

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 30-Jul-13  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13\_T172\_10  
 Investigator(s): WAD, RWM Landform (hillside, terrace, hummocks etc.): Flat  
 Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° Elevation: 880  
 Subregion: Interior Alaska Mountains Lat.: 63.281491637 Long.: -148.25681746 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"/>	<b>Is the Sampled Area within a Wetland?</b> 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	<b>Dominance Test worksheet:</b>	
1. _____	0	<input type="checkbox"/>	_____	Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A)	
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>1</u> (B)	
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)	
4. _____	0	<input type="checkbox"/>	_____		
5. _____	0	<input type="checkbox"/>	_____		
<b>Total Cover:</b> <u>0</u>				<b>Prevalence Index worksheet:</b>	
<b>Sapling/Shrub Stratum</b>		50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>		Total % Cover of: Multiply by:	
1. <u>Dasiphora fruticosa</u>	0.1	<input type="checkbox"/>	FAC	OBL Species <u>40</u> x 1 = <u>40</u>	
2. <u>Andromeda polifolia (IAM)</u>	0.1	<input type="checkbox"/>	OBL	FACW Species <u>2</u> x 2 = <u>4</u>	
3. <u>Vaccinium oxycoccos</u>	0.1	<input type="checkbox"/>	OBL	FAC Species <u>3</u> x 3 = <u>9</u>	
4. <u>Vaccinium uliginosum</u>	0.1	<input type="checkbox"/>	FAC	FACU Species <u>0</u> x 4 = <u>0</u>	
5. <u>Betula nana</u>	0.1	<input type="checkbox"/>	FAC	UPL Species <u>0</u> x 5 = <u>0</u>	
6. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>45</u> (A) <u>53</u> (B)	
7. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>1.178</u>	
8. _____	0	<input type="checkbox"/>	_____		
9. _____	0	<input type="checkbox"/>	_____		
10. _____	0	<input type="checkbox"/>	_____		
<b>Total Cover:</b> <u>0.5</u>				<b>Hydrophytic Vegetation Indicators:</b>	
<b>Herb Stratum</b>		50% of Total Cover: <u>0.25</u> 20% of Total Cover: <u>0.1</u>		<input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
1. <u>Eriophorum scheuchzeri</u>	5	<input type="checkbox"/>	OBL	<sup>1</sup> 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 _____ Total Cover of Bryophytes _____	
2. <u>Carex aquatilis</u>	25	<input checked="" type="checkbox"/>	OBL		
3. <u>Saussurea angustifolia</u>	1	<input type="checkbox"/>	FAC		
4. <u>Eriophorum angustifolium</u>	5	<input type="checkbox"/>	OBL		
5. <u>Trichophorum caespitosum</u>	5	<input type="checkbox"/>	OBL		
6. <u>Dodecatheon pulchellum</u>	1	<input type="checkbox"/>	FACW		
7. <u>Carex bigelowii</u>	2	<input type="checkbox"/>	FAC		
8. <u>Parnassia palustris</u>	1	<input type="checkbox"/>	FACW		
9. <u>Rubus chamaemorus</u>	0.1	<input type="checkbox"/>	FACW		
10. _____	0	<input type="checkbox"/>	_____		
<b>Total Cover:</b> <u>45.1</u>				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>	
50% of Total Cover: <u>22.55</u> 20% of Total Cover: <u>9.02</u>					

Remarks: shrub covers missing arrival of helo, lands in plot.

