

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: 36.3 % / 20.0 ° Elevation: 745
 Subregion: Interior Alaska Mountains Lat.: 62.8765299082 Long.: -148.376679971 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 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"/>	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.

<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>1</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover:			<u>0</u>	
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		Prevalence Index worksheet:
1. <u>Alnus viridis ssp. crispa</u>	75	<input checked="" type="checkbox"/>	FAC	Total % Cover of: Multiply by:
2. <u>Ribes glandulosum</u>	5	<input type="checkbox"/>	FACU	OBL Species <u>0</u> x 1 = <u>0</u>
3. <u>Linnaea borealis</u>	2	<input type="checkbox"/>	FACU	FACW Species <u>0</u> x 2 = <u>0</u>
4. _____	0	<input type="checkbox"/>	_____	FAC Species <u>80</u> x 3 = <u>240</u>
5. _____	0	<input type="checkbox"/>	_____	FACU Species <u>31</u> x 4 = <u>124</u>
6. _____	0	<input type="checkbox"/>	_____	UPL Species <u>0</u> x 5 = <u>0</u>
7. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>111</u> (A) <u>364</u> (B)
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>3.279</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:			<u>82</u>	Hydrophytic Vegetation Indicators:
Herb Stratum	50% of Total Cover: <u>41</u>	20% of Total Cover: <u>16.4</u>		<input type="checkbox"/> Dominance Test is > 50%
1. <u>Cornus canadensis</u>	20	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Calamagrostis canadensis</u>	5	<input type="checkbox"/>	FAC	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Trientalis europaea</u>	2	<input type="checkbox"/>	FACU	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
4. <u>Spinulum annotinum</u>	2	<input type="checkbox"/>	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. _____	0	<input type="checkbox"/>	_____	Plot size (radius, or length x width) <u>10m</u>
6. _____	0	<input type="checkbox"/>	_____	% Cover of Wetland Bryophytes (Where applicable) <u>0</u>
7. _____	0	<input type="checkbox"/>	_____	% Bare Ground <u>0</u>
8. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>5</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:			<u>29</u>	Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
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>				

