

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 02-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T177_01
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): river bar
 Local relief (concave, convex, none): bouldery Slope: 8.7 % / 5.0 ° Elevation: 1063
 Subregion: Interior Alaska Mountains Lat.: 63.0767087638 Long.: -148.069004416 Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: PSS1C**

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 checked="" type="radio"/> No <input type="radio"/> Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: Boulder bar adjacent to stream. Appears to be inundated early season.	

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>5</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>5</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>Salix alaxensis</u>	15	<input checked="" type="checkbox"/>	FAC	Total % Cover of: Multiply by:
2. <u>Salix pulchra</u>	8	<input checked="" type="checkbox"/>	FACW	OBL Species <u>0</u> x 1 = <u>0</u>
3. <u>Salix reticulata</u>	3	<input type="checkbox"/>	FAC	FACW Species <u>12.2</u> x 2 = <u>24.40</u>
4. <u>Spiraea stevenii</u>	0.1	<input type="checkbox"/>	FACU	FAC Species <u>24.5</u> x 3 = <u>73.50</u>
5. <u>Dasiphora fruticosa</u>	3	<input type="checkbox"/>	FAC	FACU Species <u>0.2</u> x 4 = <u>0.800</u>
6. <u>Vaccinium uliginosum</u>	1	<input type="checkbox"/>	FAC	UPL Species <u>1.1</u> x 5 = <u>5.500</u>
7. <u>Empetrum nigrum</u>	0.1	<input type="checkbox"/>	FAC	Column Totals: <u>38</u> (A) <u>104.2</u> (B)
8. <u>Salix arctica</u>	0.1	<input type="checkbox"/>	FACU	Prevalence Index = B/A = <u>2.742</u>
9. <u>Betula nana</u>	0.1	<input type="checkbox"/>	FAC	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:			<u>30.4</u>	
Herb Stratum	50% of Total Cover: <u>15.2</u>	20% of Total Cover: <u>6.08</u>		Hydrophytic Vegetation Indicators:
1. <u>Chamerion latifolium</u>	2	<input checked="" type="checkbox"/>	FAC	<input checked="" type="checkbox"/> Dominance Test is > 50%
2. <u>Parnassia kotzebuei</u>	0.1	<input type="checkbox"/>	FACW	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
3. <u>Antennaria monocephala</u>	0.1	<input type="checkbox"/>	UPL	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4. <u>Swertia perennis</u>	0.1	<input type="checkbox"/>	FACW	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Arctagrostis latifolia</u>	2	<input checked="" type="checkbox"/>	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. <u>Polemonium pulcherrimum</u>	1	<input type="checkbox"/>	UPL	Plot size (radius, or length x width) <u>10m</u>
7. <u>Equisetum arvense</u>	0.1	<input type="checkbox"/>	FAC	% Cover of Wetland Bryophytes (Where applicable) _____
8. <u>Equisetum variegatum</u>	2	<input checked="" type="checkbox"/>	FACW	% Bare Ground _____
9. <u>Bistorta vivipara</u>	0.1	<input type="checkbox"/>	FAC	Total Cover of Bryophytes _____
10. <u>Sedum rosea</u>	0.1	<input type="checkbox"/>	FAC	
Total Cover:			<u>7.6</u>	Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover:	<u>3.8</u>	20% of Total Cover:	<u>1.52</u>	

Remarks: saxpun, carlim, carmac trace

