

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 19-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T29_15
 Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Kettle
 Local relief (concave, convex, none): undulating Slope: 5.2 % / 3.0 ° Elevation: 688
 Subregion: Southcentral Alaska Lat.: 62.7861299082 Long.: -148.811389969 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: PSS1E

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: kettle wetland. drainages from adjacent alder community (see SW12_T29_14) run into and through this wetland.	

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>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</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>18</u> x 1 = <u>18</u> FACW Species <u>12</u> x 2 = <u>24</u> FAC Species <u>59</u> x 3 = <u>177</u> FACU Species <u>1</u> x 4 = <u>4</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>90</u> (A) <u>223</u> (B) Prevalence Index = B/A = <u>2.478</u>
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		
1. <u>Dasiphora fruticosa</u>	15	<input checked="" type="checkbox"/>	FAC	
2. <u>Betula nana</u>	7	<input type="checkbox"/>	FAC	
3. <u>Vaccinium uliginosum</u>	10	<input type="checkbox"/>	FAC	
4. <u>Salix pulchra</u>	10	<input type="checkbox"/>	FACW	
5. <u>Salix reticulata</u>	5	<input type="checkbox"/>	FAC	
6. <u>Salix glauca</u>	20	<input checked="" type="checkbox"/>	FAC	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>67</u>				
Herb Stratum	50% of Total Cover: <u>33.5</u>	20% of Total Cover: <u>13.4</u>		
1. <u>Equisetum fluviatile</u>	3	<input type="checkbox"/>	OBL	
2. <u>Comarum palustre</u>	5	<input checked="" type="checkbox"/>	OBL	
3. <u>Carex utriculata</u>	10	<input checked="" type="checkbox"/>	OBL	
4. <u>Viola palustris</u>	1	<input type="checkbox"/>	FACW	
5. <u>Sanguisorba officinalis</u>	1	<input type="checkbox"/>	FACW	
6. <u>Thalictrum sparsiflorum</u>	1	<input type="checkbox"/>	FACU	
7. <u>Anemone richardsonii</u>	1	<input type="checkbox"/>	FAC	
8. <u>Rubus arcticus ssp. acaulis</u>	1	<input type="checkbox"/>	FAC	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>23</u>				
50% of Total Cover: <u>11.5</u>	20% of Total Cover: <u>4.6</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 25
 Total Cover of Bryophytes 70

Hydrophytic Vegetation Present? Yes No

Remarks: trace pigla. no seed head on carex, but large yellow-green leaves in shallow water, assume carutr. possibly also caraqu, as some leaves have gray-green cast. trace unidentified herbs. bare ground includes standing water.

