

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 06-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T174_11
 Investigator(s): WAD, RWM Landform (hillside, terrace, hummocks etc.): landslide scap
 Local relief (concave, convex, none): concave Slope: % / 9.4 ° Elevation: 104
 Subregion: Interior Alaska Mountains Lat.: 63.3690949678 Long.: -148.570611954 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 type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks: flat debris area of a series of mass movement scars along ridge line.	

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>Spiraea stevenii</u>	10	<input type="checkbox"/>	FACU	
2. <u>Salix polaris</u>	35	<input checked="" type="checkbox"/>	FACW	
3. <u>Betula nana</u>	5	<input type="checkbox"/>	FAC	
4. <u>Salix pulchra</u>	5	<input type="checkbox"/>	FACW	
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:		55		
Herb Stratum	50% of Total Cover: 27.5	20% of Total Cover: 11		
1. <u>Festuca altaica</u>	10	<input checked="" type="checkbox"/>	FAC	
2. <u>Arctagrostis latifolia</u>	5	<input type="checkbox"/>	FACW	
3. <u>Calamagrostis canadensis</u>	5	<input type="checkbox"/>	FAC	
4. <u>Aconitum delphinifolium</u>	5	<input type="checkbox"/>	FAC	
5. <u>Bistorta plumosa</u>	2	<input type="checkbox"/>	FACU	
6. <u>Carex bigelowii</u>	10	<input checked="" type="checkbox"/>	FAC	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		37		
	50% of Total Cover: 18.5	20% of Total Cover: 7.4		

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 0 x 1 = 0
 FACW Species 45 x 2 = 90
 FAC Species 35 x 3 = 105
 FACU Species 12 x 4 = 48
 UPL Species 0 x 5 = 0
 Column Totals: 92 (A) 243 (B)
 Prevalence Index = B/A = 2.641

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 15

Hydrophytic Vegetation Present? Yes No

Remarks: moss is fairly continuous polytrichum matt.

