

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 31-Jul-13  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13\_T158\_07  
 Investigator(s): CTS, AMD Landform (hillside, terrace, hummocks etc.): Flat  
 Local relief (concave, convex, none): concave Slope: % / 1.1 ° Elevation: 726  
 Subregion: Interior Alaska Mountains Lat.: 63.3732798816 Long.: -148.759511911 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"/>	<b>Is the Sampled Area within a Wetland?</b> 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	
<b>Tree Stratum</b>				
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"/>	_____	
<b>Total Cover:</b>		0		
<b>Sapling/Shrub Stratum</b>				
	50% of Total Cover: 0		20% of Total Cover: 0	
1. <u>Picea glauca</u>	2	<input checked="" type="checkbox"/>	FACU	
2. <u>Betula nana</u>	3	<input checked="" type="checkbox"/>	FAC	
3. <u>Salix fuscescens</u>	2	<input checked="" type="checkbox"/>	FACW	
4. <u>Vaccinium vitis-idaea</u>	1	<input type="checkbox"/>	FAC	
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"/>	_____	
<b>Total Cover:</b>		8		
	50% of Total Cover: 4		20% of Total Cover: 1.6	
<b>Herb Stratum</b>				
1. <u>Festuca altaica</u>	30	<input checked="" type="checkbox"/>	FAC	
2. <u>Calamagrostis canadensis</u>	4	<input type="checkbox"/>	FAC	
3. <u>Artemisia norvegica</u>	0.1	<input type="checkbox"/>	FACU	
4. <u>Rubus arcticus (IAM)</u>	2	<input type="checkbox"/>	FACU	
5. <u>Carex bigelowii</u>	0.1	<input type="checkbox"/>	FAC	
6. <u>Trientalis europaea</u>	0.1	<input type="checkbox"/>	FACU	
7. <u>Carex loliacea</u>	1	<input type="checkbox"/>	OBL	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		37.3		
	50% of Total Cover: 18.65		20% of Total Cover: 7.46	

**Dominance Test worksheet:**  
 Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)  
 Total Number of Dominant Species Across All Strata: 4 (B)  
 Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)

**Prevalence Index worksheet:**  
 Total % Cover of: Multiply by:  
 OBL Species 1 x 1 = 1  
 FACW Species 2 x 2 = 4  
 FAC Species 38.1 x 3 = 114.3  
 FACU Species 4.2 x 4 = 16.8  
 UPL Species 0 x 5 = 0  
 Column Totals: 45.3 (A) 136.1 (B)  
 Prevalence Index = B/A = 3.004

**Hydrophytic Vegetation Indicators:**  
 Dominance Test is > 50%  
 Prevalence Index is ≤ 3.0  
 Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
 Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup> 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 0  
 Total Cover of Bryophytes 30

**Hydrophytic Vegetation Present?** Yes  No

Remarks: Lichen = 70. Best fit may be hgmgh but site is really a Fesalt meadow with next to little herb cover, it is not a bluejoint type

