

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 09-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T107_05
 Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Swale
 Local relief (concave, convex, none): flat Slope: 2.0 % / 1.1 ° Elevation: 741
 Subregion: Interior Alaska Mountains Lat.: 62.862111926 Long.: -148.117061496 Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: PEM1F**

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: time=1240, photo #s1497-99. PEM1H? carex-dominated drainageway w standing water. water flowing, but no channel morphology (bed and bank). southern aspect picgla bank is non-wetland. moose and caribou scat, ruby-crowned kinglet singing.	

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>5</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>100.0%</u> (A/B)
1. <u>Picea mariana</u>	<u>1</u>	<input checked="" type="checkbox"/>	FACW	
2. _____	<u>0</u>	<input type="checkbox"/>	_____	
3. _____	<u>0</u>	<input type="checkbox"/>	_____	
4. _____	<u>0</u>	<input type="checkbox"/>	_____	
5. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>1</u>		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>75.1</u> x 1 = <u>75.1</u> FACW Species <u>4</u> x 2 = <u>8</u> FAC Species <u>12</u> x 3 = <u>36</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>91.1</u> (A) <u>119.1</u> (B) Prevalence Index = B/A = <u>1.307</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>0.5</u> 20% of Total Cover: <u>0.2</u>				
1. <u>Betula nana</u>	<u>5</u>	<input checked="" type="checkbox"/>	FAC	
2. <u>Dasiphora fruticosa</u>	<u>5</u>	<input checked="" type="checkbox"/>	FAC	
3. <u>Salix pulchra</u>	<u>3</u>	<input checked="" type="checkbox"/>	FACW	
4. <u>Picea mariana</u>	<u>0.1</u>	<input type="checkbox"/>	FACW	
5. _____	<u>0</u>	<input type="checkbox"/>	_____	
6. _____	<u>0</u>	<input type="checkbox"/>	_____	
7. _____	<u>0</u>	<input type="checkbox"/>	_____	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>13.1</u>		
Herb Stratum 50% of Total Cover: <u>6.55</u> 20% of Total Cover: <u>2.62</u>				
1. <u>Carex aquatilis</u>	<u>50</u>	<input checked="" type="checkbox"/>	OBL	
2. <u>Equisetum fluviatile</u>	<u>15</u>	<input type="checkbox"/>	OBL	
3. <u>Comarum palustre</u>	<u>10</u>	<input type="checkbox"/>	OBL	
4. <u>Calamagrostis canadensis</u>	<u>2</u>	<input type="checkbox"/>	FAC	
5. <u>Eriophorum angustifolium</u>	<u>0.1</u>	<input type="checkbox"/>	OBL	
6. <u>Carex loliacea</u>	<u>0.1</u>	<input type="checkbox"/>	OBL	
7. _____	<u>0</u>	<input type="checkbox"/>	_____	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>77.2</u>		
50% of Total Cover: <u>38.6</u> 20% of Total Cover: <u>15.44</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) 10m
 % Cover of Wetland Bryophytes (Where applicable) _____
 % Bare Ground 40
 Total Cover of Bryophytes 5

Hydrophytic Vegetation Present? Yes No

Remarks: bare ground =water

