

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: 8.7 % / 5.0 ° Elevation: 700
 Subregion: Southcentral Alaska Lat.: 62.7867999089 Long.: -148.812889969 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: 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 R3UB stream, and SW12_T29_13 for interfluvial alder thicket. multiple transects through community yielded 47 wetland/water and 74 inland 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>2</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>0</u>				
<u>Sapling/Shrub Stratum</u>	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		Prevalence Index worksheet:
1. <u>Ribes glandulosum</u>	1	<input checked="" type="checkbox"/>	FACU	Total % Cover of: Multiply by:
2. _____	0	<input type="checkbox"/>	_____	OBL Species <u>2</u> x 1 = <u>2</u>
3. _____	0	<input type="checkbox"/>	_____	FACW Species <u>3</u> x 2 = <u>6</u>
4. _____	0	<input type="checkbox"/>	_____	FAC Species <u>1</u> x 3 = <u>3</u>
5. _____	0	<input type="checkbox"/>	_____	FACU Species <u>2</u> x 4 = <u>8</u>
6. _____	0	<input type="checkbox"/>	_____	UPL Species <u>0</u> x 5 = <u>0</u>
7. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>8</u> (A) <u>19</u> (B)
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>2.375</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>1</u>				
<u>Herb Stratum</u>	50% of Total Cover: <u>0.5</u>	20% of Total Cover: <u>0.2</u>		Hydrophytic Vegetation Indicators:
1. <u>Chrysosplenium tetrandrum</u>	2	<input checked="" type="checkbox"/>	OBL	<input checked="" type="checkbox"/> Dominance Test is > 50%
2. <u>Calamagrostis canadensis</u>	1	<input type="checkbox"/>	FAC	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
3. <u>Viola palustris</u>	1	<input type="checkbox"/>	FACW	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4. <u>Equisetum palustre</u>	2	<input checked="" type="checkbox"/>	FACW	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Moehringia lateriflora</u>	1	<input type="checkbox"/>	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. _____	0	<input type="checkbox"/>	_____	Plot size (radius, or length x width) <u>2m x 10m</u>
7. _____	0	<input type="checkbox"/>	_____	% Cover of Wetland Bryophytes (Where applicable) _____
8. _____	0	<input type="checkbox"/>	_____	% Bare Ground <u>80</u>
9. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes <u>28</u>
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>7</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>3.5</u>	20% of Total Cover: <u>1.4</u>			
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.				

