

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: % / 0.4 ° Elevation: 721
 Subregion: Interior Alaska Mountains Lat.: 62.8091147975 Long.: -148.423182393 Datum: NAD83
 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.

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
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:	0		
Sapling/Shrub Stratum	50% of Total Cover: 0	20% of Total Cover: 0	
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:	5		
Herb Stratum	50% of Total Cover: 2.5	20% of Total Cover: 1	
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:	75		
	50% of Total Cover: 37.5	20% of Total Cover: 15	

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 8 (A)
 Total Number of Dominant Species Across All Strata: 8 (B)
 Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:
 Total % Cover of: Multiply by:
 OBL Species 76 x 1 = 76
 FACW Species 0 x 2 = 0
 FAC Species 4 x 3 = 12
 FACU Species 0 x 4 = 0
 UPL Species 0 x 5 = 0
 Column Totals: 80 (A) 88 (B)
 Prevalence Index = B/A = 1.100

Hydrophytic Vegetation Indicators:
 Dominance Test is > 50%
 Prevalence Index is ≤ 3.0
 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Plot size (radius, or length x width) 10m
 % Cover of Wetland Bryophytes (Where applicable) _____
 % Bare Ground 5
 Total Cover of Bryophytes 10

Hydrophytic Vegetation Present? Yes No

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.

