

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 31-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T154_04
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): drainage
 Local relief (concave, convex, none): concave Slope: 3.5 % / 2.0 ° Elevation: 1132
 Subregion: Interior Alaska Mountains Lat.: 63.2371321041 Long.: -148.371035904 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: PUSC

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: Wide drainage, recently ponded but the beaver dam broke. Small active channel <5 ft running through drainage . large area of ponded water running parallel to stream	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				
1. _____	0	<input type="checkbox"/>	_____	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</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:		0		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>1.2</u> x 1 = <u>1.2</u> FACW Species <u>0.1</u> x 2 = <u>0.200</u> FAC Species <u>0</u> x 3 = <u>0</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>1.3</u> (A) <u>1.400</u> (B) Prevalence Index = B/A = <u>1.077</u>
Sapling/Shrub Stratum		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. _____	0	<input type="checkbox"/>	_____	
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:		0		
Herb Stratum		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</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 checked="" type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Ranunculus gmelinii</u>	0.1	<input type="checkbox"/>	FACW	
2. <u>Carex aquatilis</u>	1	<input checked="" type="checkbox"/>	OBL	
3. <u>Hippuris vulgaris</u>	0.1	<input type="checkbox"/>	OBL	
4. <u>Sparganium hyperboreum</u>	0.1	<input 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"/>	_____	
Total Cover:		1.3		
50% of Total Cover: <u>0.65</u>		20% of Total Cover: <u>0.26</u>		

Remarks: sparsely vegetated ponded area.

