

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 04-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T99_04
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Alluvial fan
 Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: 582
 Subregion: Southcentral Alaska Lat.: 62.6857265784 Long.: -148.928503306 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: here to lakeshore is PSS1E closed tall willow community w standing water and flowing channels. more zonation into saturated scrub-shrub/flooded emergents near lakeshore, but still too fine of a scale to map independently. many channels well-developed and	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
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>				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>26</u> x 1 = <u>26</u> FACW Species <u>58</u> x 2 = <u>116</u> FAC Species <u>41</u> x 3 = <u>123</u> FACU Species <u>1</u> x 4 = <u>4</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>126</u> (A) <u>269</u> (B) Prevalence Index = B/A = <u>2.135</u>
Sapling/Shrub Stratum		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. <u>Salix pseudomonticola</u>	35	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium uliginosum</u>	5	<input type="checkbox"/>	FAC	
3. <u>Picea mariana</u>	7	<input type="checkbox"/>	FACW	
4. <u>Salix pulchra</u>	35	<input checked="" type="checkbox"/>	FACW	
5. _____	0	<input type="checkbox"/>	_____	
6. _____	0	<input type="checkbox"/>	_____	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>82</u>				
Herb Stratum		50% of Total Cover: <u>41</u>	20% of Total Cover: <u>16.4</u>	
1. <u>Comarum palustre</u>	5	<input type="checkbox"/>	OBL	
2. <u>Cornus canadensis</u>	1	<input type="checkbox"/>	FACU	
3. <u>Rubus arcticus ssp. acaulis</u>	1	<input type="checkbox"/>	FAC	
4. <u>Equisetum fluviatile</u>	1	<input type="checkbox"/>	OBL	
5. <u>Arctagrostis latifolia</u>	15	<input checked="" type="checkbox"/>	FACW	
6. <u>Carex aquatilis</u>	20	<input checked="" type="checkbox"/>	OBL	
7. <u>Equisetum pratense</u>	1	<input type="checkbox"/>	FACW	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>44</u>				
50% of Total Cover: <u>22</u>		20% of Total Cover: <u>8.8</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) 5m
 % Cover of Wetland Bryophytes (Where applicable) _____
 % Bare Ground _____
 Total Cover of Bryophytes _____

Hydrophytic Vegetation Present? Yes No

Remarks: 1% viola sp. salpsu as at _03, catkins and big red buds.

