

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 01-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T41_04
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Hillside
 Local relief (concave, convex, none): flat Slope: 17.6 % / 10.0 ° Elevation: 860
 Subregion: Interior Alaska Mountains Lat.: 62.8005799079 Long.: -148.011969974 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.

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>5</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>83.3%</u> (A/B)
1. _____	0	<input type="checkbox"/>	_____	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover:		<u>0</u>		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>3</u> x 2 = <u>6</u> FAC Species <u>73</u> x 3 = <u>219</u> FACU Species <u>10</u> x 4 = <u>40</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>86</u> (A) <u>265</u> (B) Prevalence Index = B/A = <u>3.081</u>
Sapling/Shrub Stratum		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. <u>Betula nana</u>	20	<input checked="" type="checkbox"/>	FAC	
2. <u>Vaccinium uliginosum</u>	15	<input checked="" type="checkbox"/>	FAC	
3. <u>Picea glauca</u>	2	<input type="checkbox"/>	FACU	
4. <u>Empetrum nigrum</u>	10	<input checked="" type="checkbox"/>	FAC	
5. <u>Vaccinium vitis-idaea</u>	7	<input type="checkbox"/>	FAC	
6. <u>Salix pulchra</u>	3	<input type="checkbox"/>	FACW	
7. <u>Salix brachycarpa</u>	5	<input type="checkbox"/>	FAC	
8. <u>Betula glandulosa</u>	10	<input checked="" type="checkbox"/>	FAC	
9. <u>Arctostaphylos alpina</u>	5	<input type="checkbox"/>	FACU	
10. <u>Salix rotundifolia</u>	1	<input type="checkbox"/>	FAC	
Total Cover:		<u>78</u>		
Herb Stratum		50% of Total Cover: <u>39</u>	20% of Total Cover: <u>15.6</u>	Hydrophytic Vegetation Indicators: <input checked="" 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) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Anthoxanthum monticola ssp. alpinum</u>	3	<input checked="" type="checkbox"/>	FACU	
2. <u>Carex bigelowii</u>	5	<input checked="" type="checkbox"/>	FAC	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
6. _____	0	<input type="checkbox"/>	_____	
7. _____	0	<input type="checkbox"/>	_____	
8. _____	0	<input type="checkbox"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		<u>8</u>		
50% of Total Cover:		<u>4</u>	20% of Total Cover: <u>1.6</u>	

Remarks: trace pedicularis sp. addtl shrubs: 2% salgl, 5% leddec. abundant lichens.

