

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 04-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13 T133_04
 Investigator(s): WAD, RWM Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): hummocky Slope: 17.6 % / 10.0 ° Elevation: 773
 Subregion: Interior Alaska Mountains Lat.: 62.914067268 Long.: -148.068331003 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:	

VEGETATION -Use scientific names of plants. List all species in the plot.

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				
1. <u>Picea glauca</u>	30	<input checked="" type="checkbox"/>	FACU	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>60.0%</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:		30		
Sapling/Shrub Stratum				
	50% of Total Cover: <u>15</u>	20% of Total Cover: <u>6</u>		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>1</u> x 1 = <u>1</u> FACW Species <u>10</u> x 2 = <u>20</u> FAC Species <u>118</u> x 3 = <u>354</u> FACU Species <u>34</u> x 4 = <u>136</u> UPL Species <u>15</u> x 5 = <u>75</u> Column Totals: <u>178</u> (A) <u>586</u> (B) Prevalence Index = B/A = <u>3.292</u>
1. <u>Vaccinium uliginosum</u>	45	<input checked="" type="checkbox"/>	FAC	
2. <u>Betula glandulosa</u>	35	<input checked="" type="checkbox"/>	FAC	
3. <u>Vaccinium vitis-idaea</u>	10	<input type="checkbox"/>	FAC	
4. <u>Salix pulchra</u>	10	<input type="checkbox"/>	FACW	
5. <u>Arctostaphylos rubra</u>	5	<input type="checkbox"/>	FAC	
6. <u>Ledum groenlandicum</u>	5	<input type="checkbox"/>	FAC	
7. <u>Picea glauca</u>	4	<input type="checkbox"/>	FACU	
8. <u>Salix barclayi</u>	2	<input type="checkbox"/>	FAC	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		116		
Herb Stratum				
	50% of Total Cover: <u>58</u>	20% of Total Cover: <u>23.2</u>		Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Boykinia Richardsonii</u>	15	<input checked="" type="checkbox"/>	UPL	
2. <u>Equisetum arvense</u>	10	<input checked="" type="checkbox"/>	FAC	
3. <u>Calamagrostis canadensis</u>	5	<input type="checkbox"/>	FAC	
4. <u>Saussurea angustifolia</u>	1	<input type="checkbox"/>	FAC	
5. <u>Carex vaginata</u>	1	<input type="checkbox"/>	OBL	
6. <u>Poa alpina</u>	0.1	<input type="checkbox"/>	FACU	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		32.1		
	50% of Total Cover: <u>16.05</u>	20% of Total Cover: <u>6.42</u>		
Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground _____ Total Cover of Bryophytes _____				
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>				
Remarks:				

