

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 02-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T139_04
 Investigator(s): WAD, BAB Landform (hillside, terrace, hummocks etc.): Bench
 Local relief (concave, convex, none): concave Slope: 8.7 % / 5.0 ° Elevation: 435
 Subregion: Southcentral Alaska Lat.: 62.823704481 Long.: -149.604930997 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: <u>LOW ELEVATION BASE OF TROUGH AREA WITH SATURATED TUNDRA PONDS AND INNUNDATED PUDDLES (ALMOST STRANG). 22, 23 photo num, 15,29 photo time</u>	

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

Tree Stratum	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>4</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>4</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"/>	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL Species <u>47</u> x 1 = <u>47</u> FACW Species <u>2</u> x 2 = <u>4</u> FAC Species <u>11</u> x 3 = <u>33</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>60</u> (A) <u>84</u> (B) Prevalence Index = B/A = <u>1.400</u>
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>Dasiphora fruticosa</u>	5	<input checked="" type="checkbox"/>	FAC	
2. <u>Myrica gale</u>	5	<input checked="" type="checkbox"/>	OBL	
3. <u>Betula nana</u>	5	<input checked="" type="checkbox"/>	FAC	
4. <u>Vaccinium uliginosum</u>	1	<input type="checkbox"/>	FAC	
5. <u>Chamaedaphne calyculata</u>	1	<input type="checkbox"/>	FACW	
6. <u>Andromeda polifolia</u>	1	<input type="checkbox"/>	FACW	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>18</u>				
Herb Stratum	50% of Total Cover: <u>9</u>	20% of Total Cover: <u>3.6</u>		
1. <u>Trichophorum caespitosum</u>	25	<input checked="" type="checkbox"/>	OBL	
2. <u>Comarum palustre</u>	5	<input type="checkbox"/>	OBL	
3. <u>Carex aquatilis</u>	5	<input type="checkbox"/>	OBL	
4. <u>Carex limosa</u>	3	<input type="checkbox"/>	OBL	
5. <u>Menyanthes trifoliata</u>	2	<input type="checkbox"/>	OBL	
6. <u>Eriophorum angustifolium</u>	1	<input type="checkbox"/>	OBL	
7. <u>Equisetum fluviatile</u>	1	<input type="checkbox"/>	OBL	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>42</u>				
50% of Total Cover: <u>21</u>	20% of Total Cover: <u>8.4</u>			

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) 45
 % Bare Ground _____
 Total Cover of Bryophytes 45

Hydrophytic Vegetation Present? Yes No

Remarks: some emergent vegetation with surrounding moss meadow.

