

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 30-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T156_03
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): drainage
 Local relief (concave, convex, none): concave Slope: % / 15.3 ° Elevation: 109
 Subregion: Interior Alaska Mountains Lat.: 63.2941391735 Long.: -148.367158404 Datum: NAD83
 Soil Map Unit Name: _____ NWI classification: Upland

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 type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	<p align="center">Is the Sampled Area within a Wetland?</p> Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: _____	

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>	70	<input checked="" type="checkbox"/>	FACW	
2. <u>Vaccinium uliginosum</u>	20	<input checked="" type="checkbox"/>	FAC	
3. <u>Salix barclayi</u>	5	<input type="checkbox"/>	FAC	
4. <u>Spiraea stevenii</u>	3	<input type="checkbox"/>	FACU	
5. <u>Rhododendron tomentosum</u>	1	<input 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:		99		
Herb Stratum				
	50% of Total Cover:	49.5	20% of Total Cover:	19.8
1. <u>Sanguisorba canadensis</u>	15	<input checked="" type="checkbox"/>	FACW	
2. <u>Calamagrostis canadensis</u>	5	<input checked="" type="checkbox"/>	FAC	
3. <u>Geranium erianthum</u>	3	<input type="checkbox"/>	FACU	
4. <u>Festuca altaica</u>	3	<input type="checkbox"/>	FAC	
5. <u>Chamaenerion angustifolium</u>	2	<input type="checkbox"/>	FACU	
6. <u>Mertensia paniculata</u>	1	<input type="checkbox"/>	FACU	
7. <u>Polemonium acutiflorum</u>	1	<input type="checkbox"/>	FAC	
8. <u>Swertia perennis</u>	0.1	<input type="checkbox"/>	FACW	
9. <u>Stellaria longifolia</u>	0.1	<input type="checkbox"/>	FAC	
10. <u>Carex bigelowii</u>	0.1	<input type="checkbox"/>	FAC	
Total Cover:		30.3		
	50% of Total Cover:	15.15	20% of Total Cover:	6.06

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
 Total Number of Dominant Species Across All Strata: 4 (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 0 x 1 = 0
 FACW Species 86.1 x 2 = 172.2
 FAC Species 34.2 x 3 = 102.6
 FACU Species 9 x 4 = 36
 UPL Species 0 x 5 = 0
 Column Totals: 129.3 (A) 310.8 (B)
 Prevalence Index = B/A = 2.404

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 10

Hydrophytic Vegetation Present? Yes No

Remarks: acodel 0.1, rubarc 4

