

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 03-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: **SW13 T125 06**
 Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Lowland
 Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: 478
 Subregion: Southcentral Alaska Lat.: 62.93511951 Long.: -149.60236156 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: photo time 18:00, #1156, 1157	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				
1. <u>Picea glauca</u>	1	<input checked="" type="checkbox"/>	FACU	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>5</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>80.0%</u> (A/B)
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover:		1		
Sapling/Shrub Stratum				
	50% of Total Cover: <u>0.5</u>	20% of Total Cover: <u>0.2</u>		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>13.1</u> x 1 = <u>13.1</u> FACW Species <u>25</u> x 2 = <u>50</u> FAC Species <u>37.1</u> x 3 = <u>111.3</u> FACU Species <u>2.1</u> x 4 = <u>8.4</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>77.3</u> (A) <u>182.8</u> (B) Prevalence Index = B/A = <u>2.365</u>
1. <u>Salix pulchra</u>	25	<input checked="" type="checkbox"/>	FACW	
2. <u>Salix barclayi</u>	25	<input checked="" type="checkbox"/>	FAC	
3. <u>Picea glauca</u>	1	<input type="checkbox"/>	FACU	
4. <u>Betula neoalaskana</u>	0.1	<input type="checkbox"/>	FACU	
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:		51.1		
Herb Stratum				
	50% of Total Cover: <u>25.55</u>	20% of Total Cover: <u>10.22</u>		Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Carex utriculata</u>	10	<input checked="" type="checkbox"/>	OBL	
2. <u>Calamagrostis canadensis</u>	10	<input checked="" type="checkbox"/>	FAC	
3. <u>Carex aquatilis</u>	3	<input type="checkbox"/>	OBL	
4. <u>Polemonium acutiflorum</u>	1	<input type="checkbox"/>	FAC	
5. <u>Rubus arcticus</u>	1	<input type="checkbox"/>	FAC	
6. <u>Equisetum arvense</u>	0.1	<input type="checkbox"/>	FAC	
7. <u>Comarum palustre</u>	0.1	<input type="checkbox"/>	OBL	
8. <u>Equisetum fluviatile</u>	0.1	<input type="checkbox"/>	OBL	
9. <u>Chamerion angustifolium</u>	0.1	<input type="checkbox"/>	FACU	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		25.4		
	50% of Total Cover: <u>12.7</u>	20% of Total Cover: <u>5.08</u>		

Remarks: trace unid ferns and viola sp.

