

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 07-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T15_02
 Investigator(s): CTS, EKJ Landform (hillside, terrace, hummocks etc.): Gulch or Gully
 Local relief (concave, convex, none): concave Slope: % / 9.2 ° Elevation: 859
 Subregion: Interior Alaska Mountains Lat.: 63.3507482029 Long.: -148.672455278 Datum: NAD83
 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: Small creek in plot at bottom of gully	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum				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>2</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
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"/>	_____	
Total Cover:		0		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>2.1</u> x 2 = <u>4.2</u> FAC Species <u>117.1</u> x 3 = <u>351.3</u> FACU Species <u>77</u> x 4 = <u>308</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>196.2</u> (A) <u>663.5</u> (B) Prevalence Index = B/A = <u>3.382</u>
Sapling/Shrub Stratum		50% of Total Cover: <u>0</u>	20% of Total Cover: <u>0</u>	
1. <u>Alnus viridis</u>	85	<input checked="" type="checkbox"/>	FAC	
2. <u>Spiraea stevenii</u>	15	<input type="checkbox"/>	FACU	
3. <u>Ribes triste</u>	15	<input type="checkbox"/>	FAC	
4. <u>Linnaea borealis</u>	3	<input type="checkbox"/>	FACU	
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:		118		
Herb Stratum		50% of Total Cover: <u>59</u>	20% of Total Cover: <u>23.6</u>	Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is > 50% <input type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Cornus canadensis</u>	40	<input checked="" type="checkbox"/>	FACU	
2. <u>Calamagrostis canadensis</u>	15	<input type="checkbox"/>	FAC	
3. <u>Dryopteris expansa</u>	10	<input type="checkbox"/>	FACU	
4. <u>Spinulum annotinum</u>	5	<input type="checkbox"/>	FACU	
5. <u>Chamaenerion angustifolium</u>	4	<input type="checkbox"/>	FACU	
6. <u>Rumex obtusifolius</u>	2	<input type="checkbox"/>	FACW	
7. <u>Polemonium acutiflorum</u>	2	<input type="checkbox"/>	FAC	
8. <u>Aconitum delphinifolium</u>	0.1	<input type="checkbox"/>	FAC	
9. <u>Dodecatheon frigidum</u>	0.1	<input type="checkbox"/>	FACW	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		78.2		
50% of Total Cover: <u>39.1</u>		20% of Total Cover: <u>15.64</u>		
Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>				
Remarks: Rumex is R. fenestratus (not in wetform database even as a synonym), Boyric, Sedros, Artarc, Clasar, Oxyria digyna, Stellaria laeta, Poa pratensis ssp irrigata (collected) = 0.1 cover				

