

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: 14.0 % / 8.0 ° Elevation: 1046
 Subregion: Interior Alaska Mountains Lat.: 63.369094968 Long.: -148.570611954 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: 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.

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>Spiraea stevenii</u>	10	<input type="checkbox"/>	FACU	Total % Cover of: Multiply by:
2. <u>Salix polaris</u>	35	<input checked="" type="checkbox"/>	FACW	OBL Species <u>0</u> x 1 = <u>0</u>
3. <u>Betula nana</u>	5	<input type="checkbox"/>	FAC	FACW Species <u>45</u> x 2 = <u>90</u>
4. <u>Salix pulchra</u>	5	<input type="checkbox"/>	FACW	FAC Species <u>35</u> x 3 = <u>105</u>
5. _____	0	<input type="checkbox"/>	_____	FACU Species <u>12</u> x 4 = <u>48</u>
6. _____	0	<input type="checkbox"/>	_____	UPL Species <u>0</u> x 5 = <u>0</u>
7. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>92</u> (A) <u>243</u> (B)
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>2.641</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>55</u>				Hydrophytic Vegetation Indicators:
Herb Stratum	50% of Total Cover: <u>27.5</u>	20% of Total Cover: <u>11</u>		<input checked="" type="checkbox"/> Dominance Test is > 50%
1. <u>Festuca altaica</u>	10	<input checked="" type="checkbox"/>	FAC	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Arctagrostis latifolia</u>	5	<input type="checkbox"/>	FACW	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Calamagrostis canadensis</u>	5	<input type="checkbox"/>	FAC	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
4. <u>Aconitum delphinifolium</u>	5	<input type="checkbox"/>	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. <u>Bistorta plumosa</u>	2	<input type="checkbox"/>	FACU	Plot size (radius, or length x width) <u>10m</u>
6. <u>Carex bigelowii</u>	10	<input checked="" type="checkbox"/>	FAC	% Cover of Wetland Bryophytes (Where applicable) _____
7. _____	0	<input type="checkbox"/>	_____	% Bare Ground _____
8. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>15</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>37</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>18.5</u>	20% of Total Cover: <u>7.4</u>			
Remarks: moss is fairly continuous polytrichum matt.				

