

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 03-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T38_06
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): flat Slope: 44.5 % / 24.0 ° Elevation: 510
 Subregion: Southcentral Alaska Lat.: 62.8354282448 Long.: -149.513638303 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: <u>ESE aspect (140deg), veg reminiscent of kenai peninsula. One black bear den observed on this hillside W of this plot, in betula throw mound.</u>	

VEGETATION -Use scientific names of plants. List all species in the plot.

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>16.7%</u> (A/B)
1. <u>Betula neoalaskana</u>	<u>30</u>	<input checked="" type="checkbox"/>	FACU	
2. <u>Picea glauca</u>	<u>20</u>	<input checked="" type="checkbox"/>	FACU	
3. <u>Betula papyrifera var. kenaica</u>	<u>5</u>	<input type="checkbox"/>	UPL	
4. _____	<u>0</u>	<input type="checkbox"/>	_____	
5. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>55</u>		Prevalence Index worksheet: 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>45</u> x 3 = <u>135</u> FACU Species <u>110</u> x 4 = <u>440</u> UPL Species <u>5</u> x 5 = <u>25</u> Column Totals: <u>160</u> (A) <u>600</u> (B) Prevalence Index = B/A = <u>3.750</u>
Sapling/Shrub Stratum	50% of Total Cover: <u>27.5</u>	20% of Total Cover: <u>11</u>		
1. <u>Picea glauca</u>	<u>15</u>	<input checked="" type="checkbox"/>	FACU	
2. <u>Vaccinium ovalifolium</u>	<u>30</u>	<input checked="" type="checkbox"/>	FAC	
3. <u>Rubus pedatus</u>	<u>10</u>	<input type="checkbox"/>	FAC	
4. <u>Linnaea borealis</u>	<u>2</u>	<input type="checkbox"/>	FACU	
5. <u>Sorbus scopulina</u>	<u>2</u>	<input type="checkbox"/>	FACU	
6. _____	<u>0</u>	<input type="checkbox"/>	_____	
7. _____	<u>0</u>	<input type="checkbox"/>	_____	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>59</u>		Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is > 50% <input type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) <small>¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</small>
Herb Stratum	50% of Total Cover: <u>29.5</u>	20% of Total Cover: <u>11.8</u>		
1. <u>Calamagrostis canadensis</u>	<u>5</u>	<input type="checkbox"/>	FAC	
2. <u>Spinulum annotinum</u>	<u>1</u>	<input type="checkbox"/>	FACU	
3. <u>Streptopus amplexifolius</u>	<u>1</u>	<input type="checkbox"/>	FACU	
4. <u>Cornus canadensis</u>	<u>1</u>	<input type="checkbox"/>	FACU	
5. <u>Gymnocarpium dryopteris</u>	<u>25</u>	<input checked="" type="checkbox"/>	FACU	
6. <u>Dryopteris expansa</u>	<u>10</u>	<input checked="" type="checkbox"/>	FACU	
7. <u>Chamerion angustifolium</u>	<u>3</u>	<input type="checkbox"/>	FACU	
8. _____	<u>0</u>	<input type="checkbox"/>	_____	
9. _____	<u>0</u>	<input type="checkbox"/>	_____	
10. _____	<u>0</u>	<input type="checkbox"/>	_____	
Total Cover:		<u>46</u>		Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>80</u> Total Cover of Bryophytes <u>5</u> Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>
50% of Total Cover: <u>23</u>	20% of Total Cover: <u>9.2</u>			

Remarks: betken drk reddish bark cordate base lvs.

