

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 07-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13 T134_04
 Investigator(s): WAD, BAB Landform (hillside, terrace, hummocks etc.): pond margin
 Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° Elevation: 850
 Subregion: Southcentral Alaska Lat.: 62.68728888 Long.: -148.734508395 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: **PEM1F**

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:	

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

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
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:	<u>0</u>		
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. <u>Salix richardsonii</u>	1	<input type="checkbox"/>	FACW
2. <u>Salix pulchra</u>	10	<input checked="" type="checkbox"/>	FACW
3. <u>Salix barclayi</u>	10	<input checked="" type="checkbox"/>	FAC
4. <u>Vaccinium uliginosum</u>	5	<input type="checkbox"/>	FAC
5. <u>Salix reticulata</u>	0.1	<input type="checkbox"/>	FAC
6. <u>Dasiphora fruticosa</u>	1	<input type="checkbox"/>	FAC
7. _____	0	<input type="checkbox"/>	_____
8. _____	0	<input type="checkbox"/>	_____
9. _____	0	<input type="checkbox"/>	_____
10. _____	0	<input type="checkbox"/>	_____
Total Cover:	<u>27.1</u>		
Herb Stratum	50% of Total Cover: <u>13.55</u>	20% of Total Cover: <u>5.42</u>	
1. <u>Carex aquatilis</u>	25	<input checked="" type="checkbox"/>	OBL
2. <u>Eriophorum angustifolium</u>	15	<input checked="" type="checkbox"/>	OBL
3. <u>Equisetum arvense</u>	0.1	<input type="checkbox"/>	FAC
4. <u>Sedum rosea</u>	0.1	<input type="checkbox"/>	FAC
5. <u>Calamagrostis canadensis</u>	1	<input type="checkbox"/>	FAC
6. <u>Cornus suecica</u>	0.1	<input type="checkbox"/>	FAC
7. <u>Rubus arcticus</u>	0.1	<input type="checkbox"/>	FAC
8. _____	0	<input type="checkbox"/>	_____
9. _____	0	<input type="checkbox"/>	_____
10. _____	0	<input type="checkbox"/>	_____
Total Cover:	<u>41.4</u>		
	50% of Total Cover: <u>20.7</u>	20% of Total Cover: <u>8.28</u>	

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
 Total Number of Dominant Species Across All Strata: 4 (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 40 x 1 = 40
 FACW Species 11 x 2 = 22
 FAC Species 17.5 x 3 = 52.50
 FACU Species 0 x 4 = 0
 UPL Species 0 x 5 = 0
 Column Totals: 68.5 (A) 114.5 (B)
 Prevalence Index = B/A = 1.672

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 0
 Total Cover of Bryophytes _____

Hydrophytic Vegetation Present? Yes No

Remarks:

