u>Loiseleuria procumbens</u>	2	<input type="checkbox"/>	FACU	
5. <u>Luetkea pectinata</u>	5	<input type="checkbox"/>	UPL	
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:		82		
Herb Stratum				
	50% of Total Cover:	41	20% of Total Cover:	16.4
1. <u>Carex atrofusca</u>	2	<input checked="" type="checkbox"/>	FACW	
2. <u>Diphysastrum complanatum</u>	2	<input checked="" type="checkbox"/>	FACU	
3. <u>Spinulum annotinum</u>	2	<input checked="" type="checkbox"/>	FACU	
4. _____	0	<input type="checkbox"/>	_____	
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:		6		
	50% of Total Cover:	3	20% of Total Cover:	1.2

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
 Total Number of Dominant Species Across All Strata: 4 (B)
 Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:
 Total % Cover of: Multiply by:
 OBL Species 0 x 1 = 0
 FACW Species 17 x 2 = 34
 FAC Species 50 x 3 = 150
 FACU Species 16 x 4 = 64
 UPL Species 5 x 5 = 25
 Column Totals: 88 (A) 273 (B)
 Prevalence Index = B/A = 3.102

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) 0
 % Bare Ground 5
 Total Cover of Bryophytes 10

Hydrophytic Vegetation Present? Yes No

Remarks: 5% lichen

