

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_T181_05
 Investigator(s): JER Landform (hillside, terrace, hummocks etc.): peat plateau
 Local relief (concave, convex, none): hummocky Slope: 1.7 % / 1.0 ° Elevation: 754
 Subregion: Interior Alaska Mountains Lat.: 62.792335391 Long.: -147.914541245 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: PSS1E

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>shrub fen, mosaic of slobb and hgwsll, shrub bog dominant, perched peatland</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>7</u> (A)		
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>7</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>Betula nana</u>	30	<input checked="" type="checkbox"/>	FAC	Total % Cover of: Multiply by:		
2. <u>Ledum decumbens</u>	35	<input checked="" type="checkbox"/>	FACW	OBL Species <u>21</u>	x 1 = <u>21</u>	
3. <u>Vaccinium uliginosum</u>	25	<input checked="" type="checkbox"/>	FAC	FACW Species <u>46</u>	x 2 = <u>92</u>	
4. <u>Vaccinium vitis-idaea</u>	15	<input type="checkbox"/>	FAC	FAC Species <u>103</u>	x 3 = <u>309</u>	
5. <u>Salix pulchra</u>	3	<input type="checkbox"/>	FACW	FACU Species <u>1</u>	x 4 = <u>4</u>	
6. <u>Empetrum nigrum</u>	15	<input type="checkbox"/>	FAC	UPL Species <u>0</u>	x 5 = <u>0</u>	
7. <u>Dasiphora fruticosa</u>	10	<input type="checkbox"/>	FAC	Column Totals: <u>171</u> (A) <u>426</u> (B)		
8. <u>Vaccinium oxycoccos</u>	1	<input type="checkbox"/>	OBL	Prevalence Index = B/A = <u>2.491</u>		
9. <u>Picea glauca</u>	1	<input type="checkbox"/>	FACU			
10. _____	0	<input type="checkbox"/>	_____			
Total Cover: <u>135</u>						
Herb Stratum	50% of Total Cover: <u>67.5</u>		20% of Total Cover: <u>27</u>		Hydrophytic Vegetation Indicators:	
1. <u>Rubus chamaemorus</u>	5	<input checked="" type="checkbox"/>	FACW	<input checked="" type="checkbox"/> Dominance Test is > 50%		
2. <u>Carex aquatilis</u>	8	<input checked="" type="checkbox"/>	OBL	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0		
3. <u>Eriophorum angustifolium</u>	10	<input checked="" type="checkbox"/>	OBL	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
4. <u>Eriophorum vaginatum</u>	1	<input type="checkbox"/>	FACW	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)		
5. <u>Eriophorum russeolum</u>	2	<input type="checkbox"/>	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
6. <u>Carex canescens (IAM)</u>	5	<input checked="" type="checkbox"/>	FAC	Plot size (radius, or length x width) <u>10m</u>		
7. <u>Calamagrostis canadensis</u>	2	<input type="checkbox"/>	FAC	% Cover of Wetland Bryophytes (Where applicable) _____		
8. <u>Epilobium palustre</u>	1	<input type="checkbox"/>	OBL	% Bare Ground <u>0</u>		
9. <u>Carex limosa</u>	1	<input type="checkbox"/>	OBL	Total Cover of Bryophytes <u>55</u>		
10. <u>Equisetum arvense</u>	1	<input type="checkbox"/>	FAC	Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>		
Total Cover: <u>36</u>						
50% of Total Cover: <u>18</u>		20% of Total Cover: <u>7.2</u>				

Remarks: sphag, plesch

