

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 02-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T53_08
 Investigator(s): CTS, EKJ Landform (hillside, terrace, hummocks etc.): Mountainslope
 Local relief (concave, convex, none): concave Slope: % / 7.5 ° Elevation: 658
 Subregion: Southcentral Alaska Lat.: 62.8096182361 Long.: -149.067935721 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 checked="" type="radio"/> No <input 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: <u>Stca w a few Picgla overtopping near plot</u>	

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"/>	_____	
2. _____	0	<input type="checkbox"/>	_____	
3. _____	0	<input type="checkbox"/>	_____	
4. _____	0	<input type="checkbox"/>	_____	
5. _____	0	<input type="checkbox"/>	_____	
Total Cover:		0		
Sapling/Shrub Stratum				
	50% of Total Cover:	0	20% of Total Cover:	0
1. <u>Alnus viridis</u>	90	<input checked="" type="checkbox"/>	FAC	
2. <u>Ribes triste</u>	1	<input type="checkbox"/>	FAC	
3. <u>Linnaea borealis</u>	0.1	<input type="checkbox"/>	FACU	
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:		91.1		
	50% of Total Cover:	45.55	20% of Total Cover:	18.22
Herb Stratum				
1. <u>Dryopteris expansa</u>	30	<input checked="" type="checkbox"/>	FACU	
2. <u>Sanguisorba canadensis</u>	7	<input type="checkbox"/>	FACW	
3. <u>Spinulum annotinum</u>	1	<input type="checkbox"/>	FACU	
4. <u>Trientalis europaea</u>	2	<input type="checkbox"/>	FACU	
5. <u>Mertensia paniculata</u>	1	<input type="checkbox"/>	FACU	
6. <u>Equisetum sylvaticum</u>	0.1	<input type="checkbox"/>	FAC	
7. <u>Rubus pedatus</u>	1	<input type="checkbox"/>	FAC	
8. <u>Cornus canadensis</u>	2	<input type="checkbox"/>	FACU	
9. <u>Calamagrostis canadensis</u>	25	<input checked="" type="checkbox"/>	FAC	
10. <u>Rubus arcticus</u>	0.1	<input type="checkbox"/>	FAC	
Total Cover:		69.2		
	50% of Total Cover:	34.6	20% of Total Cover:	13.84

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
 Total Number of Dominant Species Across All Strata: 3 (B)
 Percent of dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

Prevalence Index worksheet:
 Total % Cover of: Multiply by:
 OBL Species 0 x 1 = 0
 FACW Species 7 x 2 = 14
 FAC Species 117.2 x 3 = 351.6
 FACU Species 36.1 x 4 = 144.4
 UPL Species 0 x 5 = 0
 Column Totals: 160.3 (A) 510 (B)
 Prevalence Index = B/A = 3.182

Hydrophytic Vegetation Indicators:
 Dominance Test is > 50%
 Prevalence Index is ≤ 3.0
 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Plot size (radius, or length x width) 10m
 % Cover of Wetland Bryophytes (Where applicable) 0
 % Bare Ground 2
 Total Cover of Bryophytes 0

Hydrophytic Vegetation Present? Yes No

Remarks:

