

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 19-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T29_14
 Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Channel (active)
 Local relief (concave, convex, none): none Slope: % / 8.4 ° Elevation: 682
 Subregion: Southcentral Alaska Lat.: 62.7867981919 Long.: -148.812865739 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"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: characterizing small drainages / seeps / springs in alder thicket. as a whole, this community is a mosaic of wetlands, waters, and uplands. see SW12_T29_V12 for description and photos of R3UBH stream, and SW12_T29_13 for interfluvial alder thicket. multiple transects through community yielded 47 wetland/water and 74 upland points.	

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

<u>Tree Stratum</u>	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	0	<input type="checkbox"/>	_____	Number of Dominant Species That are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
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>2</u> x 1 = <u>2</u> FACW Species <u>3</u> x 2 = <u>6</u> FAC Species <u>2</u> x 3 = <u>6</u> FACU Species <u>1</u> x 4 = <u>4</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>8</u> (A) <u>18</u> (B) Prevalence Index = B/A = <u>2.250</u>
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		
1. <u>Ribes glandulosum</u>	1	<input checked="" type="checkbox"/>	FAC	
2. _____	0	<input type="checkbox"/>	_____	
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>1</u>	
Herb Stratum	50% of Total Cover: <u>0.5</u>	20% of Total Cover: <u>0.2</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.
1. <u>Chrysosplenium tetrandrum</u>	2	<input checked="" type="checkbox"/>	OBL	
2. <u>Calamagrostis canadensis</u>	1	<input type="checkbox"/>	FAC	
3. <u>Viola palustris</u>	1	<input type="checkbox"/>	FACW	
4. <u>Equisetum palustre</u>	2	<input checked="" type="checkbox"/>	FACW	
5. <u>Moehringia lateriflora</u>	1	<input type="checkbox"/>	FACU	
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>7</u>	
50% of Total Cover:	<u>3.5</u>	20% of Total Cover:	<u>1.4</u>	Plot size (radius, or length x width) <u>2x10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>80</u> Total Cover of Bryophytes <u>28</u>
				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: characterizing PEM seeps / springs / drainages with this point, disregarding alder cover from adjacent upland. thalloid liverworts dominate bryophytes. trace unidentified herbs not recorded above. total shrub cover <5%, thus no shrub species dominant.				

