

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 25-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T21_08
 Investigator(s): SLI, LMF Landform (hillside, terrace, hummocks etc.): Lowland
 Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: 711
 Subregion: Interior Alaska Mountains Lat.: 62.7865799083 Long.: -148.58595997 Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: PEM1E**

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. graminoid/shrub vegetation on strangs, flarks w bare ground, open water, drosera, and scattered sedges.</u>	

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

<u>Tree Stratum</u>	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	0	<input type="checkbox"/>	_____	Number of Dominant Species That are OBL, FACW, or FAC: <u>3</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>0</u>				
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		Prevalence Index worksheet:
1. <u>Andromeda polifolia (IAM)</u>	3	<input checked="" type="checkbox"/>	OBL	Total % Cover of: Multiply by:
2. <u>Betula nana</u>	10	<input checked="" type="checkbox"/>	FAC	OBL Species <u>67</u> x 1 = <u>67</u>
3. <u>Vaccinium oxycoccos</u>	1	<input type="checkbox"/>	OBL	FACW Species <u>0</u> x 2 = <u>0</u>
4. <u>Dasiphora fruticosa</u>	1	<input type="checkbox"/>	FAC	FAC Species <u>12</u> x 3 = <u>36</u>
5. _____	0	<input type="checkbox"/>	_____	FACU Species <u>0</u> x 4 = <u>0</u>
6. _____	0	<input type="checkbox"/>	_____	UPL Species <u>0</u> x 5 = <u>0</u>
7. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>79</u> (A) <u>103</u> (B)
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>1.304</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>15</u>				Hydrophytic Vegetation Indicators:
Herb Stratum	50% of Total Cover: <u>7.5</u>	20% of Total Cover: <u>3</u>		<input checked="" type="checkbox"/> Dominance Test is > 50%
1. <u>Drosera anglica</u>	3	<input type="checkbox"/>	OBL	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Trichophorum caespitosum</u>	40	<input checked="" type="checkbox"/>	OBL	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Tofieldia coccinea</u>	1	<input type="checkbox"/>	FAC	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
4. <u>Carex rotundata</u>	10	<input type="checkbox"/>	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. <u>Trientalis europaea</u>	0.1	<input type="checkbox"/>	FACU	Plot size (radius, or length x width) <u>10m</u>
6. <u>Carex aquatilis</u>	10	<input type="checkbox"/>	OBL	% Cover of Wetland Bryophytes (Where applicable) _____
7. _____	0	<input type="checkbox"/>	_____	% Bare Ground <u>40</u>
8. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>55</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>64.1</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>32.05</u>	20% of Total Cover: <u>12.82</u>			

Remarks: abundant drosera in shallow water flarks. 3% unidentified carex and trace unidentified grass (possibly calamagrostis purpurascens?).

