

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: % / 3.7 ° Elevation: 476
 Subregion: Southcentral Alaska Lat.: 62.9351195102 Long.: -149.602361559 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:	

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

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Picea glauca</u>	1	<input type="checkbox"/>	FACU	Number of Dominant Species That are OBL, FACW, or FAC:	4 (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata:	4 (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC:	100.0% (A/B)
4. _____	0	<input type="checkbox"/>	_____		
5. _____	0	<input type="checkbox"/>	_____		
Total Cover:			1		
Sapling/Shrub Stratum	50% of Total Cover: 0.5	20% of Total Cover: 0.2			
1. <u>Salix pulchra</u>	25	<input checked="" type="checkbox"/>	FACW	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>	
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: 25.55	20% of Total Cover: 10.22			
1. <u>Carex utriculata</u>	10	<input checked="" type="checkbox"/>	OBL	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.	
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>Chamaenerion angustifolium</u>	0.1	<input type="checkbox"/>	FACU		
10. _____	0	<input type="checkbox"/>	_____		
Total Cover:			25.4	Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground _____ Total Cover of Bryophytes _____	
50% of Total Cover:	12.7	20% of Total Cover:	5.08		

Remarks: trace unid ferns and viola sp. total tree cover <5% thus no dominant tree species.

