

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 07-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T36_03
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Footslope
 Local relief (concave, convex, none): flat Slope: 0.0 % / 1.0 ° Elevation: 369
 Subregion: Southcentral Alaska Lat.: 62.7754315787 Long.: -149.642809969 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"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: <u>sedge community near center of beaver-modified (created?) wetland. conspicuous calcan ring, salix ring surround sedge community.</u>	

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>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)	
2. _____	0	<input type="checkbox"/>	_____		
3. _____	0	<input type="checkbox"/>	_____		
4. _____	0	<input type="checkbox"/>	_____		
5. _____	0	<input type="checkbox"/>	_____		
Total Cover:		0		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>81</u> x 1 = <u>81</u> FACW Species <u>1</u> x 2 = <u>2</u> FAC Species <u>1</u> x 3 = <u>3</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>83</u> (A) <u>86</u> (B) Prevalence Index = B/A = <u>1.036</u>	
Sapling/Shrub Stratum 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"/>	_____		
Total Cover:		0			
Herb Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>					
1. <u>Carex aquatilis</u>	50	<input checked="" type="checkbox"/>	OBL	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) <small>¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</small>	
2. <u>Carex utriculata</u>	20	<input checked="" type="checkbox"/>	OBL		
3. <u>Equisetum fluviatile</u>	1	<input type="checkbox"/>	OBL		
4. <u>Comarum palustre</u>	10	<input type="checkbox"/>	OBL		
5. <u>Equisetum palustre</u>	1	<input type="checkbox"/>	FACW		
6. <u>Calamagrostis canadensis</u>	1	<input type="checkbox"/>	FAC		
7. _____	0	<input type="checkbox"/>	_____		
8. _____	0	<input type="checkbox"/>	_____		
9. _____	0	<input type="checkbox"/>	_____		
10. _____	0	<input type="checkbox"/>	_____		
Total Cover:		83			
50% of Total Cover:		41.5	20% of Total Cover: <u>16.6</u>		

Remarks: trace epilobium sp. bare ground includes open water

