

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 07-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: **SW13_T102_07**
 Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Toeslope
 Local relief (concave, convex, none): none Slope: 0.0 % / 0.0 ° Elevation: 800
 Subregion: Interior Alaska Mountains Lat.: 62.703274369 Long.: -147.582401276 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: **PEM2E**

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 checked="" type="radio"/> No <input type="radio"/> Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks:	

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>3</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>75.0%</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>26</u> x 1 = <u>26</u> FACW Species <u>0.1</u> x 2 = <u>0.200</u> FAC Species <u>8</u> x 3 = <u>24</u> FACU Species <u>2</u> x 4 = <u>8</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>36.1</u> (A) <u>58.20</u> (B) Prevalence Index = B/A = <u>1.612</u>
Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>				
1. <u>Alnus viridis ssp. crispa</u>	1	<input checked="" type="checkbox"/>	FAC	
2. <u>Spiraea stevenii</u>	2	<input checked="" type="checkbox"/>	FACU	
3. <u>Vaccinium uliginosum</u>	2	<input checked="" type="checkbox"/>	FAC	
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"/>	_____	
Total Cover: <u>5</u>				
Herb Stratum 50% of Total Cover: <u>2.5</u> 20% of Total Cover: <u>1</u>				
1. <u>Carex canescens (IAM)</u>	5	<input type="checkbox"/>	FAC	
2. <u>Arctagrostis latifolia</u>	0.1	<input type="checkbox"/>	FACW	
3. <u>Epilobium palustre</u>	1	<input type="checkbox"/>	OBL	
4. <u>Ranunculus hyperboreus</u>	25	<input checked="" type="checkbox"/>	OBL	
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>31.1</u>				
50% of Total Cover: <u>15.55</u> 20% of Total Cover: <u>6.22</u>				
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" 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.				
Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>40</u> Total Cover of Bryophytes <u>20</u>				
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>				

Remarks: Characterizing seep area surrounded by spruce/birch community. Shrubs are on small mound in center of seep. Substantial cover of aquatic mosses. Bare ground includes standing water.

