

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 19-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T29_17
 Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Lowland
 Local relief (concave, convex, none): flat Slope: 3.5 % / 2.0 ° Elevation: 704
 Subregion: Southcentral Alaska Lat.: 62.7828099087 Long.: -148.811289969 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: **PEM1F**

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: floating sphagnum mat at kettle pond margin	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>83.3%</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"/>	_____	
Total Cover: <u>0</u>				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>75</u> x 1 = <u>75</u> FACW Species <u>2</u> x 2 = <u>4</u> FAC Species <u>3</u> x 3 = <u>9</u> FACU Species <u>1</u> x 4 = <u>4</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>81</u> (A) <u>92</u> (B) Prevalence Index = B/A = <u>1.136</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>				
1. <u>Betula nana</u>	2	<input checked="" type="checkbox"/>	FAC	
2. <u>Picea glauca</u>	1	<input checked="" type="checkbox"/>	FACU	
3. <u>Andromeda polifolia</u>	1	<input checked="" type="checkbox"/>	FACW	
4. <u>Vaccinium uliginosum</u>	1	<input checked="" type="checkbox"/>	FAC	
5. <u>Salix myrtilifolia</u>	1	<input checked="" type="checkbox"/>	FACW	
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>6</u>				
Herb Stratum 50% of Total Cover: <u>3</u> 20% of Total Cover: <u>1.2</u>				
1. <u>Carex aquatilis</u>	50	<input checked="" type="checkbox"/>	OBL	
2. <u>Carex utriculata</u>	10	<input type="checkbox"/>	OBL	
3. <u>Menyanthes trifoliata</u>	5	<input type="checkbox"/>	OBL	
4. <u>Eriophorum angustifolium</u>	5	<input type="checkbox"/>	OBL	
5. <u>Carex rariflora</u>	5	<input 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"/>	_____	
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>25</u> Total Cover of Bryophytes <u>70</u>				
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>				
Remarks: trace pedicularis. carutr is unidentified carex species				

