

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_T205_07**
 Investigator(s): SLI, EAC Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): flat Slope: 10.5 % / 6.0 ° Elevation: 714
 Subregion: Interior Alaska Mountains Lat.: 63.36693871 Long.: -148.799891591 Datum: WGS84
 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:	

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

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. _____	0	<input type="checkbox"/>	_____	Number of Dominant Species That are OBL, FACW, or FAC:	<u>3</u> (A)	
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata:	<u>3</u> (B)	
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC:	<u>100.0%</u> (A/B)	
4. _____	0	<input type="checkbox"/>	_____			
5. _____	0	<input type="checkbox"/>	_____			
Total Cover:			<u>0</u>			
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>		20% of Total Cover: <u>0</u>		Prevalence Index worksheet:	
1. <u>Vaccinium uliginosum</u>	30	<input checked="" type="checkbox"/>	FAC	Total % Cover of:	Multiply by:	
2. <u>Betula glandulosa</u>	20	<input checked="" type="checkbox"/>	FAC	OBL Species <u>0</u>	x 1 = <u>0</u>	
3. <u>Ledum decumbens</u>	5	<input type="checkbox"/>	FACW	FACW Species <u>6</u>	x 2 = <u>12</u>	
4. <u>Vaccinium vitis-idaea</u>	1	<input type="checkbox"/>	FAC	FAC Species <u>63</u>	x 3 = <u>189</u>	
5. <u>Picea glauca</u>	5	<input type="checkbox"/>	FACU	FACU Species <u>5.1</u>	x 4 = <u>20.4</u>	
6. <u>Salix pulchra</u>	1	<input type="checkbox"/>	FACW	UPL Species <u>0</u>	x 5 = <u>0</u>	
7. <u>Empetrum nigrum</u>	7	<input type="checkbox"/>	FAC	Column Totals:	<u>74.1</u> (A) <u>221.4</u> (B)	
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>2.988</u>		
9. _____	0	<input type="checkbox"/>	_____			
10. _____	0	<input type="checkbox"/>	_____			
Total Cover:			<u>69</u>			
50% of Total Cover: <u>34.5</u>		20% of Total Cover: <u>13.8</u>		Hydrophytic Vegetation Indicators:		
1. <u>Bistorta plumosa</u>	0.1	<input type="checkbox"/>	FACU	<input checked="" type="checkbox"/> Dominance Test is > 50%		
2. <u>Carex bigelowii</u>	5	<input checked="" type="checkbox"/>	FAC	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0		
3. _____	0	<input type="checkbox"/>	_____	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
4. _____	0	<input type="checkbox"/>	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)		
5. _____	0	<input type="checkbox"/>	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
6. _____	0	<input type="checkbox"/>	_____	Plot size (radius, or length x width)	<u>10m</u>	
7. _____	0	<input type="checkbox"/>	_____	% Cover of Wetland Bryophytes (Where applicable)	_____	
8. _____	0	<input type="checkbox"/>	_____	% Bare Ground	<u>3</u>	
9. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes	<u>10</u>	
10. _____	0	<input type="checkbox"/>	_____			
Total Cover:			<u>5.1</u>			
50% of Total Cover: <u>2.55</u>		20% of Total Cover: <u>1.02</u>		Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>		

Remarks: trace unid grass. 80% lichen cover including stereocaulon, cladonia, masonhallia richardsonii, thamnolia ver, cetraria

