

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 27-Jun-12  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12\_T24\_01  
 Investigator(s): SLI, LMF Landform (hillside, terrace, hummocks etc.): Plateau  
 Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: 813  
 Subregion: Copper River Basin Lat.: 62.6533199081 Long.: -147.379899976 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: several pronounced hummocks with shrubby vegetation, majority of community level wet sedge herbaceous meadow. moose tracks and scat. one large male black bear observed near at plots due west of here. one coyote observed from helicopter in drier areas adjacent to plot.	

**VEGETATION** -Use scientific names of plants. List all species in the plot.

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b>				
1. _____	0	<input type="checkbox"/>	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That are OBL, FACW, or FAC: <u>4</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>100.0%</u> (A/B)
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		0		
<b>Sapling/Shrub Stratum</b>				
	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		<b>Prevalence Index worksheet:</b> Total % Cover of: Multiply by: OBL Species <u>66</u> x 1 = <u>66</u> FACW Species <u>2</u> x 2 = <u>4</u> FAC Species <u>5</u> x 3 = <u>15</u> FACU Species <u>1</u> x 4 = <u>4</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>74</u> (A) <u>89</u> (B) Prevalence Index = B/A = <u>1.203</u>
1. <u>Salix reticulata</u>	2	<input checked="" type="checkbox"/>	FAC	
2. <u>Betula nana</u>	2	<input checked="" type="checkbox"/>	FAC	
3. <u>Andromeda polifolia(CRP)</u>	1	<input type="checkbox"/>	OBL	
4. <u>Ledum decumbens</u>	2	<input checked="" type="checkbox"/>	FACW	
5. <u>Picea glauca</u>	1	<input type="checkbox"/>	FACU	
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>		8		
<b>Herb Stratum</b>				
	50% of Total Cover: <u>4</u>	20% of Total Cover: <u>1.6</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>Trichophorum caespitosum</u>	50	<input checked="" type="checkbox"/>	OBL	
2. <u>Carex aquatilis</u>	10	<input type="checkbox"/>	OBL	
3. <u>Tofieldia coccinea</u>	1	<input type="checkbox"/>	FAC	
4. <u>Carex rariflora</u>	5	<input type="checkbox"/>	OBL	
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>		66		
	50% of Total Cover: <u>33</u>	20% of Total Cover: <u>13.2</u>		
Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>10</u> Total Cover of Bryophytes <u>85</u>				
<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>				
Remarks: nuphar scattered throughout pond, mentri at pond margin. numerous cyripedium orchids in drier community at western bound. possibly other sedge species, but no other seed heads. emergent community to the SE dominated by eriang.				

