

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 20-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T300_08
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): Toeslope
 Local relief (concave, convex, none): hummocky Slope: 1.7 % / 1.0 ° Elevation: _____
 Subregion: Interior Alaska Mountains Lat.: _____ Long.: _____ Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: PSS1/EM1F**

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: Floodplain terrace acting like a toeslope, adjacent to Susitna River.	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				
1. _____	_____	<input type="checkbox"/>	_____	
2. _____	_____	<input type="checkbox"/>	_____	
3. _____	_____	<input type="checkbox"/>	_____	
4. _____	_____	<input type="checkbox"/>	_____	
5. _____	_____	<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>
1. <u>Salix pulchra</u>	<u>20</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
2. <u>Alnus viridis ssp. sinuata</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
3. <u>Vaccinium vitis-idaea</u>	<u>8</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
4. <u>Betula glandulosa</u>	<u>8</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
5. <u>Picea mariana</u>	<u>8</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
6. <u>Betula occidentalis</u>	<u>5</u>	<input type="checkbox"/>	<u>FAC</u>	
7. <u>Myrica gale</u>	<u>4</u>	<input type="checkbox"/>	<u>OBL</u>	
8. <u>Dasiphora fruticosa</u>	<u>2</u>	<input type="checkbox"/>	<u>FAC</u>	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>65</u>		
Herb Stratum				
	50% of Total Cover:	<u>32.5</u>	20% of Total Cover:	<u>13</u>
1. <u>Comarum palustre</u>	<u>15</u>	<input checked="" type="checkbox"/>	<u>OBL</u>	
2. <u>Carex aquatilis</u>	<u>15</u>	<input checked="" type="checkbox"/>	<u>OBL</u>	
3. <u>Calamagrostis canadensis</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
4. <u>Caltha palustris</u>	<u>2</u>	<input type="checkbox"/>	<u>OBL</u>	
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>42</u>		
	50% of Total Cover:	<u>21</u>	20% of Total Cover:	<u>8.4</u>

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 8 (A)
 Total Number of Dominant Species Across All Strata: 8 (B)
 Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:
 Total % Cover of: Multiply by:
 OBL Species 36 x 1 = 36
 FACW Species 28 x 2 = 56
 FAC Species 43 x 3 = 129
 FACU Species 0 x 4 = 0
 UPL Species 0 x 5 = 0
 Column Totals: 107 (A) 221 (B)
 Prevalence Index = B/A = 2.065

Hydrophytic Vegetation Indicators:
 Dominance Test is > 50%
 Prevalence Index is ≤ 3.0
 Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation (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 50
 Total Cover of Bryophytes 0

Hydrophytic Vegetation Present? Yes No

Remarks: Bare ground is water and litte. Many standing and downed dead trees.

