

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 01-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T143_04
 Investigator(s): WAD, RWM Landform (hillside, terrace, hummocks etc.): creek bank
 Local relief (concave, convex, none): hummocky Slope: % / 1.1 ° Elevation: 109
 Subregion: Interior Alaska Mountains Lat.: 63.2197526692 Long.: -148.213391186 Datum: NAD83
 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: bluejoint meadow at edge of small creek.	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				
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>Salix pulchra</u>	5	<input checked="" type="checkbox"/>	FACW	
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:		5		
Herb Stratum				
	50% of Total Cover:	2.5	20% of Total Cover:	1
1. <u>Calamagrostis canadensis</u>	45	<input checked="" type="checkbox"/>	FAC	
2. <u>Comarum palustre</u>	25	<input checked="" type="checkbox"/>	OBL	
3. <u>Equisetum arvense</u>	15	<input type="checkbox"/>	FAC	
4. <u>Carex aquatilis</u>	5	<input type="checkbox"/>	OBL	
5. <u>Rumex arcticus</u>	2	<input type="checkbox"/>	FAC	
6. <u>Polemonium acutiflorum</u>	1	<input type="checkbox"/>	FAC	
7. <u>Epilobium palustre</u>	1	<input type="checkbox"/>	OBL	
8. _____	0	<input type="checkbox"/>		
9. _____	0	<input type="checkbox"/>		
10. _____	0	<input type="checkbox"/>		
Total Cover:		94		
	50% of Total Cover:	47	20% of Total Cover:	18.8

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)
 Total Number of Dominant Species Across All Strata: 3 (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 31 x 1 = 31
 FACW Species 5 x 2 = 10
 FAC Species 63 x 3 = 189
 FACU Species 0 x 4 = 0
 UPL Species 0 x 5 = 0
 Column Totals: 99 (A) 230 (B)
 Prevalence Index = B/A = 2.323

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 _____
 Total Cover of Bryophytes _____

Hydrophytic Vegetation Present? Yes No

Remarks:

