

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 30-Jul-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T05_07
 Investigator(s): CTS, EKJ Landform (hillside, terrace, hummocks etc.): Channel (active)
 Local relief (concave, convex, none): convex Slope: % / 7.0 ° Elevation: 515
 Subregion: Interior Alaska Mountains Lat.: 62.7826180384 Long.: -147.905025746 Datum: NAD83
 Soil Map Unit Name: _____ NWI classification: R3USC

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"/>	<p align="center">Is the Sampled Area within a Wetland?</p> Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: _____	

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>Salix alaxensis</u>	1	<input type="checkbox"/>	FAC	
2. <u>Populus balsamifera</u>	1	<input type="checkbox"/>	FACU	
3. <u>Alnus viridis</u>	1	<input type="checkbox"/>	FAC	
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:		3		
Herb Stratum				
	50% of Total Cover:	1.5	20% of Total Cover:	0.6
1. <u>Parnassia palustris</u>	5	<input checked="" type="checkbox"/>	FACW	
2. <u>Chamaenerion latifolium</u>	2	<input checked="" type="checkbox"/>	FAC	
3. <u>Eurybia sibirica</u>	1	<input type="checkbox"/>	FAC	
4. <u>Hedysarum alpinum</u>	0.1	<input type="checkbox"/>	FACU	
5. <u>Equisetum scirpoides</u>	0.1	<input type="checkbox"/>	FACU	
6. <u>Festuca rubra</u>	0.1	<input type="checkbox"/>	FAC	
7. <u>Artemisia tilesii</u>	0.1	<input type="checkbox"/>	FACU	
8. <u>Sanguisorba canadensis</u>	0.1	<input type="checkbox"/>	FACW	
9. <u>Astragalus alpinus</u>	0.1	<input type="checkbox"/>	FAC	
10. _____	0	<input type="checkbox"/>	_____	
Total Cover:		8.60		
	50% of Total Cover:	4.300	20% of Total Cover:	1.720

Dominance Test worksheet:
 Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
 Total Number of Dominant Species Across All Strata: 2 (B)
 Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:
 Total % Cover of: Multiply by:
 OBL Species 0 x 1 = 0
 FACW Species 5.1 x 2 = 10.2
 FAC Species 5.2 x 3 = 15.6
 FACU Species 1.3 x 4 = 5.200
 UPL Species 0 x 5 = 0
 Column Totals: 11.6 (A) 31 (B)
 Prevalence Index = B/A = 2.672

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 95
 Total Cover of Bryophytes 0

Hydrophytic Vegetation Present? Yes No

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

