

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 19-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T327_09
 Investigator(s): GVF Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): flat Slope: 21.2 % / 12.0 ° 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>	<u>3</u>	<input type="checkbox"/>	FACU	Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
3. _____	_____	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
4. _____	_____	<input type="checkbox"/>	_____	
5. _____	_____	<input type="checkbox"/>	_____	
Total Cover:			<u>3</u>	
Sapling/Shrub Stratum	50% of Total Cover: <u>1.5</u>	20% of Total Cover: <u>0.6</u>		Prevalence Index worksheet:
1. <u>Alnus viridis ssp. sinuata</u>	<u>75</u>	<input checked="" type="checkbox"/>	FAC	Total % Cover of: Multiply by:
2. <u>Ribes triste</u>	<u>5</u>	<input type="checkbox"/>	FAC	OBL Species <u>0</u> x 1 = <u>0</u>
3. <u>Spiraea stevenii</u>	<u>3</u>	<input type="checkbox"/>	FACU	FACW Species <u>0</u> x 2 = <u>0</u>
4. <u>Picea glauca</u>	<u>0.1</u>	<input type="checkbox"/>	FACU	FAC Species <u>107</u> x 3 = <u>321</u>
5. _____	<u>0</u>	<input type="checkbox"/>	_____	FACU Species <u>44.2</u> x 4 = <u>176.8</u>
6. _____	<u>0</u>	<input type="checkbox"/>	_____	UPL Species <u>0</u> x 5 = <u>0</u>
7. _____	<u>0</u>	<input type="checkbox"/>	_____	Column Totals: <u>151.2</u> (A) <u>497.8</u> (B)
8. _____	<u>0</u>	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>3.292</u>
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:			<u>83.1</u>	Hydrophytic Vegetation Indicators:
Herb Stratum	50% of Total Cover: <u>41.55</u>	20% of Total Cover: <u>16.62</u>		<input type="checkbox"/> Dominance Test is > 50%
1. <u>Rubus pedatus</u>	<u>20</u>	<input checked="" type="checkbox"/>	FAC	<input type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Cornus canadensis</u>	<u>20</u>	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3. <u>Dryopteris expansa</u>	<u>15</u>	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Problematic Hydrophytic Vegetation (Explain)
4. <u>Trientalis europaea</u>	<u>3</u>	<input type="checkbox"/>	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. <u>Calamagrostis canadensis</u>	<u>3</u>	<input type="checkbox"/>	FAC	Plot size (radius, or length x width) <u>10m</u>
6. <u>Rubus arcticus</u>	<u>3</u>	<input type="checkbox"/>	FAC	% Cover of Wetland Bryophytes (Where applicable) _____
7. <u>Equisetum sylvaticum</u>	<u>1</u>	<input type="checkbox"/>	FAC	% Bare Ground <u>20</u>
8. <u>Lycopodium clavatum</u>	<u>0.1</u>	<input type="checkbox"/>	FACU	Total Cover of Bryophytes <u>15</u>
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:			<u>65.1</u>	Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
	50% of Total Cover: <u>32.55</u>	20% of Total Cover: <u>13.02</u>		
Remarks: <5% total cover in tree stratum, thus no tree species considered dominant.				

