

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: 17.6 % / 10.0 ° Elevation: 706
 Subregion: Southcentral Alaska Lat.: 62.7833749087 Long.: -148.811578303 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.

<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>2</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>100.0%</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>Vaccinium uliginosum</u>	60	<input checked="" type="checkbox"/>	FAC	Total % Cover of: Multiply by:
2. <u>Betula nana</u>	30	<input checked="" type="checkbox"/>	FAC	OBL Species <u>0</u> x 1 = <u>0</u>
3. <u>Betula glandulosa</u>	20	<input type="checkbox"/>	FAC	FACW Species <u>10</u> x 2 = <u>20</u>
4. <u>Ledum decumbens</u>	10	<input type="checkbox"/>	FACW	FAC Species <u>122</u> x 3 = <u>366</u>
5. <u>Vaccinium vitis-idaea</u>	5	<input type="checkbox"/>	FAC	FACU Species <u>8</u> x 4 = <u>32</u>
6. <u>Empetrum nigrum</u>	5	<input type="checkbox"/>	FAC	UPL Species <u>0</u> x 5 = <u>0</u>
7. <u>Spiraea stevenii</u>	5	<input type="checkbox"/>	FACU	Column Totals: <u>140</u> (A) <u>418</u> (B)
8. <u>Picea glauca</u>	2	<input type="checkbox"/>	FACU	Prevalence Index = B/A = <u>2.986</u>
9. <u>Calamagrostis canadensis</u>	2	<input type="checkbox"/>	FAC	
10. <u>Spinulum annotinum</u>	1	<input type="checkbox"/>	FACU	
Total Cover: <u>140</u>				
Herb Stratum	50% of Total Cover: <u>70</u>	20% of Total Cover: <u>28</u>		Hydrophytic Vegetation Indicators:
1. _____	0	<input type="checkbox"/>	_____	<input checked="" type="checkbox"/> Dominance Test is > 50%
2. _____	0	<input type="checkbox"/>	_____	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
3. _____	0	<input type="checkbox"/>	_____	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4. _____	0	<input type="checkbox"/>	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
5. _____	0	<input type="checkbox"/>	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. _____	0	<input type="checkbox"/>	_____	Plot size (radius, or length x width) <u>10m</u>
7. _____	0	<input type="checkbox"/>	_____	% Cover of Wetland Bryophytes (Where applicable) _____
8. _____	0	<input type="checkbox"/>	_____	% Bare Ground <u>2</u>
9. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>95</u>
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>0</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>			
Remarks: <u>1% cornus canadensis, trace equisetum sylvaticum. vaculi just beginning to leaf out, difficult to estimate cover. 2% picgla trees and all herbs grouped w shrubs for dominance test, as these two strata had less than 5% total cover each.</u>				

