

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 10-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T127_03
 Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Mountainslope
 Local relief (concave, convex, none): flat Slope: 20.0 % / 11.3 ° Elevation: 1204
 Subregion: Southcentral Alaska Lat.: 62.943167329 Long.: -149.000428081 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 type="radio"/> No <input checked="" 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:	

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

Tree Stratum	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>3</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>50.0%</u> (A/B)	
4. _____	0	<input type="checkbox"/>	_____			
5. _____	0	<input type="checkbox"/>	_____			
Total Cover: <u>0</u>						
Sapling/Shrub Stratum	50% of Total Cover: <u>0</u>		20% of Total Cover: <u>0</u>		Prevalence Index worksheet:	
1. <u>Empetrum nigrum</u>	15	<input checked="" type="checkbox"/>	FAC	Total % Cover of:	Multiply by:	
2. <u>Cassiope tetragona</u>	10	<input checked="" type="checkbox"/>	FACU	OBL Species <u>0</u>	x 1 = <u>0</u>	
3. <u>Dryas octopetala</u>	5	<input type="checkbox"/>	UPL	FACW Species <u>0.1</u>	x 2 = <u>0.200</u>	
4. <u>Salix rotundifolia</u>	1	<input type="checkbox"/>	FAC	FAC Species <u>18.1</u>	x 3 = <u>54.30</u>	
5. <u>Diapensia lapponica</u>	0.1	<input type="checkbox"/>	UPL	FACU Species <u>12.1</u>	x 4 = <u>48.40</u>	
6. <u>Ledum decumbens</u>	0.1	<input type="checkbox"/>	FACW	UPL Species <u>5.3</u>	x 5 = <u>26.5</u>	
7. <u>Vaccinium vitis-idaea</u>	0.1	<input type="checkbox"/>	FAC	Column Totals: <u>35.6</u> (A)	<u>129.4</u> (B)	
8. _____	0	<input type="checkbox"/>	_____	Prevalence Index = B/A = <u>3.635</u>		
9. _____	0	<input type="checkbox"/>	_____			
10. _____	0	<input type="checkbox"/>	_____			
Total Cover: <u>31.3</u>						
50% of Total Cover: <u>15.65</u>		20% of Total Cover: <u>6.26</u>		Hydrophytic Vegetation Indicators:		
1. <u>Artemisia norvegica</u>	1	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Dominance Test is > 50%		
2. <u>Carex bigelowii</u>	1	<input checked="" type="checkbox"/>	FAC	<input type="checkbox"/> Prevalence Index is ≤ 3.0		
3. <u>Gentiana glauca</u>	1	<input checked="" type="checkbox"/>	FAC	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
4. <u>Anthoxanthum monticola ssp. alpinum</u>	1	<input checked="" type="checkbox"/>	FACU	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)		
5. <u>Anemone narcissiflora</u>	0.1	<input type="checkbox"/>	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
6. <u>Sedum rosea</u>	0.1	<input type="checkbox"/>	FAC	Plot size (radius, or length x width) <u>10m</u>		
7. <u>Arnica alpina var. attenuata</u>	0.1	<input type="checkbox"/>	UPL	% Cover of Wetland Bryophytes (Where applicable) _____		
8. <u>Antennaria monocephala</u>	0.1	<input type="checkbox"/>	UPL	% Bare Ground <u>30</u>		
9. <u>Campanula lasiocarpa</u>	0.1	<input type="checkbox"/>	UPL	Total Cover of Bryophytes <u>10</u>		
10. <u>Diphasiastrum alpinum</u>	0.1	<input type="checkbox"/>	FACU	Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>		
Total Cover: <u>4.6</u>						
50% of Total Cover: <u>2.3</u>		20% of Total Cover: <u>0.92</u>				
Remarks: Bare ground = small boulders with crustose lichen. Abundant forage lichens including cladina, stereocaulon, thaver. trace carex crawfordii, unid sp (maybe primula cuneifolia?)						

