

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_16
 Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): hummocky Slope: % / 13.7 ° Elevation: 704
 Subregion: Southcentral Alaska Lat.: 62.7833731913 Long.: -148.811554076 Datum: NAD83
 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>	2	<input type="checkbox"/>	FACU	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</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:		2		
Sapling/Shrub Stratum				
	50% of Total Cover: <u>1</u>	20% of Total Cover: <u>0.4</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>122</u> x 3 = <u>366</u> FACU Species <u>10</u> x 4 = <u>40</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>142</u> (A) <u>426</u> (B) Prevalence Index = B/A = <u>3.000</u>
1. <u>Vaccinium uliginosum</u>	60	<input checked="" type="checkbox"/>	FAC	
2. <u>Betula nana</u>	30	<input checked="" type="checkbox"/>	FAC	
3. <u>Betula glandulosa</u>	20	<input type="checkbox"/>	FAC	
4. <u>Rhododendron tomentosum</u>	10	<input type="checkbox"/>	FACW	
5. <u>Vaccinium vitis-idaea</u>	5	<input type="checkbox"/>	FAC	
6. <u>Empetrum nigrum</u>	5	<input type="checkbox"/>	FAC	
7. <u>Spiraea stevenii</u>	5	<input type="checkbox"/>	FACU	
8. <u>Picea glauca</u>	2	<input type="checkbox"/>	FACU	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		137		
Herb Stratum				
	50% of Total Cover: <u>68.5</u>	20% of Total Cover: <u>27.4</u>		Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" 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>Calamagrostis canadensis</u>	2	<input type="checkbox"/>	FAC	
2. <u>Spinulum annotinum</u>	1	<input type="checkbox"/>	FACU	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
6. _____	0	<input type="checkbox"/>	_____	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		3		
	50% of Total Cover: <u>1.5</u>	20% of Total Cover: <u>0.6</u>		

Remarks: 1% cornus canadensis, trace equisetum sylvaticum. vaculi just beginning to leaf out, difficult to estimate cover. no dominant trees or herbs, as these two strata had less than 5% total cover each.

