

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 25-Jun-12  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12\_T28\_11  
 Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Hillside  
 Local relief (concave, convex, none): undulating Slope: % / 8.3 ° Elevation: 739  
 Subregion: Interior Alaska Mountains Lat.: 62.8765281237 Long.: -148.376655668 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 type="radio"/> No <input checked="" 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"/>	<b>Is the Sampled Area within a Wetland?</b> 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	
<b>Tree Stratum</b>				<b>Dominance Test worksheet:</b> Number of Dominant Species That are OBL, FACW, or FAC: <u>1</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>50.0%</u> (A/B)
1. _____	0	<input type="checkbox"/>	_____	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b> <u>0</u>				<b>Prevalence Index worksheet:</b> Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>0</u> x 2 = <u>0</u> FAC Species <u>85</u> x 3 = <u>255</u> FACU Species <u>26</u> x 4 = <u>104</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>111</u> (A) <u>359</u> (B) Prevalence Index = B/A = <u>3.234</u>
<b>Sapling/Shrub Stratum</b> 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>				
1. <u>Alnus viridis</u>	75	<input checked="" type="checkbox"/>	FAC	
2. <u>Ribes glandulosum</u>	5	<input type="checkbox"/>	FAC	
3. <u>Linnaea borealis</u>	2	<input type="checkbox"/>	FACU	
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"/>	_____	
<b>Total Cover:</b> <u>82</u>				
<b>Herb Stratum</b> 50% of Total Cover: <u>41</u> 20% of Total Cover: <u>16.4</u>				
1. <u>Cornus canadensis</u>	20	<input checked="" type="checkbox"/>	FACU	
2. <u>Calamagrostis canadensis</u>	5	<input type="checkbox"/>	FAC	
3. <u>Trientalis europaea</u>	2	<input type="checkbox"/>	FACU	
4. <u>Spinulum annotinum</u>	2	<input type="checkbox"/>	FACU	
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"/>	_____	
<b>Total Cover:</b> <u>29</u>				
50% of Total Cover: <u>14.5</u> 20% of Total Cover: <u>5.8</u>				
Remarks: <u>tr acodel galbor merpan drydil picgla (tree)</u>				

**Hydrophytic Vegetation Indicators:**  
 Dominance Test is > 50%  
 Prevalence Index is ≤ 3.0  
 Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
 Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup> 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) 0  
 % Bare Ground 0  
 Total Cover of Bryophytes 5

**Hydrophytic Vegetation Present?** Yes  No

