WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	E	Borough/City:	Matanusk	a-Susitna Borough Sampling Date: 02-Dec-15
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW15_T344_04
nvestigator(s): JGK		Landform (hills	side, terrac	e, hummocks etc.): Basin
Local relief (concave, convex, none): concave		Slope: 0.0	%/ 0.0) ° Elevation:
Subregion : Interior Alaska Mountains	Lat.:			Long.: Datum: WGS84
ioil Map Unit Name:	Lutin			NWI classification: PUBH
		- Vac	• No ()	
are climatic/hydrologic conditions on the site typical for this Are Vegetation . Soil , or Hydrology	•			
	-	ly disturbed?		
Are Vegetation 🗹 , Soil 🗹 , or Hydrology 🗌	naturally p	roblematic?	(If nee	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map sh	nowing sar	npling point	locations	s, transects, important features, etc.
Hydrophytic Vegetation Present? Yes 🔍 No	0			
Hydric Soil Present? Yes • No	0	ls	the Sam	ipled Area
Wetland Hydrology Present? Yes Ves		wi	thin a W	/etland? Yes $ullet$ No $igodoldsymbol{ imes}$
Remarks: Water level down considerablyfringe of carsa		r) on procumat	ly the oute	produce of the original pend boundary. Water depth-4 ft
The marks. Water lever down considerablyminge of carsa	x (30% COVE	i) on presumat	iny the oute	
EGETATION - Use scientific names of plants.	List all sn	ecies in the i	alot	
	List an sp		5101.	Dominance Test worksheet:
Tree Stratum	Absolute % Cover		Indicator Status	Number of Dominant Species
1	0		Status	That are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
1				Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
4 5.	0			
Total Cov				Prevalence Index worksheet:
Sapling/Shrub Stratum 50% of Total Cover:		6 of Total Cover:	0	Total % Cover of: Multiply by:
				OBL Species $0 \times 1 = 0$
1.				FACW Species $0 \times 2 = 0$
2.	0			FAC Species $0 \times 3 = 0$ FACU Species $0 \times 4 = 0$
3.				
4.				UPL Species x 5 =
5				Column Totals: 0 (A) 0 (B)
6	•			Prevalence Index = B/A =0.000
7	0			
8				Hydrophytic Vegetation Indicators: Dominance Test is > 50%
9				$\square Prevalence Index is \le 3.0$
10				
Herb Stratum 50% of Total Cover:		% of Total Cover:	0	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
 1	0			Problematic Hydrophytic Vegetation (Explain)
2.				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4.			-	
5.	•			Plot size (radius, or length x width) <u>5m</u>
6.				% Cover of Wetland Bryophytes (Where applicable)
	-			% Bare Ground
7				
7. 8.				Total Cover of Bryophytes
	0			
8	0			Hydrophytic
8 9	0 0 0 ver: 0			

	olor (moist)	<u>%</u>	Color (moist)	<u>%</u> <u>Type¹</u>	_Loc_ ²	Texture	Remarks
				·			
		1. RM=Reduce		n: PL=Pore Lining. RC		nnel. M=Matrix	
ydric Soil Indicato Histosol or Histel Histic Epipedon (/ Hydrogen Sulfide Thick Dark Surfac Alaska Gleyed (A: Alaska Redox (A1	(A1) A2) (A4) (ce (A12) 13) (4)		Alaska Color Cl Alaska Alpine s Alaska Alpine s Alaska Redox V 3 One indicator of and an appropriat	hange (TA4) ⁴ wales (TA5) Vith 2.5Y Hue hydrophytic vegetatio ie landscape position	on, one prim	Alaska Gleyed Without Hu Underlying Layer Other (Explain in Remark ary indicator of wetland h sent	s)
Alaska Gleyed Po				olor change in Remark	s		
Type: Depth (inches):	cocny					Hydric Soil Present	? Yes 🖲 No 🔿
marks: ndated pond, assur	me hydric soil.						
marks: indated pond, assur (DROLOGY etland Hydrology	Indicators:					_Secondary India	cators (two or more are required)
marks: Indated pond, assur Indated pond, assur Indated pond, assur Indicators (ar Surface Water (A High Water Table Saturation (A3) Water Marks (B1 Sediment Deposits Drift Deposits (B1 Algal Mat or Cruss Iron Deposits (B2 Surface Soil Crace	Indicators: ny one is sufficien A1) e (A2) .) its (B2) 3) st (B4) 5) cks (B6)	nt)	Sparsely Veg Marl Deposit: Hydrogen Su Dry-Season V	. ,		Secondary India Secondary India Water Stair Drainage P Oxidized RI Presence o Salt Deposi Stunted or Geomorphi Shallow Aq	cators (two or more are required) ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3 f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) raphic Relief (D4)
	Indicators: ny one is sufficier A1) e (A2) .) its (B2) 3) st (B4) 5) :ks (B6) : nt?	nt)	Sparsely Veg Marl Deposit: Hydrogen Su Dry-Season V	etated Concave Surfa s (B15) Ifide Odor (C1) Water Table (C2) in in Remarks)	ce (B8)	Secondary Indic Water Stair Drainage P Oxidized RI Presence o Salt Deposi Stunted or Stunted or Shallow Aq Microtopog	cators (two or more are required) ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3 f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) raphic Relief (D4) I Test (D5)

Remarks:

water levels appear to be lower than normal