

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 30-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T156_06
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): Bench
 Local relief (concave, convex, none): hummocky Slope: 3.5 % / 2.0 ° Elevation: 1003
 Subregion: Interior Alaska Mountains Lat.: 63.2894124649 Long.: -148.366801618 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: <u>Bench along mountain stream atv trail runs through plot willows are heavily browsed</u>	

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>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>0</u>				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>10</u> x 2 = <u>20</u> FAC Species <u>87</u> x 3 = <u>261</u> FACU Species <u>10</u> x 4 = <u>40</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>107</u> (A) <u>321</u> (B) Prevalence Index = B/A = <u>3.000</u>
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		
1. <u>Empetrum nigrum</u>	40	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium uliginosum</u>	15	<input checked="" type="checkbox"/>	FAC	
3. <u>Salix pulchra</u>	10	<input type="checkbox"/>	FACW	
4. <u>Salix reticulata</u>	8	<input type="checkbox"/>	FAC	
5. <u>Salix alaxensis</u>	8	<input type="checkbox"/>	FAC	
6. <u>Dasiphora fruticosa</u>	4	<input type="checkbox"/>	FAC	
7. <u>Populus balsamifera</u>	4	<input type="checkbox"/>	FACU	
8. <u>Shepherdia canadensis</u>	1	<input type="checkbox"/>	FACU	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>90</u>				
Herb Stratum	50% of Total Cover: <u>45</u>	20% of Total Cover: <u>18</u>		
1. <u>Festuca altaica</u>	10	<input checked="" type="checkbox"/>	FAC	
2. <u>Chamerion latifolium</u>	2	<input type="checkbox"/>	FAC	
3. <u>Mertensia paniculata</u>	2	<input type="checkbox"/>	FACU	
4. <u>Artemisia norvegica</u>	1	<input type="checkbox"/>	FACU	
5. <u>Chamerion angustifolium</u>	1	<input type="checkbox"/>	FACU	
6. <u>Rubus arcticus (IAM)</u>	1	<input type="checkbox"/>	FACU	
7. <u>Antennaria friesiana</u>	0.1	<input type="checkbox"/>	UPL	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>17.1</u>				
50% of Total Cover: <u>8.55</u>	20% of Total Cover: <u>3.42</u>			

Hydrophytic Vegetation Indicators:
 Dominance Test is > 50%
 Prevalence Index is ≤ 3.0
 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)
¹ 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 _____
 Total Cover of Bryophytes 5

Hydrophytic Vegetation Present? Yes No

Remarks:

