

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 30-Jul-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T49_01
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Flat
 Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: 740
 Subregion: Interior Alaska Mountains Lat.: 62.8091165784 Long.: -148.423206643 Datum: WGS84
 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"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: PEM1H with shallow standing water. similar communities intermixed with adjacent picmar.	

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

<u>Tree Stratum</u>	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	0	<input type="checkbox"/>	_____	Number of Dominant Species That are OBL, FACW, or FAC: <u>8</u> (A) Total Number of Dominant Species Across All Strata: <u>8</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: <u>0</u>				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL Species <u>76</u> x 1 = <u>76</u> FACW Species <u>0</u> x 2 = <u>0</u> FAC Species <u>4</u> x 3 = <u>12</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>80</u> (A) <u>88</u> (B) Prevalence Index = B/A = <u>1.100</u>
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		
1. <u>Betula nana</u>	3	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium uliginosum</u>	1	<input checked="" type="checkbox"/>	FAC	
3. <u>Andromeda polifolia (IAM)</u>	1	<input checked="" type="checkbox"/>	OBL	
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: <u>5</u>				
Herb Stratum	50% of Total Cover: <u>2.5</u>	20% of Total Cover: <u>1</u>		
1. <u>Carex limosa</u>	10	<input checked="" type="checkbox"/>	OBL	
2. <u>Carex rotundata</u>	10	<input checked="" type="checkbox"/>	OBL	
3. <u>Trichophorum caespitosum</u>	15	<input checked="" type="checkbox"/>	OBL	
4. <u>Utricularia intermedia</u>	10	<input checked="" type="checkbox"/>	OBL	
5. <u>Drosera anglica</u>	1	<input type="checkbox"/>	OBL	
6. <u>Juncus stygius</u>	7	<input type="checkbox"/>	OBL	
7. <u>Carex livida</u>	5	<input type="checkbox"/>	OBL	
8. <u>Eriophorum scheuchzeri</u>	15	<input checked="" type="checkbox"/>	OBL	
9. <u>Eriophorum angustifolium</u>	2	<input type="checkbox"/>	OBL	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>75</u>				
50% of Total Cover: <u>37.5</u>	20% of Total Cover: <u>15</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 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>5</u> Total Cover of Bryophytes <u>10</u>				
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>				

Remarks: bare ground includes open water. trace leddec. carliv id based on leaf coloration due to dense papillae. eriang id based on purple-red lvs and base. collected carex, eriophorum, and utricularata for confirmation.

