

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 21-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T33_06
 Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Swale
 Local relief (concave, convex, none): hummocky Slope: 3.5 % / 2.0 ° Elevation: 710
 Subregion: Interior Alaska Mountains Lat.: 62.7834599087 Long.: -148.397979972 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>wet sedge drainageway</u>	

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

Tree Stratum	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>4</u> (A)	
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>4</u> (B)	
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)	
4. _____	0	<input type="checkbox"/>	_____		
5. _____	0	<input type="checkbox"/>	_____		
Total Cover: <u>0</u>				Prevalence Index worksheet:	
Sapling/Shrub Stratum		50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>		Total % Cover of: Multiply by:	
1. <u>Andromeda polifolia (IAM)</u>	1	<input type="checkbox"/>	OBL	OBL Species <u>42</u> x 1 = <u>42</u>	
2. <u>Betula nana</u>	1	<input type="checkbox"/>	FAC	FACW Species <u>22</u> x 2 = <u>44</u>	
3. <u>Dasiphora fruticosa</u>	1	<input type="checkbox"/>	FAC	FAC Species <u>15</u> x 3 = <u>45</u>	
4. <u>Empetrum nigrum</u>	2	<input checked="" type="checkbox"/>	FAC	FACU Species <u>0</u> x 4 = <u>0</u>	
5. <u>Ledum decumbens</u>	2	<input checked="" type="checkbox"/>	FACW	UPL Species <u>0</u> x 5 = <u>0</u>	
6. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>79</u> (A) <u>131</u> (B)	
7. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>1.658</u>	
8. _____	0	<input type="checkbox"/>	_____		
9. _____	0	<input type="checkbox"/>	_____		
10. _____	0	<input type="checkbox"/>	_____		
Total Cover: <u>7</u>				Hydrophytic Vegetation Indicators:	
Herb Stratum		50% of Total Cover: <u>3.5</u> 20% of Total Cover: <u>1.4</u>		<input checked="" type="checkbox"/> Dominance Test is > 50%	
1. <u>Carex aquatilis</u>	10	<input type="checkbox"/>	OBL	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0	
2. <u>Eriophorum russeolum</u>	20	<input checked="" type="checkbox"/>	FACW	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
3. <u>Trichophorum caespitosum</u>	10	<input type="checkbox"/>	OBL	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
4. <u>Carex bigelowii</u>	10	<input type="checkbox"/>	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
5. <u>Eriophorum angustifolium</u>	20	<input checked="" type="checkbox"/>	OBL	Plot size (radius, or length x width) <u>10m</u>	
6. <u>Tofieldia pusilla</u>	1	<input type="checkbox"/>	FAC	% Cover of Wetland Bryophytes (Where applicable) _____	
7. <u>Pinguicula vulgaris</u>	1	<input type="checkbox"/>	OBL	% Bare Ground <u>40</u>	
8. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>20</u>	
9. _____	0	<input type="checkbox"/>	_____		
10. _____	0	<input type="checkbox"/>	_____		
Total Cover: <u>72</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	
50% of Total Cover: <u>36</u> 20% of Total Cover: <u>14.4</u>					

Remarks: trace unid herbs. included unid carex as % carbig, assuming they are all FAC or wetter, pressed for later id. shrubs on small hummocks.

