

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 04-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T133_06
 Investigator(s): WAD, RWM Landform (hillside, terrace, hummocks etc.): depression
 Local relief (concave, convex, none): _____ Slope: % / 4.5 ° Elevation: 742
 Subregion: Interior Alaska Mountains Lat.: 62.9161815636 Long.: -148.079970838 Datum: NAD83
 Soil Map Unit Name: _____ **NWI classification: PUBH**

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"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: lake forming by impoundment of surface water by glacial till deposits. steep banks comprise till material on 3 sides.	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				
1. _____	0	<input type="checkbox"/>	_____	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</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"/>	_____	
Total Cover:	0			
Sapling/Shrub Stratum				
	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>34</u> x 1 = <u>34</u> FACW Species <u>0</u> x 2 = <u>0</u> FAC Species <u>2</u> x 3 = <u>6</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>36</u> (A) <u>40</u> (B) Prevalence Index = B/A = <u>1.111</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"/>	_____	
Total Cover:	0			
Herb Stratum				
	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Carex aquatilis</u>	20	<input checked="" type="checkbox"/>	OBL	
2. <u>Comarum palustre</u>	5	<input type="checkbox"/>	OBL	
3. <u>Sparganium hyperboreum</u>	5	<input type="checkbox"/>	OBL	
4. <u>Hippuris vulgaris</u>	4	<input type="checkbox"/>	OBL	
5. <u>Calamagrostis canadensis</u>	2	<input type="checkbox"/>	FAC	
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"/>	_____	
Total Cover:	36			
	50% of Total Cover: <u>18</u>	20% of Total Cover: <u>7.2</u>		

Remarks: floating mat of sparganium in center

