

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 07-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T36_05
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Terrace
 Local relief (concave, convex, none): flat Slope: % / 1.5 ° Elevation: 347
 Subregion: Southcentral Alaska Lat.: 62.7784816678 Long.: -149.648024085 Datum: NAD83
 Soil Map Unit Name: _____ NWI classification: PEM1/SS1E

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 checked="" type="radio"/> No <input type="radio"/> Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: <u>reticulated fen</u>	

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>Myrica gale</u>	15	<input checked="" type="checkbox"/>	OBL	
2. <u>Betula nana</u>	2	<input type="checkbox"/>	FAC	
3. <u>Vaccinium oxycoccos</u>	2	<input type="checkbox"/>	OBL	
4. <u>Andromeda polifolia</u>	1	<input type="checkbox"/>	FACW	
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:		20		
	50% of Total Cover: 10		20% of Total Cover: 4	
Herb Stratum				
1. <u>Scheuchzeria palustris</u>	2	<input type="checkbox"/>	OBL	
2. <u>Menyanthes trifoliata</u>	2	<input type="checkbox"/>	OBL	
3. <u>Trichophorum caespitosum</u>	15	<input checked="" type="checkbox"/>	OBL	
4. <u>Eriophorum angustifolium</u>	2	<input type="checkbox"/>	OBL	
5. <u>Eriophorum viridicarinatum</u>	2	<input type="checkbox"/>	OBL	
6. <u>Carex pauciflora</u>	15	<input checked="" type="checkbox"/>	OBL	
7. <u>Drosera rotundifolia</u>	3	<input type="checkbox"/>	OBL	
8. <u>Carex limosa</u>	5	<input type="checkbox"/>	OBL	
9. <u>Carex livida</u>	1	<input type="checkbox"/>	OBL	
10. <u>Carex aquatilis</u>	1	<input type="checkbox"/>	OBL	
Total Cover:		48		
	50% of Total Cover: 24		20% of Total Cover: 9.6	

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)
 Total Number of Dominant Species Across All Strata: 3 (B)
 Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:
 Total % Cover of: Multiply by:
 OBL Species 65 x 1 = 65
 FACW Species 1 x 2 = 2
 FAC Species 2 x 3 = 6
 FACU Species 0 x 4 = 0
 UPL Species 0 x 5 = 0
 Column Totals: 68 (A) 73 (B)
 Prevalence Index = B/A = 1.074

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 7
 Total Cover of Bryophytes 90

Hydrophytic Vegetation Present? Yes No

Remarks: erigra multiple heads, conspicuous stem leaf, no reddish-purple. trices may be a mix of trices and trialp, not all distinctly cespitose but no trialp bristles. Droros includes 1% droang. Trace Calamagrostis lapponica (collected)

