

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 20-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T06_01
 Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Lowland
 Local relief (concave, convex, none): hummocky Slope: % / 5.4 ° Elevation: 455
 Subregion: Interior Alaska Mountains Lat.: 62.83014816 Long.: -148.607035705 Datum: NAD83
 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: PSS1E wetland at toe of slope. channelized flow through western portion of wetland, abundant standing water throughout. scattered pigla shrub snags, well developed hummocks dominated by vaculi w stressed pigla dwarf trees. inter-hummocks w standing water, dominated by compal and equflu.	

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"/>	_____			
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>Picea glauca</u>	3	<input type="checkbox"/>	FACU	Total % Cover of:	Multiply by:	
2. <u>Vaccinium uliginosum</u>	25	<input checked="" type="checkbox"/>	FAC	OBL Species <u>16</u>	x 1 = <u>16</u>	
3. <u>Salix barclayi</u>	10	<input checked="" type="checkbox"/>	FAC	FACW Species <u>1</u>	x 2 = <u>2</u>	
4. <u>Andromeda polifolia (IAM)</u>	1	<input type="checkbox"/>	OBL	FAC Species <u>43</u>	x 3 = <u>129</u>	
5. <u>Betula nana</u>	1	<input type="checkbox"/>	FAC	FACU Species <u>4</u>	x 4 = <u>16</u>	
6. <u>Rhododendron groenlandicum</u>	1	<input type="checkbox"/>	FAC	UPL Species <u>1</u>	x 5 = <u>5</u>	
7. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>65</u> (A)	<u>168</u> (B)	
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>2.585</u>		
9. _____	0	<input type="checkbox"/>	_____			
10. _____	0	<input type="checkbox"/>	_____			
Total Cover: <u>41</u>						
50% of Total Cover: <u>20.5</u>		20% of Total Cover: <u>8.2</u>		Hydrophytic Vegetation Indicators:		
1. <u>Comarum palustre</u>	10	<input checked="" type="checkbox"/>	OBL	<input checked="" type="checkbox"/> Dominance Test is > 50%		
2. <u>Equisetum fluviatile</u>	5	<input checked="" type="checkbox"/>	OBL	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0		
3. <u>Rumex arcticus</u>	3	<input type="checkbox"/>	FAC	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
4. <u>Eriophorum russeolum</u>	1	<input type="checkbox"/>	FACW	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)		
5. <u>Carex gmelinii</u>	3	<input type="checkbox"/>	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
6. <u>Carex aenae</u>	1	<input type="checkbox"/>	UPL	Plot size (radius, or length x width) <u>10m</u>		
7. <u>Carex albonigra</u>	1	<input type="checkbox"/>	FACU	% Cover of Wetland Bryophytes (Where applicable) _____		
8. _____	0	<input type="checkbox"/>	_____	% Bare Ground <u>10</u>		
9. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>88</u>		
10. _____	0	<input type="checkbox"/>	_____			
Total Cover: <u>24</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>		
50% of Total Cover: <u>12</u>		20% of Total Cover: <u>4.8</u>				

Remarks: Total of 1% cover between all eriophorum. Bryophytes predominantly sphagnum spp. Carex keys out, but midrib scale not pale, and not in this area - pressed. Two other carex species pressed, recorded as caralb and caraen. Trace unid grass.

