

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: 0.0 % / 1.0 ° Elevation: 362
 Subregion: Southcentral Alaska Lat.: 62.7784832453 Long.: -149.648048302 Datum: WGS84
 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"/>	_____	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover:		0		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>65</u> x 1 = <u>65</u> FACW Species <u>1</u> x 2 = <u>2</u> FAC Species <u>2</u> x 3 = <u>6</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>68</u> (A) <u>73</u> (B) Prevalence Index = B/A = <u>1.074</u>
Sapling/Shrub Stratum		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
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		
Herb Stratum		50% of Total Cover: <u>10</u>	20% of Total Cover: <u>4</u>	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
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: <u>24</u>	20% of Total Cover: <u>9.6</u>	

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)

