WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydro	oelectric Project	Во	rough/City:	Denali Bo	rough Sampling Date:	06-Aug-13	
Applica	ınt/Owner: Alaska Energy Au	ıthority				Sampling Point: SW1	.3_T165_01	
	gator(s): CTS, AMD		L	andform (hill	side. terrac	e, hummocks etc.): Flat		
	elief (concave, convex, none):	flat		Slope: 1.0	,	, 1100		
	·						WCC04	
_	ion : Interior Alaska Mountain	<u>S</u>	Lat.: 6	3.392298698	3		ım: <u>WGS84</u>	
Soil Ma	p Unit Name:					NWI classification: Upland		
Are V Are V	natic/hydrologic conditions on t legetation , Soil legetation , Soil MARY OF FINDINGS - At	, or Hydrology	significantly naturally pro ving sam	disturbed? oblematic?	Are "N (If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● ded, explain any answers in Remarks.) s, transects, important features, et		
	Hydrophytic Vegetation Preser			Is	the Sam	pled Area		
	Hydric Soil Present?	Yes No •			thin a W	_		
	Wetland Hydrology Present?	Yes ○ No ●)	***	tiiii a vv	etiana:		
	arks: E TATION - Use scientific I	names of plants. Li	st all spec	cies in the	plot.	Dominum Takun dakan		
			Absolute	Dominant		Dominance Test worksheet: Number of Dominant Species		
	Stratum		% Cover	Species?	Status		3(A)	
	Picea glauca			✓	FACU	Total Number of Dominant		
	Populus balsamifera				FACU	Species Across All Strata:	<u>5</u> (B)	
3.						Percent of dominant Species	00/ (A/D)	
4.						That Are OBL, FACW, or FAC: 60	.0% (A/B)	
5.						Prevalence Index worksheet:		
		Total Cover:				Total % Cover of: Multiply by	:	
Sap	ling/Shrub Stratum	50% of Total Cover: 2	20% (of Total Cover:	9	OBL Species 0 x 1 =	0	
1.	Picea glauca		5		FACU	FACW Species 14 x 2 =	28	
2.	Salix barclayi		60	✓	FAC	FAC Species <u>183</u> x 3 =	549	
3.	Rosa acicularis		25		FACU	FACU Species <u>151</u> x 4 =	604	
4.	Salix pulchra		2		FACW	UPL Species0 x 5 =	0	
5.	Shepherdia canadensis		20		FACU	Column Totals: 348 (A)	1181 (B)	
6.	Salix arbusculoides		10		FACW	Column Totals. <u>510</u> (A)	(B)	
	Salix pseudomonticola		5		FAC	Prevalence Index = B/A = 3.	394_	
	Vaccinium uliginosum		30	✓	FAC	Hydrophytic Vegetation Indicators:		
	Dasiphora fruticosa		8		FAC	✓ Dominance Test is > 50%		
	Empetrum nigrum		5		FAC	Prevalence Index is ≤3.0		
Her	b Stratum_	Total Cover: 50% of Total Cover:		of Total Cover	: 34	Morphological Adaptations ¹ (Provide sup Remarks or on a separate sheet)	pporting data in	
1.	Cornus canadensis		40	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Ex	xplain)	
2.	Astragalus alpinus		15		FAC	¹ Indicators of hydric soil and wetland hydrolog		
3.	Lupinus polyphyllus		25		FAC	be present, unless disturbed or problematic.	<i>5,</i>	
4.	Mertensia paniculata		3		FACU			
5.	Artemisia tilesii				FACU		10m	
6.	Solidago lepida		5		FACU	% Cover of Wetland Bryophytes (Where applicable)		
7.	Rubus arcticus (IAM)		2		FACU)	
8.	Sanguisorba canadensis		2		FACW		30	
9.	Equisetum arvense		35	✓	FAC		,,,	
10.	Chamerion angustifolium		4		FACU	Hydrophytic		
		Total Cover:	133			Vegetation		
				of Total Cover:	26.6	Present? Yes • No ·		
Rem	arks: Lichen = 0, Ortsec = 0.	1, Calcan = 2						

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SOIL Sampling Point: SW13_T165_01

(inches)	Calas (m	-:	0/	Calas (se	-1-41	0/	Type ¹	Loc ²	Texture	Remarks
0-3	Color (m	oist)	<u>%</u>	Color (m	ioist)	<u>%</u>	Туре	LOC	Hemic Organics	Kemarks
3-7	5Y	3/2	100						Silt Loam	-
7-8	10YR	2/2	100						Silt Loam	_
8-20	2.5Y		90	7.5YR	1/6	10			Silt Loam	
6-20	2.51	3/1	90	7.51K	4/6	10	C	IVI	SIIL LOBIII	-
						-		-	-	_
								-		
Tymes C-Con				and Matrix	2 Location	. DI - Dow	- Lining DC		nnal M-Matrix	-
		=Depletion	1. KM=Reduc				E Hydric Se		nnel. M=Matrix	
lydric Soil In					ka Color Ch		4)iis: 	Alaska Gleyed Without H	Jua EV or Daddar
Histosol or Histic Epipe	Histel (A1)				ka Color Chi ka Alpine sv		-	_	Underlying Layer	tue 51 or Reduer
≒ ''	Sulfide (A4)				ka Redox W				Other (Explain in Remar	ks)
¬ ′ ·	Surface (A12	2)								
Alaska Gley	yed (A13)	,		³ One ir	ndicator of h	nydrophyt	ic vegetation role position r	n, one prir	mary indicator of wetland	hydrology,
Alaska Red	ox (A14)					•		•	esent	
Alaska Gley	yed Pores (A	.5)		4 Give d	letails of co	lor change	e in Remark	S.		
estrictive Laye	r (if present)	:								
Type:									Hydric Soil Present	t? Yes 🔾 No 💿
71										
Depth (inchemarks:		ot apply A	laska Redox	w 2.5Y Hue	e as no prin	nary wetla	and hydrolo	gy indicato	rs were observed.	
Depth (inchemarks:		ot apply A	laska Redox	w 2.5Y Hue	e as no prin	nary wetla	and hydrolo	gy indicato	rs were observed.	
Depth (inchemarks: b hydic soil ind	dicators. cann		laska Redox	w 2.5Y Hue	e as no prin	nary wetla	and hydrolo	gy indicato	rs were observed.	
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Depth (inchese marks: b) hydic soil independent of the control of	GY Ology Indic	ators:							Secondary Ind	ined Leaves (B9)
Depth (inchese marks: b) hydic soil independent of the property of the propert	GY rology Indictors (any one ater (A1)	ators:			undation Vis	sible on A	erial Image	ry (B7)	Secondary Ind Water Sta	ined Leaves (B9) Patterns (B10)
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