

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 22-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T210_06
 Investigator(s): WAD, SCB Landform (hillside, terrace, hummocks etc.): drainage
 Local relief (concave, convex, none): hummocky Slope: 8.7 % / 5.0 ° Elevation: _____
 Subregion: Interior Alaska Mountains Lat.: _____ Long.: _____ Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: PSS1/EM1E

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.

	Absolute % Cover	Dominant Species?	Indicator Status		
Tree Stratum					
1. _____	_____	<input type="checkbox"/>	_____	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>3</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)	
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>35</u> x 1 = <u>35</u> FACW Species <u>15.2</u> x 2 = <u>30.40</u> FAC Species <u>33.1</u> x 3 = <u>99.3</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>83.3</u> (A) <u>164.7</u> (B) Prevalence Index = B/A = <u>1.977</u>	
Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>					
1. <u>Salix barclayi</u>	<u>30</u>	<input checked="" type="checkbox"/>	FAC		
2. <u>Salix pulchra</u>	<u>10</u>	<input checked="" type="checkbox"/>	FACW		
3. <u>Picea mariana</u>	<u>5</u>	<input type="checkbox"/>	FACW		
4. <u>Vaccinium uliginosum</u>	<u>1</u>	<input type="checkbox"/>	FAC		
5. <u>Salix myrtilifolia</u>	<u>0.1</u>	<input type="checkbox"/>	FACW		
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>46.1</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.	
Herb Stratum 50% of Total Cover: <u>23.05</u> 20% of Total Cover: <u>9.22</u>					
1. <u>Equisetum fluviatile</u>	<u>30</u>	<input checked="" type="checkbox"/>	OBL		
2. <u>Comarum palustre</u>	<u>5</u>	<input type="checkbox"/>	OBL		
3. <u>Viola palustris(IAM)</u>	<u>1</u>	<input type="checkbox"/>	FAC		
4. <u>Calamagrostis canadensis</u>	<u>1</u>	<input type="checkbox"/>	FAC		
5. <u>Petasites frigidus</u>	<u>0.1</u>	<input type="checkbox"/>	FACW		
6. <u>Cornus suecica</u>	<u>0.1</u>	<input type="checkbox"/>	FAC		
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>37.2</u>		Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>5</u> Total Cover of Bryophytes <u>50</u> Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	
50% of Total Cover:		<u>18.6</u>	20% of Total Cover: <u>7.44</u>		

Remarks: willow-equisetum fen, a few mossy hummocks with ericaceous shrubs

