

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 03-Aug-12  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12\_T38\_02  
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Shoreline  
 Local relief (concave, convex, none): flat Slope: % / 2.3 ° Elevation: 527  
 Subregion: Southcentral Alaska Lat.: 62.8392616514 Long.: -149.528592372 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ **NWI classification: PEM1H**

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: shallow water zone of pond, see notes for SW12_T38_01 for description of overall community.	

**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>64</u> x 1 = <u>64</u> FACW Species <u>5</u> x 2 = <u>10</u> FAC Species <u>0</u> x 3 = <u>0</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>69</u> (A) <u>74</u> (B) Prevalence Index = B/A = <u>1.072</u>
<b>Sapling/Shrub Stratum</b>	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		
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"/>	_____	
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>0</u>				
<b>Herb Stratum</b>	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		
1. <u>Carex aquatilis</u>	40	<input checked="" type="checkbox"/>	OBL	
2. <u>Arctagrostis latifolia</u>	5	<input type="checkbox"/>	FACW	
3. <u>Comarum palustre</u>	3	<input type="checkbox"/>	OBL	
4. <u>Equisetum fluviatile</u>	1	<input type="checkbox"/>	OBL	
5. <u>Carex magellanica</u>	20	<input checked="" type="checkbox"/>	OBL	
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>69</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)
50% of Total Cover: <u>34.5</u>	20% of Total Cover: <u>13.8</u>			
Remarks: trace salix fuscescens.				Plot size (radius, or length x width) <u>2x5m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>90</u> Total Cover of Bryophytes <u>5</u> <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>

