

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 31-Jul-12  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12\_T46\_05  
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Swale  
 Local relief (concave, convex, none): concave Slope: 5.2 % / 3.0 ° Elevation: 890  
 Subregion: Interior Alaska Mountains Lat.: 62.6873132445 Long.: -147.653706647 Datum: WGS84  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: **PEM1F**

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.

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b>				<b>Dominance Test worksheet:</b> Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
1. _____	0	<input type="checkbox"/>	_____	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		<u>0</u>		<b>Prevalence Index worksheet:</b> Total % Cover of: Multiply by: OBL Species <u>80</u> x 1 = <u>80</u> FACW Species <u>10</u> x 2 = <u>20</u> FAC Species <u>6</u> x 3 = <u>18</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>96</u> (A) <u>118</u> (B) Prevalence Index = B/A = <u>1.229</u>
<b>Sapling/Shrub Stratum</b>		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. <u>Salix pulchra</u>	10	<input checked="" type="checkbox"/>	FACW	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
6. _____	0	<input type="checkbox"/>	_____	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		<u>10</u>		
<b>Herb Stratum</b>		50% of Total Cover: <u>5</u>	20% of Total Cover: <u>2</u>	<b>Hydrophytic Vegetation Indicators:</b> <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) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Carex aquatilis</u>	70	<input checked="" type="checkbox"/>	OBL	
2. <u>Carex canescens (IAM)</u>	3	<input type="checkbox"/>	FAC	
3. <u>Comarum palustre</u>	10	<input type="checkbox"/>	OBL	
4. <u>Calamagrostis canadensis</u>	3	<input type="checkbox"/>	FAC	
5. _____	0	<input type="checkbox"/>	_____	
6. _____	0	<input type="checkbox"/>	_____	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		<u>86</u>		
50% of Total Cover:		<u>43</u>	20% of Total Cover: <u>17.2</u>	
Remarks: <u>trace Poa arctica ssp arctica</u>				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>

