

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 21-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T303_08
 Investigator(s): WAD, SCB Landform (hillside, terrace, hummocks etc.): Toeslope
 Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: _____
 Subregion: Interior Alaska Mountains Lat.: _____ Long.: _____ Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: PEM1E**

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"/>	<p align="center">Is the Sampled Area within a Wetland?</p> Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: <u>Low-lying area, appears that water level has decreased recently.</u>	

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>3</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>75.0%</u> (A/B)
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>				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>32.2</u> x 1 = <u>32.2</u> FACW Species <u>31.2</u> x 2 = <u>62.40</u> FAC Species <u>4.2</u> x 3 = <u>12.6</u> FACU Species <u>5</u> x 4 = <u>20</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>72.6</u> (A) <u>127.2</u> (B) Prevalence Index = B/A = <u>1.752</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>				
1. <u>Picea glauca</u>	<u>5</u>	<input checked="" type="checkbox"/>	<u>FACU</u>	
2. <u>Betula nana</u>	<u>3</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
3. <u>Salix pulchra</u>	<u>1</u>	<input type="checkbox"/>	<u>FACW</u>	
4. <u>Vaccinium uliginosum</u>	<u>1</u>	<input type="checkbox"/>	<u>FAC</u>	
5. <u>Salix fuscescens</u>	<u>0.1</u>	<input type="checkbox"/>	<u>FACW</u>	
6. <u>Rhododendron groenlandicum</u>	<u>0.1</u>	<input type="checkbox"/>	<u>FAC</u>	
7. <u>Andromeda polifolia(IAM)</u>	<u>0.1</u>	<input type="checkbox"/>	<u>OBL</u>	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover: <u>10.3</u>				
Herb Stratum 50% of Total Cover: <u>5.15</u> 20% of Total Cover: <u>2.06</u>				
1. <u>Carex saxatilis</u>	<u>30</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
2. <u>Carex utriculata</u>	<u>20</u>	<input checked="" type="checkbox"/>	<u>OBL</u>	
3. <u>Carex limosa</u>	<u>10</u>	<input type="checkbox"/>	<u>OBL</u>	
4. <u>Sparganium angustifolium</u>	<u>2</u>	<input type="checkbox"/>	<u>OBL</u>	
5. <u>Comarum palustre</u>	<u>0.1</u>	<input type="checkbox"/>	<u>OBL</u>	
6. <u>Calamagrostis canadensis</u>	<u>0.1</u>	<input type="checkbox"/>	<u>FAC</u>	
7. <u>Carex membranacea</u>	<u>0.1</u>	<input type="checkbox"/>	<u>FACW</u>	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover: <u>62.3</u>				
50% of Total Cover: <u>31.15</u> 20% of Total Cover: <u>12.46</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 (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 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) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>40</u> Total Cover of Bryophytes <u>5</u>				
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>				

Remarks:

