

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 22-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T314_02
 Investigator(s): GVF Landform (hillside, terrace, hummocks etc.): Gulch or Gully
 Local relief (concave, convex, none): concave Slope: 72.6 % / 36.0 ° Elevation: _____
 Subregion: Cook Inlet Mountains Lat.: _____ Long.: _____ 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.

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. <u>Picea glauca</u>	18	<input checked="" type="checkbox"/>	FACU	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>6</u> (B)	
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC:	<u>33.3%</u> (A/B)	
4. _____	0	<input type="checkbox"/>	_____			
5. _____	0	<input type="checkbox"/>	_____			
Total Cover:			<u>18</u>			
Sapling/Shrub Stratum	50% of Total Cover: <u>9</u>		20% of Total Cover: <u>3.6</u>		Prevalence Index worksheet:	
1. <u>Alnus viridis ssp. sinuata</u>	70	<input checked="" type="checkbox"/>	FAC	Total % Cover of:	Multiply by:	
2. <u>Ribes triste</u>	7	<input type="checkbox"/>	FAC	OBL Species <u>0</u>	x 1 = <u>0</u>	
3. <u>Ribes laxiflorum</u>	7	<input type="checkbox"/>	FACU	FACW Species <u>0</u>	x 2 = <u>0</u>	
4. <u>Vaccinium vitis-idaea</u>	1	<input type="checkbox"/>	FAC	FAC Species <u>81.1</u>	x 3 = <u>243.3</u>	
5. <u>Linnaea borealis</u>	0.1	<input type="checkbox"/>	FACU	FACU Species <u>38.1</u>	x 4 = <u>152.4</u>	
6. _____	0	<input type="checkbox"/>	_____	UPL Species <u>0</u>	x 5 = <u>0</u>	
7. _____	0	<input type="checkbox"/>	_____	Column Totals:	<u>119.2</u> (A)	<u>395.7</u> (B)
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>3.320</u>		
9. _____	0	<input type="checkbox"/>	_____			
10. _____	0	<input type="checkbox"/>	_____			
Total Cover:			<u>85.1</u>			
Herb Stratum	50% of Total Cover: <u>42.55</u>		20% of Total Cover: <u>17.02</u>		Hydrophytic Vegetation Indicators:	
1. <u>Cornus canadensis</u>	5	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Dominance Test is > 50%		
2. <u>Dryopteris expansa</u>	3	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Prevalence Index is ≤ 3.0		
3. <u>Calamagrostis canadensis</u>	3	<input checked="" type="checkbox"/>	FAC	<input type="checkbox"/> Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)		
4. <u>Lycopodium clavatum</u>	3	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Problematic Hydrophytic Vegetation (Explain)		
5. <u>Trientalis europaea</u>	1	<input type="checkbox"/>	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
6. <u>Chamaenerion angustifolium</u>	1	<input type="checkbox"/>	FACU	Plot size (radius, or length x width)	<u>10m</u>	
7. <u>Polemonium acutiflorum</u>	0.1	<input type="checkbox"/>	FAC	% Cover of Wetland Bryophytes (Where applicable)	_____	
8. _____	0	<input type="checkbox"/>	_____	% Bare Ground	<u>65</u>	
9. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes	<u>30</u>	
10. _____	0	<input type="checkbox"/>	_____			
Total Cover:			<u>16.1</u>			
50% of Total Cover: <u>8.05</u>		20% of Total Cover: <u>3.22</u>		Hydrophytic Vegetation Present?		
				Yes <input type="radio"/> No <input checked="" type="radio"/>		

Remarks: bare ground is litter, bryophytes feathermoss

