

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 03-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13 T173_02
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): convex Slope: 36.3 % / 20.0 ° Elevation: 1207
 Subregion: Interior Alaska Mountains Lat.: 63.1601034198 Long.: -148.267855681 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 type="radio"/> No <input checked="" 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.

<u>Tree Stratum</u>	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>2</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>8</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>25.0%</u> (A/B)
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>0</u>				
<u>Sapling/Shrub Stratum</u>	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		Prevalence Index worksheet:
1. <u>Vaccinium uliginosum</u>	0.1	<input checked="" type="checkbox"/>	FAC	Total % Cover of: Multiply by:
2. _____	0	<input type="checkbox"/>	_____	OBL Species <u>0</u> x 1 = <u>0</u>
3. _____	0	<input type="checkbox"/>	_____	FACW Species <u>0</u> x 2 = <u>0</u>
4. _____	0	<input type="checkbox"/>	_____	FAC Species <u>0.2</u> x 3 = <u>0.600</u>
5. _____	0	<input type="checkbox"/>	_____	FACU Species <u>0.3</u> x 4 = <u>1.200</u>
6. _____	0	<input type="checkbox"/>	_____	UPL Species <u>0.3</u> x 5 = <u>1.500</u>
7. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>0.8</u> (A) <u>3.300</u> (B)
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>4.125</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>0.1</u>				Hydrophytic Vegetation Indicators:
<u>Herb Stratum</u>	50% of Total Cover: <u>0.05</u>	20% of Total Cover: <u>0.02</u>		<input type="checkbox"/> Dominance Test is > 50%
1. <u>Anthoxanthum monticola ssp. alpinum</u>	0.1	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Arnica lessingii</u>	0.1	<input checked="" type="checkbox"/>	UPL	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Carex podocarpa</u>	0.1	<input checked="" type="checkbox"/>	FAC	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
4. <u>Anemone parviflora</u>	0.1	<input checked="" type="checkbox"/>	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. <u>Poa glauca</u>	0.1	<input checked="" type="checkbox"/>	UPL	
6. <u>Antennaria alpina</u>	0.1	<input checked="" type="checkbox"/>	FACU	Plot size (radius, or length x width) <u>10m</u>
7. <u>Carex atrofusca</u>	0.1	<input type="checkbox"/>	FACW	% Cover of Wetland Bryophytes (Where applicable) _____
8. <u>Boykinia richardsonii</u>	0.1	<input checked="" type="checkbox"/>	UPL	% Bare Ground <u>30</u>
9. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>70</u>
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>0.80</u>				Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
50% of Total Cover: <u>0.400</u>	20% of Total Cover: <u>0.160</u>			
Remarks: <u>bryophytes mostly crustose lichen</u>				

