

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 04-Aug-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T150_06
 Investigator(s): SLI, EAC Landform (hillside, terrace, hummocks etc.): Shoreline
 Local relief (concave, convex, none): hummocky Slope: 0.0 % / 0.0 ° Elevation: 774
 Subregion: Interior Alaska Mountains Lat.: 63.328982949 Long.: -148.286220074 Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: PEM1F**

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: one rusty blackbird observed on snag above water. likely second rusty blackbird flushed. adult non-breeding coloration. characterizing hgwf swale at pond margin. emergent fringe of pond, likely connects to community characterized by sw13-t150-05 (check aerial imagery).	

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>5</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>6</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>83.3%</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>Salix fuscescens</u>	1	<input checked="" type="checkbox"/>	FACW	Total % Cover of: Multiply by:
2. <u>Picea glauca</u>	1	<input checked="" type="checkbox"/>	FACU	OBL Species <u>20.2</u> x 1 = <u>20.2</u>
3. <u>Vaccinium uliginosum</u>	0.1	<input type="checkbox"/>	FAC	FACW Species <u>12.2</u> x 2 = <u>24.40</u>
4. <u>Empetrum nigrum</u>	0.1	<input type="checkbox"/>	FAC	FAC Species <u>20.3</u> x 3 = <u>60.90</u>
5. _____	0	<input type="checkbox"/>	_____	FACU Species <u>1</u> x 4 = <u>4</u>
6. _____	0	<input type="checkbox"/>	_____	UPL Species <u>0</u> x 5 = <u>0</u>
7. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>53.7</u> (A) <u>109.5</u> (B)
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>2.039</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover: <u>2.2</u>				Hydrophytic Vegetation Indicators:
<u>Herb Stratum</u>	50% of Total Cover: <u>1.1</u>	20% of Total Cover: <u>0.44</u>		<input checked="" type="checkbox"/> Dominance Test is > 50%
1. <u>Carex canescens (IAM)</u>	10	<input checked="" type="checkbox"/>	FAC	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Calamagrostis canadensis</u>	10	<input checked="" type="checkbox"/>	FAC	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. <u>Carex aquatilis</u>	20	<input checked="" type="checkbox"/>	OBL	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
4. <u>Petasites frigidus</u>	1	<input type="checkbox"/>	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. <u>Ranunculus gmelinii</u>	0.1	<input type="checkbox"/>	FACW	Plot size (radius, or length x width) <u>10m</u>
6. <u>Arctagrostis latifolia</u>	10	<input checked="" type="checkbox"/>	FACW	% Cover of Wetland Bryophytes (Where applicable) _____
7. <u>Senecio triangularis</u>	0.1	<input type="checkbox"/>	FACW	% Bare Ground <u>70</u>
8. <u>Ranunculus hyperboreus</u>	0.1	<input type="checkbox"/>	OBL	Total Cover of Bryophytes <u>10</u>
9. <u>Equisetum arvense</u>	0.1	<input type="checkbox"/>	FAC	
10. <u>Lemna trisulca</u>	0.1	<input type="checkbox"/>	OBL	
Total Cover: <u>51.5</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>25.75</u>	20% of Total Cover: <u>10.3</u>			
Remarks: trace rumex arcticus. abundant snags/down trees. down trees supporting clumps of drier vegetation (grasses, petfri, sentri, shrubs). shallow open water w ranunculus, carex.				

