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		Sampli	ing Point:	W12_T15_06
Investigator(s): CTS, EKJ	Landform (hills	side, terrace, hummocks etc.):	Valley bottom	
Local relief (concave, convex, none): flat	Slope: 1.7	% / 1.0 ° Elevation: 768	3	
Subregion : Interior Alaska Mountains	Lat.: 63.362999907	6 Long.: -148.664779	€969 E	Datum: WGS84
Soil Map Unit Name:		NWI class	ification: PSS10	C
	e of year? Yes (nificantly disturbed? turally problematic?	No (If no, explain ir Are "Normal Circumstances (If needed, explain any answ	" present? Yes	
SUMMARY OF FINDINGS - Attach site map showin	ng sampling point	locations, transects, impo	rtant features,	etc.
Hydrophytic Vegetation Present? Yes • No				

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes ● Yes ● Yes ●	No () No () No ()	Is the Sampled Area within a Wetland?	Yes 🖲 No 🔾	
Remarks: Slows near small but deep ch	nannelized :	stream in valley bottom			

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

Tree Stratum % Cover Species? Status Number of Dominant Species J 1. 0 </th <th></th> <th></th> <th></th> <th>Absolute</th> <th>Dominant</th> <th>Indicator</th> <th>Dominance Test worksheet:</th>				Absolute	Dominant	Indicator	Dominance Test worksheet:
1. 0	Tre	e Stratum					
2. 0 0 Species Across AII Strata: 3 (6) 3. 0 0 Percent of dominant Species 3 (6) 3. 0 0 Percent of dominant Species 100.0% (AB) 5. 0 0 0 Percent of dominant Species 100.0% (AB) 5. 0 0 0 Percent of dominant Species 100.0% (AB) 5. 0 0 0 Percent of dominant Species 100.0% (AB) 7. 50% of Total Cover: 0 20% of Total Cover: 0 15 FACW FACW Species 31. x 1 = 20 7. 0 15 FAC FACU Species 0.x 4 = 0 0 10 165.8 (B) 6. 0 0 0 0 10.1 165.8 (B) 165.8 (B) 7. 0 0 0 0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	1.			0			That are OBL, FACW, or FAC: (A)
3.	2						
4.							
5. 0 0 Prevalence Index worksheet: Total % Cover of: Multiply by: Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 1. Salix pulchra 35 FAC FAC FAC FAC 2. Vaccinium ultiginosum 15 FAC FAC FAC FAC FAC 3. Dasiphora fruticosa 0.1 FAC FAC FAC FAC Salix barclayi 5 FAC 5. 0 0 0 Column Totals: 81.3 (A) 168.8 (B) 6. 0 0 0 0 Column Totals: 81.3 (A) 168.8 (B) 9. 0 0 0 0 Prevalence Index is 3.0 Hydrophytic Vegetation Indicators: 9 2.076 Hydrophytic Vegetation 1/0 (Explain) 1 1. Carex aquatilis 20 0 0 Problematic soil and wetland hydrology must be present. unless disturbed or problematic. 2. Carex aquatilis 21 FAC FAC Problematic soil and wetland hydrology must be present. unless disturbed or problematic.							
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50% of Total Cover: <u>13.1</u> 20% of Total Cover: <u>5.24</u> Present? Yes NO				26.2			Vegetation
Remarks:		50% of Total Co	over: <u>1</u>		of Total Cover:	5.24	Present? Yes \bullet No \bigcirc
	Rem	narks:					

(inches)	Color (n	noist)	%	Color (n	noist)	%	Type ¹	Loc ²	Texture		Rem	arks
0-2		<u> </u>	100						Fibric Organics			
2-5	5Y	3/2	80	10YR	4/6	10	C	PL	Fine Loamy Silt	10% ro	oots	
5-7	5Y	2.5/1	90						Fine Loamy Silt	10% ro	oots	
7-8	5YR	2.5/1	65	7.5YR	3/4	15	С	M	Silt Loam	buried	organics, 20%	roots
8-15	5Y	3/1	60	N	2.5/1	20	D	PL	Sandy Loam	10% 5	Y3/1 C/P, 10%	roots
						-			<u></u>	_		
				<u>.</u>								
ype: C=Con	centration.)=Depletion	ı. RM=Red	uced Matrix	² Location:	PL=Por	e Lining. RC	C=Root Cha	annel. M=Matrix			
dric Soil Ir	ndicators:			Indicat	ors for Pro	blemati	c Hydric So	oils: ³				
Histosol or	Histel (A1)				ka Color Cha				Alaska Gleyed Withou	t Hue 5Y o	or Redder	
Histic Epipe	edon (A2)				ka Alpine sv	•	,		Underlying Layer			
	Sulfide (A4)			L Alas	ka Redox W	ith 2.5Y F	lue		Other (Explain in Rem	iarks)		
	Surface (A1	.2)		³ One ii	ndicator of h	nydrophyt	ic vegetatio	n, one prir	mary indicator of wetlan	d hydrolog	ју,	
Alaska Gley Alaska Red				and an	appropriate	andscap	pe position r	nust be pr	esent			
	ved Pores (A	(15)		⁴ Give o	letails of co	lor chang	e in Remark	s				
trictive Leve	r (if present											
):							Hydric Soil Prese	nt? `	Yes 🔍 N	
Type: Depth (inch									Hydric Soil Prese	nt? `	Yes 🔍 N	lo ()
Type: Depth (inch marks:	ies): GY								-			lo O are required)
Type: Depth (inch marks: (DROLO etland Hydr imary Indicat	GY Grology India tors (any one	cators:							Secondary I	ndicators (Stained Lea	<u>'two or more</u> aves (B9)	
Type: Depth (inch marks:	GY Grology India tors (any one 'ater (A1)	cators: e is sufficien			undation Vis		5	, , ,	Secondary I	ndicators (itained Lea e Patterns	<u>'two or more</u> aves (B9) 5 (B10)	are required)
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