

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 27-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T24_08
 Investigator(s): SLI, LMF Landform (hillside, terrace, hummocks etc.): Plateau
 Local relief (concave, convex, none): hummocky Slope: 0.0 % / 2.0 ° Elevation: 823
 Subregion: Copper River Basin Lat.: 62.6688799088 Long.: -147.402729976 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: PSS1/EM1E

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	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"/>	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL Species <u>48</u> x 1 = <u>48</u> FACW Species <u>28</u> x 2 = <u>56</u> FAC Species <u>43</u> x 3 = <u>129</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>119</u> (A) <u>233</u> (B) Prevalence Index = B/A = <u>1.958</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>Picea mariana</u>	8	<input checked="" type="checkbox"/>	FACW	
2. <u>Betula nana</u>	30	<input checked="" type="checkbox"/>	FAC	
3. <u>Vaccinium uliginosum</u>	7	<input type="checkbox"/>	FAC	
4. <u>Chamaedaphne calyculata</u>	7	<input type="checkbox"/>	FACW	
5. <u>Ledum groenlandicum</u>	5	<input type="checkbox"/>	FAC	
6. <u>Salix pulchra</u>	7	<input type="checkbox"/>	FACW	
7. <u>Vaccinium oxycoccos</u>	1	<input type="checkbox"/>	OBL	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:			<u>65</u>	
Herb Stratum	50% of Total Cover: <u>32.5</u>	20% of Total Cover: <u>13</u>		
1. <u>Comarum palustre</u>	5	<input type="checkbox"/>	OBL	
2. <u>Equisetum palustre</u>	3	<input type="checkbox"/>	FACW	
3. <u>Rubus chamaemorus</u>	3	<input type="checkbox"/>	FACW	
4. <u>Eriophorum angustifolium</u>	30	<input checked="" type="checkbox"/>	OBL	
5. <u>Equisetum fluviatile</u>	1	<input type="checkbox"/>	OBL	
6. <u>Carex canescens(CRP)</u>	1	<input type="checkbox"/>	FAC	
7. <u>Carex aquatilis</u>	10	<input type="checkbox"/>	OBL	
8. <u>Caltha palustris</u>	1	<input type="checkbox"/>	OBL	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:			<u>54</u>	
50% of Total Cover:	<u>27</u>	20% of Total Cover:	<u>10.8</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) _____
 % Bare Ground _____
 Total Cover of Bryophytes _____

Hydrophytic Vegetation Present? Yes No

Remarks: 3% picmar trees recorded in shrub stratum, as tree stratum total % cover <5%

