

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 25-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T21_03
 Investigator(s): SLI, LMF Landform (hillside, terrace, hummocks etc.): Lowland
 Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: 753
 Subregion: Interior Alaska Mountains Lat.: 62.7832599084 Long.: -148.608999971 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: small, deeply incised slow velocity stream flowing through PEM1E wetland at gps point. 1-2ft wide, 2-3ft deep.	

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>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: <u>0</u>				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>31</u> x 1 = <u>31</u> FACW Species <u>22</u> x 2 = <u>44</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>53</u> (A) <u>75</u> (B) Prevalence Index = B/A = <u>1.415</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: <u>0</u>				
Herb Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		
1. <u>Eriophorum angustifolium</u>	5	<input type="checkbox"/>	OBL	
2. <u>Eriophorum russeolum</u>	20	<input checked="" type="checkbox"/>	FACW	
3. <u>Carex aquatilis</u>	25	<input checked="" type="checkbox"/>	OBL	
4. <u>Salix myrtilifolia</u>	2	<input type="checkbox"/>	FACW	
5. <u>Andromeda polifolia (IAM)</u>	1	<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>53</u>				
	50% of Total Cover: <u>26.5</u>	20% of Total Cover: <u>10.6</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)
Total Cover: <u>53</u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	50% of Total Cover: <u>26.5</u>	20% of Total Cover: <u>10.6</u>		Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>60</u> Total Cover of Bryophytes <u>35</u>
				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>

Remarks: trace picgla (1 seedling). Salmyr and andpol in herb stratum, as shrub stratum total cover <5%. bryophytes dominated by liverworts.

