Dakota Creek Industries Shipyard Facility

Sediment Sampling Data Report

Appendix B Surface Sediment Sample Collection Forms

				Da	te/Tir	ne C	ollec	ted:	11/17	100	1351
						١	Veat	her:	417000	CODL	Slightly over
					Fie	ld Pe	erson	nel:			S. Sug) Serve
Sample Type											- Compression
1. Surface 2. Next Sur		e (0-10 cm) ample (10- 20 c	cm)	·							
Sample ID/De	_	DC106-							W 135	5l _	·
		r Veen Surface							11		
Datum (Horizo	ontai/Ve	ertical) NAD							1	Μl	LN
Sample Types	1, 2, 3	, 4, 5:	12	adlii	B W	ater	Dept		43'	(A	٨)
*If sample type samples collect			Predi	cted	Tide	Elev	atior	ı		(E	3)
Samples collec	ilea i _] :es [] NO		Mu	dline	Elev	atior	۱	- 35.2	<u>,</u> (E	3-A)
- / C/			Ac		Tide				7.7		
Nr.]		Samp urface				Accep		Comments
Run # or Composite Pt	Time	Latitude (Northing)	Longitude (Easting	1	2	3	4		Sampl Y/N	e (Ir	nclude depth of sample)
		560275	1209237	.,		3	4	5	<u> </u>		Sample)
		00000	1avia 31							•	
			<u>-</u>								
· · · · · · · · · · · · · · · · · · ·											
Acceptance cri	l teria: 1	L Overlying wat	er is present. 2	Wa	ter ha	as lo	w tur	l. bidit	v 3 Samr	oler is no	ot over filled 4
Sample surface	e is flat,	5 Desired sam	ple depth is re	ache	ed				,, o ca,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	st of or finou, 4
Decon Procedu	ure∢Alc	onox Wash≳DI	water rinse, ot	her):	·						
Sediment San	ıple De	scription									
	-										
observations	teaa fia	escription (denseld ref cards):							=		
Drk aray,	ava	velly band	D1-80% 5	3he	lls	26	hel	l fre	idmon	k. 60	A. ∠ 1"
vounded"	arar	el. Emo	ulsheen	lη	Be	d.	<u>ر</u> مر	21	wid	Ole	
Sample contair	ers fille	ed (number and	tvpe):	-							
1-803 1				S							
1-1602	6 S		<u> </u>								·
Laboratory ana											
Diver Comment	te etc:								 -		<u> </u>
Sed. 4nd	13 Ell. 11(~	coldobia	Marinol a	no	115	- 1.	lo+	طه	lo-in A	Jone	trate in
14" cover	$\sim 11/2$	10 71 (no	2000-200	ייייי אייייייייייייייייייייייייייייייי	20U	<u>ni</u>	~~1		iver 1	VIN.	trate voz to vernave
Colobels	tu c	ollert ca	moles	<u> </u>		-~ ~	٠.,	ا حمده			u ranu C
	J- U										

				Dat	e/Tir	ne C	ollec	ted:	1117101	φ
						١	Veat	her:	cool shu	gully overcost
					Fie	ld Pe	rson	nel:		Enc-1255
Sample Type:										
1. Surface :		imple (10- 20 c	:m)			,			·	
Sample ID/De	-		2D (dup						me 13 Ne 130	!
Sample Metho	od (Van	Veen Surface	Grab/Qiver Co	re-C	ooki	e Cu	tter) L	- `	フ" /	
Datum (Horizo	ntal/Ve	rtical) <u>NAD</u>	83 State	Plan	I W	1 A	1		<u>/ r</u>	MUW
Sample Types			فما	Balli adlir	e W	ater	Dept	:	40'	(A)
*If sample type			Predi	cted	Tide	Elev	ation	1		_ (B)
samples collec	ieu : [1 tes [] 140		Mu	dline	Elev	ation	ı	<u>~32.4'</u>	_ (B-A)
	₋		Ac			Elev			7.6	_
Run # or Composite Pt	Time	Latitude (Northing)	Longitude (Easting			ole C e Gra			Accept Sample Y/N	Comments (Include depth of sample)
·		560230	1209652	•	_		,			, ,
		300000	10.0100							
Acceptance cri Sample surface						as lo	w tur	bidity	, 3 Sampler	is not over filled, 4
Decon Procedu	re(Alc	onox Wash (DI	water rinse; of	her):						
Sediment Sam	ple De	scription		•						
Sediment Samples on the Sample contain DCIOLO COLORD COLOR	pple De *see fie -, 50 Alou pers fille 20 20	escription (dense ld ref cards): 104	elwabu Dulus - 3 Itype): 803 DIOXI Ome rption:	nd "18 un,	an 1 Y 1-	ts 2ar 160	hel nic	1 fo	agment I and 1 1-403 TC	OC/TS
3" clath,	2"1	counded o	navel & ac	rgi	lor	<u>.</u> පි	etta	u	recover	month, large Than BA
Diver Commen	ts etc:		coboles,	no					<u> </u>	te 20/14"

				Da	te/Tir	me C	ollec	ted:	11/17/0	16
						1	Neat	her:	- •	-
					Fie	ld Pe	erson	nel:	Jsm &	Eric .
Sample Type:								-		
☑ 1. Surface ☐ 2. Next Sur		(0-10 cm) ample (10- 20 c	em)						•	
Sample ID/De	sign.	DC106	-3A (701	eet	LUX	إر	Üη	ا 10 م	0
Sample Metho	od (Var	r Veen Surface	Grab Diver Co	re-C	ooki	e Cu	tter))		
Datum (Horizo	ontal/Ve	ertical) NAD	83 Stat	<u>e 1</u>	Pla	<u>n</u>	M A	r K		MLLW
Sample Types	1, 2, 3,	4, 5:	L€	eadlii	ne W	ater	Dept	t;	32'	(A)
*If sample type	4, wer	e reference	Predi	cted	Tide	Elev	/atior	າ		(B)
samples collec	ted? L	J Yes ∐ No		Mu	dline	Elev	/atior	า	-26	(B-A)
			Ad	ctual	Tide	Elev	atior	າ	6'	_
Run # or		Latitude	Longitude			ple C e Gra			Accept	Comments (Include donth of
Composite Pt	Time	(Northing)	(Easting	1	2	3	4	5	Sample Y/N	(Include depth of sample)
		560142	1209727							35 under L Doch
										Carcinate wne
										boat condital
										aing Do
										
Acceptance cri Sample surface						as lo	w tur	bidity	, 3 Sampler	is not over filled, 4
Decon Procedu	ure (Alc	onox Wash, D	water rinse, of	ther)	: <u> </u>					
Sediment San	nple De	scription								
Sediment Sam observations - Greenish and Muf. Su Sample contain — 1-80	nple De *see fie My U Mars fille 12 d	escription (den eld ref cards): MUSL CYG NUS SNJ ed (number and	uelly san	d	מגו	sh.	011	fre	ranno ntl	constituents, other 1: Nounded polychaete worm
Diver Commen Racky, Lot Not c		debris,	Mbleslg -20 cm:	w	el	<u> l</u>	เรข	ng	7" cor	er (o-locm)

				Dat	e/Tir	ne C	ollec	ted:	1117	104
						١	Veat	her:	<u> </u>	
		•	,		Fie	ld Pe	rson	nel:	JSU =	Eric
Sample Type										
1. Surface 2. Next Sur		(0-10 cm) ample (10- 20 c		_				iH	30	_
Sample ID/De	•	DU Ø6- Veen Surface	4A cold	per			او	14	39 	
Datum (Horizo			· .					. 1	,	1
Sample Types *If sample type samples collect	1, 2, 3, 4, wer	4, 5: e reference	83 Stake Le Predi	eadlir	ne W	ater	JA Dept ation		17'	(<u>LLV</u> _ (A) _ (B)
samples collec	icu: L	1 163 🗀 140	_				ation		-9.5'	_ (B-A)
		1	Ac				atior		7.5'	
Run # or Composite Pt	Time	Latitude (Northing)	Longitude (Easting				ab Or		Accept Sample Y/N	Comments (Include depth of sample)
		559989	1209750			,				(Sample collected
										Winder L Doc
										coordinate of D
										
		Overholes week		10/-				اماند.	. 2 Canania	is not aven filled 4
Sample surfac	e is flat, ure (Afc	5 Desired sam onox Wash, DI	ple depth is re	ache	ed	as lo	w tur	bidity	/, 3 Sampler	is not over filled, 4
Sample surface Decon Proced Sediment San Observations - Some Si Sample contain	e is flat, ure (ATC nple De nple De *see fie Huge ners fille	5 Desired same onox Wash, DI scription (density of cards): 4 Cut. Wash of (number and	water rinse, of sity, moisture, angual type):	colc	ed or, m	inor	cons	stitue	nts, major o	is not over filled, 4 constituents, other y. wood debru
Sample surface Decon Proced Sediment San Observations - Some Sample contain Sample contain Aborders one	e is flat, ure (Alconple De Tele De Te	5 Desired sam onox Wash, DI scription escription (densited ref cards): fugment ed (number and	water rinse, of sity, moisture, 10% so 1, angual type): - Hoz 17	cold	ed 	inor O∫.	cons	stitue	nts, major o	constituents, other

DC106-4A

				Dat	e/Tir	ne C	ollect	ted:	111171	D6
						٧	Veatl	ner:		
					Fie	ld Pe	rson	nel:	JSM	E Evic
Sample Type:										
☑ 1. Surface S ☐ 2. Next Sur		(0-10 cm) ample (10- 20 c	cm)							
Sample ID/De	-	DCIBLO								me 1126
Sample Metho	od (Van	Veen Surface	Grab/Diver Co	ré-C	ooki	e Cui	ter)	> 1'	Ψu	
Datum (Horizo	ntal/Ve	rtical) NA) 83 Sta	Je	PI	an	W	1		MUN
Sample Types	1, 2, 3,	4, 5:	Le	adlir	ne W	ater	Dept	:	28'	(A)
*If sample type			Predi	cted	Tide	Elev	ation	١		_ (B)
samples collec	ilea?	j res ∐ No		Mu	dline	Elev	ation	<u>. </u>	-21.4°	_ (B-A)
	r .	,	Ac				ation		6.6	
Dun it on		l stitus de	Lamaituda				riteria ab Or		Accept	Comments
Run # or Composite Pt	Time	Latitude (Northing)	Longitude (Easting	1	2	3	4	, ,	Sample Y/N	(include depth of sample)
,		560097	1209976		_					, ,
			10.0 1 1 7 2							
										,
								_		
Acceptance cri Sample surface						as lo	w tur	bidity	, 3 Sampler	is not over filled, 4
Decon Procedu	ıre (A(c	onox Wash, D	water rinse, of	ther)	:					
Sediment Sam	ple De	scription	***************************************							
observations -	*see fie EQU EQ	eld ref cards): Who silter Who woo	d filters	bl		le ,	bar	ndi	nox (rea	constituents, other duced scales of second scales of seco
Laboratory ana	chox		403 Toc	TS					·	
Diver Commen										

				Dat	e/Tin	ne C			11171	06
					- ::		Veat			٠
					riei	ld Pe	rson	nei:	72W =	Eric
Sample Type:										
☐ 1. Surface : ☐ 2. Next Sur	Sample face Sa	(0-10 cm) mple (10- 20 c	m)							
Sample ID/De	sign.	DUBG	-5B	1	عاذا	>				
Sample Metho	od (Van	Veen Surface	Grab/Diver Co	re-C	ooki	e Cut	ter)	> 11	4 (1	,
Datum (Horizo	ntal/Ve	rtical) NAD	83 State	Plo	uγ	WA	N	l	/ ML	w
Sample Types					éw				28'	(A)
*If sample type			Predi	cted	Tide	Elev	ation			_ (B)
samples collec	ilea /	res 🔲 No			dline				<u>-214</u>	_ (B-A)
	7		Ac	,	Tide				6.6	_ T · · ·
Run # or		Latitude	Longitude		Samp Irface				Accept Sample	Comments (Include depth of
Composite Pt	Time	(Northing)	(Easting	1	2	3	4	5	Y/N	sample)
		560097	1209976							
								•		
A	kasia: 1	Overhing wet	or is proport ?	1 1/10	tor b	20.10	4 \$1.15	hidit	2 Complex	is not over filled. 4
Sample surface						as 10	w (ui	bluit	y, o oampier	is not over filled, 4
Decon Procede	ure (Ale	onox Wash, DI	water rinse of	ther)	:					
Sediment San	nple De	scription								
observations -	see fie	ld ref cards):	-							constituents, other
Sample contair I - 8೮೩		•		27						
Laboratory ana	ılysis:									
				<u>-</u>	 .					<u> </u>
Diver Commen	ts etc:									
				_						

				Dat	te/Tir	ne C	ollec	ted:	11/17/1	$ abla \varphi $
						١	/Veat	her:		
					Fie	ld Pe	erson	nel:	JSM &	EricRSS
Sample Type	:									
1. Surface 2. Next Sur		(0-10 cm) imple (10- 20 c	m)							
Sample ID/De	-		6-6A					w	, time	1538
		Veen Surface		ore-C	<u>ooki</u>	<u>∋ С</u> ш	tt er)			
Datum (Horizo	ontal/Ve	rtical) NAC	83 Sta	te.	Pla	<u>ın</u>	WF	1 1	4 /	MUW
Sample Types			Lé	adlii	ie W	ater	Dept	:	<u> 11' </u>	(A)
*If sample type samples collect			Predi	icted	Tide	Elev	/atior	۱		_ (B)
samples collec	ieu :	1 169 🔲 140					/atior		-40	_ (B-A)
		T	A	ctual					6.41	
Run # or Composite Pt	Time	Latitude (Northing)	Longitude (Easting				riteri ab O		Accept Sample Y/N	Comments (Include depth of sample)
-		559852	1209738	ļ			<u> </u>	-		sample located 30
			1001108							coordinate uncle
Acceptance cri Sample surfac						as lo	w tur	bidity	/, 3 Sampler	is not over filled, 4
Decon Procede	ure (Alc	onox Wash, DI	water rinse o	ther)	:					
Sediment San	nple De	scription								_
observations - Soft med. & 30ML Sh Sample contain 1 - 803 1 - 1602	*see fie H h ell f hers fille Drox	ld ref cards): Jack CDI Vagment d (number and	I'SE SANC A, rownd I type):	l &	7 _a					constituents, other clay clay rock-
Laboratory ana	ılysis:									
Diver Commen 100% COL COULD 1	ts etc: DULD 104	under Sanple	L Dock 10-20	i	2e <i>0</i> 1.	<i>jue</i>	stu	ed_	TU BOY	er not 14"

				Dat	te/Tir		ollec		11/17	0	(p
							Neat				
					Fie	ld P€	erson	inel:	<u>JSM</u>	۶	Eric
Sample Type:	•										
☐ 1. Surface: ☐ 2. Next Sur		(0-10 cm) ample (10- 20 c	:m)								
Sample ID/De	sign.	DCIO	86-7A		+	un	ه	16	202		
Sample Metho	od (Var	Veen Surface	Grab/Diver Co	ore-C	ooki	e Cu	tter)	>-	14"		
Datum (Horizo	ntal/Ve	ertical) NAO	83 State	pla	1 1	4V	И		n	١ 🖰	LW
Sample Types			Le	eadlir	ne W	ater	Dept	:	10'	_ ((A)
*If sample type samples collect			Pred								(B)
Sumples collec	nca: [_] 103 [] 110					atior		-29'	_ ((B-A)
	1	T	A:	ctual			/atior riteri		<u> </u>	一.	
Run # or		Latitude	Longitude				ab O		Accept Sample	1	Comments Include depth of
Composite Pt	Time	(Northing)	(Easting	1	2	3	4	5	Y/N	L`	sample)
		559899	1209971								
		<u> </u>		ļ							
<u></u>											
				<u> </u>		}				+	
Acceptance cri Sample surface Decon Procedu	e is flat,	5 Desired san	nple depth is re	eache	ed	l as lo	w tur	l bidit	l y, 3 Sample	ris	not over filled, 4
Sediment San	nnle De	scrintion		.,							
Sediment Sam observations : Very Soff algae (V Sample contain	nple De *see fie / SIT / CCLUS ners fille Dios	escription (den eld ref cards): H Clay, (M Deen	olivelona J. Ligh						-		stituents, other
Diver Commen		00% al	gae con	y.							

				Da	te/Tir	ne C	ollec	ted:	11/17	106
						١	Veat	her:		
					Fie	ld Pe	erson	nel:	ISU	E Eric
Sample Type:		·	 ,					-		
☐ 1 Surface ☑ 2. Next Sur			m)							
Sample ID/De	sign.	DC166	-7R		tin	ھ	ì	150		
Sample Metho	od (Van							>7	140	
Datum (Horizo	ontal/Ve	rtical) NAD	83 State	L P	lan	N	4 £	1	1	nuw
Sample Types *if sample type samples collect	4, were	e reference	Pred		Tide dline	Elev	atior atior) 	-29' -21'	_ (A) _ (B) _ (B-A)
Run # or Composite Pt	Time	Latitude (Northing)	Longitude (Easting				riteria ab Or 4		Accept Sample Y/N	Comments (Include depth of sample)
		599899	1209771							
								•		
					-					
Acceptance cri Sample surface						as lo	w tur	bidity	, 3 Sampler	is not over filled, 4
Decon Procedu	ure (Atc	onox Wash, DI	water rinse, o	ther)	:					
Sediment San	iple De	scription	-							
Sediment Sam observations - SOH, Cla Octor, Sh	*see fie UeU	ld ref cards): Silt め							A cont	constituents, other n. Light Hz
Sample contair 1 - 803 (1 - 1603		n 1-4	type): 03 TX	TS						
Laboratory ana	lysis:									
Diver Commen Hall	ts etc:	ed botto	m							

•				Dat	te/Tir	ne C	ollec	ted:	11 171	06
						١	Veat	her:		
					Fie	ld Pe	erson	nel:	JSU	e Eric
Sample Type:										
1. Surface :		(0-10 cm) ample (10- 20 c	m)	-						
Sample ID/De	sign.	Dara	-8A		4	117	re	1 *	228	
Sample Metho	od (Van	Veen Surface	Grab/Diver Co	оге-С	ooki	e Cu	tter)	> ~	- 7"	
Datum (Horizo	ntal/Ve	rtical) NAD	83 sta	te	pla	ich	WA	- N	v	mew
Sample Types			Lé	adiii	ne W	ater	Dept	:	<u>'5'</u>	_ (A)
*If sample type samples collect			Predi	cted	Tide	Elev	atior	۱		_ (B)
Samples conce	ico:	1 163 [] 140			dline				2.4	_ (B-A)
	Τ	Ι	Ac		Tide				7.41	_
Run # or Composite Pt	Time	Latitude (Northing)	Longitude (Easting		Sampurfac 2		ab Or	nly)	Accept Sample Y/N	Comments (Include depth of sample)
- Composito (t		559756	120996	<u>'</u>			4	5	1714	Sample)
		שפוויפט	120-1100	<u> </u>						
									·	
Acceptance cri Sample surface						as lo	w tur	bidity	, 3 Sampler	is not over filled, 4
Decon Procedu	ire (Al&	onox Wash, DI	water rinse, of	ther)	·					
Sediment Sam	ple De	scription								
observations -	*see fie Dlack hod	ld ref cards): Glavelli rak up	y lourse to z" on							constituents, other hell fragment ador.
1-803		cin, 1-	403 TOC	7	ĽŠ					
1-14 03									-	
Laboratory ana	lysis:								· · · · · · · · · · · · · · · · ·	
Diver Comment Very COO	ts etc: UKSC	gravel.	D Surfac	l)	+ Cl	illi	an-	+	Collect	10-20cm.

				Dat	te/Tir	ne C	ollec	ted:	11 17/1	06	
						V	Veat	her:			
					Fie	ld Pe	rson	nel:	JSM !	e Er	ic
Sample Type:											
1. Surface		(0-10 cm) mple (10- 20 c	m)								
Sample ID/De	sign.	DC106	-9p			ΗM	70	16	041		
Sample Metho	od (Van			re-C	ooki	e Cui	tter))			
Datum (Horizo	ntal/Ve	rtical) <u>— coll</u>	ected by 1	Tan	d n	70 C	00	din	. Colle	cled i	east & Bld.
Sample Types	1, 2, 3,	4, 5:	•	eadlir	_				<i>)</i>	_ (A)	East, o
*If sample type samples collect			Predi	cted	Tide	Elev	atior	۱	X	_ (B)	15101
Sumples collec	ica: [_]	1103 🗆 110			dline				, 	_ (B-A)	
			A(ctual	Tide Samp						
Run # or		Latitude	Longitude		urfac				Accept Sample	1	nments le depth of
Composite Pt	Time	(Northing)	(Easting	1	2	3	4	5	Y/N		imple)
										ļ	
				_							
								<u></u>			
Acceptance cri Sample surface						as lo	w tur	bidity	/, 3 Sampler	is not ov	ver filled, 4
Decon Procedu	ure (Alco	onox Wash, DI	water rinse, o	ther)	:						
Sediment San	ple De	scription									
Sediment Sam observations -	*coo fiol	ld ref carde):	•						cent to	Port	Bld
parking	101	near Bi	isketta	U_	hor	γO.	D	MY	er olim	bed i	downto
Sample contain		d (number and						avi	y sand.		
1-1603	<u>68</u>									·	
Laboratory ana	lysis:										
Diver Commen	ts etc:	,									