

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 25-Jun-12  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12\_T28\_04  
 Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Flat  
 Local relief (concave, convex, none): convex Slope: 0.0 % / 0.0 ° Elevation: 734  
 Subregion: Interior Alaska Mountains Lat.: 62.8686199085 Long.: -148.369539972 Datum: WGS84  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: PSS3/EM1B

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.

<u>Tree Stratum</u>	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>4</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>4</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>Ledum decumbens</u>	10	<input checked="" type="checkbox"/>	FACW	OBL Species <u>47</u> x 1 = <u>47</u>
2. <u>Vaccinium uliginosum</u>	10	<input checked="" type="checkbox"/>	FAC	FACW Species <u>10</u> x 2 = <u>20</u>
3. <u>Empetrum nigrum</u>	2	<input type="checkbox"/>	FAC	FAC Species <u>19</u> x 3 = <u>57</u>
4. <u>Andromeda polifolia (IAM)</u>	10	<input checked="" type="checkbox"/>	OBL	FACU Species <u>0</u> x 4 = <u>0</u>
5. <u>Betula nana</u>	5	<input type="checkbox"/>	FAC	UPL Species <u>0</u> x 5 = <u>0</u>
6. <u>Vaccinium vitis-idaea</u>	2	<input type="checkbox"/>	FAC	Column Totals: <u>76</u> (A) <u>124</u> (B)
7. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>1.632</u>
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b> <u>39</u>				<b>Hydrophytic Vegetation Indicators:</b>
<b>Herb Stratum</b>	50% of Total Cover: <u>19.5</u>	20% of Total Cover: <u>7.8</u>		<input checked="" type="checkbox"/> Dominance Test is > 50%
1. <u>Trichophorum caespitosum</u>	35	<input checked="" type="checkbox"/>	OBL	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Eriophorum angustifolium</u>	2	<input type="checkbox"/>	OBL	<input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
3. _____	0	<input type="checkbox"/>	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
4. _____	0	<input type="checkbox"/>	_____	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. _____	0	<input type="checkbox"/>	_____	Plot size (radius, or length x width) <u>10m</u>
6. _____	0	<input type="checkbox"/>	_____	% Cover of Wetland Bryophytes (Where applicable) <u>10</u>
7. _____	0	<input type="checkbox"/>	_____	% Bare Ground <u>5</u>
8. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>20</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b> <u>37</u>				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>18.5</u>	20% of Total Cover: <u>7.4</u>			

Remarks: lycann picmar (low scrub) pedlab rubcha unk forb (fleshy) all traces. lichen 15%

