

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_T319_04
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): Lacustrine Fringe
 Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° Elevation: _____
 Subregion: Cook Inlet Mountains Lat.: _____ Long.: _____ 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:	

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>4</u> (A)
2. _____	0	<input type="checkbox"/>	_____	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
3. _____	0	<input type="checkbox"/>	_____	Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover:			0	
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>		Prevalence Index worksheet:
1. <u>Andromeda polifolia</u>	1	<input checked="" type="checkbox"/>	FACW	Total % Cover of: Multiply by:
2. <u>Vaccinium oxycoccos</u>	1	<input checked="" type="checkbox"/>	OBL	OBL Species <u>31</u> x 1 = <u>31</u>
3. <u>Betula glandulosa</u>	1	<input checked="" type="checkbox"/>	FAC	FACW Species <u>1</u> x 2 = <u>2</u>
4. _____	0	<input type="checkbox"/>	_____	FAC Species <u>1</u> x 3 = <u>3</u>
5. _____	0	<input type="checkbox"/>	_____	FACU Species <u>0</u> x 4 = <u>0</u>
6. _____	0	<input type="checkbox"/>	_____	UPL Species <u>0</u> x 5 = <u>0</u>
7. _____	0	<input type="checkbox"/>	_____	Column Totals: <u>33</u> (A) <u>36</u> (B)
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>1.091</u>
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:			3	Hydrophytic Vegetation Indicators:
Herb Stratum	50% of Total Cover: <u>1.5</u>	20% of Total Cover: <u>0.6</u>		<input checked="" type="checkbox"/> Dominance Test is > 50%
1. <u>Eriophorum angustifolium</u>	20	<input checked="" type="checkbox"/>	OBL	<input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0
2. <u>Menyanthes trifoliata</u>	3	<input type="checkbox"/>	OBL	<input type="checkbox"/> Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3. <u>Carex limosa</u>	3	<input type="checkbox"/>	OBL	<input type="checkbox"/> Problematic Hydrophytic Vegetation (Explain)
4. <u>Drosera rotundifolia</u>	1	<input type="checkbox"/>	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5. <u>Carex lasiocarpa</u>	2	<input type="checkbox"/>	OBL	Plot size (radius, or length x width) <u>5m</u>
6. <u>Juncus biglumis</u>	1	<input type="checkbox"/>	OBL	% Cover of Wetland Bryophytes (Where applicable) _____
7. _____	0	<input type="checkbox"/>	_____	% Bare Ground <u>0</u>
8. _____	0	<input type="checkbox"/>	_____	Total Cover of Bryophytes _____
9. _____	0	<input type="checkbox"/>	_____	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:			30	Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/>
50% of Total Cover: <u>15</u>	20% of Total Cover: <u>6</u>			

Remarks: <5% total shrub cover, thus no shrub species considered dominant.

