

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 18-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T320_04
 Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Gulch or Gully
 Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: _____
 Subregion: Cook Inlet Mountains Lat.: _____ Long.: _____ 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: SLI hiked across valley, found no channel or surface water. Stream appears to be truly intermittent and subsurface here, see comments for SW15_T320_05.	

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

	Absolute % Cover	Dominant Species?	Indicator Status		
Tree Stratum					
1. _____	_____	<input type="checkbox"/>	_____	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</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>66.7%</u> (A/B)	
2. _____	_____	<input type="checkbox"/>	_____		
3. _____	_____	<input type="checkbox"/>	_____		
4. _____	_____	<input type="checkbox"/>	_____		
5. _____	_____	<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>0</u> x 2 = <u>0</u> FAC Species <u>92</u> x 3 = <u>276</u> FACU Species <u>7</u> x 4 = <u>28</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>99</u> (A) <u>304</u> (B) Prevalence Index = B/A = <u>3.071</u>	
Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>					
1. <u>Salix barclayi</u>	<u>80</u>	<input checked="" type="checkbox"/>	<u>FAC</u>		
2. <u>Alnus viridis ssp. crispa</u>	<u>5</u>	<input type="checkbox"/>	<u>FAC</u>		
3. <u>Sorbus scopulina</u>	<u>3</u>	<input type="checkbox"/>	<u>FACU</u>		
4. <u>Viburnum edule</u>	<u>1</u>	<input type="checkbox"/>	<u>FACU</u>		
5. _____	<u>0</u>	<input type="checkbox"/>	_____		
6. _____	<u>0</u>	<input type="checkbox"/>	_____		
7. _____	<u>0</u>	<input type="checkbox"/>	_____		
8. _____	<u>0</u>	<input type="checkbox"/>	_____		
9. _____	<u>0</u>	<input type="checkbox"/>	_____		
10. _____	<u>0</u>	<input type="checkbox"/>	_____		
Total Cover:		<u>89</u>			
Herb Stratum 50% of Total Cover: <u>44.5</u> 20% of Total Cover: <u>17.8</u>					
1. <u>Athyrium cyclosorum</u>	<u>5</u>	<input checked="" type="checkbox"/>	<u>FAC</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 (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
2. <u>Streptopus amplexifolius</u>	<u>3</u>	<input checked="" type="checkbox"/>	<u>FACU</u>		
3. <u>Calamagrostis canadensis</u>	<u>1</u>	<input type="checkbox"/>	<u>FAC</u>		
4. <u>Aconitum delphinifolium</u>	<u>1</u>	<input type="checkbox"/>	<u>FAC</u>		
5. _____	<u>0</u>	<input type="checkbox"/>	_____		
6. _____	<u>0</u>	<input type="checkbox"/>	_____		
7. _____	<u>0</u>	<input type="checkbox"/>	_____		
8. _____	<u>0</u>	<input type="checkbox"/>	_____		
9. _____	<u>0</u>	<input type="checkbox"/>	_____		
10. _____	<u>0</u>	<input type="checkbox"/>	_____		
Total Cover:		<u>10</u>			
50% of Total Cover: <u>5</u> 20% of Total Cover: <u>2</u>					
Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>					

Remarks: Closed tall willow w/ scattered tall alder. Understory viburnum, ferns, streptopus, monkshood, moss.

