

**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: % / 11.3 ° Elevation: 793  
 Subregion: Interior Alaska Mountains Lat.: 62.7032743692 Long.: -147.582401276 Datum: NAD83  
 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"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: small wetland at midslope slope break. too small to map separately, consider this an inclusion on otherwise upland slope.	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b>				
1. _____	0	<input type="checkbox"/>	_____	<b>Dominance Test worksheet:</b> 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)
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		0		<b>Prevalence Index worksheet:</b> 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>
<b>Sapling/Shrub Stratum</b>		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. <u>Alnus viridis</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"/>	_____	
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
<b>Total Cover:</b>		5		
<b>Herb Stratum</b>		50% of Total Cover: <u>2.5</u>	20% of Total Cover: <u>1</u>	<b>Hydrophytic Vegetation Indicators:</b> <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
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"/>	_____	
<b>Total Cover:</b>		31.1		
50% of Total Cover: <u>15.55</u>		20% of Total Cover: <u>6.22</u>		

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.

