APPENDIX E: COLLECTION FORMS AND FIELD NOTES

ATTACHMENT E-1: BENTHIC INVERTEBRATE AND SEDIMENT COLLECTION

FORMS

ATTACHMENT E-2: FIELD NOTES

ATTACHMENT E-3: LABORATORY BENTHIC INVERTEBRATE WEIGHT FORMS

ATTACHMENT E-4: LABORATORY CLAM LENGTH FORMS

ATTACHMENT E-5: BACKGROUND CLAM COLLECTION FIELD NOTES

ATTACHMENT E-6: BACKGROUND CLAM COLLECTION FORMS

ATTACHMENT E-7: CORRECTIVE ACTION FORMS

Attachment E-1: Benthic Invertebrate and Sediment Collection Forms

Wind	Ward
	mironmental

					LICIA LOKIM	,
Project Nam	e:	Λ	·	Droinet		
Date:		<u>Dw</u>		Project no.		
Start/Stop tin		12/04		Station:	Bla	
	ne:	/1350				
Sampling Method:				<u>X:</u> Y:		····
Weather:	Summa	1.10.		Sample		
Crew:	Sunny, MW,TD,SP	Ha m		ID:		
	1 1 11/01	+ FIM OV	ewight T	711		
Subsample #:	1-5 Sar	nple depth:		<u> </u>	<u> </u>	
Sampling gear	r:		Penel	iration depth	10cm Time);
type:	Tools		·		Acceptable sample (circle)	yes no
cobble	color:	odor;		Comments	· · · · · · · · · · · · · · · · · · ·	
gravel	drab olive	(fioné)	H₂S		•	٠
sand C M F	(gray)	slight	petroleum	.	**	
1	black	moderate	other:			
silt clay	(brown)	strong		-		
organic matter	brown surfac	e overwhelming		***		*
Subsample #:	6-10 Sam	ole depth:		ation depth	7.0	
Sampling gear:		 -		anon debtu	10an Time:	
type:					Acceptable sample (circle)	yes no
cobble	color:	odor:		Comments:		
J	drab olive	none)	H ₂ S	- Comments.		
gravel	gray)	slight	petroleum	1		1
sand & M F	black	moderate	other:	}		
silt clay	(brown)	strong	001071	j .		
organic matter	brown surface	overwhelming		l		
Subsample #:	Sampl	e depth:		<u> </u>		_
Sampling gear:	•		Penetrat	ion depth	Time:	
£		<u>.</u>			Acceptable sample	yes no
type:	color:	odor:		Comments:	(circle)	
cobble	drab olive	none	H₂S	Continents:		
gravel	gray	slight	petroleum			
sand C M F	black	moderate	other:			.
silt clay	brown	strong	Ouser,		•	
organic matter	brown surface	overwhelming	1		•	
GEATO # 4	- (AD C	17 21 201		4.2		

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Project Name:		Mal		roject	٠		
Date:		17/2		D			
Start/Stop time:	- 8/	3/09	S	tation:	Bla		
Sampling		30 JUSY		_X:	in noteles	51	_
Method:		/		Y:	110100	or_	
Weather:	Sunn	- 10 cm		ample			
	8	, warm	. ID	•			
Crew:	MW, TD,	SP M	(SAIC)	Read	(ecology)		
		,	1-6-11-7		(Colory)		
Subsample #:	//-/5 Samp	e depth:	Penetra	tion depth	Time:	 -	
Sampling gear:					Acceptable sample		
type:	T .	T	·		(circle)	yes	no
cobble)	color:	odor.		Comments		,	_
gravel	drab olive	none	H₂S	Ada	· hard	nas	Qo -
sand 0 M F	gray black	slight	petroleum	1000		The same of the sa	٠-﴿
silt clay	Drown	moderate	other:	nostu	Sandy Silt	IN	
organic matter	brown surface	strong		ofer	, in 3rd say sandy silt ur plots	_ :	
Subsample #:	<u> </u>	overwhelming					
I -	sample	e depth:	Penetral	tion depth	Time:		
I Sampling good	· ·			-			
Sampling gear.	•			-	Acceptable sample	yes	no
type:	color:	odor:		Comments	Acceptable sample (circle)	yes	no
	color:	odor:	Hs	Comments:	Acceptable sample (circle)	yes	no
type:		none	H ₂ S	Comments:	Acceptable sample (circle)	yes	no
type:	drab olive	 	H₂S petroleum other:	Comments:	Acceptable sample (circle)	yes	no
type: cobble gravel	drab olive gray	none slight	petroleum	Comments:	Acceptable sample (circle)	yes	no
type: cobble gravel sand C M F	drab olive gray black	none slight moderate	petroleum	Comments:	Acceptable sample (circle)	yes	no
type: cobble gravel sand C M F silt clay	drab olive gray black brown	none slight moderate strong overwhelming	petroleum other:		(circle)	yes	no
type: cobble gravel sand C M F silt clay organic matter	drab olive gray black brown brown surface	none slight moderate strong overwhelming	petroleum other:	Comments:	(circle)		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear:	drab olive gray black brown brown surface Sample	none slight moderate strong overwhelming depth:	petroleum other:		(circle)	yes	no
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type:	drab olive gray black brown brown surface Sample	none slight moderate strong overwhelming	petroleum other:		Time: Acceptable sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble	drab olive gray black brown brown surface Sample color: drab olive	none slight moderate strong overwhelming depth: odor: none	petroleum other:	on depth	Time: Acceptable sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	drab olive gray black brown brown surface Sample color: drab olive gray	none slight moderate strong overwhelming depth: odor: none slight	petroleum other: Penetrati H ₂ S petroleum	on depth	Time: Acceptable sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	drab olive gray black brown brown surface Sample color: drab olive gray black	none slight moderate strong overwhelming depth: odor: none slight moderate	petroleum other: Penetrati	on depth	Time: Acceptable sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	drab olive gray black brown brown surface Sample color: drab olive gray	none slight moderate strong overwhelming depth: odor: none slight	petroleum other: Penetrati H ₂ S petroleum	on depth	Time: Acceptable sample		



Project Name:	Low			Project o.	· .	
Date:	08-13-	ou	s	Station;	Baa	
Start/Stop time:		\$1300		X:	 	
Sampling Method:		1,000		<u>Y:</u>	- rote boo	/
Weather:	Sunny 1	varm	. S	ample		
Crew:	W/TDJS	P Mga	SAIC			
Subsample #:	1-5 Sampl	e depth:	Penetr	ation depth	Time	
Sampling gear:				,	Acceptable sample (circle)	yes no
type:	color:	odor:		Comments		
cobble	drab olive	none	H ₂ S	11	La Fores	lle at
gravel	gray	slight	petroleum	Nuc	tyl Especial	7 501
sand's MF	DOOK	moderate	other:	lower	et-sample	
silt clay	brown	strong		Fride	et-sample rue of mottle	s+ aleuc
organic matter>	brown surface	overwhelming				J /
Subsample #:	6-10 Sample	depth:	Penetra	ation depth	Time:	····
Sampling gear:		 -		•	Acceptable sample (circle)	yes no
type:	color:	odor:		Comments	<u>i</u>	
cobble	drab olive	none	H ₂ S	Comments	some	
gravel	gray	slight	petroleum	230		
Sana C MF	black	moderate	other:			
Silt clay >	brown	strong				
organic matter	brown surface	overwhelming				
Subsample #:	//-/5 Sample	depth:	Penetra	tion depth	Time:	
Sampling gear:					Acceptable sample (circle)	
tumor		odor:		Comments	•	<u> </u>
type:	color:	odoi.				
cobble	drab olive	none	H ₂ S	did	not brave en	and
cobble gravel			H₂S petroleum	did	not have en	rough
cobble	drab olive	попе	_	did time	not have ento collect to	iongh Esne
cobble gravel	drab olive gray	none slight	petroleum		not have en to collect to Yus towns	



Project Nam	ne'						
		LDW		Project			
Date:	81	26/04		_ no			
Start/Stop tin	ne: 005	70 -	<u>·</u>	Station:	334		
Sampling Method:				X	· ·		
Weather:				•	•		
Crew:	AN, TO	SP, K	WIN LI	Sample ID:	ne		
Subsample #:	1 10 0			7-1-2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Sampling geal		nple depth:	Pene	tration depth	774	 -	
gea	·- ,				Tim		
type:	color			_	Acceptable sample (circle)	yes	r
cobble	drab olive	odor:		Commen			
gravel	1	none	H₂S	7			
sand CMF	gray	stight	petroleun	n ALG	NU MUTS		
silt clay	biack	moderate	other;				
organic matter	(brown)	strong					
	brown surfac	e overwhelming	g		;		
Subsample #:	Samp	ole depth:		ation depth			_
Sampling gear:			I Cliett	ation depth	Time:	-	
type:	T	-			Acceptable sample (circle)	yes	no
cobble	color:	odor:		Comments		 -	
	drab olive	none	H ₂ S	Connectes	.		
gravel	gray	slight	petroleum	1			
and CMF	black	moderate	other.				
ilt clay	brown	strong .	V0101,				
rganic matter	brown surface	overwhelming		1	•		
ubsample #:		e depth:			,		
ampling gear:			Penetral	lion depth	Time:		
· · · · · · · · · · · · · · · · · · ·		<u> </u>			Acceptable sample	yes	no
pe:	color:	odor:		Committee	(circle)	~	_
bble	drab olive	none	H₂S	Comments:			-
avel	gray .	slight	petroleum				
nd C M F	black	moderate	other:				
clay	promu	strong	orner:				
		~11 O 1 (d	1				
ganic matter	brown surface	overwhelming					



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Project Na	me				SHOW FORM
- journa	411G,			Project	
Date:	21			no.	
Start/Stop t	THOSE -	14/04		Station:	
Sampling		0-1300			<u>В</u> 44
Method:					
Weather:					Υ:
	SUNN	_ 		Sample	
Crew:	ep (14			ID:	
	SP, CM,	MA, M	O-		
Subsample #					
Sampling #	#: <u>1~5</u> Sa	mple depth:	Pene	ration depth	
Camping ge	ar. Prime	cons		adron debut	10 cm Time: 1030 -1300
type:			_		Acceptable sample
cobble	color:	odor:		Commer	(circle) yes no
(gravel)	drab olive	none	H ₂ S		OV PHYNSOEF
sand)C M F	gray) 60 M	ou slight	petroleum		
(Silt clay)	black	moderate	other:	unso	or w/ LOT ON ONCO.
N	(brown) TO	/ - · · · · · · · · · · · · · · · · · ·		0000	in of moscer rupay
Organic matter	brown surfac	e overwhelming	T		
Subsample #:	6 - 10 Sam	ple depth:			
Sampling gear	PRAME,	=	Penetra	tion depth	10 cm Time: 1050-1300
1		ы			Acceptable sample yes no
type:	color:	odor:) <u> </u>	(arde)
cobble	drab olive	none	H₂S	Comments	
gravel	(gray	slight	-	MANG	out "Muppy" PHOUGHOUT
sand C M F	biack	moderate	petroleum	BUT	vory soft AT PUST
(silt clay	brown	strong	other:	50110	/ 30.1 M [Mg]
organic matter	brown surface	1		20110	
Subsample #:		overwhelming e depth:			
Sampling gear:		e uepin: 	Penetrati	on depth	Time:
				-	Acceptable and
type:	color:	odor:			(circle)
cobble	drab olive	none		Comments:	
gravel	gray	i .	H₂S		1
sand C M F	black	slight	petroleum		
silt clay	brown	moderate	other:		
organic matter	brown surface	strong	1		ļ
		overwhelming			



Project Name: Date: Start/Stop time Sampling Method: Weather:	3/15/	1045		Project no. Station: X: Y: Sample	*¥a	
Crew:	U, JF, T	D. UR				
Subsample #: Sampling gear:	11-15 Samp	•	Penetr	ation depth	/oun Time Acceptable sample (circle)	
type:	color:	odor:		Comments		
cobble gravel sand C M F	drab olive gray (black 60 110	none slight moderate	H ₂ S petroleum		F PMMSCET	
silt clay	brown TOV	strong	other:	SWIM		cur open
Subsample #:		overwhelming e depth:	Penetra	tion depth	Time	,
Sampling gear:	—				Acceptable sample (circle)	
type:	color:	odor:		Comments		
cobbie	drab olive	none	H₂S	1		
l gravel	gray	slight	petroleum	}		
sand C M F	black	moderate	other:	,	•	i
silt clay	brown	strong				ŀ
organic matter	brown surface	overwhelming				
Subsample #:	Sample	depth:	Penetrat	ion depth	Time:	
Sampling gear:					Acceptable sample (circle)	yes no
type:	color:	odor:		Comments:	(circle)	
cobble	drab olive	попе	H₂S	Comments,		
gravel	gray	slight	petroleum			ŀ
sand C M F	black	moderate	other:			
silt clay	brown	strong	× 11, 11, 11	•		
organic matter	brown surface	overwheiming				
1				_		



Wi	nd Ward	LC SURFA	CE SFDIMI	ENT COLL	ECTION FORM
Project Na	me•		medikili	-MI-COLLE	CTION FORM
Date: Start/Stop t Sampling Method:		LDW 1/24/04 - 1/20		Project no. Station:	BS a
· Weather:					Υ:
Crew:	ANT	OUDY D. DP, RC	arin	Sample ID:	
Subsample #		male denth-	<u>-</u>		
Sampling ger	ar: 	······································	Pen	etration depth	Time: Acceptable sample
type: cobble	color: drab olive	odor:		Comme	(circle) yes no
(sand C M F) (silt)clay organic matter Subsample #:	1 alount sariac	moderate P	g		
Sampling gear:		ole depth:	Penet	ration depth	Time:
type:	color:	odor:			Acceptable sample yes no (circle)
cobble	drab olive	none		Comment	
gravel	gray	slight	H ₂ S		
sand C M F	black	moderate	petroleum other:	1	
organic matter	brown	strong .	O1107.	1	
Subsample #:	brown surface	overwhelming		1	
Sampling gear:	Sample	e depth:	Penetra	tion depth	
				-	Time: Acceptable sample yes no
type:	color:	odor:			(circle)
cobble	drab olive	none	H₂S	Comments:	
gravel sand C M F	gray	slight	petroleum	·	
silt clay	black	moderate	other:	·	
organic matter	promu	strong			
	brown surface	overwhelming			



Project Name: Date: Start/Stop time Sampling Method: Weather: Crew:	= \$/15 : 1055 Sunny	-1315		Project no. Station: X: Y: Sample D:	B6	<u>a</u>		
Subsample #: Sampling gear:	1-5 Samp	ole depth:	Penetr	ation depth	Joan Acceptable	Time:		
type:	color:	odor:		T C	(circle)		yes ——	ПО
cobble	drab clive	None)	H₂S	Comment Bo 1704		ANSOU		
(gravel)	gray	slight	petroleum	GRAVE	ruy - ir	mer c	tone	ايدو
sand C M F	Clack Sular		other:	500	/Burk			I
silt clay	Grown To	strong	Other.	TOP	50kr s/1	14 SM	ゆ	ŀ
organic matter	brown surface	7						- 1
Subsample #: Sampling gear:	6 -10 Sampl		Penetra	lion depth	1000	Time:		_
Camping gear:					Acceptable	sample '	yes ı	no
type:	color:	odor:			(circle)		_	
cobble	drab olive	none		Comments	:			$\neg \neg$
gravel)	grav	slight	H ₂ S		AS (-5		
(sand C M F	black	moderate	petroleum					
silt clay	(brown	strong	other:					
organic matter	brown surface	overwhelming			+			
Subsample #:	U-15 Sample					•		
Sampling gear:	tr ro campio		Penetrat	ion depth	lon	Time:		
					Acceptable s	ample y	es n	10
type:	color:	odor:		Comments:	(circle)			
cobble	drab olive	(none)	H ₂ S	Comments:				·
grave)	(gray)	slight	petroleum	. ا/د	s 1-5			
sand C M F	black	moderate	other:	17	> 1.5			
silt clay	provin	strong						
organic matter	brown surface	overwhelming	ĺ	1				



Station: Start/Stop time: 1070 - 1400	Project Na	ime: USW	Barther	. Pr	oject	04-08-06-7	21	,
Start/Stop time: Sampling Method: Weather: Crew: TD, MW, FM Subsample #: Sampling gear: Cobble drab olive frown surface overwhelming Subsample #: Sampling gear: Cobble drab olive none H2S moderate other: Sampling gear: Comments: Acceptable sample (circle) V. MWY Siliclay frown surface Overwhelming Subsample #: Sampling gear: Comments: Acceptable sample (circle) V. MWY Siliclay frown surface Overwhelming Subsample #: Sampling gear: Comments: Acceptable sample ves no (circle) Time: Sampling gear: Acceptable sample ves no (circle) Sampling gear: Comments: Acceptable sample ves no (circle) Sampling gear: Comments: Acceptable sample ves no (circle) Sampling gear: Acceptable sample ves no (circle) Subsample #: Sampling gear: Comments: Sampling gear: Acceptable sample ves no (circle) Subsample #: Sampling gear: Acceptable sample ves no (circle) Subsample #: Sampling gear: Sampling gear: Acceptable sample ves no (circle) Subsample #: Sampling gear: Acceptable sample ves no (circle) Subsample #: Sampling gear: Acceptable sample ves no (circle) Sampling gear: Sampling gear: Acceptable sample ves no (circle) Sampling petroleum moderate other: Sampling gear: Sampling gear: Acceptable sample ves no (circle)	Date:			Sta	ation:			
Sampling Method: Weather: Crew: TO, MW, FM Subsample #: / Sample depth: Sampling gear: Cobole drab olive gravel slight petroleum strong overwhelming Subsample #: / O Sample depth: Sampling gear: Comments: Gicricle) V. Mucky Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Subsample #: / O Sample depth: Sampling gear: V. Mucky Sampling gear: Acceptable sample yes no (circle) Same Acceptable sample yes no (circle) Subsample #: Sample depth: Sampling gear: Comments: Acceptable sample yes no (circle) Subsample #: Sample depth: Sampling gear: Sampling gear: Acceptable sample yes no (circle) Same Subsample #: Sample depth: Sampling gear: Acceptable sample yes no (circle) Same Sampling gear: Samp	Start/Stop					<u> </u>	10	
Subsample #:							-	
Subsample #: Sample depth: Penetration depth Time: Sampling gear: Color: odor: Comments: Acceptable sample (circle) type: color: odor: Type: Comments: Type: Colose to riprep gravel gray slight petroleum moderate other: Siti clay thrown surface overwhelming Subsample #: O O Sample depth: Penetration depth Time: Acceptable sample yes no (circle) Sampling gear: Color: odor: Comments: Comments: Sampling gear: Sight petroleum moderate other: Siti clay brown surface overwhelming Subsample #: O O Sample depth: Penetration depth Time: Sampling gear: Sight petroleum moderate other: Siti clay brown surface overwhelming overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) Subsample #: Sample depth: Sample depth: Sample yes no (circle) Subsample #: Sample depth: Sample depth: Sample yes no (circle)	Weather:		~					
Sampling gear: Acceptable sample (circle) yes no	Crew:	70,MW, F7	И					
Sampling gear: Acceptable sample (circle) yes no	Subsample	#: /- 5 Sa	mple depth:	Panetra	ion donth	Times		
type: color: odor: Comments: cobble gravel gray slight petroleum moderate other: slit clay brown surface gray slight petroleum overwhelming overwhelming overwhelming sampling gear: type: color: odor: Comments: Acceptable sample yes no (circle) figured close to riprup gravel close to riprup gravel strong overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming gray slight petroleum gray slight petroleum strong overwhelming overwhelmi	1			- renewa	ion depth	Acceptable sample	ves	no
cobble gravel gray slight petroleum other: Silt clay brown surface overwhelming Subsample #:	type:	color:	odor		Commente	<u> </u>		
silt clay brown surface overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming sampling gear: Comments: Comments:	cobble	drab olive		H₂S	1 gravel	close to riprap		
silt clay brown surface overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming sampling gear: Comments: Comments:			slight	petroleum	10 40.00	6		
Organic matter brown surface overwhelming Subsample #:		black	moderate	other:	₹ .	FY		
Subsample #: Sampling gear: Color: Comments: Co			strong		ジヴ			
Sampling gear: Color: Codor: Comments:	d Organic ma	Har) brown avete	overwhelming		i	•		
type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum strong overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum strong Subsample #: Sample depth: Sample depth: Sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum moderate other: Sample yes no other: Sample yes no ye	C Cigarac Ilia	Ciowii suna	ce) Overwhening					
type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand OF black moderate other: silt clay brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand CMF black moderate other: silt clay brown strong	Subsample	#: 6-10 Sar		Penetrat	l ion depth	Time:	·	
cobble gravel gray slight petroleum sand CDF black moderate other: silt clay brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Cobble drab olive none H ₂ S gravel gray slight petroleum gravel gray slight petroleum sand CMF black moderate other: silt clay brown surface overwhelming Sample depth: Penetration depth Time: Acceptable sample yes no (circle) Comments: Comments: Same	Subsample	#: 6-10 Sar		Penetrat	l ion depth	Acceptable sample	yes	no
Sand Coff black moderate other: silt clay brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C MF black moderate other: silt clay brown strong	Subsample Sampling g	#: <u>(0~ 0</u> Sar ear:	mple depth:	Penetrat	· .	Acceptable sample (circle)	yes	no
silt clay brown surfact overwhelming overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sandic MF black moderate other: silt clay brown strong	Subsample Sampling g type:	#: <u>(0 - 0</u> Sar ear: color:	nple depth:		· .	Acceptable sample (circle)	yes	no
Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H2S gravel gray slight petroleum sandic MF black moderate other: silt clay brown strong	Subsample Sampling g type: cobble	#: 6/0 Sar ear: color: drab olive	odor:	H ₂ S	Comments	Acceptable sample (circle)	yes	no
Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sandic MF black moderate other: silt clay brown strong	Subsample Sampling g type: cobble gravel	#: 6/0 Sar ear: color: drab olive gray	odor: none slight	H ₂ S petroleum	Comments	Acceptable sample (circle)	yes	no
Sampling gear: Acceptable sample yes no	Subsample Sampling g type: cobble gravel (sand MF	#: 6/O Sar ear: color: drab olive gray	odor: none slight moderate	H ₂ S petroleum	Comments	Acceptable sample (circle)	yes	no
Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sandC MF black moderate other: silt clay brown strong	Subsample Sampling g type: cobble gravel sand())F	#: 6-10 Sar ear: color: drab olive gray black brown	odor: none slight moderate strong	H ₂ S petroleum	Comments	Acceptable sample (circle)	yes	no
cobble drab olive none H ₂ S gravel gray slight petroleum sand C MF black moderate other: silt clay brown strong	Subsample Sampling g type: cobble gravel Sand Supposed to the companie many	#: 6-10 Sar ear: color: drab olive gray black brown ter brown surfa	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Comments	Acceptable sample (circle)	yes	no
gravel gray slight petroleum moderate other:	Subsample Sampling g type: cobble gravel Sand Silt clay organic mat Subsample	#: 0-10 Sar ear: color: drab olive gray black brown tter brown surfa #: 1-15 San	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Comments	Acceptable sample (circle) Time: Acceptable sample		
SandC MF black moderate other: Same strong	Subsample Sampling g type: cobble gravel sand MF silt clay organic mat Subsample Sampling ge	#: 6 O Sar ear: color: drab olive gray black brown ter brown surfa #: 1 - 1 San ear:	odor: none slight moderate strong overwhelming nple depth;	H ₂ S petroleum other:	Comments San	Acceptable sample (circle) Time: Acceptable sample (circle)		
silt clay brown strong	Subsample Sampling g type: cobble gravel Sand CMF silt clay organic mat Subsample Sampling get	#: 6-10 Sar ear: color: drab olive gray black brown ter brown surfa #: 15-15 San ear: color:	odor: none slight moderate strong overwhelming nple depth: odor:	H ₂ S petroleum other: Penetrati	Comments San	Acceptable sample (circle) Time: Acceptable sample (circle)		
	Subsample Sampling g type: cobble gravel Sampling go type: Sampling go type: cobble gravel	#: 6-10 Sar ear: color: drab olive gray black brown surfa #: 1-15 San ear: color: drab olive gray	odor: none slight moderate strong overwhelming nple depth: odor: none	H ₂ S petroleum other: Penetrati H ₂ S	Comments:	Acceptable sample (circle) Time: Acceptable sample (circle)		
organic matter brown surface overwhelming	Subsample Sampling g type: cobble gravel Sand CMF silt clay organic mat Subsample Sampling ge type: cobble gravel sand CMF	#: 6-10 Sar ear: color: drab olive gray black brown surfa #: 1-15 San ear: color: drab olive gray	odor: none slight moderate strong overwhelming nple depth; odor: none slight	H ₂ S petroleum other: Penetrati H ₂ S petroleum	Comments:	Acceptable sample (circle) Time: Acceptable sample (circle)		
	Subsample Sampling g type: cobble gravel Sand CMF silt clay organic man Subsample Sampling get type: cobble gravel sand CMF silt clay	#: 0 O Sar ear: color: drab olive gray black brown surfa #: 5 San ear: color: drab olive gray black brown	odor: none slight moderate strong overwhelming nple depth: odor: none slight moderate	H ₂ S petroleum other: Penetrati H ₂ S petroleum	Comments:	Acceptable sample (circle) Time: Acceptable sample (circle)		



Project Name:				Project	<i>₹</i>
Date:	8/17/2			NO. Stations	
Start/Stop time:	· · · · · · · · · · · · · · · · · ·	ББФ		Station:	BCA-3, BRa
Sampling					X:
Method:	Benthic lo	A. L. LANDER			Y:
Weather:		3		Sample	-
Par	thy cloudy	Surshine we	unua 2045 li	D:	
Crew: A 1		Pierce Ma		De cla	
r			7	<u> </u>	
Subsample #:	BCA-3 Samp	le depth: 1D	ćm Penetr	ation dept	th 10cm Time: 11:00 Am
Sampling gear:			<u>Care</u>	aon aop.	Acceptable sample
<u> </u>					(circle) (yes) no
type:	color:	odor:		Comm	
cobble	drab olive	noné	H₂S	Higher	st frame had greater % of rel than sand
gravel	gray	slight	petroleum	avai	red thou coul
sand C MA	black	moderate	other:	0	-t 1-min sung
silt clay	(brown)	strong			
organic matter	brown surface	overwhelming			
	B&a Sampl	e depth: (Oc	M Penetra	ation depti	Time: \2:\5
Sampling gear:			· .		Acceptable sample (yes) no
hmo:		T		<u> </u>	(circle)
type: cobble	color:	odor:		Comme	ents:
	drab olive	none	H₂S	Very s	Soft muddy sediment Black only substance with strong to 2nd transact highest frame
gravel sand C M F	gray	slight	petroleum	Dark	Blackionts sullis il
silt clay	black	moderate	other:	odora	+ 2nd transcot hidual 1
-	brown)	strong			John James
organic matter	brown surface	overwhelming			-
Subsample #:	Sample	depth;	Penetra	tion depth	Time:
Sampling gear:	,	- "3			Acceptable sample yes no
type:	color:	odor:		T	(circle)
cobble	drab olive	none	H₂S	Comme	ents:
gravel	gray	slight	n₂o petroleum		İ
sand C M F	black	moderate	other:		
sift clay	brown	strong	outer.		
organic matter	brown surface	overwhelming			
				<u> </u>	



	Project Name:			. Б	roject			•
	·	_UDN Be	nthiz	no	•	04-08-06-2	1	
	Date:	08-27	5 04	St	ation:	LDW-B99		***
	Start/Stop time:	~ 0800 -			X:	<u> </u>	*****	- .
	Sampling Method:	1	+ sediment	-	<u>Y:</u>			-
	Weather:	THE TIESU	ex rollection					_
	·	overcast-		Sa ID	ampie	. 100 T		
			B, Mansee		. (1)	W-B99-T		<u>.</u>
		100 10170 100	o, Navores	<u> </u>	······································			- . `
	Subsample #:	/-5 Sampl	e depth:	Danata	At a series of the series			.
	Sampling gear.	7-85 Campi	c depuir.	Penetra		Time:		
						Acceptable sample (circle) That was hargher on be a confent. V. I Time: Acceptable sample (circle)	yes no	
	type:	color:	odor:		Comments]
	cobble (drab olive	none	H ₂ S] .,		1	
	gravel	gray	slight	petroleum	clay o	iontent was h	igher	
	sand CM F	black	moderate	other:	uph	righer on bed	ell.	: *
<	Sill clay	brown	strong		LAWES	-samples had	high.	
	organic matter	brown surface	overwhelming		Sand	content. V.1	the Let	us Farly
	1	Sample	e depth:	Penetrat	lion depth	Time:		lo anna con a co
	Sampling gear:				•	Acceptable sample	yes no	nowing hous
		1				(circle)		Many.
	type:	color:	odor:		Comments:			
	cobble	drab olive	noné	H₂S	1 —			İ
	gravel	gray	slight	petroleum	Sam	e]
١	sand CM F	black	moderate	other:				
		brown	strong					
	organic matter	brown surface	overwhelming	·				1
		0-/5 Sample	e depth:	Penetrafi	ion depth	Time:		
	Sampling gear:	* p. v.				Acceptable sample	yes no	
	type:	color:	odor:			(circle)		
ĺ	cobble	drab olive	none	H₂S	Comments:			
	gravel	-gray	slight	n₂s petroleum	Same	_		
į	SandOM F	black	moderate	other:	Some			
d	silt clay	brown	strong	ouict.			•	
]	organic matter	brown surface	overwhelming	1				1
•	· · · · · · · · · · · · · · · · · · ·							l .



Project Name:			٠ ,	roject	. •			
•		ath's Inve	ert	10ject 10.	0	4-08-06-2	1	
Date:	8,25.0	14		Station:		310a	' -	
Start/Stop time:	0710-	0725			X:	37000		
Sampling Method:	by hand				Y:			
Weather:	, , , , , , , , , , , , , , , , , , ,		s	Sample	· · ·			
	vercast		16):	LI	W-B10a-	S	
Crew: An	gelita, T	od, Shann	on.	<u> </u>				T. T
-Subsample #;	Samp	le depth:	Penetr	ation dept	h	Time:		
Sampling gear:	200 mL	glass be		·		Acceptable sample (circle)	yes	no
type:	color:	odor:		Comm	ents			
cobble	drab olive)	none)	H ₂ S	200	0.4	h 1		
gravel	gray	slight	petroleum	n_	Lo	ken from Frames on 3 transects		
sand & MF	black	moderate	other:		100	our vron		
silt clay	brown	strong			10	9 h	_	
organic matter	brown surface	overwhelming	;		•	s Transects	•	
Subsample #:	Sample	e depth:	Penetra	tion depti		Time:	-	
Sampling gear:		· · · · · · · · · · · · · · · · · · ·			• -	Acceptable sample		-
						(circle)	yes	по .
type:	color:	odor:		Comme	ents:			· · · · ·
cobble	drab olive	none	H ₂ S	7		,		
gravel	gray	slight	petroleum					
sand C M F	black	moderate	other:					
silt clay	brown	strong						
organic matter	brown surface	overwhelming				•		
Subsample #:	Sample	depth:	Penetra	tion depth	1	Time:		
Sampling gear:	<u> </u>			•		Acceptable sample (circle)	yes	no
type:	color:	odor:		Comme	ents:	(411313)		
cobble	drab olive	none	H ₂ S	1				
gravel	gray	slight	petroleum	}				
sand C M F	black	moderate	other:			•		
silt clay	brown	strong			.•			
organic matter	brown surface	overwhelming						
	L			<u> </u>				



Project Name:	<i>L</i> :	DW	Pr	oject			
Date:	₹///	6/04	St	ation:		BCA-1	
Start/Stop time:					X:	B-// :	
Sampling Method:					Y:		
Weather:	PANZY	UOUDY	Sa ID	imple			
Crew: TC							
Subsample #:	∫ \Sample	e depth:	Penetra	tion dep	th	loon Time:	
Sampling gear:						Acceptable sample yes no (circle)	•
type:	color:	odor:		Comp	nents:	(•
cobble	drab olive	none	H ₂ S	SIU	Ч	SAMO MI TOLZ ON	
gravel	gray	slight	petroleum	4000	0	DUBUS BROWN ON	
(sand OM F	black)	moderate	other:	_	FALL		
silt clay	brown	strong		nu	cer		. 711
organic matter	brown surface	overwhelming		UVI	ùc	VALL OF THANSCET	
Subsample #:	Sample	depth:	Penetra	tion dep	h	Time:	
Sampling gear:	•				-	Acceptable sample yes no (circle)	
type:	color:	odor:		Comm	ents:		
cobble	drab olive	none	H₂S]	•	·	•
gravel-	gray	slight	petroleum				1
sand C M F	black	moderate	other:				
silt clay	brown	strong					
organic matter	brown surface	overwhelming					
Subsample #:	Sample	depth:	Penetrat	ion dept	h	Time:	
Sampling gear:				-	_	Acceptable sample yes no (circle)	
type:	color:	odor:		Comm	ents:		
cobble	drab olive	none	H₂S				
gravel	gray	slight	petroleum			·	
sand C M F	black	moderate	other:				
silt clay	brown	strong					
organic matter	brown surface	overwhelming					



Project Na	me [,]	• •			- STORE ORIGI
Date:		W		Project no.	
Start/Stop t	ime:	27/04		Station:	
Sampling					BIB
Method:		. 1			X:
Weather:	Vin	U Viou			Y:
· · · · · · · · · · · · · · · · · · ·			-	Sample -	
Crew:	DP, BC,	Moscon Hi	4	ID:	
Subsample #	4.				
Sampling gea		mple depth:	52 Pene	tration depth	<u> </u>
type:	color:				Acceptable sample (circle) yes (no)
cobble		odor:	\	Comme	
gravel	drab olive	none	H _z S		110,
sand C M F	gray	slight	petroleum	.	
· · ·	black	moderate	Other:	'	
silt clay	brown	strong	ouier,	דעו	34.070
organic matter	brown surfac	e overwhelmin		1122	31.010
Subsample #:		nio de-ti-			20,936
Sampling gear		pie depin: 3	2 Penetra	ation depth	Time: OO
					Acceptable sample yes (no)
type:	color:				(circle)
cobble	drab olive	odor;		Comment	
gravel	1	none	H ₂ S	1	
sand C M F	gray	slight	petroleum		÷.
silt clay	black	moderate	other:		
	brown	strong .		47	34. 075
organic matter	brown surface	overwhelming		122	
Subsample #:	3 Sampl	O double			20, 934.
Sampling gear:		e depth: _53	Penetrati	on depth	Time: 0909
					Accordate
type:	color:	odor:			(Circle)
cobble	drab olive	 		Comments	
gravel	gray	none	H ₂ S		1.
sand C M F	black	slight	petroleum		-
silt clay	1	moderate	other:	42 1	24 22
organic matter	brown	strong			34.071
Serine Highfel	brown surface	overwhelming		122	20.936
and the second	to a second				136



Project Name:			· P	roject					
		w	ne						
Date:	9/	27/04	SI	ation:			BIN	· · · · · · · · · · · · · · · · · · ·	
Start/Stop time:					X:		<u> </u>		-
Sampling Method:					Y:				
Weather:		-	Sa ID	ample	<u> </u>				
Crew:					 		·		_
Subsample #:	Y Sample	e depth: 52			.2			- AND -	_
Sampling gear:	j Gampi	e depth: 52	Penetra	ition dep	_		_ Time:	0915	
	·					Acceptable (circle)	sample	yes no	
type;	color:	odor:		Comr	nents:				7
cobble	drab olive	none	H ₂ S						1
gravel	gray	slight	petroleum						
sand C M F	black	moderate	other:		47	3 Y	073		1
silt clay	piromu	strong	•						1
organic matter	brown surface	overwhelming			10.	2 20	445		
Subsample #:	Sample	e depth:	Penetra	ion dep	th	· ·	Time:	0932	1
Sampling gear;			7.594.00	5	T	Acceptable (circle)	sample	yes (ng)	1
type:	color:	odor:		Comn	ents:	(00,0)	: .		1
cobble	drab olive	попе	H ₂ S						İ
gravel	gray	slight	petroleum				1,		1
sand C M F	black	moderate	other:						1
silt clay	brown	strong			y.	7-34	071	1	
organic matter	brown surface	overwhelming				2 20			
Subsample #:	6 Sample	depth:	Penetrat	ion dept			Time:	0940	1
Sampling gear:					T	Acceptable		yes no	
type:	color:	odor;	· · · · · · · · · · · · · · · · · · ·	Comm		(1
cobble	drab olive	none	H ₂ S						ı
gravel	gray	slight	petroleum						ı
sand C M F	black -	moderate ,	other:		1/7	? U	1 70	1	
silt clay	brown	strong	,		47	57,	U 40		1
organic matter	brown surface	overwhelming			122	. 20.	939	•	

Win	Ward inc
* * * * * * * * * * * * * * * * * * *	Yenvironmental LLC

Project Name:	DW		oject		,	
Date:		no				
Start/Stop time:	127/04	St	ation:	· · · · · · · · · · · · · · · · · · ·	71	<u>b</u>
Sampling Method:			X: Y:	· 	· · ·	
	-		-			
	· ·	Sa ID:	imple			-
Crew;	***		·		,	
Subsample #: 7 San	nple depth:	?? Penetra	ian da da	~~		
Sampling gear:		Perietra:	tion depth	7.5	Time:	0945
				Acceptal	ble sample	yes no
type: color:	odor:		Comments			
cobble drab olive	none	∘ H₂S				
gravel gray	slight	petroleum		i		•
sana C M/F black	moderate	other:			^	
silt clay brown	strong			34.		
organic matter brown surface	ce overwhelming		122	20.	E933	
Subsample #: 2 Sam	ple depth: 5	2 Penetrati	on depth		Time:	macro
Sampling gear:		,	-	Accenta	ble sample	yes (nd)
				(circle)	nic sample	Jes (10)
type: color:	odor:		Comments:			
cobble drab olive	none	H₂S				
gravel gray	slight	petroleum		• .		
sand C M F black	moderate	other:			4 B A	
silt clay brown	strong	1	47	34.	0.70	_
organic matter brown surfac	e overwhelming		122	20.	935	
	ple depth: 57	2~2 Penetration	on depth L	15 7#	Time:	1000
Sampling gear:			.]	Acceptal (circle)	ole sample (yes по
type: color:	odor:		Comments:		<u> </u>	<u> </u>
cobble drab olive	none	H ₂ S		7]
grave gray	slight	petroleum		T-	<i>'</i> C	İ
sand C MF black	moderate	other:				ļ
silt day brown	strong	ł	47	34	0W	i
organic matter brown surface	Storig	· I		• •		I

HAD TO MOVE OUT INTO BAY DUE TO HALD ROCKY BOTTOM



Project Name:	•		· p	oject				
		W	- no					
Date:	9/7	7107	St	ation:			BIB	
Start/Stop time:					X:		S I B	
Sampling					7: Y:			
Method:	VAN L	אינדו (Υ:		•	•
Weather:		7		ımple				
	CLOUDY		ID					
Crew: RC	DP. WA	MOKOW						···
							· · · · · · · · · · · · · · · · · · ·	
Subsample #:	/n Sample	e depth: 5	Penetra	tion dep	th i	11 74	Time:	In Van
Sampling gear:		<u> </u>	- 1 011000	aon deb	יייי ל	13,72		1015
					ļ	Acceptable (circle)	sample	(yes) no
type:	color:	odor:		Comn	nents:			<u> </u>
cobble	drab olive	none	H ₂ S	1		~		
(grave)	(gray)	slight	petroleum	ļ		T	tc	
sand C M F	black	moderate	other:		r . ~		- T A	
silt clay	brown	strong		ł		34.0	_	
organic matter	brown surface	overwhelming			以上	20.9	24	· .
Subsample #:	II Sample	depth;: 5	Penetrat	ion dent	h	 	Time:	2 6 3 6 11-9
Sampling gear:		<u>.</u>		ion acpt	 T	Acceptable		10,40
<u></u> -	•				i	Acceptable	sample	yes (no)
type:					I	(circle)		
type.	color:	odor:		Comm	ents:	(circle)	···	
cobble	color: drab olive	odor:	H ₂ S .	Comm	ents:	(circle)		
· ····			H ₂ S	Comm	ents:	(circle)	-	
cobble	drab olive	попе	- ,	Comm				
cobble gravel	drab olive gray	none slight	petroleum	Comm		(circle)	070	
cobble gravel sand C M F	drab olive gray black	none slight moderate	petroleum			34.		
cobble gravel sand C M F silt clay	drab olive gray black brown brown surface	none slight moderate strong overwhelming	petroleum other:		47 122	34,	932	Int/2
cobble gravel sand C M F silt clay organic matter	drab olive gray black brown brown surface	none slight moderate strong overwhelming	petroleum		47 122	34,	932 Time:	1043
cobble gravel sand C M F silt clay organic matter Subsample #:	drab olive gray black brown brown surface	none slight moderate strong overwhelming	petroleum other:		47 122	37, 20.	932 Time:	1043 6 no
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear:	drab olive gray black brown brown surface	none slight moderate strong overwhelming	petroleum other:	on depti	47- 122 h 9	34,	932 Time:	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type:	drab olive gray black brown brown surface // Sample	none slight moderate strong overwhelming depth: 57	petroleum other:		47- 122 h 9	37, 20. Acceptable (circle)	932 Time: sample	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	drab olive gray black brown brown surface /2 Sample	none slight moderate strong overwhelming depth: 57	petroleum other: Penetrati	on depti	47- 122 h 9	37, 20. Acceptable (circle)	932 Time:	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	drab olive gray black brown brown surface // Sample color: drab olive	none slight moderate strong overwhelming depth: 57	petroleum other: Penetrati	on depti	47- 122 h 9	34, 20. Acceptable (circle)	932 Time: sample	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	drab olive gray black brown brown surface // Sample color: drab olive gray	none slight moderate strong overwhelming depth: 5 7	petroleum other: Penetrati H²S petroleum	on depti	47- 122 h 9 ents:	37, 20. Acceptable (circle)	932 Time: sample	



Date: 9 1/2 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0	riojectivanie,	. ,			roject
Start/Stop time: Sampling Method: CLOUNY Weather: Crewr. RCIDD M. M. MONTES Subsample #: Sampling gear: Color: Color: Cobble drab olive none H2S sand C MF black moderate other: Subsampling gear: Type: Color: Color: Comments: Comments: Comments: Acceptable sample (circle) Acceptable sample (circle) Acceptable sample (circle) Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y7 34 069 Y8 Subsample #: Subsample #: Sampling gear: Type: Color: Coolor: Coolor: Cobble drab olive none H2S gravel gray slight petroleum sand C MF black moderate other: silt clay brown surface overwhelming Type: Color: Coolor: Comments: Acceptable sample (circle) Y7 34 070 Acceptable sample (circle) Time: Y7 34 070 Acceptable sample (circle) Time: Y7 34 070 Acceptable sample (circle) Y8 34 070 Y9 39 070 Y9 39 070 Comments: Comments: Comments: Comments: Comments: Acceptable sample (circle) Y7 34 070 Acceptable sample (circle) Y8 34 070 Comments: Comment	Data:			no no	D
Sampling Method: Weather: Crew: RC100 Wh wh works Sample ID: Crew: RC100 Wh wh works Sample ID: Subsample #: Sample gear: Color: Cobile drab olive none H2S grave grav slight petroleum stit clay brown surface overwhelming l22 20 940 Subsample #: Sampling gear: Comments: Comments: Comments: Comments: Acceptable sample (circle) Acceptable sample (circle) Acceptable sample fill Acceptable sample gear Acceptable sampl		·	1 <i>[7.7/04</i>	S	tation: R/b
Method: Weather: Crew: RCIDP WAR WONTED Subsample #: Sample depth: Sample depth: Sampling gear: Color:				·	X:
Subsample #: 13 Sample depth: 50 Penetration depth Time: I/O/2 Acceptable sample (circle) Yes no		CLOU	04		Y:
Subsample #: 13 Sample depth: 50 Penetration depth Time: 1/06 Sampling gear: type: color: codor: Comments: cobble drab olive none H2S gravel gray slight petroleum black moderate other: stit clay brown surface overwhelming 122 20.940 Subsample #: 14 Sample depth: 50 Penetration depth Time: 1/// Sampling gear: cobble drab olive none H2S gravel gray slight petroleum black moderate other: stit clay brown surface overwhelming 122 20.940 Subsample #: 50 Penetration depth Time: 1/// Circle) cobble drab olive none H2S gravel gray slight petroleum strong 122 20.932 Subsample #: 50 Penetration depth Time: 1/// Circle) cobble drab olive none H2S silt clay brown strong 122 20.932 Subsample #: 50 Penetration depth Time: 1/// Circle) cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S sampling gear: cobble drab olive none H2S silit clay brown strong circle was not comments: cobble drab olive none H2S silit clay brown strong circle was not comments:	Weather:			Sa	ample
Subsample #: Sampling gear: Sampling gear: Sample depth: SD Penetration depth Acceptable sample (circle) yes no					
Sampling gear: Sampling gear: Some period and or period and of the period and o	Crew: R	CIDD, WI	3 MORTEN		•
Sampling gear: Sampling gear: Some period and or period and of the period and o			•		
Sampling gear: Color:	Subsample #:	13 Sampl	e depth: 57) Penetra	tion depth Time: ///V
type: color: odor: Comments: cobble gray slight petroleum strong proven gray slight petroleum strong gray slight petroleum strong gray slight petroleum strong gray slight petroleum gray gray slight petroleum strong gray slight petroleum gravel gray slight petroleum gravel gray slight petroleum gravel gray strong gray strong gray strong gray gray strong gray gray gray gray gray gray gray gra	Sampling gear:				
cobble drab olive none H2S slight petroleum black moderate other: silt clay brown surface overwhelming 122 20.940 Subsample #: Sample depth: 50 Penetration depth Time: 1/// Acceptable sample (circle) type: color: odor: Comments: silt clay brown surface overwhelming organic matter of the circle of the circ		· · · · · · · · · · · · · · · · · · ·	<u> </u>		(circle) yes no
gravel gray slight petroleum black moderate other; sitt clay brown surface overwhelming 122 10 . 940 Subsample #: 14 Sample depth: 50 Penetration depth Time: 1/// Sampling gear: Comments: Comm		color:	odor:	***************************************	Comments:
sand C M F silt clay brown surface brown surface overwhelming overwhel	cobble	drab olive	none	H₂S	*
sitt clay brown surface brown surface overwhelming overwh	gravel	gray	slight	petroleum	
Subsample #:		black	moderate	other:	100
Subsample #:	silt clay	brown	strong		47 34.069
Subsample #:	organic matter	brown surface	overwhelming		122 20.940
Sampling gear: Acceptable sample yes fro	Subsample #:	14 Sample	e depth: 50	Penetral	
type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong organic matter brown surface overwhelming 122 20, 932 Subsample #: /5 Sample depth: 5/ Penetration depth Time: //// Sampling gear: Acceptable sample yes no circle)	Sampling gear.	·			
cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown surface overwhelming 122 20, 932 Subsample #: 5 Sample depth: 5 Penetration depth Time: 1/6 Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: 47 34 070					
gravel gray slight petroleum moderate other: sift clay brown surface overwhelming 122 20, 932 Subsample #: /5 Sample depth: 3/ Penetration depth Time: //// Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: sift clay brown strong		color:	odor:		Comments:
sand C M F sift clay black brown organic matter brown surface overwhelming overwhelming overwhelming strong overwhelming overwhelming subsample #: Sample depth: Sample depth: Sampling gear: type: color: cobble drab olive gravel gravel sand C M F black moderate other: y7 34, 070 122 20, 932 Penetration depth Time: Acceptable sample yes no (circle) Comments: comments: gravel gray slight petroleum moderate other: y7 34 070	cobble	drab olive	none	H₂S	
silt clay brown strong overwhelming 122 20, 932 Subsample #: 15 Sample depth: 51 Penetration depth Time: 11/6 Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: yes of the circle strong overwhelming 122 20, 932 Penetration depth Time: 11/6 Acceptable sample yes no (circle) Comments: 47 34 070	gravel	gray	slight	petroleum	
Subsample #: 15 Sample depth: 31 Penetration depth Time: 1116 Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		black	moderate	other:	011
Subsample #: 15 Sample depth: 31 Penetration depth Time: 1116 Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong	silt clay	brown	strong .	i	47 34,010
Sampling gear: Acceptable sample yes no	organic matter	brown surface	overwhelming		122 20, 932
Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong Acceptable sample yes no (circle) Comments: 47 34 070	Subsample #:	15 Sample	depth: 31	Penetrati	on depth Time: 1/1/
type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: 47 34 070	Sampling gear:				
cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: 47 34 070					(circle)
gravel gray slight petroleum sand C M F black moderate other: 47 34 070		color:	odor:		Comments:
sand C M F black moderate other: silt clay brown strong 47 34 070		drab olive	none	H ₂ S	
silt clay brown strong 47 34 070	· .	gray	slight	petroleum	
[black	moderate	other:	115 911 272
organic matter brown surface overwhelming 122 20 933	· · ·	brown	strong	,	
	organic matter	brown surface	overwhelming		122 20 933

Win	Ward Lie
* * * * * * * * * * * * * * * * * * * *	Penvironmental LLC

Project Name:		DW		Project no.		
·	<u> </u>	7/04		Station:	\$ /	/ b
Start/Stop time:	\$50-	1230	· · · · · · · · · · · · · · · · · · ·	X:		
Sampling Method:	ViAn	Voor		Y:		
Weather:				Sample	·	
Crew:	Be, DP,	His uno	eton	D:		
			-			
Subsample #:		ie depth: 5	り Peneti	ation depth	<i>5</i> ∳ 1	Time: //2 A
Sampling gear.				•	Acceptable sam	
type:	color:				(circle)	(yès) no
cobble		odor:		Comments	s:	
grave	drab olive	none	H₂S		ì	
sand C MF	(gray)	slight	petroleum		,	
silt clay	black	moderate	other:			
Organic matter	brown	strong		42	RED US	
	brown surface	1	<u>g</u>	122	20 936	
Subsample #:	Sample	e depth:	7 Penetra	ition depth		ime: 1/36
Sampling gear:				•	Acceptable san	
type:	color:	odor:		Comments	<u> </u>	
cobble	drab olive	none	H ₂ S	- 00000000	•	
(grayer)	gray	slight	petroleum		TIT	
sand CMF	black	moderate	other:		1 40	~
silt clay :	brown	strong .		4 %	34.070	
organic matter	brown surface	overwhelming	i	177	20 .92	ث ا
Subsample #:	Sample			tion depth	<u> </u>	·
Sampling gear:			oucin	novi debtit		me: <u> </u>
					Acceptable sam (circle)	iple yes no
type:	color:	odor:		Comments:	(
cobble	drab olive	none	H ₂ S		- 5	
grayei	grav	slight	petroleum		T +	1
sand C M)F	black	moderate	other:			ľ
silt clay	brown	strong	•	47-	34 040	
organic matter	brown surface	overwhelming			20 930	
	22	50	52		62,6	
					T+1	
	TOTAL	. OK	U out	15° SM	NILES LA	•



Project Name:							
	l	DU		roject o.			
Date:		1/27/04		tation:		77 1	
Start/Stop time	: 1330	~	·			Bab	
Sampling				<u> </u>		·	
Method:	VAW	Vicar		. Y	•		
Weather:			s	ample	<u> </u>		
0	Sunne	/	IC				•
Crew:R	C, DP, 4	A MORCEL	V	···			
				,			
Subsample #:	Samp	ole depth: 40	Penetra	ation depth	7 0		* 61 0
Sampling gear:	····	_00		mon achur	Q / Y	Time:	330
	·				Acceptable (circle)	sample yes) no
type:	color:	odor:		Commen			
cobble	drab olive	(none)	H₂S				i
gravel	gray)	slight	petroleum		\mathcal{T}	tC_	j
(sand C M/F)	(black)	moderate	other:				İ
silt clay	brown	strong				.456	ľ
organic matter	brown surface	overwhelming		}	122 20	1642	
Subsample #:	2 Sampl	le depth: 42	Penetra	ion depth	3 ~ 0		263
Sampling gear.		<u>L=</u>	- <u>**</u>	on acptit	7.5 / 9	_ Time:	357
<u> </u>	7	·		李	(circle)	sample ves	no
type:	color.	odor:		Comment			
cobble 5	drab olive	none ·	H ₂ S		3 CONT.	٠,	
gravel	gray ·	slight	petroleum		T_{-}	tC	
sand C M F	black	moderate	other:				
sift clay	brown	strong		4	7 33.	454 *	
organic matter	brown surface	overwhelming		12	2 20.	649	1
Subsample #:	ζ Sample	depth; YZ	Penetrati	· · · · · · · · · · · · · · · · · · ·	-,,,		
Sampling gear.		<u>1</u>			Aggentable		1:15
£	 			2*	Acceptable (circle)	sample yes	(e)
type:	color:	odor:	.]	Comments	1		
cobble	drab olive	none	H₂S			11	.
gravel	gray	slight	petroleum		•-	Ž.	。 : "倒"
sand C M F	black	moderate	other:	1	(1) 72 ·	de la companya de la	wr ri
silt clay	brown	strong			47 33. 4	'YP	ĺ
organic matter	brown surface	overwhelming	·}.	1.	22 20 6	, YP	
	1 1					-	



Project Name:			· p.	roject		
		Low	ne			
Date:	q	127/04	S	tation:	7,2b	
Start/Stop time:	1330) -		<u>X</u> :	520	
Sampling		· · · · · · · · · · · · · · · · · · ·		<u>-/:</u> Y:		
Method:	VAN	Voor		1.	•	
Weather:	0	Veor U	Sa	ample	•	
<u> </u>	SUN		1D		·	
Crew:	CIDP, h	A MOLOO	~ <u> </u>			
					A	
Subsample #:	Y Sampl	e depth: 52	Penetra	tion depth	35 / Time:	1420
Sampling gear:		42	dia ~		Acceptable sample	
		• 1			(circle)	√es no
type:	color:	odor:		Comment	s:	
cobble	drab olive	none	H₂S	1	THC	
gravel	gray	slight	petroleum		1+0	
Sand C MF	black	moderate	other:		1 ~	1
silt clay	brown	strong			47.33. 455	•
organic matter	brown surface	overwhelming			120 20, 64	9
Subsample #:	5 Sample	depth: 43	Penetra	tion depth	Time:	
Sampling gear:					Acceptable sample	yes (no)
					(circle)	ا س
type:	color:	odor:		Comment	S:	
cobble	drab olive	none	H₂S	1	•	1
gravel	gray	slight	petroleum		•	Ī
sand C M F	black	moderate	other:		47. 33. 456	. [
siit clay	brown	strong			•	.
organic matter	brown surface	overwhelming			122 20.645	
Subsample #:	6 Sample	depth: 4/	Penetrat	ion depth	7. 74 Time:	11117
Sampling gear:				on acpar	Acceptable sample	1447
					(circle)	(yes) no
type:	color:	odor:		Comments		
cobble	drab olive	(none)	H ₂ S			Ī
gravel	(gray)	slight	petroleum		THI	ŀ
sand C(MF)	black	moderate	other:	U	27 40	
Silt clay	brown	strong			33, 458	
organic matter	brown surface	overwhelming		122	20.649	
				<u> </u>		



Project Name:	•		· Pi	roject	
Date:	9/27	lo Y		tation:	721
Start/Stop time:	1330	<u> </u>		X:	<u>52D</u>
Sampling Method:		Voor	<u>-</u>	<u>X:</u> Y:	
Weather:			Sa	ample	
	Soul	Voor _	JD.		
Crew:	CIDP, HA	moloon			
Subsample #:	ን Sampl	e depth:	Penetra	tion depth	6.5\$ Time: 1506
Sampling gear:	·				Acceptable sample (circle) (ves) no
type:	color:	odor:		Comment	<u> </u>
cobble	drab olive	none	H₂S		7 1+
gravel	913)	slight	petroleum]	TIT
(Sand OM F)	black	moderate	other:	*	
siliclay	brown	strong	succes		47 33. 486
organic matter	brown surface	overwhelming			122 20, 649
Subsample #:	₹ Sample	depth: 4	Penetral	lion depth	P. 7.5 Time: 1523
Sampling gear:	•				Acceptable sample (yes) no
	·		·		(circle)
type:	color:	odor:		Comments	3:
copple.	drab olive	none	H₂S		$\Gamma + T$
gravel	gray .	slight	petroleum	ļ	
Sand (MF)	(black)	moderate	other:		117 25 100
(silt clay	brown	strong			47 33 455
organic matter	brown surface	overwhelming	·		122 20 649
Subsample #:	A Sample	depth: 45	- Y Penetrat	ion depth	Time: 1540
Sampling gear:					Acceptable sample (yes) no (circle)
type:	color:	odor:		Comments	•
cobble	drab olive	none	H₂S		7
gravel	gray	slight	petroleum		171
sand C M F	black	moderate	other:		47 77
silt clay	brown	strong			455
organic matter	brown surface	overwhelming			47 33. 455 122 20. 647



Project Name:	,	S. 1		oject			₹ •
Date		-DW	no	_		5	
Date:	- 7/1	0/04	St	ation:		33b	ı
Start/Stop time:	1420-	1540	·		X:		
Sampling Method:	VAn	VESTU			Y:	· ·	
Weather:	SUNNY		Sa ID	ample :			:
Crew: B	5, 2N, C	P. MA		·			
Subsample #:	/ Sample	e depth: 18	1 Penetra	tion dep	h	7.5 Time:	}-
Sampling gear:						Acceptable sample (ves) no (circle) Ovly Outs our	<u> </u>
type:	color:	odor:	******	Comn	ents		<i>)</i>
Cobble	drab olive	none	H ₂ S			7	- I
(grave)	gray)	slight	petroleum				,
eand C M F	black Barrow	moderate	other:	4 1		33,379N G 715-0 1) PIEC
silt clay	(brown)10P	strong		127	2_	20. 387 W -LAGIA	ac as 11 Mall
organic matter	brown surface	overwhelming				33,379N 3 TIED R 20.387W - LAF/LO FUE SAM	ich
Subsample #:	2 Sample	e depth: Lp1	Penetra	tion dept	h	7,5cm Time:	
Sampling gear:					•	Acceptable sample (yes) no (circle)	•
type:	color:	odor:		Comm	ents:	1 · . · . ·	
Cobb	drab olive	nóne	H₂S	i ·		T	
gaveD	(g/a)	slight	petroleum				:
(sand C M F	black	moderate	other:				
silt clay	promu	strong		1			-
organic matter	brown surface	overwhelming					
Subsample #:	3 Sample	depth: ሆ	Penetra	tion dept	h	Pen Time:	**
Sampling gear:				·	-	Acceptable sample (yes) no (circle) ONLY TONAS	i
type:	color:	odor:		Comm	ents:	1	l
cobble	drab olive	none	H ₂ S	1			• I
gravel	gray	slight	petroleum				i
sand C M F	black	moderate	other:			·	
silt clay	brown	strong					
organic matter	brown surface	overwhelming					



Project Name:	;	A.)		oject		•		
Date:		DW	no			> m		
	\$/10	[04	St	ation:		<u>836</u>		
Start/Stop time:	1420 -	1540			<u>X:</u>			
Sampling Method:	VAn	Veron			Y:			
Weather:			Sa	mple				
	SUWNY		ID	:				
Crew:	SUNNY 6, SN, E	P, Fla						
Subsample #:	 Sample	e depth:	P [∤] Penetra	tion dep	th	qun Time:		
Sampling gear:	· · · · · · · · · · · · · · · · · · ·					Acceptable sample (circle)	yes	no
type:	color:	odor:		Comr	nents:			
cobble	drab olive	none	H₂S			T-		
grave	gray Sona	slight	petroleum			J		
Sand C M F	black	moderate	other:					
silt clay	brown TOY	strong	•					
organic matter	brown surface	overwhelming						
Subsample #:	5 Sample	depth:	/ Penetral	ion dep	th ,	10 x 10cm Time:		
Sampling gear:					. =	Acceptable sample	(yes)	no
	11	Τ .		I		(circle)		
type:	color:	odor:		Comn	nents:			
COBDIE Gravel	drab olive	none)	H ₂ \$		TI	· د		
sand CMF	gray	slight	petroleum		•			
silt clay	black sorium	moderate	other:					
organic matter		strong						
<u> </u>	brown surface	overwhelming		<u></u>		•		
Subsample #:	Sample	aeptn:	Penetrat	ion dep	th "	Time:		
Sampling gear:			•			Acceptable sample (circle)	yes	no
type:	color:	odor:		Comm	nents:			
cobble	drab olive	រា០ne	H ₂ S					
gravel	gray	slight	petroleum					
sand C M F	black	moderate	other:					
silt clay	brown	strong						
organic matter	brown surface	overwhelming						





Project Name:			Pro	oject			
Date:	8/17/1	24		tion:	836		•
Start/Stop time:	1035	1245		x:	13 J D		
Sampling	<u> </u>			<u> </u>			
Method:	van	Voor					
Weather:	- A - 1		Sa	mple			
	"SUNNY	• •	ID:				
Crew: Bar	ַ טרד, עובי	Wa					
•		<u> </u>		4		,	•
Subsample #:	6 Sample	e depth:	19 Penetral	ion depth	136/3 cm Time:	1038	
Sampling gear:		·			Acceptable sample (circle)	(yes) no	
type:	color:	odor:	,	Comments			-
cobble	drab olive	none ,	H ₂ S		THC		
gravel	(gray)	slight .	petroleum				
sand C M F	black	moderate	other:	47	33 3719		
silt clay	brown	strong			20.392		, .
organic matter	brown surface	overwhelming		''	20. 312		
Subsample #:	Z Sample	depth: 🚶 🕅 3-1	ソ ^I Penetrat	ion depth	12 , pa Time:	1/20	
Sampling gear:			· 		Acceptable sample		
- 6				r 	(circle)	\sim	
type:	color:	odor:		Comments	THC		
cobble	drab olive	(none)	H₂S		120		TIED
(gravel)	gray	slight	petroleum		¥a.		10
sand C M F	black	moderate	other:	.42	33, 375		61465
(sit Oclay)	brown	strong				;*	
organic matter	brown surface	overwhelming			20.390		
Subsample #:	Sample	depth:	2 Penetrat	ion depth	12,90 Time:	1150	
Sampling gear:					Acceptable sample	yes no	
type:	color:	odor:	·	Community	(cîrcle)		,
cobble	drab olive	none)	H₂S	Comments	T-1		1700
gravel	gray	slight	n ₂ 5 petroleum				מו
sand C M F	(black) Izanu	moderate	other:	": YX	53.376		1
(silt clay)	brown 1791	strong	ouiei;	(P	-3.516		BAKGG
organic matter	brown surface	overwhelming	•	122	20.390		
organio matter	DIOWII SUITACE	OACIMICITINIÀ					



Project Name;		14	Pr no	oject					
Date:	8/17/01	y .		ation:		336			
Start/Stop time:	1035	- 1246		w	X:		·-··	 ·	
Sampling		. /	7		<u>γ</u> .			<u> </u>	
Method:	vyw l	Per /			•				•
Weather:	<i>C</i> •	/		mple					
O	SUWNY		ID						
Crew: BG	DUID	wn	·			<u> </u>			
Subsample #:	Sample	e depth:	Penetra	tion dep	lh	Time:	12	PE 20	
Sampling gear:						Acceptable sample (circle)	yes	no	
type:	color:	odor:		Comm	ents:	3-4			
cobble	drab olive	none	H ₂ S		,	T			116
gravel	gray	slight	petroleum						10
sand C M F	black	moderate	other:			-			197
silt clay	brown	strong .							
organic matter	brown surface	overwhelming							
Subsample #:	Sample	e depth:	Penetral	ion dept	h	_ Time:			
Sampling gear.						Acceptable sample (circle)	yes	no	٠.
type:	color:	odor:		Comm	ents:				
cobble	drab olive	none	H₂S]		:			
gravel	gray	slight	petroleum		-				
sand C M F	black	moderate	other:		-		~ ;		
silt clay	brown	strong,				± Ø ++ v ^P →			
organic matter	brown surface	overwhelming				•			
Subsample #:	Sample	depth;	Penetrat	ion dept	h	Time:			
Sampling gear:						Acceptable sample (circle)	yes	no	•
type:	color: 🏑	odor:		Comm	ents:	· · · · · · · · · · · · · · · · · · ·			
cobble	drab olive	none	H₂S						
gravel	gray	slight	petroleum			÷			
sand C M F	black	moderate	other:			**************************************		Ì	
silt clay	brown	strong							
organic matter	brown surface	overwhelming							

E-1 26 of 57



Project Name:	L) <i>id</i>	Pro ло.	oject	-
Date:	91-	28/04	Sta	ition:	BYb
Start/Stop time:				X:	
Sampling Method:	ViAW	Veor		Y:	
Weather:			Sai	mple	
	CLOUD	Ψ	ID:		<u> </u>
Crew: <u>& C</u>	ID, WA				
					· · · · · · · · · · · · · · · · · · ·
Subsample #:	Sample	depth:	Penetrat	ion depth	16.5,17.5 Time: \$30
Sampling gear:					Acceptable sample (ves) no
type:	color:	odor:	,	Commen	
cobble	drab olive	(none)	H ₂ S		Ttl
gravel	(Fây)	slight	petroleum		u
sand C M(F)	olack)	moderate	other:	[47 33. 056
Siff clay	brown	strong			128 20 375
organic matter	brown surface	overwhelming	* .		
	· -	<u></u>		ــــــــــــــــــــــــــــــــــــــ	334.
Subsample #:	2 Sample	<u></u>	Penetrat	ion depth	14½ /4 Time: 900
	2 Sample	<u></u>	Penetrat	ion depth	Acceptable sample (ye) no (circle)
Subsample #:	2 Sample	<u></u>	Penetrat	ion depth	Acceptable sample (ye) no (circle)
Subsample #: Sampling gear:		depth: 15	Penetrat	,	Acceptable sample (yes no (circle).
Subsample #: Sampling gear: type: cobble gravel	color:	depth: [5]		,	Acceptable sample (ye) no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C M(F)	color: drab olive	odor:	H ₂ S	,	Acceptable sample (ye) no (circle).
Subsample #: Sampling gear: type: cobble gravel sand C M(F)	color: drab olive gra	odor: none slight moderate strong	H₂S petroleum	,	Acceptable sample (ye) no (circle). T-C 47 33 . 056
Subsample #: Sampling gear: type: cobble gravel sand C M(F) sill clay organic matter	color: drab olive gra black brown brown surface	odor: none slight moderate	H₂S petroleum other:	Commen	Acceptable sample (ye) no (circle). T-C 47 33 . 056 12 2 20, 376
Subsample #: Sampling gear: type: cobble gravel sand C MF sill clay organic matter Subsample #:	color: drab olive (gray- black) brown	odor: none slight moderate strong overwhelming	H₂S petroleum other:	,	Acceptable sample (ye) no (circle). 17 33 . 056 12 2 20. 376 132, /4 Time: 0930
Subsample #: Sampling gear: type: cobble gravel sand C M(F) sill clay organic matter	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H₂S petroleum other:	Commen	Acceptable sample (ye) no (circle). T-C 47 33 . 056 12 2 20, 376
Subsample #: Sampling gear: type: cobble gravel sand C MF sill clay organic matter Subsample #:	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H₂S petroleum other:	Commen	Acceptable sample (ve) no (circle). 17 33 . 056 12 2 20. 376 132, /Y Time: 0930 Acceptable sample (circle) fels no (circle)
Subsample #: Sampling gear: type: cobble grave! Sampling C MF silf clay organic matter Subsample #: Sampling gear:	color: drab olive gray black brown brown surface Sample color: drab olive	odor: none slight moderate strong overwhelming depth: []	H₂S petroleum other:	Comment of the commen	Acceptable sample (ve) no (circle). 17 33 056 12 2 20 376 132, /Y Time: 0930 Acceptable sample (re) no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C MF silk clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive grab black brown brown surface Sample color: drab olive grab	odor: none slight moderate strong overwhelming depth: [\(\) odor: none slight	H₂S petroleum other; Penetrat H₂S petroleum	Comment of the commen	Acceptable sample (ve) no (circle). 17 33 . 056 12 2 20. 376 132, /Y Time: 0930 Acceptable sample (circle) fels no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C MF silf clay organic matter Subsample #: Sampling gear: type: cobble gravel gravel	color: drab olive gray black brown brown surface Sample color: drab olive gray black	odor: none slight moderate strong overwhelming depth: odor: none slight moderate	H₂S petroleum other: Penetrat H₂S	Comment ion depth	Acceptable sample (ve) no (circle) ts: T-C Y7 33 . 056 12 2 20. 376 13t, /9 Time: 0930 Acceptable sample (ve) no (circle) ts:
Subsample #: Sampling gear: type: cobble gravel sand C MF silk clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive grab black brown brown surface Sample color: drab olive grab	odor: none slight moderate strong overwhelming depth: [\(\) odor: none slight	H₂S petroleum other; Penetrat H₂S petroleum	Comment ion depth	Acceptable sample (ve) no (circle). 17 33 . 056 12 2 20. 376 132, /Y Time: 0930 Acceptable sample (circle) fels no (circle)



Project Name:	4	DW		Project no.
Date:		47/04		Station: RUL
Start/Stop time:	330	-0/0/	· · · · · · · · · · · · · · · · · · ·	X: 5 4 6
Sampling Method:	VAW	Van		Y:
Weather:			·	Sample
	CLOUD			D:
Crew: BC	CITD 14	M	- 1	
Subsample #:	Ƴ Samole	e depth: 13	Penetr	ration depth 15 16 Time: tra acc
Sampling gear:				Acceptable sample (circle) Time: #2 955
type:	color:	odor:	<u> </u>	Comments:
cobble	drab olive	none	H₂S	TAT
gravel	gray	slight	petroleum	1 1
Sapa C MF	black	moderate	other:	112 33 801
(silt/clay	brown	strong		4F 37 056
organic matter	brown surface	overwhelming		122 20 375
Subsample #:	5 Sample	depth: 13	Penetra	ation depths: 15,19 Time: 1025
Sampling gear:				Acceptable sample (es) no
<u> </u>				(circle)
type: .	color:	odor:		Comments:
cobble	drab olive	none	H₂S	7
gravel	gfáy)	slight	petroleum	TIT
Sand C MF	Hack	moderate	other:	47 53.056
silt clay	brown	strong		•
organic matter	brown surface	overwhelming		122 20,377
Subsample #:	6 Sample	depth: 12	Penetra	ation depth 14.15 Time: 1.055
Sampling gear:	·			Acceptable sample yes no (circle)
type:	color:	odor:		Comments:
cobble	drab olive	none	H₂S	41
gravel	gray	slight	petroleum	
	black	moderate	other:	47 33 057
sift clay	brown	strong		
organic matter	brown surface	overwhelming		122 20.376



Project Name;	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	SW .	· Pr	oject					÷
Date:	9/	281.04	St	ation:		·	B41		
Start/Stop time:					X:		45 ()	<u>, </u>	
Sampling Method:	VAN	Voon	· · · · · · · · · · · · · · · · · · ·		Y:				<u> </u>
Weather:		VOOW	Sa	mple .	 				
	Sov	JNY	ID:						
Crew:	3C, TO, H	13							
						."			
Subsample #:	Sample	e depth:	Penetra	tion dept	h	I U	Time:	11	12
Sampling gear:						Acceptable (circle)	e sample	Ves	no
type:	color:	odor:		Comm	ents:				
cobble	drab offive	none	H₂S				7		
gravel	gray	slight	petroleum				4		
sand CMF	black	moderate	other:			117	22	Si :2	
silt clay	brown	strong				4 1	33.	J) > 22/	
organic matter	brown surface	overwhelming				122	20.	5 96	
Subsample #:	0								
	Sample	e depth:	Penetrat	ion depti	h		Time:		
Sampling gear:	Sample	e depth:	Penetrat	ion depti	h]	Acceptabl (circle)		yes	no
	color:	odor:	Penetrat	Comm		Acceptabl (circle)		yes	no
Sampling gear:			Penetrat	·				yes	no
Sampling gear: type: cobble gravel	color:	odor:		·				yes	no
Sampling gear: type: cobble gravel sand C M F	color:	odor:	H ₂ S	·				yes	no
Sampling gear: type: cobble gravel sand C M F silt clay	color: drab olive gray	odor: none slight	H ₂ S petroleum	·				yes	no
sampling gear: type: cobble gravel sand C M F	color: drab olive gray black	odor: none slight moderate	H ₂ S petroleum	·				yes	no
type: cobble gravel sand C M F silt clay organic matter Subsample #:	color: drab olive gray black brown	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Comm	ents:			yes	no
sampling gear: type: cobble gravel sand C M F silt clay organic matter	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H ₂ S petroleum	Comm	ents:		e sample	yes	no
type: cobble gravel sand C M F silt clay organic matter Subsample #:	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Comm	ents:	(circle)	e sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear:	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming depth;	H ₂ S petroleum other:	Comm on depti	ents:	(circle)	e sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming depth:	H ₂ S petroleum other: Penetrati	Comm on depti	ents:	(circle)	e sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black brown brown surface Sample color: drab olive	odor: none slight moderate strong overwhelming depth; odor: none	H ₂ S petroleum other: Penetrati	Comm on depti	ents:	(circle)	e sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay	color: drab olive gray black brown brown surface Sample color: drab olive gray	odor: none slight moderate strong overwhelming depth: odor: none slight	H ₂ S petroleum other: Penetrati H ₂ S petroleum	Comm on depti	ents:	(circle)	e sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black brown brown surface Sample color: drab olive gray black	odor: none slight moderate strong overwhelming depth: odor: none slight moderate	H ₂ S petroleum other: Penetrati H ₂ S petroleum	Comm on depti	ents:	(circle)	e sample		



Date: 9/2/10 y Station: B5b Start/Stop time: 12 25 - X: Wover Sympos. Weather: CLOUPY ID: DUE TO WHILE OF TO WHILE OF TO Sample ID: Crew: RC, ID, WM. Subsample #: Sample depth: 6 Penetration depth 12,12 Time: 1225 Acceptable sample (circle) Type: color: odor: Comments: The gravel gray slight petroleum sand C M F black moderate other: 47 32, 976 Silt clay brown strong overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 72,12 Time: 1225 Acceptable sample (es) no color: Comments: The gravel gray slight petroleum sand C M F brown strong overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 7,6 Time: 1245 Sampling gear: Acceptable sample yes no (circle) Subsample #: 2 Sample depth: 6 Penetration depth 9,6 Time: 1245 Acceptable sample yes no (circle)	
Start/Stop time: 12.25 - X: MOUCH SOMMOND Sampling Method: VAW VCOV Y: OUT FLOW CHOICE Weather: CLOURY ID: OUT FLOW CHOICE Crew: Re, ID, WAR. Subsample #: Sample depth: 6 Penetration depth 12.12 Time: 12.25 Acceptable sample (circle) The cobble drab olive none H2S The cobble gray slight petroleum sand C M F black moderate other: 47.32.976 silt clay brown surface overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 7,6 Time: 12.45 Acceptable sample fes no cobble drab olive none H2S The cobble gray slight petroleum sand C M F black moderate other: 47.32.976 silt clay brown surface overwhelming Acceptable sample yes no (circle)	
Sampling Method: Weather: CLOWN Crew: Crew: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Cobble Gravel gravel gravel gravel sand C M F black moderate brown strong organic matter DUC TO WHILL OX III Sample depth: Ges Penetration depth 12, 12 Time: Acceptable sample (circle) TelC Tell TelC Tel	
Sampling Method: Weather: CLOUM ID: Crew: RC TD VMA Subsample #: Sample depth: Penetration depth 12 12 Time: 12.25 Acceptable sample (circle) Acceptable sample Response Golor: Comments: T-fC Gravel Gr	
Weather: CLOUSY Crew: RC, ID, WB. Subsample #: Sample depth: 6 Penetration depth 12 12 Time: 12.25 Acceptable sample (circle) 12.25 Acceptable sample (circle) 12.25 Acceptable sample (circle) 12.25 Acceptable sample (circle) 12.25 Acceptable sample (circle) 12.25 Acceptable sample 12.25 Acceptable samp	EDIC OL WA
Crew: Re, ID, WAS Subsample #: Sample depth: 6 Penetration depth 12, 12 Time: 12.25 Sampling gear: Acceptable sample (circle) Acceptable sample (circle) type: color: odor: Comments: cobble drab olive none H2S T-fC gravel gray slight petroleum sand C M F black moderate other: Y7 32 , 976 silt clay brown strong 122 20 . 32 x) organic matter brown surface overwhelming Subsample #: Q Sample depth: 6 Penetration depth 9,6 Time: 12.45 Sampling gear: Acceptable sample yes no (circle)	OL WAH
Subsample #: Sample depth: 6 Penetration depth 12,12 Time: 12.25 Sampling gear: Acceptable sample (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: 47.32.976 silt clay brown strong 12.20.324 organic matter brown surface overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 9,6 Time: 12.45 Acceptable sample yes no (circle)	
Subsample #: Sample depth: 6 Penetration depth 12 12 Time: 12.25	
Sampling gear: Color: Comments: Com	-
Sampling gear: Color: Comments: Com	_
type: color: odor: Comments: cobble drab olive none H ₂ S T-C gravel gray slight petroleum sand C M F black moderate other: 47 32 . 976 silt clay brown strong 122 20 . 32 f organic matter brown surface overwhelming Subsample #: Q Sample depth: 6 Penetration depth Q Time: 1245 Sampling gear: Acceptable sample ges no (circle)	_
type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: 47 32 , 976 silt clay brown strong overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 9,6 Time: 12 45 Sampling gear: Acceptable sample yes no (circle)	
cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: 47 32 . 976 silt clay brown strong 122 20 . 32 f organic matter brown surface overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 9,6 Time: 12 45 Sampling gear: Acceptable sample yes no (circle)	
sand C M F black moderate other: 47 32 976 silt clay brown strong overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 9,6 Time: 1245 Sampling gear: Acceptable sample yes no (circle)	
silt clay brown strong strong 122 20.32 d overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 7 Time: 1245 Sampling gear: Acceptable sample yes no (circle)	
silt clay brown strong strong 122 20.32 d overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 7 Time: 1245 Sampling gear: Acceptable sample yes no (circle)	
organic matter brown surface overwhelming Subsample #: 2 Sample depth: 6 Penetration depth 7,6 Time: /2 45 Sampling gear: Acceptable sample yes no (circle)	1
Sampling gear: Acceptable sample yes no (circle)	
Sampling gear: Acceptable sample yes no (circle)	7
(circle)	
type: color: color: Comments:	
] .
cobble drab olive none H₂S	Í
gravel gray slight petroleum T+C	
sand C M F black moderate other: silf clay brown strong 47-32.977	
]
organic matter brown surface overwhelming /22 20, 329.	
Subsample #: 3 Sample depth: Penetration depth /0, 10 Time: 13 op	_
Sampling gear: Acceptable sample (yes) no	
type: color: comments:	- ¹
cobble drab olive (cons)	
gravel gray slight petroleum	
silt clay brown strong success 47 32, 916	
organic matter hrown surface overwholming 54000 127 20 329	



Project Name:	•		· F	roject				
		W		0.				
Date:	9/20	104	S	itation;		BSH	`	· · · · · · · · · · · · · · · · · · ·
Start/Stop time:	1225	_			X:			
Sampling					Y:			
Method:	VAN	Vion			••			÷
Weather:	C .1 .	4	s	ample				·
Crown	30wn		16): 				
Crew:	BC, M. 4	<u> </u>						
·								
Subsample #:	9 Sampl	e depth:	Penetr	ation dep	th	5 t	Time:	1325
Sampling gear:		6				Acceptable	 sample	<u>~</u>
time:	color:	:				circle)		(yes) no
type:		odor:		Comn	nents:			:
1	drab olive	none	. H₂S				7	
gravel	gray	slight	petroleum				•	
sand CMF	black	moderate ·	other:			47 32,	900	t 74
silt clay	brown	strong	•			22 20.	_	- /
organic matter	brown surface	overwhelming		<u>. </u>		22 20,	ンベト	•.
Subsample #:	5 Sample	depth:	Penetra	tion dep	h	102	Time:	1333
Sampling gear:					T	Acceptable	- sample	
type:	T 1	· · ·			·	(circle)		\bigcirc
cobble	color:	odor:		Comm	rents:	·		
	drab olive	none	H₂S			}		
gravel	grav	slight	petroleum			,		
sand CMF	(black)	moderate	other:		, , ,	2)	071	
silt clay	brown	strong	- X - 74	No.	4.5	32.	770	•
organic matter	brown surface	overwhelming			122	20,	329	
Subsample #:	6 Sample	depth: 9.4	∤ Penetra	tion dept	h	····	Time:	1345
Sampling gear:				~~~	T	Acceptable	- sample	yes (no')
tuno:			·	· · ·		(circle)		
type: cobble	color:	odor:		Comm	ents:			
	drab olive	none	H₂S	1				
gravel sand C M F	gray	slight	petroleum	1				
	black	moderate	other:		U	z 32·	976	
silt clay	brown	strong	•		70	2 20.	000	, l
organic matter	brown surface	overwhelming	···		12	2 XO.	42	1



Project Name:				oject					
Dete)W	no).					
Date:		2P	St	ation:			B56		
Start/Stop time:	1225-	······································			X:				
Sampling					Y:				
Method:	UAW	1000							
Weather:	SUN	-	Sa	mple					
	SOW	4	ID						
Crew: B	C, To, ut	<u>n</u>					•		
Subsample #:	ີ> Sample	e depth: O	Penetra	tion den	th	006	Time:	13	50
Sampling gear:	·			won dop	-	Acceptable			
						(circle)	sample	Ø	no
type:	color:	odor:		Comn	nents:	<u> </u>			
cobble	drab olive	(none)	H ₂ S	1			T+	7	
gravel	(gray)	slight	petroleum				1 7	ł	
(sand)C(MF)	(Diack)	moderate	other:		••	*	• :.		
silt clay	brown	strong	•			473	2.97	6	
organic matter	brown surface	overwhelming				122 20	32	9	
Subsample #:	Sample		Penetra	ion deni	th	Ø 10	Time:		25
Sampling gear:	,			noti debi	т.	Acceptable	_	1-1	<i>y</i> 3
	4		•			(circle)	sample	es	no
type:	color:	odor:		Comm	nents:	```	1	~	
cobble	drab olive (none	H₂S						
gravel 3	gray	slight	petroleum				Tf		
sand O(M)F	black	moderate	other:						
silt clay	brown	strong .			47	52.	975		
organic matter	brown surface	overwhelming			122	32.	327		7
Subsample #:			Penetrat	ion denf		a	Time:		25
Sampling gear:				on dope	" т	Acceptable	_		
						(circle)	sample	yes	no
type:	color:	odor:		Comm	ents:				
cobble	drab olive . (none	H ₂ S		•	* *		•	
grayel	(gray)	slight	petroleum			· /			;
sand)CM #	biack	moderate	other:		47	- 32 ,	975	•	
silt clay	brown	strong				20.			į
organic matter	brown surface	overwhelming	Ĭ.		120	, smill a	ングル		



Project Name:				oject :		. •		* + % **
Date:	<i>N</i>	bw	no.		••••	. 5/1		·
	411	8/04	Sta	ation:		B6b		<u>-</u>
Start/Stop time:	03.03	-			X:			<u></u>
Sampling : Method:	VAW	Voor			Y:	•		·.
Weather:	P . A . I T		Sa ID:	mple			-	
Crew: BG	Ma, Ar	, VM	ID.			<u> </u>	.	
				··············				
Subsample #:	Sample	depth: <u>13</u> -	2 Penetra	lion dep	oth	12, 13cm	Time:	1315
Sampling gear:			• "		. , .	Acceptable san (circle)	nple .	(yes) no
type:	color:	odor:		Com	ments:	~		
cobble	drab olive	none	H₂S) 7	<u>-ر</u>	
gravel	gray	slight)	petroleum .					
sand CMF	(black) botton	moderate	other:		w	22 455	-	
silt clay	brown	strong			n_{1}	32, 455 . L9i, Pf.	^	
organic matter	brown surface	overwhelming			1 1	. E. L. A.A.	2	
Subsample #:	2 Sample	depth: /2	(Penetral	ion dep	oth	15, 15 Can	(ime:	1353
Sampling gear:	<u>.</u>					Acceptable sa (circle)	mple	(ves) no
type:	color:	odor:		Com	nents:		_	
cobble	drab olive	none	H ₂ S			17	<u>С</u>	
gravel	(gray)	slight	petroleum	İ				
sand CMF	(black) Booton	moderate	other:		47	32, 453	•	
(silt clay	brown	strong						
organic matter	brown surface	overwhelming			122	. 19.PP=	.	
Subsample #:	3 Sample	depth: 13	? Penetral	ion dep	oth	15.15	Time:	LY25
Sampling gear:		· ·				Acceptable sa (circle)	mple	yes no
type:	color:	odor:		Com	ments:			
cobble	drab olive	none	H ₂ S]·		\mathcal{T}	tC	,
gravel	(gray	slight)	petroleum			•		
sand C M F	black Bolton	moderate	other:		V7	32. 45	ζ	
silt clay	brown	strong				19. PP		
organic matter	brown surface	overwhelming	······································	/	スル	U. 70	<u>~</u>	

XXIII	Ward LLC
AATI	Serviconmental LLC

Project Name:	•		Pro	oject		
	LDW		no.			
Date:	PL42104		Sta	ation: B6b		
Start/Stop time:	: 1305			X:		
Sampling		_		Y:		
Method:	VAN	Voon	•			
Weather: Sample ID:						
Crew: TR	SUNN	<u> </u>	ID;			
Ciew. B	a, Ho, r	MUMA .	 			
Subsample #:	U Sample	depth: /31	Donatrati	ion doubt 12 h 11/h Time 1505		
1 chemanon deput 138/1780 mile. 1800						
Camping gear.			•	Acceptable sample (circle)		
type:	color:	odor:		Comments:		
cobble	drab olive	none F	l₂S	$\int tT$		
gravel	(gray)	(slight) p	etroleum	1102		
sand C M F	(black) Buston		other:	47 32 . 453		
filt clay)	brown	strong S ²	icen	122 19. 882		
organic matter	brown surface	overwhelming		122 (1. 00)		
Subsample #: 5 Sample depth: 171 Penetration depth // /3cm Time: 15 35						
Sampling gear:		-	_	Acceptable sample (ves) no		
		•		(circle)		
type:	color:	odor:	<u> </u>	Comments:		
cobble	drab olive		1 ₂ S	THE		
gravel	gray)		etroleum			
sand C M F	L-1 \.		t t	, ,		
	black	moderate o	ther:	•		
silt clay	brown	strong g	t t	47 32. 454		
organic matter	brown brown surface	strong g	other: SHEEAV	47 32. 454 122 19. 882		
organic matter Subsample #:	brown	strong g	ther:	47 32 . 454 122 19 . PP2 on depth Time: 1606		
organic matter	brown brown surface	strong g	other: SHEEAV	47 32. 454 122 19. 882		
organic matter Subsample #:	brown brown surface	strong g	other: SHEEAV	97 32 . Y5 Y 122 19 . PP2 on depth Time: 1606 Acceptable sample yes (160)		
organic matter Subsample #: Sampling gear:	brown brown surface Sample	strong government odor:	other: SHEEAV	on depth Time: 1606 Acceptable sample yes (circle)		
organic matter Subsample #: Sampling gear: type:	brown surface Sample	strong overwhelming depth: 13 € 1	Penetration	17 32 454 122 19. PP2 on depth Time: 1606 Acceptable sample yes (no) (circle) Comments:		
organic matter Subsample #: Sampling gear: type: cobble	brown surface Sample color: drab olive	overwhelming depth: 13 to 13 t	Penetration	on depth Time: 1606 Acceptable sample yes (circle)		
organic matter Subsample #: Sampling gear: type: cobble gravel	brown surface Sample Color: drab olive gray	overwhelming depth: 13 to 13 t	Penetration	47 32 454 122 19. PP2 on depth Time: 1606 Acceptable sample yes 60 (circle) Comments:		
organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	brown surface	overwhelming depth: 13 to 13 t	Penetration	17 32 454 122 19. PP2 on depth Time: 1606 Acceptable sample yes (no) (circle) Comments:		



Project Name:	L	ν.	Pro no	oject		•		
Date:	8/1	0104	Sta	ation:		36b		
Start/Stop time:	1305	(Aer)			X:			
Sampling	γ <u>3</u>				Y:			
Method:	UMW.	liew	•		•••			•
Weather:	_	-	Sa	mple				***
	SUWWY		ID:		·			
Crew:	G, MO, Ax	ulh						
Subsample #:	<u> </u>	depth: 16	Penetral	ion dep	th	12, 13 Eas Time:	16	<i>(</i> 0
Sampling gear:	•				ſ	Acceptable sample	ves	по
hear	T and an		· · · · · · · · · · · · · · · · · · ·	T		(circle)		
type:	color:	odor:		Comr	nents:			
cobble	drab olive	none	H₂S			T + T		
gravel	(gráy)	slight	petroleum			•		
sand C M F	Clack bo how	moderate	other:			47 32. K		
silt clay	brown	strong				7,00	6	
organic matter	brown surface	overwhelming				13219. AP	<u> </u>	
Subsample #:	Sample Sample	depth: 16	Penetrat	ion dep	th	13 cy Time:	[6	70
Sampling gear:	100	•		•		Acceptable sample (circle)	(yes)	no
type:	color:	odor:		Comn		(circle)		
cobble	drab olive	none	H₂S	Comm	nems.	7		
gravel	gray	slight	-					
sand C M F	black	moderate	petroleum other:		4 /	9 22 452		
silt clay	brown	strong	onier.		4	¥ 32. 433		13.
organic matter	brown surface	overwhelming			1.	12\19.891		
Subsample #:	Sample		Penetrat	ion don	4h	Time:		
Sampling gear:			— reneual	ion deb	uı T	Acceptable sample		
Company year.						(circle)	yes	BO √
type:	color:	odor:	·	Comn	nents:			 -
cobble	drab olive	none	H₂S			· Na		
gravel	gray	sligḥt	petroleum					
sand C M F	black	moderate	other:			•		
silt clay	brown	strong	,			,		
organic matter	brown surface	overwhelming						



Project Name:	L	DW	Pro no	oject			•		
Date:	8/13	104	Sta	ation:		RZI	<u> </u>		
Start/Stop time:	1	1650			X:		<i></i>	-	
Sampling					Y:				
Method:						•			٠
Weather:	(*) -0 ·	75.4		mple					
Crew:	SOWNY,	BLEEG	ID:			· · · · · · · · · · · · · · · · · · ·			
Crew:	4 1802 4	C, UA			· · · · · · · · · · · · · · · · · · ·				
				•		· · · · · · · · · · · · · · · · · · ·			
Subsample #:	Sample	e depth: 24-2	. <u>C.</u> Penetral	ion dep	_		وم Time:	[404	٠.
Sampling gear:			`			Accéptable (circle)	sample	yes no	
type:	color:	odor:		Comr	nents:				
cobble	drab olive	(none)	H₂S	1			Tt	C	
gravel	(gray)	slight	petroleum					Ī	
sand C M F	black	moderate	other:			71	A.		•
silt clay	brown	strong				32,			
organic matter	brown surface	overwhelming			122	19.	466		
Subsample #:	2 Sample	depth: 2y-2	Penetrat	ion dep	th .	13a	Time:	1441	:
Sampling gear:		-			7	Acceptable	e sample	(yes) no	
						(circle)	Olver 6	INCE CINAS	
type:	color.	odor:		Comn	nents:		-		
cobble	drab olive	(none)	H₂S					-	
gravel	gray	slight	petroleum					ŀ	
sand C.M.F	black	moderate	other:		47	32.	, .		
Silt clay	(brown)	strong			- •		• •		
organic matter	brown surface	overwhelming				2 19	470		
Subsample #:	3 Sample	depth: <u>27</u> -	25 Penetrati	on dep	th _	13 am	Time:	15 -15	32
Sampling gear:						Acceptable (circle)	sample	yes no	
type:	color:	odor:		Comn	nents:				
cobble	drab olive	noné	H₂S				Tto	p	•
gravel	gray	slight	petroleum		-		1 21	-	•
sanc C M F	black	moderate	other:		ŧ	17.32	. 12	,	
Silt clay	brown	strong							
organic matter	brown surface	overwhelming	ļ		1	22 10	i . 47	₹ .*	



· rojoverranio.	LDO	W	no.	Ject Ject	
Date:		3104	Sta	ıtion:	875
Start/Stop time:	1400-	1650	- · · · · · · · · · · · · · · · · · · ·	X	
Sampling Method:		SEEM		Y	
Weather:	SOWAY		Sai ID:	mple	
Crew: CW	, BC, BO	¿4n-			
Subsample #: Sampling gear:	M Sample	depth: 14-7	Penetrat	ion depth	Acceptable sample (circle) Time: 1555
type:	color:	odor:		Commen	
cobble	drab olive	(noné)	H ₂ S	ļ	T+C
gravel	gray	slight	petroleum		
sand C M F	black	moderate	other:		47 32 130
stit clay	(brown)	strong			122 19. 466
organic matter	brown surface	overwhelming			•
Subsample #:	Sample	depth: 26-	28 Penetrat	ion depth	
Sampling gear:	٠.		.,		Acceptable sample yes (circle)
type:	color:	odor:		Commen	ts:
cobble	drab olive	none	H₂S		
gravel	gray	slight	petroleum		
sand C M F	black	moderate	other:		47 32. 134
silt clay	brown	strong			132 19.469
organic matter	brown surface	overwhelming			122 11. 464
Subsample #:	Sample	depth: 26 -	Penetrat	ion depth	13+13 an Time: 1650
Sampling gear:			:		Acceptable sample (ves) no (circle)
type:	color:	odor:		Commen	ts:
cobble	drab olive	none	H₂S		TIT
gravel	gray	slight .	petroleum		· · · · · · · · · · · · · · · · · · ·
sand C M F	black	moderate	other:		CP7 27 120
silt clay	brown -	strong	•		47 32. 130 129
organic matter	brown surface	overwhelming			122 19,473
					The second secon

only 2 core samples in BC.



	Project Name:	LDU		Project				
	Date:	0157	04	no.	ntion:	ን ን ኤ		
	Start/Stop time:	/2	· ,			37b		
	Sampling	130	010		X: Y:			
	Method:	UAN	Veen		1;			
	Weather:	•		Sai	mple			
		CLOUNY - L	ATEK SUN	VY ID:		·		
	Crew:	N. BE, T), riA	· · · · · · · · · · · · · · · · · · ·	•			
						•		
l	Subsample #:	3 Sample	depth: <u>2</u> 4	L25 Penetrat	ion depth	Time:		
l	Sampling gear:		•			Acceptable sample (circle)	yes (no	
ŀ	type:	color:	odor:	······································	Comments	۱ <u>*</u>		
ľ	cobble	drab olive	none	H₂S				
l	gravel	gray	slight	petroleum	¥ 	No.		
	sand C M F	black	moderate	other:	47	32.125		
l	silt clay	brown	strong		,	19,477		
Į	organic matter	brown surface	overwhelming		100	ETT TAK	• ;	
L	····							
١	Subsample #:	P Sample		.27 Penetrat	on depth	11, 12 to Jime:	0855	
	<u>-</u>	P Sample		.27 Penetrat	on depth	Acceptable sample		
_	Subsample #: Sampling gear:		depth: 23.	27 Penetrat		Acceptable sample (circle)		
┡	Subsample #: Sampling gear: type:	color:	depth: 23.		ion depth Comments:	Acceptable sample (circle)		
	Subsample #: Sampling gear: type: cobble	color:	depth: 23.	H ₂ S	Comments:	Acceptable sample (circle)		
	Subsample #: Sampling gear: type: cobble grayel	color:	odor:	H ₂ S petroleum	Comments	Acceptable sample (circle)		
	Subsample #: Sampling gear: type: cobble	color: drab olive gray bulling	depth: 23.	H ₂ S petroleum other:	Comments:	Acceptable sample (circle)		
(Subsample #: Sampling gear: type: cobble gravet sand M F	color: drab olive gray burilu	odor: none slight moderate	H ₂ S petroleum other: SUGEN IV	Comments:	Acceptable sample (circle)		
. (Subsample #: Sampling gear: type: cobble gravel sand: M F	color: drab olive gray buttle black brown TOP	odor: none slight moderate strong overwhelming	H ₂ S petroleum other: stiant successive a who	Comments:	Acceptable sample (circle) T+T 32 - 130 19 - 469	(ves) no	
. (Subsample #: Sampling gear: type: cobble gravel sand M F silt day organic matter	color: drab olive gray bullu black brown TOF brown surface	odor: none slight moderate strong overwhelming	H ₂ S petroleum other: stiant successive a who	Comments: 47, 122	Acceptable sample (circle) T + T 32 - 130 19 - 469 [Y & [4 a_ Time: Acceptable sample	(ves) no	
(Subsample #: Sampling gear: type: cobble gravel sand M F silt day organic matter Subsample #: Sampling gear:	color: drab olive gray bullul black prown 101 brown surface 9 Sample	odor: none slight moderate strong overwhelming depth: 24	H ₂ S petroleum other: stiant successive a who	Comments: Y7 J22 on depth	Acceptable sample (circle) 32 130 19 469 [Y & U a Time: Acceptable sample (circle)	(ves) no	
	Subsample #: Sampling gear: type: cobble gravel sand: M F silt play organic matter Subsample #: Sampling gear:	color: drab olive gray bullin black brown TOI brown surface G Sample	odor: none slight moderate strong overwhelming depth: 24	H ₂ S petroleum other: SUGUIT GUGUITO Renetrati	Comments: 47, 122	Acceptable sample (circle) 32 130 19 469 [Y & [Y a Time: Acceptable sample (circle)	(ves) no	
	Subsample #: Sampling gear: type: cobble gravel sand: M F silt day organic matter Subsample #: Sampling gear: type: cobble	color: drab olive aray bulling black brown for brown surface Q Sample color: drab olive	odor: none slight moderate strong overwhelming depth: 24	H ₂ S petroleum other: SUGM SUGMIN GUGMIN Penetrati H ₂ S	Comments: Y7 J22 on depth	Acceptable sample (circle) 32 130 19 469 [Y & U a Time: Acceptable sample (circle)	(ves) no	
1 1	Subsample #: Sampling gear: type: cobble gravel sand: M F slit day organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray button black brown top brown surface G Sample color: drab olive gray button	odor: none slight moderate strong overwhelming depth: 24 odor: none slight	H ₂ S petroleum other: successive i auto Penetrati H ₂ S petroleum	Y7 122 on depth Comments:	Acceptable sample (circle) T + T 32 - 130 19 - 469 [Y & [Y a Time: Acceptable sample (circle)]	(ves) no	
	Subsample #: Sampling gear: type: cobble gravel sand M F silt day organic matter Subsample #: Sampling gear: type: cobble gravel sand M F	color: drab olive gray burnin black brown toll brown surface G Sample color: drab olive gray burnin black	odor: none slight moderate strong overwhelming depth: 2 4 odor: none slight moderate	H ₂ S petroleum other: SUGM SUGMIN GUGMIN Penetrati H ₂ S	Comments: Y7 J22 on depth	Acceptable sample (circle) T + T 32 - 130 19 - 469 [Y & [Y a Time: Acceptable sample (circle)	(ves) no	
	Subsample #: Sampling gear: type: cobble gravel sand: M F slit day organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive pray burner black frown Tor brown surface G Sample color: drab olive gray burner black	odor: none slight moderate strong overwhelming depth: 24 odor: none slight	H ₂ S petroleum other: successive i auto Penetrati H ₂ S petroleum	Y7 122 on depth Comments:	Acceptable sample (circle) T + T 32 - 130 19 - 469 [Y & [Y a Time: Acceptable sample (circle)]	(ves) no	

Win	Ward LC
	environmental LLC

Project Name:	٨D	w	Pro no.	ject				
Date:	1245	- 1630	Sta	tion:		BPb		
Start/Stop time:				_	X:			
Sampling	. 1	1		-	Y:			
Method:	VAW	100v		-				
Weather:	المراد الم	•	San ID:	nple		•		
Crew: R	yan l suny a, cu, T	D. WA	10.			 		
01ew	u, un	DI NAN						
Subsample #:	Sample	depth: 41	Penetrati	on dept		5,18cm		1245
Sampling gear:					Acc (cire	eptable sa de)	mple (yes no
type:	color:	odor:		Comm	nents:	π + α		
cobble	drab olive	none	H ₂ S			11 10		
gravel		slight	petroleum		l sm	7 31.	134	
(sand)C M(F)	black soliun	moderate	other.		•			
(silt)clay	Grown 100	strong			12	2 18.	334	339
organic matter	brown surface	overwhelming	<u></u> :			OW 82		· · · ·
Subsample #:	Sample	depth: 51	Penetrati	ion dep		4,15	Time:	1 2 0 2 2 2 2
Sampling gear:						ceptable s rcle)	ample	(es³) no
type:	color:	odor:		Comn	nents:	ALOUE	Ow it	0/0
cobble .	drab olive	none	H₂S					
gravel	gray	slight	petroleum			1-	tC.	
Sand C MF	black by Moch	moderate	other:		4	7 31.	134	
silt clay	Grown DP	strong				λ <i>1</i> β		
organic matter	brown surface	overwhelming		<u></u>				
Subsample #:	3 Sample	depth: (<u>5_1</u>	Penetrat	ion dep			3	1355
Sampling gear:						ceptable s ircle)	sample	(yes) no
type:	color:	odor:		Comn	nents:			
cobble	drab olive	none	H ₂ S			ጥ + (
gravel	(gray)	slight	petroleum		A Cost	TtC & Ow	TOV	,
sand C M(F)	Glack Corley	moderate	other:			31,13		
(silt clay	Brown WV	strong		1	4/7	51.12)()	
organic matter	brown surface	overwhelming	•	ı,	133	18.3	0.7	-



Project Name:)	Pro no.	ject		
Date:	21101	04 04		tion:		BPb
Start/Stop time:	12.48	1630			X:	ر بری
Sampling Method:	11.4.				Y:	
Weather:	Vopo	NEW	Sai	mple		
Vicauloi.	SUNWY	•	ID:			
Crew:	a, cui	o, wh				
						· · · · · · · · · · · · · · · · · · ·
Subsample #:	Y Sample	depth:	Penetrat	ion dep	th	Time: 1430
Sampling gear:		•				Acceptable sample (circle) yes (no)
type:	color:	odor:		Comr	nents:	
cobble	drab olive	none	H₂S			
gravel	gray	slight	petroleum			
sand C M F	black	moderate	other:		4	1331,135
silt clay	brown	strong			1	22 LP 337
organic matter	brown surface	overwhelming			ı	~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~
Subsample #:	5 Sample	depth: 4-5	/Penetrat	ion dep	th _	15,15 cm Time: 1436
Sampling gear:		•				Acceptable sample (ves) no (circle)
type:	color:	odor:		Comr	nents:	
cobble	drab olive	(fone)	H₂S			THE
gravel	(m)	slight	petroleum	Ac	692	on rop
sand C MF	black bollon	moderate	other:			47 31, 133
Silt clay	Drown Top	strong				*1.1
organic matter	brown surface	overwhelming				122 18.339
Subsample #:	Sample	depth: 41	Penetrat	ion dep	th _	Time: 15 06
Sampling gear:	·					Acceptable sample yes (no) (circle)
type:	color:	odor:		Comr	nents:	
cobble	drab olive	none	H ₂ S			
gravel	gray	slight	petroleum			
sạnd C M F	black	moderate	other:		.راد	7 7 1 125
silt clay	brown	strong				731.135
organic matter	brown surface	overwhelming		<u> </u>	122	L IP. 335



Date: P[1910 Y Station: BP b	
Start/Stop time: 1245 - 1630 X: Sampling Method: VAW VOCW Weather: Sample ID:	
Sampling Method: VAW VOCW Sample BUWWY ID:	
Weather: Sample ID:	
30WW ID:	
Crew: BG CH, TD WA	
olem. Bu Cu, I p win	
Subsample #: "2 Sample depth: 5 Penetration depth 14 to Time:	<u> </u>
Sampling gear:	2/5
(circle)	s) no
type: color: odor: Comments:	
cobble drab ofive hone H ₂ S	
gravel gray slight petroleum Accept on My	
Sand CMF black Suffin moderate other: 47 -31 - 134	
Silvery of Salong	
organic matter brown surface overwhelming 122, 14, 332	
Subsample #: Sample depth: 59 Penetration depth Time:	1530
Sampling gear: Acceptable sample ye (circle)	s (no)
type: color: odor: Comments:	
cobble drab olive none H ₂ S	
gravel gray slight petroleum	
sand C M F black moderate other: 47 31 133	
silt clay brown strong strong 122 1.P. 332	
organic matter brown surface overwhelming	
Subsample #: Q Sample depth: (Penetration depth M, M. c., Time:	535
Sampling gear: Acceptable sample ye (circle)	
type: color: odor: Comments:	
cobble drab ofive none H ₂ S	
gravel (gray) slight petroleum floor ow too	
gravel (sand C MF) (sait blay (strong)	i
Silt clay brown out or brown surface accomplaint 122 18 338	
organic matter brown surface overwhelming	7



Date: Start/Stop time: D. Y.S 16.36 X: Sampling Method: Veather: Sample ID: Crew: R.G. C.H. T.D. F.M. Subsample #: Sample depth: G. 3' Penetration depth I'Y S. Time: 16.05 No. 16.16	•	Project Name:		-DW	no.	oject		
Start/Stop time: Sampling Method: Weather: Subsample #: Subsample #: Sampling gear: Crew: Color: Color: Color: Comments: Comme		Date:	816	2/04	Sta	ation:	RAB	
Sampling Method: Weather: Summer ID: Crew: ACCEPTABLE Sample #: Sampling gear: Subsample #: Sampling gear: Subsampling gear: Coolor: Coobble Grab olive Figure Sample depth: Sampling gear: Comments: Acceptable sample yes no (circle) Comments: Comme		Start/Stop time:	1245	- 1636		X:		
Crew: RG CH TO, HM Subsample #: 10 Sample depth: G.3' Penetration depth 14 So, Time: 1605 Sampling gear: Color: Odor: Comments: Acceptable sample (circle) type: color: Odor: Comments: 133 overwhelming Comments: Com		Sampling Method:	U/W I		/	Y:		
Subsample #: 10 Sample depth: 6.3' Penetration depth 14 Settime: 16 th Sampling gear: Comments:		Weather:		<i>y</i> -	Sa	mple		
Subsample #:					ID:		<u> </u>	
Sampling gear: Color: Color: Comments:		Crew: TO	, CH, TO	1.68A	······································	· · · · · · · · · · · · · · · · · · ·	1.000	
Sampling gear: Color: Color: Comments:		Subsample #:	IO Sample	depth: C	3' Penetral	ion depth	14 15 to Time:	16.105
cobble drab olive slight petroleum other: siliclay organic matter brown surface overwhelming organic matter sample depth: Sampling gear: cobble drab olive none H2S gravel gray slight petroleum organic matter brown surface overwhelming organic matter other: Subsample #: Sample depth: Penetration depth Time: Cobble drab olive none H2S gravel gray slight petroleum sand C M F black moderate other: Silit clay brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Comments: Acceptable sample yes no (circle) Time: Acceptable sample yes no (circle) Acceptable sample yes no (circle) Time: Comments: Comments: Comments: Acceptable sample yes no (circle) Acceptable sample yes no (circle) Acceptable sample yes no (circle) Time: Acceptable sample yes no (circle)		Sampling gear:					Acceptable sample	
gravel black brown surface overwhelming gravel brown surface overwhelming subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle)		type:	color:	odor:	_	Comments:		
sand C M brown surface overwhelming organic matter brown surface overwhelming organic matter brown surface overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming overwhelming organic matter overwhelming organic matter overwhelming organic matter overwhelming organic matter overwhelming organic matter overwhelming overwhelming organic matter overwhelming organic matter overwhelming overwhelming overwhelming organic matter overwhelming overwhelming organic matter overwhelming overwhelmi		cobble	drab olive	(ODE	H₂S		TTT	
organic matter Subsample #: Sampling gear: Cobble drab olive none strong organic matter brown surface overwhelming Subsample #: Sampling gear: Cobble drab olive none H ₂ S gravel gray slight petroleum organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Acceptable sample yes no (circle) Comments: Comments: Acceptable sample ves no (circle) Time: Acceptable sample wes no (circle) Fenetration depth Time: Acceptable sample yes no (circle) Acceptable sample ves no (circle) Time: Acceptable sample ves no (circle) Sampling gear: Comments: Acceptable sample ves no (circle) Time: Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle) Acceptable sample ves no (circle)		·		slight	petroleum		, ,	
organic matter brown surface overwhelming overwhelming 122 18 336 Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: type: color: odor: Comments: type: color: odor: Comments: sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: sampling gear: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: sampling gear: Comments: sampling gear: Comments: sampling gear: Comments: sampling gear: Comments: sampling gear: Comments: sampling gear: Color: C		€año CMF		moderate	other:	İ	01 13	3
Subsample #: Sample depth: Penetration depth Time: Sampling gear: Color: Acceptable sample yes no (circle) type: color: Odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: Color: Odor: Comments: type: color: Odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong slight petroleum sand C M F black moderate other: silt clay brown strong strong		Silvclay	brown VO	strong			1000	
Sampling gear: Acceptable sample yes no		organic matter	brown surface	overwhelming	/		1/2 $1/2$, 2 :	>₹
type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		Subsample #:	Sample	depth:	Penetrat	ion depth	Time:	
cobble gravel gray slight petroleum sand C M F black moderate other: silt clay brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		Sampling gear:				-		yes no
gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		type:	color:	odor:		Comments:		
sand C M F silt clay organic matter Subsample #: Sampling gear: Color: Color: Comments: Cobble gravel gray slight petroleum sand C M F silt clay brown surface overwhelming Sampling was provided by the color of the c		cobble				1 /		
silt clay brown strong organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong			drab olive	none	H₂S	<i>f</i>		
organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		gravel				/		
Subsample #: Sample depth: Penetration depth Time: Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: sit clay brown strong		•	gray	slight	petroleum	,		
Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		sand C M F	gray black	slight moderate	petroleum			
type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		sand C M F silt clay	gray black brown	slight moderate strong	petroleum	,		i na Mari
cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		sand C M F silt clay organic matter	gray black brown brown surface	slight moderate strong overwhelming depth:	petroleum other:	ion depth	Time:	2 22
gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong		sand C M F silt clay organic matter Subsample #:	gray black brown brown surface	slight moderate strong overwhelming depth:	petroleum other:	ion depth	Acceptable sample	
sand C M F black moderate other: silt clay brown strong		sand C M F silt clay organic matter Subsample #: Sampling gear:	gray black brown brown surface Sample	slight moderate strong overwhelming depth:	petroleum other:		Acceptable sample	
silt clay brown strong		sand C M F silt clay organic matter Subsample #: Sampling gear: type:	gray black brown brown surface Sample	slight moderate strong overwhelming depth:	petroleum other: Penetrat		Acceptable sample	
silt clay brown strong		sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	gray black brown brown surface Sample color: drab olive	slight moderate strong overwhelming depth: odor: none	petroleum other: Penetrat		Acceptable sample	
organia mottar brown ourfree overwholming		sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	gray black brown brown surface Sample color: drab olive gray	slight moderate strong overwhelming depth: odor: none slight	petroleum other: Penetrati H ₂ S petroleum		Acceptable sample	
organic matter brown surface overwhellining		sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay	gray black brown brown surface Sample color: drab olive gray black	slight moderate strong overwhelming depth: odor: none slight moderate strong	petroleum other: Penetrati H ₂ S petroleum		Acceptable sample	



Project Name:			Pro no	oject	•	
Date:	8/11	104		· ation:	396	· · · · · ·
Start/Stop time:	1355 -	(X:	<u> </u>	
Sampling Method:		Voen		Y :		
Weather:			Sa	mple		
	Sowny		ID:			
Crew: T	C, Du, CH	un	—— v			, w
Subsample #:	Sample	e depth: D	Penetra	tion depth	11+12on Time	: 1420
Sampling gear:		,			Acceptable sample (circle)	yes no
type:	color;	odor:		Comments	;	······································
cobble	drab ofive	none	H₂S] -	TAT	
gravel	(grây)	slight	petroleum		, c 4	
sand C M F	black	moderate	other:		•	
(silt clay)	(brown)	strong				
organic matter	brown surface	overwhelming				
Subsample #:	2 Sample	depth:	Penetrat	ion depth	72+Pm Time	1440
Sampling gear:			_ 		Acceptable sample (circle)	
type:	color:	odor:		Comments		
cobble	drab olive	(none)	H₂S		T / C	
gravel	gray	slight	petroleum		THE	
sand CMF	black	moderate	other:		•	·
sitt clay	brown)	strong	•		•	
organic matter	brown surface	overwhelming			•	_
Subsample #:	3 Sample	depth:	Penetrat	ion depth	ならり Time	:1450
Sampling gear.				•	Acceptable sample (circle)	yes no
type:	color:	odor:		Comments	*	
cobble	drab olive	(fone)	H₂S	ا		
gravel	(Gray)	slight	petroleum	()	`+ [
sand C M F	black	moderate	other:			
(silt clay)	(prown)	strong	1 0.			
organic matter	brown surface	overwhelming				
Jab#1	47 31.3	3.29 N	122	18,420	, W	
Asids	47 21 2	25	(1)2	18,42	َّرا∮ٍ	
9047	47 31.3	223	15			* 2
Jup43	41.011	J (*	イダイ	18,410		



Project Name:	204)	Proj no.	ect	_			
Date:	2 Du 8/11/04		Stat	ion:		B96		
Start/Stop time:	4 11101				X:			
· -					Y:			
Sampling Method:	·							
Weather:			San ID:	nple		,		
	UNNY					• •		
Crew: D	CIRBIC	u, wa						
						Time:		1
Subsample #:	Y Sample	depth:	Penetrati	on de	oth F			0
Sampling gear.	•			_		Acceptable sample (circle)	yes	(no)
type:	color:	odor:		Com	ments:]
cobble	drab olive	none	H₂S					
gravel	gray	slight	petroleum					1
sand C M F	black	moderate	other:					- 1
silt clay	brown-	strong			,			
organic matter	brown surface	overwhelming						
Organist interes								
Subsample #:	Sample	depth:	Penetrat	ion de	pth	Time:		
	Sample	depth:	Penetral	ion de	pth	Acceptable sample (circle)	yes	no
Subsample #: Sampling gear:	Sample color:	depth:	Penetral		pth ments	Acceptable sample (circle)	yes	no
Subsample #:			Penetrat			Acceptable sample (circle)	yes	no
Subsample #: Sampling gear: type: cobble	color:	odor:				Acceptable sample (circle)	yes	no
Subsample #: Sampling gear: type:	color: drab olive	odor:	H₂S			Acceptable sample (circle)	yes	no
Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray	odor: none slight	H ₂ S petroleum			Acceptable sample (circle)	yes	no
Subsample #: Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black	odor: none slight moderate	H ₂ S petroleum other:	Con	nments	Acceptable sample (circle)	yes	no
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay	color: drab olive gray black brown brown surface	odor: none slight moderate strong	H ₂ S petroleum	Con	nments	Acceptable sample (circle)		
Subsample #: Sampling gear: type: cobble gravel sand C M F sitt clay organic matter	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Con	nments	Acceptable sample (circle)	yes	
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear:	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Con	nments	Acceptable sample (circle) Time: Acceptable sample (circle)		
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type:	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming e depth:	H ₂ S petroleum other:	Con	epth	Acceptable sample (circle) Time: Acceptable sample (circle)		
Subsample #: Sampling gear: type: cobble gravel sand C M F sitt clay organic matter Subsample #: Sampling gear: type: cobble	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming depth:	H ₂ S petroleum other: Penetra	Con	epth	Acceptable sample (circle) Time: Acceptable sample (circle)		
Subsample #: Sampling gear: type: cobble gravel sand C M F sitt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming edepth: odor: none	H ₂ S petroleum other: Penetra	Con	epth	Acceptable sample (circle) Time: Acceptable sample (circle)		
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black brown brown surface Sample color: drab olive gray	odor: none slight moderate strong overwhelming e depth: odor: none slight	H ₂ S petroleum other: Penetra H ₂ S petroleum	Con	epth	Acceptable sample (circle) Time: Acceptable sample (circle)		
Subsample #: Sampling gear: type: cobble gravel sand C M F sitt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black brown brown surface Sample color: drab olive gray black	odor: none slight moderate strong overwhelming e depth: odor: none slight moderate strong	H ₂ S petroleum other: Penetra H ₂ S petroleum	Con	epth	Acceptable sample (circle) Time: Acceptable sample (circle)		

GWB #4 47 31.324 122 18.419 LEDOLAD

Wind	Ward
em	Aronmental

Project Name:	, ~			pject
	<u> </u>	<u>ψ</u>	no.	
Date:	18 C	104	Sta	ition: <u>B9b</u>
Start/Stop time:	<u>450</u>			<u>X:</u>
Sampling Method:	VAW	Ver		Y:
Weather:			Sai	mple
<u>_</u>	owny		ID:	2 nd samplina louns
Crew:	LBG BC	MA		
	•		•	
Subsample #:	6 Sample	depth: 10 - 12	Penetrat	ion depth 16+17cm Time: 950
Sampling gear:				Acceptable sample yes (no)
	· y			(cîrcle) yes (10)
type:	color:	odor:		Comments: Very how Tide - move
cobble	drab olive	none	H ₂ S	,
gravel	gray	slight	petroleum	SIMPLOW OUT TO Avoir
sand C M F	black	moderate	other:	KIEWANTO UP Scamer
silt clay	brown	strong		47.31.326
organic matter	brown surface	overwhelming		122-18:435 E HOURD OUT AUST 120-
Subsample #:	7 Sample	depth: 6-12	Penetrat	ion depth 13an Time: 1010
Sampling gear:				Acceptable sample (yes) no
				(circle)
type:	color:	odor:		Comments:
cobble	drab olive	(none)	H ₂ S	ONLY 1 GILAS USED FOR
gravel	(gray)	slight	petroleum	113306
sand C M F	(black) 60 Man	moderate -	other:	47 31.327 -
(silt clay)	STOWN TOP	strong		122 18.430
organic matter	brown surface	overwhelming		122 17,730
Subsample #:	Sample	depth: 10-1255	? Penetrat	ion depth TOD WULL Time: 1035
Sampling gear:				Acceptable sample yes no
				(circle)
type:	color:	odor:		Comments:
cobble	drab olive	none	H ₂ S	
gravel	gray	slight	petroleum	
sand C M F	black	moderate	other:	47 31. 326
silt clay	brown	strong		122 1P. Y3P
organic matter	brown surface	overwheiming		125 14, 134



Project ivame:	LDO	w)	Pro no.	piect	
Date:	8	13/04	Sta	ition:	69 b
Start/Stop time:				X:	**,
Sampling Method:				Y:	
Weather:				mple	
	SOWNY 4. Ba,BC,		ID:		
Crew:	M, BU,BC,	<u>ur</u>			
			<u></u>		
Subsample #:	Sample	depth:	Penetrat	ion depth	15 2/6 ex Time: (100)
Sampling gear:					Acceptable sample (dirde) no
type:	color:	odor:		Comments	
cobbie	drab olive	· ·	;H₂S		T+C
gravel	(gray)		petroleum	_	
sand C M F	black surrey	• • • • • • • • • • • • • • • • • • • •	other:	ر	17, 31, 326
silt clay	brown) TON	strong			12 18 433
A TOTAL PROPERTY	brown surface	overwhelming :	_		YY 11.
organic matter			ş		<u> </u>
Subsample #:		depth://o-ft	Penetrati	ion depth	158 18 cu Time: 12/0
	(6 Sample		Penetrati	ion depth	Acceptable sample (yes) no
Subsample #: Sampling gear:	(O Sample	depth: (O. 12	Penetrat		Acceptable sample (yes) no (circle)
Subsample #: Sampling gear: type:	Color:	depth://o-n	÷ >	ion depth	Acceptable sample (yes) no (circle)
Subsample #: Sampling gear: type: cobble	Color: Color:	odor:	H ₂ S _	Comments	Acceptable sample (yes) no (circle)
Subsample #: Sampling gear: type: cobble gravel	color: drab olive	odor:	H ₂ S _	Comments	Acceptable sample (yes) no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C M F	colof: drab olive Gray Diack	odor: (none) slight moderate	H ₂ S _	Comments Y	Acceptable sample (yes) no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black Bo/104 brown 104	odor: none slight moderate strong	H ₂ S _	Comments Y	Acceptable sample (yes) no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter	color: drab olive gray black bo/104 brown 104 brown surface	odor: none slight moderate strong overwhelming	H ₂ S _ petroleum other:	Comments 47	Acceptable sample (yes) no (circle) T+C 7 31. 326 L IP, Y29.
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #:	color: drab olive gray black Bo/104 brown 104	odor: none slight moderate strong overwhelming	H ₂ S _	Comments 47	Acceptable sample (yes) no (circle) T+C 7 31. 326 LIP, 429. 15 e CT cu Time: 15 00
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter	color: drab olive gray black bo/104 brown 104 brown surface	odor: none slight moderate strong overwhelming	H ₂ S _ petroleum other:	Comments 47	Acceptable sample (yes) no (circle) T+C 7 31. 326 L IP, Y29.
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #:	color: drab olive gray black bo/104 brown 104 brown surface	odor: none slight moderate strong overwhelming	H ₂ S _ petroleum other:	Comments 47	Acceptable sample (yes) no (circle) T+C 7 31. 326 IF, Y29. IS a CT cu Time: 15 oro Acceptable sample yes no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear:	color: drab olive (black) Bo/10 a brown 10 v brown surface (Sample color: drab olive	odor: none slight moderate strong overwhelming depth: 10-(2	H ₂ S _ petroleum other:	Comments Y 122 ion depth	Acceptable sample (yes) no (circle) T+C 7 31. 326 IF, Y29. IS a CT cu Time: 15 oro Acceptable sample yes no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black Be/10 brown surface Sample color: drab olive gray	odor: none slight moderate strong overwhelming depth: 10-12	H ₂ S _ petroleum other:	Comments Y 122 ion depth	Acceptable sample (yes) no (circle) T+C 7 31. 326 IF, Y29. IS a CT cu Time: 15 oro Acceptable sample yes no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	color: drab olive gray brown 101 brown surface Sample color: drab olive gray black Bollou,	odor: none slight moderate strong overwhelming depth: 10-12 odor: none slight moderate	H ₂ S petroleum other: Penetrati H ₂ S	Comments 122 on depth Comments	Acceptable sample (yes) no (circle) T+C 7 31. 326 18. 429. IS elit cu Time: 13 oro (circle) Acceptable sample yes no (circle)
Subsample #: Sampling gear: type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black Be/10 brown surface Sample color: drab olive gray	odor: none slight moderate strong overwhelming depth: 10-12 odor: none slight	H ₂ S petroleum other: Penetrati H ₂ S petroleum	Comments:	Acceptable sample (yes) no (circle) T+C 7 31. 326 IF, Y29. IS a CT cu Time: 15 oro Acceptable sample yes no (circle)



Project Name:	Lj	ow)	· P	roject o.	
Date:	8/1	9/124		tation:	B10b
Start/Stop time:	0835 -	1210			X:
Sampling Method:	Tender .		······································		Y:
Weather:	A	-		ample	
Crew:	SUWWY D, BG, CH	, ua	<u> </u>);	
Subsample #:] Sample	depth:) Penetra	ation dep	oth 11,1/2 Time: MP35
Sampling gear:				·	Acceptable sample (circle) (yes) no
type:	color:	odor;	, <u>,, -,-</u>	Com	nents:
cobble	drab olive	none	H₂S		CfT
gravel	gray	slight	petroleum	40	ode layer ow tol
sana C M/F	black	moderate	other:		47 30. gpy
silt clay	(brown)	strong			100
organic matter	brown surface	overwhelming			122 14. 364
Subsample #: Sampling gear:	2 Sample	depth: 9	Penetra	ation dep	Acceptable sample (yes) no (circle)
type:	color:	odor:		Comr	nents:
cobble	drab olive	(none)	H ₂ S	7	ct?
gravel	gray	slight	petroleum		47 30,984
(sand CM)≓	black	moderate	other:		• •
sitt clay	brown	strong .			122 M.364
organic matter	brown surface	overwhelming			CONTON
Subsample #:	. 3 Sample	depth: 3.1	Penetra	tion dep	th 10,11m Time: 00435
Sampling gear:					Acceptable sample (yes) no-
type:	color:	odor:		Comr	nents: MCCAS ow for
cobble	drab olive	(rone)	H₂S		TtC
gravel	gray	slight	petroleum		· ·
®©MF	black	moderate	other:		YR 30. 984
silt clay	(brown)	strong	•		122 49, 365
organic matter	brown surface	overwhelming		<u> </u>	122 48, 368



Project Name:	1.1	sid .	Pro no.	ject		
Date:	8/10	lou	·	tion:		X/0b
Start/Stop time:	435 -	12/0		· · · · · —	X:	proo
Sampling					Y:	
Method:	VAW V	TON			••	
Weather:		*	Sat	nple –		
	SUNNY		ID:			
Crew: <u>B(</u>	i, CU, TO	cet				
Subsample #:	<u> </u>	depth:	/ Penetrat	ion depth	·	11.11a Time: 1005
Sampling gear:						ceptable sample
	T		• .			rde) yes no
type:	color:	odor:	11.0	Comme	ents:	THE
cobble	drab olive	none	H₂S		MI Park	· · · · · · · · · · · · · · · · · · ·
gravel	gray	slight	petroleum		HILOM	
sand C M)F	black	moderate	other:		47	30. 984
silt clay	(brown)	strong				L 18. 365
•ia						
organic matter	brown surface	overwhelming		. 1		
Subsample #:	5 Sample	<u>' </u>	Penetrat	ion depth	1	1, 12cc Time: 1035
		<u>' </u>	Penetrat	ion depth	I A	
Subsample #:		<u>' </u>	Penetrat	ion depth	A (c	1, 12ca Time: 1035 cceptable sample (res) no
Subsample #: Sampling gear:	5 Sample	depth: フナ	Penetrat		A (c	1, 12ca Time: 1035 cceptable sample (res) no
Subsample #: Sampling gear: type:	5 Sample	odor:			A (c	1, 12cr Time: 1035 cceptable sample (es) no sircle)
Subsample #: Sampling gear: type: cobble	Sample color: drab olive	odor:	H₂S		A (co	Coeptable sample (es) no circle)
Subsample #: Sampling gear: type: cobble gravel	5 Sample color: drab olive gray	odor:	H₂S petroleum	Comme	A (co	cceptable sample (es) no ircle) THOME CONTINUE 30, 984
Subsample #: Sampling gear: type: cobble gravel sand C M/F	color: drab olive gray black	odor: none slight moderate	H₂S petroleum	Comme	A (co	Coeptable sample (es) no circle)
Subsample #: Sampling gear: type: cobble gravel sand C M/F silt clay	color: drab olive gray black brown	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Comme	A (d) ents: 19 6 17	cceptable sample (es) no ircle) THOME CONTINUE 30, 984
Subsample #: Sampling gear: type: cobble gravel sand C M/F silt clay organic matter	color: drab olive gray black brown	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Comme	A (c)	Coeptable sample (es) no circle) THOME CW W 30. 984 IS: 364 Time: 1100 Coeptable sample yes (no)
Subsample #: Sampling gear: type: cobble gravel sand C MF silt clay organic matter Subsample #: Sampling gear:	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming depth:	H ₂ S petroleum other:	Comme	A (c)	Coeptable sample (es) no circle) THOME CW W 30. 984 18:364
Subsample #: Sampling gear: type: cobble gravel sand C M/F silt clay organic matter Subsample #: Sampling gear: type:	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming depth:	H ₂ S petroleum other: Penetrat	Comme	A (c)	Coeptable sample (es) no circle) THOME CW W 30. 984 IS: 364 Time: 1100 Coeptable sample yes (no)
Subsample #: Sampling gear: type: cobble gravel sand C M/F silt clay organic matter Subsample #: Sampling gear: type: cobble	color: drab olive gray black brown brown surface Sample color: drab olive	odor: none slight moderate strong overwhelming depth: odor: none	H ₂ S petroleum other:	Comme	A (c)	Coeptable sample (es) no circle) THOME CW W 30. 984 IS: 364 Time: 1100 Coeptable sample yes (no)
Subsample #: Sampling gear: type: cobble gravel sand C M/F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black brown brown surface Sample color: drab olive gray	odor: none slight moderate strong overwhelming depth: odor: none slight	H ₂ S petroleum other: Penetrat H ₂ S petroleum	Comme	A (conts:	Coceptable sample (es) no sircle) THOME CONTRACT 30. 984 IS 364 Time: 1100 coceptable sample yes (no)
Subsample #: Sampling gear: type: cobble gravel sand C M/F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black brown brown surface Sample color: drab olive gray black	odor: none slight moderate strong overwhelming depth: odor: none slight moderate	H ₂ S petroleum other:	Comme	A (conts: 1966 177 122 A (conts:	Coeptable sample (es) no circle) THOME CONTROL 30. 984 Is 364 Time: 1100 cceptable sample (es) no
Subsample #: Sampling gear: type: cobble gravel sand C M/F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black brown brown surface Sample color: drab olive gray	odor: none slight moderate strong overwhelming depth: odor: none slight	H ₂ S petroleum other: Penetrat H ₂ S petroleum	Comme	A (conts: 1966 177 122 A (conts:	Coceptable sample (es) no sircle) THOME CONTRACT 30. 984 IS 364 Time: 1100 coceptable sample yes (no)



Project Name:	. /	Dial	Pro no.	ject					
Date:	2/	9/04		tion:		73	10h		
Start/Stop time:	- 572°	- 1270		idon.	X:	<u>1</u>	100		
Sampling	A 72 -	1210		,	^· Y:				
Method:	Van	Von			1.				
Weather:		~	Sar	mple					
	VAN SUNNY CH, TD,	(ID:						
Crew: BC	CY, TD.	nen					·		
Subsample #:	7 Sample	depth: 61	Penetrat	ion dep	th	10.1/2	Cin Time:	110	5
Sampling gear:		1:				Acceptabl	e sample	/2%	no
<u> </u>	·····	·		,	L	(circle)		<u> </u>	
type:	color:	odor:		Comn	nents:				
cobble	drab olive	(none)	H₂S				1 +1		
gravel	gray	slight	petroleum		n	७५४	Ow 12	20	
sand C MF	black	moderate	other:		,	17 30	2 98	Ч.	. [
silt clay ((brown)	strong	,		٠,	77	2 96° 12 96° 36°	c/	
organic matter	brown surface	overwhelming						<i>'</i>	
Subsample #.	Sample	depth: 4 ½	Penetrat	ion dep	th _	100r	Time:	11	40
Sampling gear:							le sample	yes	no
							•	,	
	T	· · · · · ·				(circle)		-	
type:	color:	odor;		Comn	nents:	(circle)		-	
cobble	drab olive	none	H ₂ S	Comn	nents:	(circle)	-		
cobble gravel	drab olive gray	none slight	petroleum	Comn	nents:	(circle)			
cobble gravel sand C M F	drab olive gray black	none slight moderate	_	Comn		T	-		
cobble gravel sand C M F silt clay	drab olive gray black brown	none slight moderate strong	petroleum	Comn	4	T 17- 30	- > . 9 8 8		
cobble gravel sand C M F silt clay organic matter	drab olive gray black	none slight moderate	petroleum other:		4	T 17- 30	-		
cobble gravel sand C M F silt clay organic matter Subsample #:	drab olive gray black brown	none slight moderate strong overwhelming	petroleum		4	7- 30 12- 1) . 948 V . 36 Time:		
cobble gravel sand C M F silt clay organic matter	drab olive gray black brown brown surface	none slight moderate strong overwhelming	petroleum other:		4	7- 3c 22 /) . 988 V . 36	~ Y	no
cobble gravel sand C M F silt clay organic matter Subsample #:	drab olive gray black brown brown surface	none slight moderate strong overwhelming	petroleum other:	ion dep	th	7- 30 12- 1) . 948 V . 36 Time:	~ Y	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear:	drab olive gray black brown brown surface Sample	none slight moderate strong overwhelming depth:	petroleum other:		th	7- 3c 22 /) . 948 V . 36 Time:	~ Y	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type:	drab olive gray black brown brown surface Sample	none slight moderate strong overwhelming depth: odor:	petroleum other: Penetrati	ion dep	th	7- 3c 22 /) . 948 V . 36 Time:	~ Y	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble	drab olive gray black brown brown surface Sample color: drab olive	none slight moderate strong overwhelming depth: odor: none	petroleum other: Penetrati	ion dep	th	7- 3c 22 /) . 948 V . 36 Time:	~ Y	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	drab olive gray black brown brown surface Sample color: drab olive gray	none slight moderate strong overwhelming depth: odor: none slight	petroleum other: Penetrati H ₂ S petroleum	ion dep	th	7- 3c 22 /) . 948 V . 36 Time:	~ Y	
cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	drab olive gray black brown brown surface Sample color: drab olive gray black	none slight moderate strong overwhelming depth: odor: none slight moderate	petroleum other: Penetrati H ₂ S petroleum	ion dep	th	7- 3c 22 /) . 948 V . 36 Time:	~ Y	



Project Name:	, 1) / (2)		oject				
Date:) W	no.	ation:		BCI	2 -7	
Start/Stop time:		20/04	Old	auori.	X:	80	<u>Γ Α</u>	
· .	1005	<u> </u>			Y:			
Sampling Method:	VAW 1	lerin .			Υ;			
Weather:		•	Sa	mple				
	SUNNY	<u>/</u>	ID:			·		
Crew: 36	TO, WID		•					
<u></u>								
Subsample #:	Sample	depth: 39	Penetral	lion dep	th _	170	Time:	1015
Sampling gear:						Acceptable (circle)		yes no
type:	color:	odor		Comn	nents:		0	
cobble	drab olive	none	H₂S					1.5
gravel	(gray)	slight	petroleum				747	•
sand C M F	(black)	moderate	other:	9	47	32.	4 4 1	
(silt clay)	brown	strong	scent sucon		12	200	233	
organic matter	brown surface	overwhelming	> ~ (CC . m)					•
Subsample #:	ス Sample	depth: 39	Penetrat	ion dep	th -	170	Time:	1040
Sampling gear.		•,				Acceptab	le sample	ves no
type:	color:	odor; .		Сотп	gents:	(Choic)		
cobble	drab olive	none	H₂\$				\mathcal{C}	
gravel	(gray)	slight	petroleum					
sand C M F	black	moderate	other:			. 21	Project a free	
silt clay	brown	strong			41	7 32,		
organic matter	brown surface	overwhelming			12	2 20	. ス33	-
Subsample #:	′2 Sample		7 Penetrat	ion dep	th	· · · · · · · · · · · · · · · · · · ·	Time:	1105
Sampling gear:				•	٦	Acceptab	 te sample	yes (no)
						(circle)		
type:	color:	odor:		Comn	nents:			
cobble	drab olive	none	H ₂ S					
gravel	gray	sligḥt	petroleum				- · · ·	
sand C M F	black	moderate	other:	\	17	32	744	
silt clay	brown	strong	•	j	20	20.	232	
organic matter	brown surface	overwhelming						

Wind	Ward			***	· . -	
Project Name:	vironmental LLC	SURFACE	SEDIMENT (oject	ON FORM	
Date:	8/20 7-10	Tou		ation:مستسير	BCA-2	
Start/Stop time:	1005-	1140	.,.	∑ X	0	1,.
Sampling Method:	Voter 1	bon		Y:		
Weather:	SUWNY		Se ID	mple		
Crew:	4, TO, WIL					
Subsample #: Sampling gear:	-Sample	depth: 3	Penetra الالح	tion depth	12tcn Time: Acceptable sample (circle)	
type:	color:	odor:		Comments		
cobble	drab olive	(none)	H₂S		\mathcal{C}	·2.
gravel	(gray	slight	petroleum			
sand C M F	black	moderate	other:		47.32.744	٠,
(silt clay)	brown	strong				
organic matter	brown surface	overwhelmin	g		122 20 \$32	•
Subsample #:	Sample	depth:	Penetra	tion depth	Time:	
Sampling gear:				-	Acceptable sample (circle)	yes no
type:	color:	odor:		Comments		6
cobble	drab olive	none	H₂S	1		r
gravei	gray	slight	petroleum			
sand C M F	black	moderate	other:			•
silt clay	brown	strong				
organic matter	brown surface	overwhelmin	g			
Subsample #:	Sample	depth:	Penetra	tion depth	Time:	
Sampling gear:			···	نب	Acceptable sample (circle)	yes no

H₂S

other:

petroleum

color:

gray

black

brown

brown surface

drab olive

type:

cobble

gravel

silt clay

sand C M F

organic matter

odor:

попе

slight

strong

moderate

overwhelming

Comments:



Project Name:			Pro	ject			
	<i></i>	<u>v </u>	no.			A !!	
M até	4/50	<u>/04</u>	Sta	tion:	\mathcal{B}	CA - 4	
Start/Stop time:	1240	· 1400		_X:		•	
Sampling Method:	40.4	Voor		Y:	•		
	VAN	V.Cen		mple			
Weather:	Sunny		ID:	ipie			
Crew:	a. TO. MA						
	<u> </u>	<u> </u>					
Subsample #:	Sample	depth: 3&1	Penetrati	on depth		Time:	1240
Sampling gear.				. [Accepta	ible sample	ves (nd)
					(circle)		
type:	color:	odor:		Comments:	7111	DUEVOL	A 1
cobble	drab olive	none	H ₂ \$	IN	•	•	7 7 1
gravel	gray	slight	petroleum	•	run co		
sand C M F	black	moderate	other:	47	33,	66P	
silt clay	brown	strong		120	20.	7/4 20	
organic matter	brown surface	overwhelming					
Subsample #:	2 Sample	depth:	Penetrat	ion depth		Time:	1250
Sampling gear:		31			Accept (circle)	able sample	yes (no
				Comments:	<u> </u>	·	
type:	color:	odor:	11.0	MOUS.	STA	row io	BC
cobble	drab olive	none	H ₂ S	OUISE	oc i	etobe K	460
gravel	gray	slight	petroleum other:	WK	33.	652	
sand C M F	black	moderate	other:				
silt clay	brown	strong overwhelming			20	, +1CD	
organic matter	brown surface	<u> </u>	Donotroi	ion depth		Time:	1255
Subsample #:	Sample	depth: 30	Penenai	ion depui	Accen	table sample	yes fox
Sampling gear:					(circle)		ري
type:	color:	odor:		Comments	•		•
cobble	drab olive	none	H ₂ S				
gravel	gray	slight	petroleum				
sand C M F	black	moderate	other:	61.7	22	.650	Ì
silt clay	brown	strong					
organic matter	brown surface	overwhelming		127	. 2.O	722	i



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Project Name:	٢٧	(4)	Pro no.	ject	·
Date:	~ · ·	0/04	Sta	tion:	BCA-Y
Start/Stop time:	12.40	1400		X:	
Sampling Method:	V Au	• I		Y:	
Weather:	Buwn	~	Sar ID:	nple	
Crew: R	6, TO, 1				
Subsample #:	√ Sample	depth:	Penetrati	on depth	Time: 1305
Sampling gear.					Acceptable sample yes (circle)
type:	color:	odor:		Comments	Rolls
cobble	drab olive	none	H ₂ S		Kelks
gravel	gray	slight	petroleum		
sand C M F	black	moderate	other:	Ч	7.33.650
silt clay	brown	strong		1.	7.0 1.0 == 0.11
organic matter	brown surface	overwhelming		1-	42 20,724
Subsample #:	Sample	depth: <u>36</u>	Penetrati	ion depth	10an Time: 1320
Sampling gear:		ø .			Acceptable sample (yes) no (circle)
type:	color:	odor:		Comments	
cobble	drab olive (none	H₂S		<u>C</u> .
gravel	(gráy)	(slight A	petroleum		
Sand C MF	Clack W/N	moderate	other:	47	33. 640
silt clay	(brown) Of	strong		10	2 20723
organic matter	brown surface	overwhelming		10	a selfer and the selfer selfer selfer selfer selfer selfer selfer selfer selfer selfer selfer selfer selfer se
Subsample #:	Sample	depth: 📉 👸	/ Penetrati	ion depth	19en Time: 1828
Sampling gear:					Acceptable sample yes no (circle)
type:	color:	odor:	•	Comments	Brichy & mos to
cobble	drab olive	none	H ₂ S		
gravel	gray	slight	petroleum		5 22 INA
sand C M/F	black botter	moderate ,	other:	'	or 33.640
silt clay	brown TOV	strong 🍇	CALROWS	. 15	22 20.723
organic matter	brown surface	overwhelming		<i>L-</i> *	
•	7	35) !	loza	m 134
SAND C/M	GRAY 601	you won	g €	r *4	47 33.641
•	Brown R	ツゲ			122 20722



Date: 3117/04 Station: 3CM-5 Start/Stop time: 17-05 Sampling Method: Vigury Sample depth: 15 Penetration depth 13 m. Time: 17-05 Subsample #: Sample depth: 15 Penetration depth 13 m. Time: 17-05 Subsample #: Sample depth: 15 Penetration depth Acceptable sample (65) no (circle) Type: color: odor: Comments: Y7 \$2.456 C	Project Name:		1 t	Proje	ect		
Start/Stop time: 17-00 X: Sampling Method: VAN Van Van Van Van Van Van Van Van Van Van	Date	015/	LDW	no.			
Sampling Method: Weather: SUBSAMPLE SUBSAMPLE # Sample depth: Subsample # Sample depth: Subsample # Sample depth: Sampling gear: Crew: RG NN, TO MB Subsample # Sample depth: Sampling gear: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Color: Comments: Co		3/17/0	94	Stati		BCH-5	
Method: Weather: Summy Crew: Subsample #: Sample depth: Sample depth: Sample depth: Sampling gear: Cobble Gircle) Subsample #: Sampling gear: Cobble Gircle) Subsample #: Sampling gear: Cobble Gircle) Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y7 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Comments: Y8 52.456 Cormments: Y8 52.456 Comments: Cobble Gircle) Y8 52.456 Comments: Cobble Gircle) Comments: Y8 52.456 Comments: Comments: Y8 52.456 Comments: Y8 52.456 Comments: Comments: Cobble Gircle) Comments: Cobble Gircle) Comments: Comments: Cobble Gircle) Comments: Cobble Gircle) Comments: Comments: Cobble Gircle) Comments: Co		17-00	* *				
Subsample #:		. 41.0	ε1Z		A: ,	•	
Subsample #:		Voju	עכשיי		·		
Subsample #: A Sample depth: 15 Penetration depth 13 an Time: 1200 Acceptable sample (circle) type: color: odor: Comments: Y7 32 956 gravel gray slight petroleum Strong Heen overwhelming 3 SUNCE RES Subsample #: 2 Sample depth: 16 Penetration depth 3 an Time: 1200 Acceptable sample (circle) Subsample #: 2 Sample depth: 16 Penetration depth Time: 17 20 Acceptable sample yes no color: Comments: V7 32 956 Acceptable sample with a strong Heen overwhelming 3 SUNCE RES Subsample #: 2 Sample depth: 16 Penetration depth Time: 17 20 Acceptable sample yes no color: Comments: V7 32 957 Subsample gravel gray slight petroleum strong 122 20 328 organic matter brown surface overwhelming 122 20 328 Subsample #: 3 Sample depth: 16 Penetration depth Acceptable sample (circle) Subsample #: 3 Sample depth: 16 Penetration depth Acceptable sample (circle) Subsample #: 3 Sample depth: 16 Penetration depth Acceptable sample (circle) Subsample #: 3 Sample depth: 16 Penetration depth Acceptable sample (circle) Subsample #: 3 Sample depth: 16 Penetration depth Acceptable sample (circle) Subsample #: 3 Sample depth: 16 Penetration depth Acceptable sample (ve) no color: Comments: V7 32 957 Acceptable sample (circle) Acceptable sample (ve) no color: Acceptable sample (ve) no color: Obble drab olive none H ₂ S slight petroleum moderate other: OU V7 32 957 Subsample #: Sampling gear: Veil Note: Out V7 32 957 Acceptable sample (ve) no color: Obble drab olive none H ₂ S slight petroleum moderate other: OU V7 32 957	vveatner:	8000			ple		
Subsample #: Sample depth: L6 Penetration depth 13 an Time: 1200 Acceptable sample (circle) Type: color: odor: Comments: Y7 32 456 cobble drab olive none H2S gravel gray slight petroleum strong H4CCU Subsample #: Sample depth: 16 Penetration depth Subsample #: Sampling gear: Subsample #: 2 Sample depth: 16 Penetration depth Time: 1720 Acceptable sample (circle) Acceptable sample yes no overwhelming Subsample #: 15 Sampling gear: Comments: Y7 32 456 Comments: Y7 32 456 Comments: Y7 32 456 Comments: Subsample #: Sampling gear: Comments:	Crow DC	JUNN	7	167.			
Sampling gear: Acceptable sample (circle) Comments	<u> 150</u>	(3/0, 10	t CAR				
Sampling gear: Acceptable sample (circle) Comments	I 0.4	1 0 1					
type: color: odor: Comments: Y7 32 456 122 20 329 Supplied	1	Sample	gebtu: 12,	Penetratio	on depth		0
cobble gravel gray slight petroleum brown surface overwhelming brown surface odor: Cobble drab olive gray slight petroleum brown surface overwhelming brown surface overwhelming brown surface overwhelming brown surface overwhelming brown surface overwhelming brown surface overwhelming brown depth: Sampling gear: Cobble drab olive none H ₂ S gray slight petroleum sand C:M F black moderate other: Subsample #: Sampling gear: Cobble drab olive none H ₂ S gray slight petroleum strong overwhelming brown surface overwhelming Subsample #: Sampling gear: Color: Cobble drab olive none H ₂ S gray slight petroleum strong overwhelming brown surface overwhelming Cobble drab olive none H ₂ S gray slight petroleum strong overwhelming brown surface overwhelming overwhelming drab olive gray slight petroleum shore: Cobble drab olive none H ₂ S gray slight petroleum shore: Cobble drab olive none H ₂ S slight petroleum moderate other: Out strong when we have other: Out strong other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when we want of the strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when word other: Out strong when we want out strong when we want out strong when we want out strong when we want out strong when we want out strong when we want out strong when we want out strong when we want out strong when we want out strong when we want out strong when we want out strong when we want out strong whe	Sampling gear:		•				no
gravel sand C M F silt clay brown surface of the community strong strong sand colors. Subsample #: 2 Sample depth: 16 Penetration depth Sampling gear: Sampling gear: Penetration depth Penetration de	type:	color:	odor:		Comments	: 47.32.956	
sand C M F silt clay brown surface overwhelming strong str	cobble	drab olive	none H ₂	:S			
Subsample #: Sample depth: Penetration depth Penetration d	gravel	gray			BON	THE COMMUNIT	4
Subsample #: Sample depth: Penetration depth Penetration d		black	(moderate ot	her: Oic	g	DADOW DOLL	
Subsample #: 2 Sample depth: 16 Penetration depth Time: 1720 Acceptable sample (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel slight petroleum strong organic matter brown surface overwhelming Subsample #: Sampling gear: Acceptable sample (ve) no color: Time: 1725 Sampling gear: Acceptable sample (ve) no color: Comments: Comments: 17 32 . 957 122 20 . 328 Acceptable sample (ve) no color: Comments: Acceptable sample (ve) no color: Comments: Acceptable sample (ve) no color: Comments: Acceptable sample (ve) no color: Comments: Acceptable sample (ve) no color: Comments: Acceptable sample (ve) no color: Comments: Sight petroleum sand C M F black of the color strong surface of the color of the color strong surface of the color of the	silt clay	brown	strong St	yew		•	
Sampling gear: Acceptable sample yes no	organic matter	brown surface	overwhelming		, '\$	SINGLE REPS	
type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: Y 32 957 silt clay brown strong 122 20 328 organic matter brown surface overwhelming Subsample #: 3 Sample depth: 1 Penetration depth Acceptable sample (ve) no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum moderate other: Out strong 946640		_	4. 1				
type: color: odor: Comments: cobble drab clive none H ₂ S gravel gray slight petroleum sand C M F black moderate other: 1,2 20, 328 organic matter brown surface overwhelming Subsample #: S Sample depth: 1,6 Penetration depth	Subsample #:	Sample	depth:	Penetratio	on depth	Time:	20.
cobble drab olive none H ₂ S gravel gray slight petroleum sand C:M F black moderate other: Y7 32 957 silt clay brown surface overwhelming Subsample #: Sample depth: Y6 Penetration depth Acceptable sample (very none circle) type: color: color: color: Comments: cobble drab olive gravel sand C:M F black prown it in other: Out strong stro		2 Sample	depth: 161	Penetratio	on depth	Acceptable sample yes	(O)
gravel gray slight petroleum sand C:M F black moderate other: 17 32 957 silt clay brown surface overwhelming Subsample #: 3 Sample depth: 16 Penetration depth Qc Time: 1726 Sampling gear: Acceptable sample (yes) no (circle) type: color: odor: Comments: cobble gravel gray slight petroleum sand C:M F black per moderate other: OU strong 946500 47 32 957 silt clay brown for strong 946500 47 32 957	Sampling gear:					Acceptable sample yes (circle)	(S)
sand C:M F silt clay organic matter brown surface overwhelming Subsample #: Sampling gear: Sampling gear: Subsample #: Sampling gear: Color: Color: Color: Comments: Cobble gravel gravel sand C:M F silt clay brown black moderate other: Y: 32 . 957 122 20 . 528 Acceptable sample (ve) no (circle) Comments:	Sampling gear:	color:	odor:			Acceptable sample yes (circle)	(3)
silt clay brown surface brown surface overwhelming Subsample #: Sample depth: 16 Penetration depth Acceptable sample (ve) no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gravel sand C M F black prown for strong SHEEN YA 32, 957 strong SHEEN YA 32, 957	Sampling gear:	color:	odor: none H ₂	S		Acceptable sample yes (circle)	(S)
organic matter brown surface overwhelming Subsample #: 3 Sample depth: 16 Penetration depth	Sampling gear: type: cobble	color: drab olive	odor: none H ₂	S		Acceptable sample yes (circle)	(S)
Subsample #: Sampling gear: Sampling gear: Color: Cobble Gravel G	Sampling gear: type: cobble gravel	color: drab olive gray	odor: none H ₂ slight pe	S trôleum	Comments	Acceptable sample yes (circle)	(a)(5)
Sampling gear: Acceptable sample (yes) no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S slight petroleum sand C M F black per moderate other: OU strong SHEEN Y7 32 957	sampling gear: type: cobble gravel sand C:M F silt clay	color: drab olive gray black brown	odor: none H ₂ slight pe moderate oth	S trôleum	Comments	Acceptable sample yes (circle)	(E)
Sampling gear: type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black brown for strong SHEEN Acceptable sample (yes) no (circle) Comments: Comments: 47 32 957	sampling gear: type: cobble gravel sand C:M F silt clay	color: drab olive gray black brown	odor: none H ₂ slight pe moderate off strong overwhelming	S trôleum	Comments	Acceptable sample yes (circle)	(S) (S) (S) (S) (S) (S) (S) (S) (S) (S)
cobble drab olive none H ₂ S gravel gray slight petroleum sand C M F black petroleum moderate other: OU silt clay brown for strong SHEEN Y7 32 957	sampling gear: type: cobble gravel sand C:M F silt clay organic matter	color: drab olive gray black brown brown surface	odor: none H ₂ slight pe moderate off strong overwhelming	S trôleum ner:	Comments	Acceptable sample yes (circle) 77 32 957	(2)
gravel gray slight petroleum moderate other: OU 17 32 967 strong SHCEW 47 32 967	type: cobble gravel sand C:M F silt clay organic matter Subsample #:	color: drab olive gray black brown brown surface	odor: none H ₂ slight pe moderate off strong overwhelming	S trôleum ner:	Comments	Acceptable sample yes (circle) Y 32 957 22 20 328 Q Time: 17: Acceptable sample (yes)	(S)
sand C M F black Deed moderate other: OU 47 32 957 strong SHEEN 47 32 957	type: cobble gravel sand C:M F silt clay organic matter Subsample #: Sampling gear:	color: drab olive gray black brown brown surface Sample	odor: none H ₂ slight pe moderate oth strong overwhelming depth: 16	S troleum her: Penetratio	Comments	Acceptable sample yes (circle) 17 32 957 12 20 28 17 Acceptable sample (yes) (circle)	(S)
Sill clay brown for strong section 42 32.	sampling gear: type: cobble gravel sand C:M F silt clay organic matter Subsample #: Sampling gear: type:	color: drab olive gray black brown brown surface Sample	odor: none H ₂ slight pe moderate off strong overwhelming depth: 16	S troleum ner: Penetratio	Comments	Acceptable sample yes (circle) 17 32 957 12 20 28 17 Acceptable sample (yes) (circle)	(S)
organic matter brown surface overwhelming 122 20.327	sampling gear: type: cobble gravel sand C:M F silt clay organic matter Subsample #: Sampling gear: type: cobble	color: drab olive gray black brown brown surface Sample color: drab olive gray	odor: none H ₂ slight pe moderate off strong overwhelming depth:	S ströleum her: Penetratio	Comments	Acceptable sample yes (circle) 17 32 957 12 20 28 17 Acceptable sample (yes) (circle)	(S)
organic matter brown surface overwhelming 122 20.32%	type: cobble gravel sand C:M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C:M F	color: drab olive gray black brown brown surface Sample color: drab olive gray	odor: none H ₂ slight pe moderate oth strong overwhelming depth: 1 6 odor: none H ₂ slight pe	S troleum Penetratio	Comments on depth	Acceptable sample yes (circle) 17 32 957 122 20 228 Acceptable sample (yes) (circle)	(S)
	type: cobble gravel sand C:M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C:M F	color: drab olive gray black brown brown surface Sample color: drab olive gray black	odor: none H ₂ slight pe moderate off strong overwhelming depth: 1 () odor: none H ₂ slight pe moderate off	S stroleum Penetratio S troleum	Comments on depth	Acceptable sample yes (circle) 17 32 957 122 20 228 Acceptable sample (yes) (circle)	(S)



•	LDW		Pro no.	ject					
Date:	\$112	(nV	Sta	tion:		30	02-5	•	
Start/Stop time:	17.00	,07			X:	<u></u>	<u> </u>		
Śampling	1,00				Y:				
Method:	VAN 1	lean			٠.				
Weather:	6		Sai	nple					
	VAW 1 SUWW	Y	ID:			·-·			
Crew: B	a, DN, TO	14h						<u>. </u>	
							······································		
Subsample #:	Sample	depth: 18	Penetrat	ion dep	oth	Hon	Time:		×40
Sampling gear:						Acceptable (circle)	sample	(es	no
type:	color:	odor:		Comi	ments:				
cobble	drab olive	none	H₂S	·					
gravel	gray	slight	petroleum						
sand C M F	black)	moderate)	other:		Y	7.32,	95 R		
silt day	Grown TW	strong	SHOW			1.20.			
organic matter	brown surface	overwhelming			1 ~ /	·. , ,	301		
Subsample #:	Sample Sample	depth:	Penetrat	ion dep	oth		Time:		
Subsample #: Sampling gear:	Sample	depth:	Penetrat	ion dep	oth	Acceptable		yes	no
Sampling gear:			Penetrat			Acceptable (circle)		yes	no
Sampling gear:	color:	odor:			oth ments:			yes	no
Sampling gear. type: cobble	color: drab olive	odor:	H ₂ S					yes	no
Sampling gear: type: cobble gravel	color: drab olive gray	odor: none slight	H ₂ S petroleum					yes	no
Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black	odor: none slight moderate	H ₂ S					yes	no
sampling gear. type: cobble gravel sand C M F silt clay	color: drab olive gray black brown	odor: none slight moderate strong	H ₂ S petroleum					yes	no
Sampling gear. type: cobble gravel sand C M F silt clay organic matter	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Com	ments:		e sample	yes	no
type: cobble gravel sand C M F silt clay organic matter Subsample #:	color: drab olive gray black brown	odor: none slight moderate strong overwhelming	H ₂ S petroleum	Com	ments:	(circle)	e sample		
Sampling gear. type: cobble gravel sand C M F silt clay organic matter	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Com	ments:		e sample	yes	no
type: cobble gravel sand C M F silt clay organic matter Subsample #:	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H ₂ S petroleum other:	Come	ments:	(circle)	e sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear:	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming depth:	H ₂ S petroleum other: Penetrat	Come	ments:	(circle)	e sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black brown brown surface Sample	odor: none slight moderate strong overwhelming depth: odor:	H ₂ S petroleum other:	Come	ments:	(circle)	e sample		
sampling gear. type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black brown brown surface Sample color: drab olive	odor: none slight moderate strong overwhelming depth: odor: none	H ₂ S petroleum other: Penetrat	Come	ments:	(circle)	e sample		
type: cobble gravel sand C M F silt clay organic matter Subsample #: Sampling gear: type: cobble gravel	color: drab olive gray black brown brown surface Sample color: drab olive gray	odor: none slight moderate strong overwhelming depth: odor: none slight	H ₂ S petroleum other: Penetrat H ₂ S petroleum	Come	ments:	(circle)	e sample		



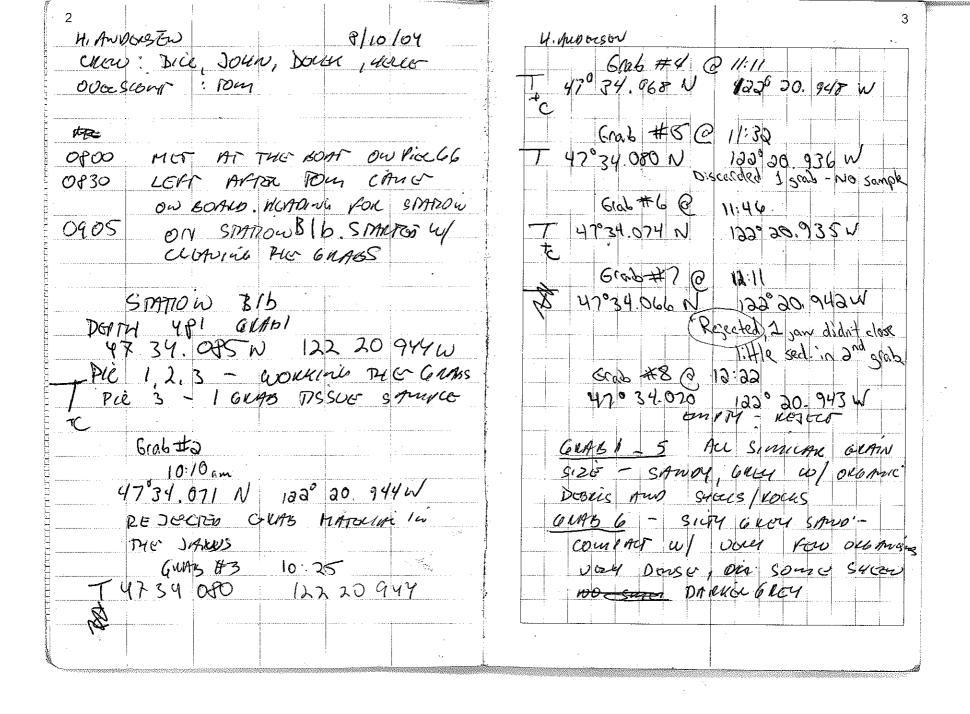
Date: Plan loy Station: BCA-6 Start/Stop time: OPAS - 0946 X: Sampling Method: VAw Vaw Weather: Sample	Project Name:	11	N(4)	Pro no.	pject		
Sampling gear: Subsample #: Sample depth: 9.31 Penetration depth Sample (circle) Subsample #: Sample depth: 9.31 Penetration depth Sample (circle) Subsample #: Sample depth: 9.31 Penetration depth Sample (circle) Subsample #: Sample depth: 9.31 Penetration depth Sample (circle) Subsample #: Sample depth: 9.31 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Sample (circle) Subsample #: Sample depth: 9 Penetration depth Penetration depth Penetration depth Subsample #: Sample depth: 9 Penetration depth Penetration depth Subsample #: Sample depth: 9 Sample depth: 9 Sample (circle) Subsample #: Sample depth: 9 Sample depth: 9 Sample (circle) Subsample #: Sample depth: 9 Sample dep	Date	0/1	In.			Den 1	
Sampling Method: Weather: SUMMY Sample BCWTMC Communitive Communities Communities Communities Communities Communities Communities Communities Commu						DUY-6	· · · · · · · · · · · · · · · · · · ·
Method: Weather: SUMM Crew: RO, TV), MA Subsample #: Sample depth: Sample depth: Sample depth: Sampling gear: Lype: Color: Cobble Grab olive Grab olive Subsample #: Sample depth: Silight Diack Moderate Diack Moder	•	<u> </u>	0110		· · · · · · · · · · · · · · · · · · ·		
Subsample #: Sample depth: Q.3 Penetration depth Time: OP35 Sampling gear: Color: Comments: Cobble drab olive Acceptable sample Gircle) Subsample #: Sample depth: Penetration depth Acceptable sample Sight Penetration depth Y7 30, 737 Silt clay Sample depth: Penetration depth Y7 30, 737 Subsample #: Sample depth: Penetration depth Y7 30, 737 Subsample #: Sample depth: Penetration depth Y7 30, 737 Subsample #: Sample depth: Penetration depth Y7 30, 737 Subsample #: Sample depth: Penetration depth Y7 30, 737 Subsample #: Sample depth: Penetration depth Y7 30, 737 Subsample #: Sample depth: Sample depth: Penetration depth Y7 30, 737 Subsample #: Sample depth: Sample depth: Y7 30, 737 Subsample #: Sample depth: Sample depth Y7 30, 737 Subsample #: Sample depth: Sample depth Y7 30, 737 Subsample #: Sample depth: Sample depth Y7 30, 737 Subsample #: Sample depth: Sample depth Fta, Time: O9 Acceptable sample Sample depth Sampling gear: Sampling gear: Sample depth Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sample depth Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sampling gear: Sampling gear:		VAW	1000	·	Υ:		
Subsample #:	Weather:	0	_		mple	5	0-
Subsample #: Sample depth: 9.31 Penetration depth Time: OF35 Acceptable sample (circle) type: color: odor: Comments: cobble drab olive strong overwhelming Subsample #: Sample depth: 9 Penetration depth			<u> </u>	lD:	······································	sow me	Communi
Sampling gear: type: color: odor:	Crew:	36, 50, 7	ia				
Sampling gear: type: color: odor:					,		
type: color: odor: Comments: Comments: Comments: Slight petroleum moderate other: Y7-30, 737 penetration depth strong organic matter brown surface overwhelming Subsample #: Sample depth: 9 Penetration depth 17 comments: Acceptable sample (circle) type: color: odor: Comments	Subsample #:	Sample	depth: 9.3	Penetrat	tion depth		Time: 0+35
cobble grayel strait black moderate other: 17 30, 737 strong overwhelming sample #: Sampling gear: Color:	Sampling gear:						nple yes 🔞
sit clay organic matter brown surface overwhelming Subsample #: 2 Sample depth: 9 Penetration depth 14 Circle) type: color: odor: Comments: cobble drab olive gravel sit clay organic matter brown surface overwhelming Subsample #: 2 Sample depth: 9 Penetration depth 14 Circle) type: color: odor: Comments: Comments: Cobble gravel singht petroleum sand Mr black moderate other: 47 30, 734 singht petroleum sand Mr black strong overwhelming Subsample #: 3 Sample depth: 6 31 Penetration depth Ptas Time: 99 Acceptable sample (circle) type: color: odor: Comments: 47 30, 734 singht petroleum sand Mr black moderate other: 47 30, 734 singht petroleum sand Mr black singht petroleum sand Mr black singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black moderate other: 47 30, 734 singht petroleum sand CMF black brown Mr strong strong singht petroleum sand CMF black brown Mr strong strong singht petroleum sand CMF black brown Mr strong strong singht petroleum sand CMF black brown Mr strong strong strong strong singht petroleum sand CMF black brown Mr strong str	type:	color:	odor:		Comments	s:	
Subsample #: Sample depth: Sitt clay organic matter Subsample #: Sample depth: Sample	cobble	drab olive	Aeni	H₂S	1		·
silt clay organic matter brown surface overwhelming Subsample #:	gravel ,	(Bray)	slight	petroleum			
organic matter Subsample #: Sampling gear: Color: Cobble Gravel Silt clay Organic matter Subsample #: Sampling gear: Cobble Sampling gear: Cobble Sampling gear: Cobble Subsample Subsample #: Sampling gear: Color: Comments:	CARD CARD	black	moderate	other:	47	7 30, 73	7
Subsample #:	silt clay	(brown FTUP	strong		12	218,27	:9
Sampling gear: Acceptable sample (circle) Comments:	organic matter	brown surface	overwhelming				
Sampling gear: Acceptable sample (circle) Comments:	Subsample#:	2 Sample	depth: C	Penetrat	ion depth	14 cm	Time: OS 45
type: color: odor: Comments: cobble drab olive none H ₂ S slight petroleum sand MP black moderate other: 47 30, 734 silt clay organic matter brown surface overwhelming 12.2 17, 278 Subsample #: 3 Sample depth: 6 3/ Penetration depth 7±c, Time: 09 Sampling gear: Acceptable sample (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel (grav) slight petroleum sand CMF black moderate other: 47 30, 734 slight petroleum strong little approach to the strong little	Sampling gear:	· · · · · · · · · · · · · · · · · · ·		-		Acceptable sa	
cobble gravel grav slight petroleum sand MP black moderate other: 47 30, 734 silt clay organic matter brown surface overwhelming l22 18,278 sample #: 3 Sample depth: 6 3/ Penetration depth 72 miles of circle) type: color: odor: Comments: cobble gravel gravel gravel sand CMF black moderate other: 47 30, 73 y silt clay brown TOV strong	type:	celor:	odor:		Comments		
gravel gray slight petroleum black moderate other: 47 30, 734 strong organic matter brown surface overwhelming 122 18, 278 sampling gear: 128 Sample depth: 63/Penetration depth 729 Time: 09 Acceptable sample fees no (circle) type: color: odor: Comments: cobble drab olive none H2S gravel slight petroleum sand CMF black moderate other: 47 30, 734 strong	cobble	drab olive	(none	H₂S		* ($C \mid$
sapa (MP silt clay brown Tol strong organic matter brown surface overwhelming sample #: 3 Sample depth: 6 3/ Penetration depth Fig. Time: 09 Acceptable sample (circle) type: color: odor: Comments: cobble drab olive none H2S gravel gravel slight petroleum sand CMF black moderate other: 47 30.734 strong	gravel	gray		petroleum			
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Subsample #: 3 Sample depth: 6 3 / Penetration depth 7 2 cm. Time: 09 Sampling gear: Acceptable sample 6 no (circle)	silt clay	brown TOP	strong		· -	•	·
Sampling gear: Acceptable sample (es) no (circle) type: color: odor: Comments: cobble drab olive none H ₂ S gravel gray slight petroleum sand CNF black moderate other: 47 30 73 4 silt clay brown TOV strong	organic matter	brown surface	overwhelming		12.	2 14.27	4
Sampling gear: Acceptable sample Feet No (circle)	Subsample #:	.3 Sample	depth: 6	て/ Penetrati	ion depth	Ha-	Time: 79
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cobble drab olive none H ₂ S gravel gray slight petroleum sand CMF black moderate other: 47 30 . 73 4 silt clay brown TOV strong	type:	color;	odor:		Comments):	<u> </u>
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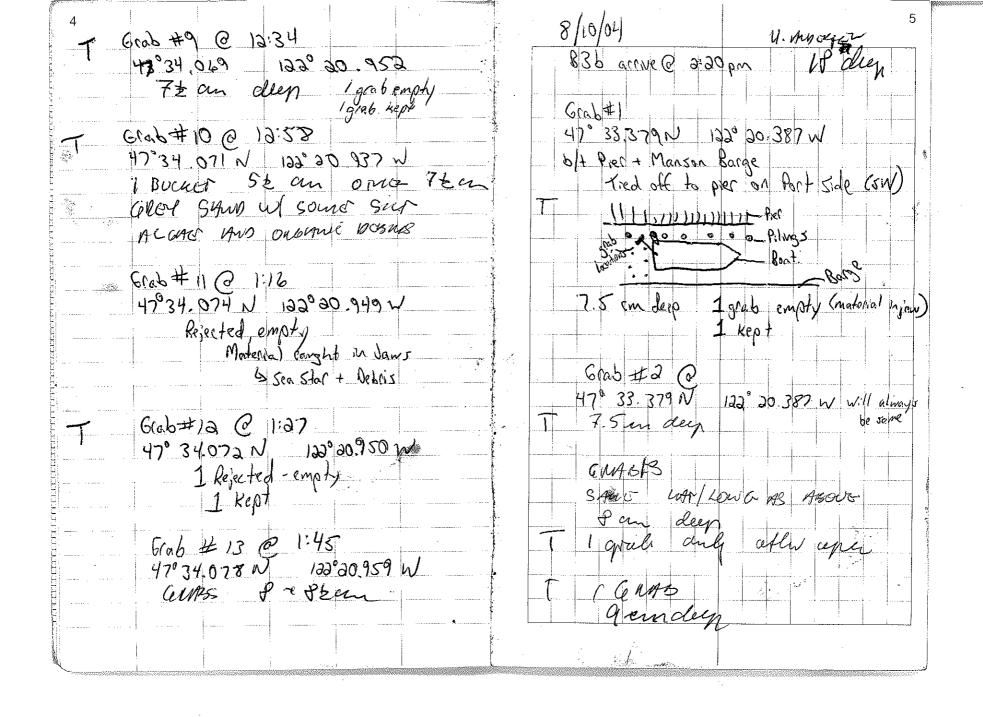
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Sampling Method:	V An	Very		Y:			
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Subsample #:	Y Sample	depth: 6	Penetrat	ion depth	Ifon Time:	09	25
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type:	color:	odor:		Comments:	· · · · · · · · · · · · · · · · · · ·		
cobble	drab olive	none	H₂S		C		
gravel	(gray)	slight	petroleum				1
sand CMF	black	moderate	other:	y	7 30.734		
silt clay	brown TUP	strong		127	. W. 200		
organic matter	brown surface	overwhelming		144	. W. 200		
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Sampling gear:				*	Acceptable sample (circle)	yes	no
type:	color:	odor:		Comments:			
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gravel	gray	slight	petroleum		•		
sand C M F	black	moderate	other:				
silt clay	brown	strong					
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Subsample #: [Sample	depth:	Penetrati	on depth	Time:		
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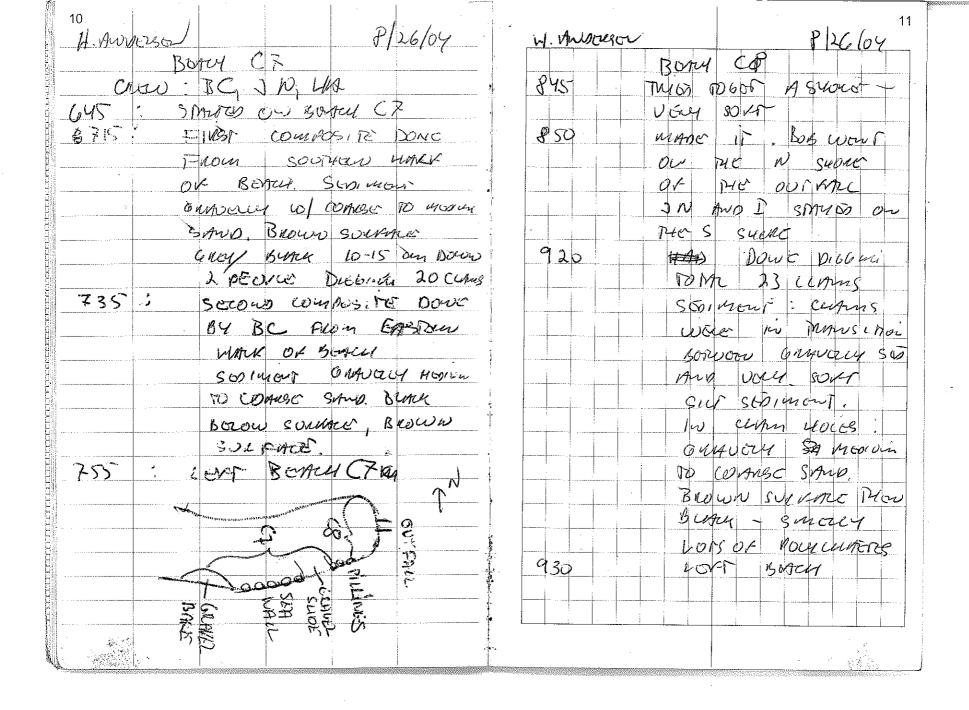






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		750 LEV 15= ACH C6



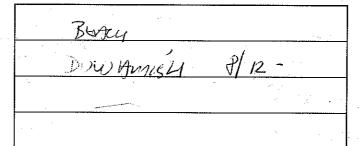
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FIELD

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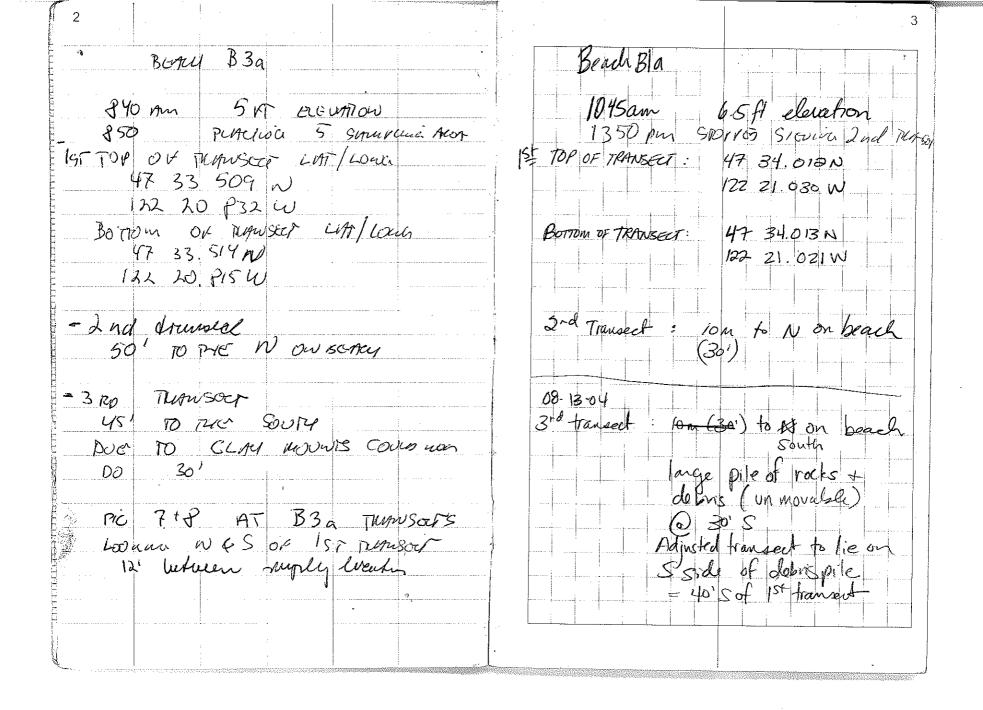
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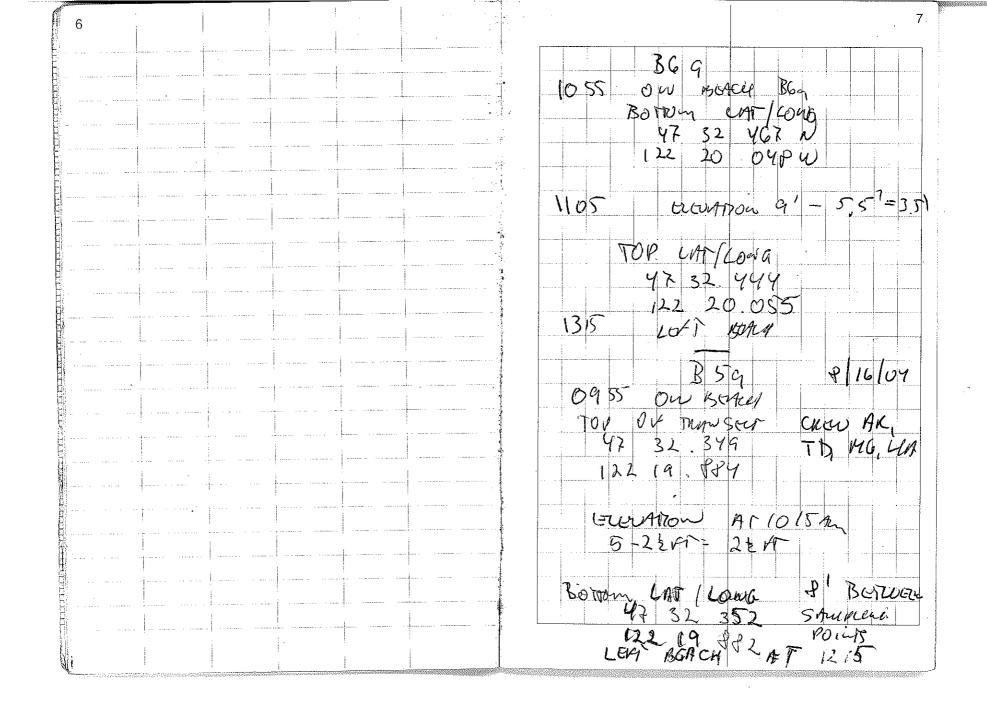


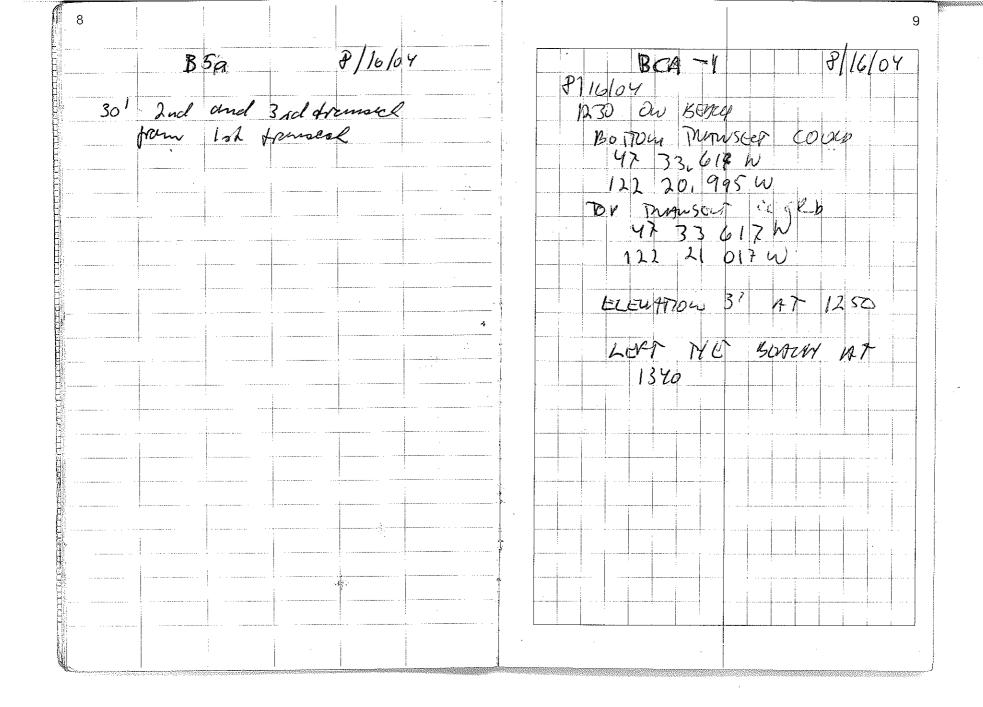
Boach Za 8/13/04 conit 800 mar at Gaal name SP, FH 1042 an P30 Pice Ur ME 15 Franzed: 70P 47 33 393 \$45 ON BOACH Bla Dornio Pre MISSUE SAMPLING ON LAST TURNSON 122 20 893 1020 LUPIL PUS BEARY 5' elevation 16' bedreelen sampling bouches 5' elevation 1030 ON BOACH BYG 155 4AT 47 32, 94P 700 reported Loute 122 20, 495 Borrown Botton: 47 33.384 122 20.905 1300 LUST BUTY BZG LOST BOATE BZG 2 nd Primisor 30' w or Preprisor 2rd 30' (10m) South of transcet & besteven my localis TOP OF IST TEAMSOUT 3rd 30' (10m) Not transect 8/ 15/04 collected sediment + porcuater Chav: Chaves Howor somen That Herce for this transect 30 OW BORY BYC, TOP LAT 47 92,949 2000 122 20,429 Im - finished 1st + 2nd Vansect.

did not collect tissues

from 3nd transed— Ctide rose

3nd goords = 4733390 too quick) 1045 UN BONU transpron 1sp magnisoca 41 (at highest flag) 122 20902

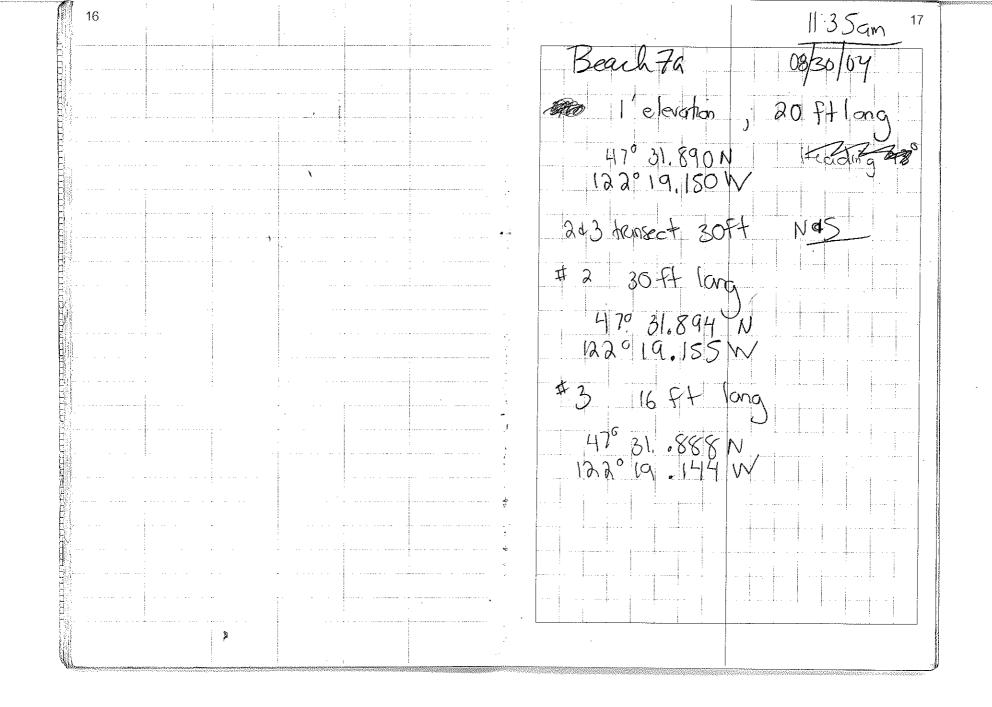


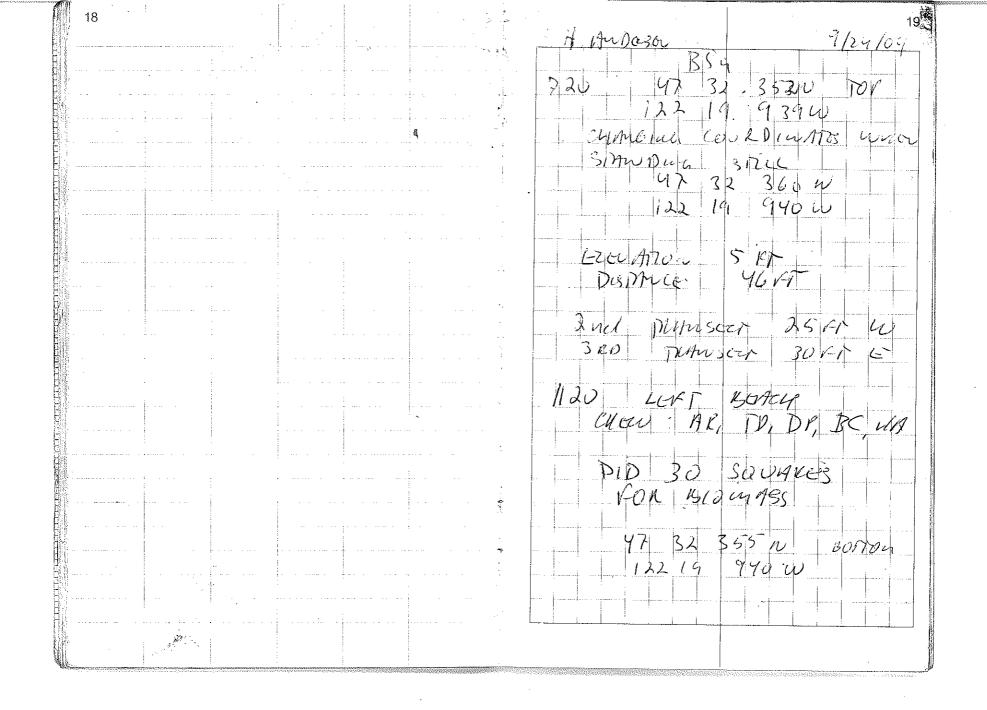


10 08/7/04 B89	8/17/04	11
1st transect 31.5' = length 100 : 47 31 683 2.5' = elevation	BCA3 10 47 an	4 le' elevation 4.51
177 18 644	139: 47 31 948	exercition 1.5
Borrom: 47 31 680 172 18 642	122 19 259	
2nd transent 30 North of 1st francos	22 19 251	
1st Transect only collected from first 3 flags 3 lowest flags on shoveline were flooded		
2nd Transect placed 6 flags, 30' transect over sampled		
Moved Berthic community analysis from The 1st transect to the 2nd transect due to flooded flagged areas		
2nd Transect a dark black ordorous sheen was noticed at the 2nd flag		
Dropped 1/2 to a full square of sediment from 2nd transect		

Beach 3a Redo 08-26-64 8/25/04 0656 TOP OF 151 transect elevation 5' Lut 4733 518 N crew. Angeleta Rodriquezz Tad Deshier - WW long 12220 834W Shannon Pierce Bottom of transect Run & ling tounty 47 33 521 leave 1st Ave SBridge - 5: 30am long 122 20 820 Beach ga -Length = 65' (flage every 13') no beach expased Should come back at lowest 3rd Transcet moved 56's from primary transcet minus Ale-Friday? due to chylroid mounds lovering beach area Beach 10 a - 6:45 Primary Transact Sandy Ichay brown - beine 1st transect top: 47 30 683 length=591 And Transect 30ft N 3 primary transect 122 18077 top=3 Some sand mostly clay, algge mats over sad bottom: 47 30 684 bottom= 6' 3rd Transect Very soft sund lilay bown Group 122 18 091 Dily sheen at lower flags Frish sampling @ 0915 they were collected previously on a different day

	14.		15
			8/27/04 Beach 9/9 (0815am) (rew: MW, BB, MG4, Maureen (SAIC)
			TOP OFTRANSECT 1: 47 30. 839
			Elevation = 2.5' Langth = 5/85 (flag every 17')
			Cene + 5 5 1 0 5 (11 light every 17)
			2 H (1 , , , L)
			Bottom of transect 1: 47 30 833
			2nd transect: 30'N 47 30844
THE C			(flags every 16') 122 18 223
ETTE			3rd transect : 30' 5 47 30 836
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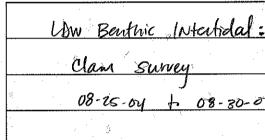
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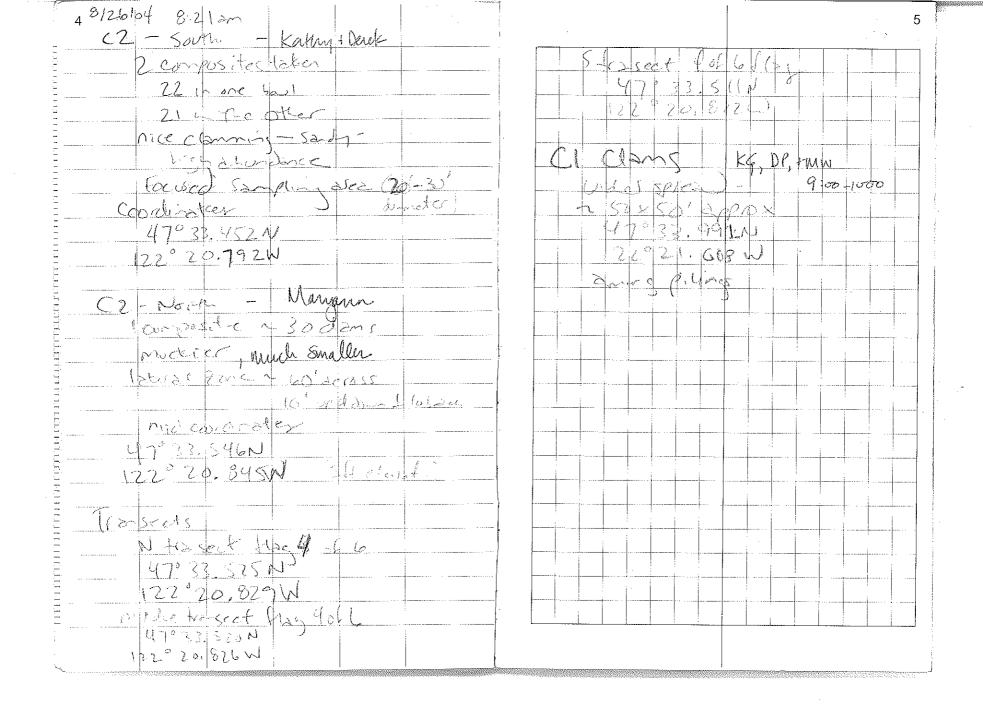
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8/27/04 Clary collection effort contd crew Bob Complita Tal Deller Dorak Pallation Wentler over ont, cool (upor), No was Station C4 / beach sampled on northern shore meder A7° 32 950 2) Last 1/22° 20,505 eastern 47° 32.960 extent 122° 20.491 finished 8:15 22 Mya clans in 40 minutes mucky sediment anoxic closely to surface most clams in mid-high reaches of beaches some close to steep rip-rap bank

sangled open shore south of prevaid under pier 150 shore line sampled southern 47 32.705 extent 122 20.184 northern 47° 32.717 extent 122 20.180 sandy shoreline, firm 28 clams (Mya) sampled 50 stret on migh intertidal shoreline to north very

5/0/ion C3 (cont) northern extent 47° 33.586 122: 21.009 southern extent H7° 33,578
122° 21,011.
26 clams (Mya)
easy digging 20 minutes
finished first sample
at 10°05 2 nd sample collected in rediately south st first sample over 20 stretch of beach anoxic layer very close sarely, easy digoling
23 clams (Mya)
center of sampling area
47 33.569 finished at 1045

Attachment E-3: Laboratory Benthic Invertebrate Weight Forms





Project Name:	LDW	Project no.	\$1g	
Date:	8/15/04	Station:		
X:				
Y:				
Sample ID:				•
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	
POLYCUMETES	1.4			
CRUSTALGANS	10.5			
MOCCUSUS	0.[
Misc	1.3		-	
***************************************				t.
				,
TOTAL	13.3			
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Comments:		Philipped		
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Project Name:	LDW	Pi no	Project no.					
Date:	10/14/04		ation:	32c				
X:				<u> </u>				
Y:								
Sample ID:				•				
nvertebrate Group	Estimated weight (ww)	Invertebrate 0	Froup	Estimated weight (ww)	1			
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CHUSTACOANS	29				-			
HOLL USKS	7-6				-			
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Project Name:	DW	Project no:		
Date:	8/26/04	Station:	B39	
X:				
Y:				
Sample ID:		···		Will H
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	
pow wheres	2-1	POLYCHATES	0.4	
CNUSTACEANS	7.0	Chus Moons	1.4	
MOCLUSKS	2.0	MOLLUSHS	0.2	
MISC	0.5	Misc	0.2	

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				GUAND ROM
TOTAL	11,6	TOML	2, 2	CRAND DOM
Comments:				



Project Name:			Project no.			
Date:	8/14/04		Station:		Bya	
X: .						
Y:						
Sample ID:						
				,		
LSS HOURS	···	-		1 Rou		1
Invertebrate Group	Estimated weight (ww)		Invertebrate Group		Estimated weight (ww)	
POLY WIAERS	3.7	<u></u>	POLYCUMETE	<u> </u>	1.4	
CHUSTACEANS	40		CHUSTACO	rs	S± 5	3
mociusky	4.7		MOCLUSK	S	2.6	
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r roject Name.		Project no.		
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Y:				
Sample ID:				
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	# <i>E</i>
POLYCUAETS	7.5			a in the second
CRUSTACEAN	0.3			. ***
MULLUSKS	3.9			
	·			
				· ·
				•
*				-
TOTAL	+ , , +			
10/1/0	11. 79			
Comments:				
o o minorito.				
The state of the s				
				1



Project Name:	LDW	Project no.		·
Date:	8/15/04	Station:	369	
_X:			20-7	
<u>Y:</u>				. 3
Sample ID:				
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	
YOUY COUNTERS	11-6			
Chusincen	1.5			
MOLLUSKS	6.5			
· · · · · · · · · · · · · · · · · · ·				•
The summittee of the su				
				•
		- min		
TOME	+ 10/			
10/1/ C	19.6	The state of the s		
Comments:				



Project Name:	LDW	Project no.					
Date:	8/30/04	Station:	B79				
X:	V						
Y:		···					
Sample ID:							
							
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)				
POLYCUALIES	7.2						
Chus McLygus	6.0			•			
POLYCUALTES CAUSTACLYOUS MOLLUSKS	5.3						
				•			
			-	•			
TOTAL	19 6						
TOTAL	18,5	,					
Comments:							
National Property of the Control of							



Project Name:	LDW	Project no.		
Date:	117/04	Station:	BPq	
X:				
<u>Y:</u>				
Sample ID:				
			* .	
nvertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	
POLYCUMOTES	2.0	1004MMOL8	2.1	
CN US PACOANS	4.6	CRUSPACOMS	5.0	•
moccosus	0,9	MOLCUSKS	1.2	* .
4				
J				•
· · · · · · · · · · · · · · · · · · ·				
		,		•
				•
		44-44-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-		
				O. M. IN BOAR
TOME	7, 5		P. 3	CAND ROM
omments:				· · · · · · · · · · · · · · · · · · ·
COLOPUL	in	CAR	mejer 2	0 V5350
Ku M	. BARREIS	<u> </u>	wy a	7 7 7 7

FINAL



Date: 8/27/4 Station: 89 a X: Y: Sample ID: Invertebrate Group Estimated weight (ww) PUYUMERS 9.D CNUSTREGRAS 9.2 MOLUSKS 4.3 MUSC 0.D TOTAL 22.5	Project Name:	EDW	Project no.		
X: Y: Sample ID: Invertebrate Group Estimated weight (ww) POLYUMETCS 9.D CMUSTACOGALS 4.3 MUSC OD TOTAL J.J., 5	Date:		Station:	899	
Sample ID: Invertebrate Group Estimated weight (ww) POLYCUMETCS 9.0 CMUSPACOTUS 4.3 MOLLUS KS 4.3 MISC D TOTAL A2,5	X:				
Invertebrate Group Estimated weight (ww) POLYWARTCS 9.D CMY, PACOPLE 9.2 MOCLUSKS 4.3 Music 0.D TOTAL 22,5					
Weight (ww) POULUMETS 9.D CHUSTACOANS 9.2 MOCLUSKS 4.3 MUSC 0.D TOTAL 22,5	Sample ID:				
weight (ww) POLYCUMETS 9.D CHUSTACOANS 9.2 MOCLUSKS 4.3 MUSC 0.D TOTAL 22,5					
CMUSPACOTUS 9.2 MOCLUSKS 4.3 MUSC 0.0 TOTAL 22.5	Invertebrate Group		Invertebrate Group		
CMUSPACOTUS 9.2 MOCLUSKS 4.3 MUSC 0.0 TOTAL 22.5	POLYCUMETES	9.0			
TOME 22,5	CNUSTACOTAS	9.2			
TOME 22,5	MOCLUSKS				
TOMC 22,5	Misc	0.0			·
TOMC 22,5	and the second s				
TOMC 22,5					·
TOMC 22,5	Add to the state of the state o				
TOMC 22,5					
TOMC 22,5					
TOMC 22,5					
			4		
					·
Comments:	TOTAL	22,5			
	Comments:	<u>, , , , , , , , , , , , , , , , , , , </u>			
		The second secon	4		



Project Name:	())	Project		
Date:	125 loy	no. Station:	3104	
X: Y:				
Sample ID:				
•				
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	
POULLY GTOS CNUSTACOANS	4.1	POLYCHMETES	2.5	
CIWSTACOANS	5-6 40	CRUSTAC Equis	3.5	
				GRAND POMC
TOMC	9.7 P.9		6.0	14.9g
Comments:				J *
				· · · · · · · · · · · · · · · · · · ·
			US WHUM	~ = 1p. 23719
				V



Project Name:	4 04	Project		
Date: X:	9/27/04	no. Station:	816	
Y: Sample ID:				
Invertebrate Group	Estimated	Invertebrate Group	Estimated	
	weight (ww)		weight (ww)	
POLYCURETES	# 7.4			
Clusmognis	247 1.6			
HOLLUSKS	2.0			
MOSC	1.0			
-				

····				[• ₁₄
				*:
TOM	12.0			
Comments:	BASON C	ner 4 sin60	e van Va	onyzs

	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

FINAL



Project Name:	LIDU)	Project no.		·
Date:	1 9/27/0	Y Station:	326	
X:	•			
Y:	 			
Sample ID:				
	 			
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	The state of the s
POLYCHACTES	9.5			
Chusmours Moccisks	0.2			
Mocusks	2-6			
Misc	2.7			
				And Antonior and A
			*	
	and the same of th			
N-A				
TOME	15.0			-
Comments:		· · · · · · · · · · · · · · · · · · ·		
Comments:		****		
		<u> </u>		
			144 - 144 -	
The state of the s			**************************************	A



Project Name:	· · · · · · · · · · · · · · · · · · ·		Project	Λ (4 m/2 m/2 m/2 m/2 m/2 m/2 m/2 m/2 m/2 m/2	
	V-BT		no. Station:	04-08-06-2	
X:	2/10/04		Station,	BBb	
Y:					
Sample ID:					
Invertebrate Group	Estimated weight (ww)	Invertebra	te Group	Estimated weight (ww)	
POLYCUMETES	6,2	POLY	cuncres	6.1	
CANSTOACOANS	0,3		Michans	0.4	
HOLLUSKS	0,4	1	ws us	0.6	
			ج <u>د</u>	3.0	
					,
M					
The state of the s					
- Annual Control of the Control of t					
					GRAND 1014C
TOME	6.99			10.1	17.0 g
Comments:				***************************************	
54560 OW	5 SIW6L	e 0/12	12 von V	LOW CORMS	
WERMETEAN	5			7900	
POULUAGES					
2 CHAWG					
(Cerl) M. K. M.	TRA				



Project Name.	LDW		no.		
Date:	2 DW 9/28/04	1	Station:	146	
X:			_	, ,	
<u>Y:</u>	·		_	,	
Sample ID:			_		
					
Invertebrate Group	Estimated weight (ww)	Inverteb	rate Group	Estimated weight (ww)	
POLYCUMETES	26.7				
Mociusis	2.5				
MISC	1.6		·		
	· · · · · · · · · · · · · · · · · · ·				
					-
					\$
		· ·			
					nedation Marketing

	**	***			
TOTAL	2 0 0				
JUIAC	30.8		THE RESIDENCE OF THE PARTY OF T		
Comments:					
· · · · · · · · · · · · · · · · · · ·	PIDO JALO			*, * .	
			, , , , , , , , , , , , , , , , , , , ,	-	



Project Name:	LDW		Project no.		
Date:	9/28/04		Station:	B5b	
X:			-	_	
<u>Y:</u>					
Sample ID:					
			-		•
Invertebrate Group	Estimated weight (ww)	Invertebra	te Group	Estimated weight (ww)	
POLYCUITORS	17.9				
Chuspicons	0.1				
Moccuses	3-9				•
MISC	6.3				
		_			
					·
N 42.	-				
					·
· · · · · · · · · · · · · · · · · · ·			······································		
	<u> </u>				
\$\$\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
TOME	28.2				
Comments:					
NC.	matthes				



Project Name:	2DW	Project no.		
Date:	8/18/04	Station:	36 b	
X:				
Y:				
Sample ID:				
		<u>.</u>		
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	
POULUMORS	11.9			
CHUSTALGAN	0.1			
MOCLISKS	0.2			
Mysc	0-1	·		
			-	
TOMC	12.3			
Comments:				
	CUANGON W. BALT			
<u> </u>	W 4. 89217	(A		
•				

FINAL.



Project Name:	. ~	Project		
Date:	hDW.	no.		
X:	112 104	Station:	376	
Y:				
Sample ID:				
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	
POLYCUMERS	6.2	POLYLUMOTS	# 9.Y	
Chustreagn	0.2	CHUSTOLISANS	0.1	
moccuses	1.6	nociusus	2.9	
		Misc	0.1	
				•
,				
				0
TOTAL	8.0		12 6	Gump roma
			12, 5	20-5
omments:				
B11500	OW & SIVE	LE VAN VEEN		
1 Stellenp				
Lots or	POLY CHIPC	iB		
1 moor	u. BALTICA			
- rew	M. BACTICA			



Project Name:		Project no.		
Date:		Station:	B8 b	
X:				
Y:				
Sample ID:				
Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)	
POLYCLACTES	20.5			
CHUSTACEANS	5.0			
MOCLUSKS	6.7			
Misc	0.3			
-			· ·	
TOTAL	32,5			
Joine	3 ~,)			
Comments:			and the second s	
A	201 OF	POLL LAMOITE		
(OLDPHIOIN -	POCH LAMET ZE GAMMA RIDS		
	M. BALTICA	V / / /		



Project Name:	6D(1)	Project no.		
Date:	8/11/04	Station:	896	
X:				
<u>Y:</u>				
Sample ID:				
Invertebrate Group	Estimated Invert	ebrate Group	Estimated weight (ww)	
POLYCHACTES	0.8+04 = 1.2	POL	3.6	= 4.8
CRUSTACHANS	3.8 H.6 = 5.	4 CRUST	3.9	~ 9.3
MOLLIS KS	2.4+02 = 2	1.6 MOL	20	2 4.6
	·			
				<i>:</i>

		,		
			:	

TOML.	10 9,2	TOME	9,5	GRAND TOMO
Commonts:	22 0 (- (. 1/0 3/	0.4.4.1	0/1)
Comments: \$49	360 ON 6 SINGLE 360 ON 4 SINGLE	I VIN VION	CHAPES (2.194
<u>" \$75</u>	UN 9 >1461	-c von VED	w onyss	
A				



roject Name:	LDW	Project no.	Project no.			
ate:	LDW 8/19/04	Station:	B10b	Blob		
X:						
Y:						
ample ID:						
vertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)			
POLYCUATERS	3.0					
CHUSINCEIMS	14.5					
moccusus	0.5					
-				٠.		

				•		
TOTAL	18.00			•		
mments:						
MUSTY	ODNO BALLOI	ns and agma	ranips			
FCW	M. BOUTTER					

FINAL



CLAM COLLECTION FORM

Project Name	: / A /A	, Dad	hiz Inven	Project		
Date:		1 Dans	MC INVER			,
Start/Stop time		- 26-04		Station: LOVY -	CI	
Sampling		0 - 1015		X: Y:		
Method:	tava	sted c	lang colle	ction "		
Weather:						
	Sunny			ID: LDW-CI-T		
Crew:	Sunny Dr. Mw	, KÇ				
01		· · · · · · · · · · · · · · · · · · ·	T			· _[
Clam species		#	Shell length	Clam species	#	Shell length (cm)
			(cm)			(Cill)
Mya au	maria	1	7.9	Mya arenaria	21	5,7
		2	7.5	1	22	6.6
		3	5.5		23	6.7
		4	7.9		24	6.1
		5	6.0	\downarrow	25	2,9
		6	6.2			
		7	7.6			
		8	6.4			
		9	7.0			
		10	\$ 6.9			
		11	3.2			
		12	2.9	*.		
		13	2.2			
		14	6.7			
		15	7.7	· ·		
		16	8.2			
		17	7.4			
		18	2.2			
	***	19	49			
<u> </u>		20	5.6			
Comments:						
				· · · · · · · · · · · · · · · · · · ·		



CLAM COLLECTION FORM

Project Name:	184 5 W	Project	£11				
Date:		ic Invert	no. Station:		-06-21		
Start/Stop time:	08-26		Station.	<u> </u>	- C2-T1		
Sampling				Y:			
Method:	taracted cl	an sample	~e				
Weather:	_		Sample				
$\frac{\mathcal{S}l}{\mathcal{S}l}$	enny		ID:	LDW-C	2-T1		
Crew: M	M J						
Clam species	#	Ob - #			T	·	
Ciam species	#	Shell length	Clam species	ė	#	Shell length (cm)	
		(cm)	,			(Citi)	
Mya arene	ris 1	6.5	Mya ar	enaria	21	4.3	
		6.7	1		22	4,3	
	3	5.7			23	2,3	
	4	6.1			24	3,1	
	5	4.5			75	7.4	
	4	5,1			24	5.8	
	7	5.8			27	6,4	
		5.5			78	4.4	
	9	lele			29	3.8	
3	10	7.3			30	3.7	
		6.2			31	2.9	
	[12	5.6	V		32	4.6	
	13						
	14	6.0					
	15	···					
	/6						
	17						
*		- L' '					
	19	4. 3					
V	Ro	3,9					
		A.1.					
Comments: Collected by MW.							
	Uncky soil,	1 clay con	tent-		•		
						·	



CLAM COLLECTION FORM

Project Name:	_ LOW Bentlic Invest			Project no.	04-08-06-21			
Date:	08-26-04			Station:	LDW			
Start/Stop time:	0695-0810				X:			
Sampling Method:	targeted class collection				Y:			
Weather:	•				Sample ID:	LDW-CZ-7	2_	
Crew: <u>b</u>	umy P, KG							
Clara an asias		T	T		_			
Clam species		#	Shell length	C	am specie:	S	#	Shell length
			(cm)					(cm)
Mya arena	esia.	1	7.9		Aluca	As a	21	8.7
0		2	7.8		ivoja i	arenava	72	8,9
		3	8.6			 	23	7.4
		4	7.5			 	1	89
	·	5	8.2		1		29	9.9
		6	7.2				24	7.8
1		7	7.6				27	6.7
		8	63				28	7.7
		9	8.9				29	7.1
		10	7.9					7.6
		11	9.9				30	
, and the second		12_	7.7		1		31 32	6.5 3.6
277		13	7.4			*	33	8.9
		14	7.1					7.7
1		15	6.7	++-			34	7.2
		14	6.5			-	36 36	7.9
		17	3.4					80
		18	9.7				37	7.5
		19	8.4		<u>}</u>		38	7.5 8.6
V		20	7.7				39	
	l	· ·	1		<u>V</u>		10	6.8
Comments:								



Project Name:	DW Bent	hiz Inve	Project no.	04-08-06	7 <i>1</i>	
Date:	08 - 26		Station:	LDW-C2		
Start/Stop time:	0645-1		X:			
Sampling Method: +au		rm collec	Y:			
Trouings.			Sampie			
Crew: Sonny	ĵ		ID.	LDW -CZ-TZ		
Clam species	#	Shell length (cm)	Clam species	#	Shell length (cm)	
Mya arenaria	41	7.2				
	42	8.1				
	43	7.2				
	44	8.0				
	45	8.8				
	46	7.6				
	47	7.9				
	48	7.9				
	49	8.4				
	50	7.9				
	51	7.4				
V	52	7.9				
				,		
14 14 14 14 14 14 14 14 14 14 14 14 14 1						
7 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1						
Comments:						
	, , ,			and the second s		

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Project Name:	Benth	ic	Project no.	04-08-06	2-21	
Date:08 -	27-04		Station:	LDW-C	3	
Start/Stop time: /טט	טר			X:		
Sampling Method: fargute	1 clan	n collecti	on	Y:		
Sampling Method: Weather: Overcase Crew: BC, TD, D	e-		Sample ID:	LDW-C3-TI		
Crew: <u>Bc, TD, D</u> I	ρ					
Clam species	#	Shell length (cm)	Clam species		#	Shell length (cm)
Mya arenaria	/	7.9	Mua	arenana	24	5.6
	2	8.2	1	W W W	22	58
	3	7.3		· · · · · · · · · · · · · · · · · · ·	23	5 3
	4	7.4			24	5.3 4.9
	5	8.8			25	4.7
	6	6.8			20	5.1
	7	7.1				
	8	7.1				
	9	6.1				
	/0	6.5		7	***************************************	
	l ll	6.0			***************************************	
	12	8.4				
	13	8.4				
	14	8.3			···········	
	15	9.3				
	16	7.7				
	17	6.2				
	18	6.0				
	19	6.1			****	
7	20	5.1				
Comments:		·				·

			, , , , , , , , , , , , , , , , , , , ,			
						······
			· · · · · · · · · · · · · · · · · · ·			

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Project Name:	Ben -27-0	thiz	Project no. 04_0	8-06-2	e.I
Date: 08	-27-0	y	Station: LAW	-C3	
Start/Stop time: /0	45		X:		
Method: faraci	ted c	lam coli	lectron "		
Weather:	1		Sample		
Ovincas	1-		1D: LDW-C3-	T2	
Crew: DP, BC,	11)	lam coli			
	·				
Clam species	#	Shell	Clam species	#	Shell length
		length			(cm)
	<u> </u>	(cm)			
Mya arenawa		7.0	Mya azenaria	21	8.1
	2	7.1		22	7.9
	3	7.5			
	4	7.5 8.5			
	5	6.8			
	6	6.2			
	7	6.8			
	8	7.1			
	9	7.0			
	10	6.4		-	
	11	5.3			
	12	62			
	13	6.2 7.5			
	14	8.3	· · ·		
	15				
	16	8.3 8.6			
		7.1		<u> </u>	
	17	· · · · · · · · · · · · · · · · · · ·	·		
	18	8.4			
	19	5.8			
	20	8.5			
A				·	
Comments:					
and the state of t					



Project Name:	LAW	Bent	In C	Project no.	04-08-0	Ne-21	
Date:	08 -	Bent 27-01	1	Station:	LDW-		
Start/Stop time:	071				X:		
Sampling Method:	tarueto	ed da	m collection	m m	Y:		
Weather:	unny/a	verlas	m collecti	Sample ID:	LOW- CH-	-T	
Crew:	1P, TD; 1	3C					
Clam species		#	Shell length (cm)	Clam species	\$	#	Shell length (cm)
Mya aren	anh	. /	8.3	Mara	Balon Bara	21	6.7
J 1	2010(Z	73	- Mya	arenava L	22	6.4
		3	7.3 7.9			00	0.7
		_ <u></u> 4	9.1		V		
	•	5	8.3		***************************************		
		<u>.</u>	8.2				
			7.1				
		78	7.8				
		9	8.0				
		10	2.6				
		11	7.1				
		12	8,9				
		13	8.3				
		14	77				
		15	7.5	· · · · · · · · · · · · · · · · · · ·			
		14	7.2				
		17	7.4				
		18	4.7				
		19	5.)				
4		20	5.7				
The second secon		L				. <u></u>	
Comments:							
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
						Western Commence	



		66-21	04-08-0	Project no.	17	Berth	LDW	Project Name:
			LON-C	Station:	<u> </u>	27-04	68-	Date:
		<u> </u>	X:		G	na n	/3/	Start/Stop time:
			Y:	-	as collecto	dela	- tunk	Sampling Method:
				Sample	we concern	or Crw	angero	Weather:
		5-T	WW- C5	ID:		-	overcas	· rounion
					m collecti		C, OP, TD	Crew: BC
ngth	Shell len	#		Clam species	Shell length	#	***	Clam species
	1/ -			 	(cm)	 		11 . 0
	· · · · · · · · · · · · · · · · · · ·		arenaina	Mya a		_/	ienaria	Mya an
		22			7.5	12		
		23			7.9	+		
		24			8.1	 		
	8.1	25			8.7	5		
	8.0	24			8.	6		
	Į	27		/	7.5	7		
	7.0	1	/	\bot \lor	7.6	8		
						9		
					8.4	10		
					7.8	11		
					8.2	12		
	******					13		Oronage
						14		Control
						15		11/2 Charles
						16	-	- Andrews
						1		
								1
						19		To the same of the
		·			5.9	10		V
		<u> </u>		- SIMPLIFIC SHOWS AND A STATE OF THE STATE O				
		· · · · · · · · · · · · · · · · · · ·						Comments:
			The state of the s					
		· · · · · · · · · · · · · · · · · · ·		***************************************				
						· · · · · · · · · · · · · · · · · · ·		
	4.3 9.0 8.7 8.1 8.0 6.9 7.0	24 25	uesassa	Mya	9.0 7.5 7.9 8.1 8.7 8.1 7.5 7.6 8.1 8.4	7 8 9 10 11 12 13 14 15 16 17		



Project Name:	ow Benthic	101.	Project no.	MI NO	101	7,
			Station:	04-08	- UQ -	<u> </u>
·	18-25-04	30	X			
·	375 - 01	30				
Method: far	geted clas	n sangline	•	•		
Weather:			Sample	<u> </u>		
overca	sb-		ID:	LDW-CG-T		
Crew: HA, BC	<u>, 44 ,</u>	ne sayphos				j
					Γ.	/
Clam species	#	Shell length	Clam species		#	Shell length (cm)
		(cm)				(om)
Mya areasia	1	8.9	Mrsia		21	8.1
mya arenna	2	8.6	Mrya		22	8.0
	3	7.8				
	4	8.8				
	5	8.3				
	6	8.2				
	7	7.4				
	8	9,2		·		
	9	6.9		elahan dan kacamatan kacamatan kacamatan kacamatan kacamatan kacamatan kacamatan kacamatan kacamatan kacamatan		
	10	6.0				
	11	5.7	<u> </u>	***************************************		
	12	4.8				
	13	4.9				
	14	5.4				
	15	5.9				
	16	7.0			!	
	17	8.3				
	18	8.6				
	19	9,5				
	20	7.3				
The state of the s		<u>., 4°5</u> 1				
Comments:						
			Value - Control and Control an			
				OCANICATE SUCCESSION IN THE SECTION OF THE SECTION		
					-	



Project Name:	LOW	Bath	iZ	Project no.	04-6	98-06	- 21
Date:	08	- 26 -02	1	Station:		C7	
Start/Stop time:	01	10-			X:		
Sampling Method:	target	ed cla	m collect	hon	Y:		
Weather:	Junny			Sample ID:	LOW-C7-	TI	
Crew:	HA						
Clam species		#	Shell length (cm)	Clam species	S	#	Shell length (cm)
Macoma n	iasnta	,	Q.3				
1		2	2,3				
٧		3	2.2				
Myaares	racia	4	7.5				
		5	6.2				
		6	7.1				
		7	7.8				
		8	7.3		W-1/1/1		
		9	5.7				
		10	7.5				
		11	8.3				
		12	6.4				
		13	5,1				
		14	6.le				····
		15	8,1				
		16	8.9		A Company of the Assessment of the Company of the C		
		17	7.2				
		18	9,0		***************************************		
		19	8.7		and the second s		
		20	7.8	and the same of th			
Comments:							
				· . ·			
							



Project Name: Date: Start/Stop time: Sampling Method: Weather: Crew:	08-7 071	ed c		Project no. Station:	04-08 LDW-1 X: Y: LDW-C7-T:		
Clam species	·	#	Shell length (cm)	Clam species	S	#	Shell length (cm)
llyaare	nario	1	7.2	Mrs a	anes ania	21	5.8
J		2	7.3	1	menaria	22	6.7
·		3	7.8				<i>w, y</i>
		Ч	7.5				
		5	5.6		***************************************		
		le	7.2				
		7	6.8				
		8	82				
		7	7.4				
		10	4.9				
Carry Park		Ш	3,6				
9		12	5.1				
		13	7.5		3		
		14	6.8				
		15	8.0		•		
		16	8.1				
		17	8.1				
		18	7.5				
		19	5.9				
V		20	6.2				
							<u> </u>
Comments:							

FINAL



Project Name:	LOW	Barte	ر ا	Project no.	04-03	3-06-	21
Date:		8-26 -c		Station:	1100	3-06- C8	
Start/Stop time:		men num			X:	<u> </u>	
Sampling Method:	targe	Led ch	am collec	toon	Y:		
Weather:	Sunny		am Collec	Sample ID:	LDW-C8-T	-	
Crew: BC	, HA, J	N					
Clam species		#	Shell length (cm)	Clam species	5	#	Shell length (cm)
Mya aren	aria	1	10.0	Maya	auren	U	3.8
<u> </u>		2	8.5	•		22	4.7
		3	7.0	1		23	3.8
		4	7.0				
		5	7.7				
		6	7.1				
		7	5.4				
		8	6.4				
		9	7.8				
		10	5.8				
		10	8,4				
74.00		12	7.8				
200		13	8.0	<u> </u>			
		14	7.7				
		15	7.4	-			
		16	3.9				
		17	6.4		•		
	<u> </u>	18	5.0				
		19	5.4				
V		20	6.4				
		***************************************				Annual Marie Control	
Comments:							
			7				
						 -	



Project Name:	LDW R	enthic	'Clam		Project no.	AU - AG	- AT - 21	
Date:	09	-25-0	u ann		Station:	07-08	-06-21 9	
Start/Stop time:		- 093			Oldion.	X:	7	
						Y:		
Method:	target	ed cla	im Colles	cho-		1.		
Weather:			,,	2.5	Sample		· · · · · · · · · · · · · · · · · · ·	
	overeast			<u> </u>	ID:	LDW-C9-	T	
Crew:	tanget Overeast 4, BC, DM	P						
Clam species		#	Shell length	CI	am species	}	#	Shell length (cm)
			(cm)					
Mya aren	aria	/	8,1		Mya a	henaria	21	3.7
		Z	9.3				22	8,0
		3	9.0					
		4	7.1					
		5	7.9					
		6	8.0					
		7	6.9					
		8	7.5					
		9	8.9					
		/ b	9.0					
		//	8.5					
		12	9,0					
		13	8.4		· · · · · · · · · · · · · · · · · · ·			
		14	6.3					
		15	8.5					1
		16	9.3					
		17	9.3 9.1					
		18	8.0					
		19	8,0					
4		20	5,6					
					THE STATE OF THE S			
Comments:							· · · · · · · · · · · · · · · · · · ·	
					·····		·	,

FINAL.



Project Nam	ne: LDW Bentinic (Ntartyden)	Project no.	04-08-06-21
Date:	08-25-07	Station:	C10
Start/Stop ti	me: 0545/0930	_	X:
Sampling Method:	targeted clam sampling	-	Y:
Weather:	overcast, no rain	Sample ID:	LDW - C10 - T1
	MW, JN, BB BB		

Clam species	#	Shell length	Clam species	#	Shell length (cm)
		(cm)			
Mya arenaria	/	8.7	Mya arenaria	21	8.7
	Z	7.5	Mya anemaria		
		7.9		-	
	4	7.5	į.		
	5	8.5			
	6	7.0			
	1	6.2			
	8	7.7			
	9	5.3			
4	lo	2.9			
Macoma nasnta t Mya avenaria	u	2. 2			
Ł	/2	2, Z			
Mua avenaria	/3	6.2			
J	14	6.4			
	15	7.2	· ·		
	16	6.7			
	12	8.3			
	/8	6.8			
	19	6.7			
	20	8,3			

Comments:	
Sediment = gravelly @ higher elevations, clay content increased near	
This composite collected at Northern end of 7117, many clams or	hows
found near debns (logs, rocks, pilings, etc).	



Project Name:	ibu Beathic Intertidal	Project no.	04-08-06-21
Date:	08-25-04	— Station:	CIO
Start/Stop time:	0545 / 0930		X:
Sampling Method:	targeted clam sampling	-	Y:
Weather:	wast, no rain	— Sample ID:	LDW-C10-T2
	, JN, BB		

Clam species	#	Shell length	Clam species	#	Shell length
		(cm)			
Mya arenavia	/	4.2			
	2	6.2			
	3	7.0			
	4	86			
	5	8.5			
	6	6.8			
	7	6.2			
	8	7.8			
	9	6.7		-	
V	10	6.8			
Macoma rasuta V Mya aranawa	11	2.0			
V	12-	2.4			
Mya aranawa	13	2.Ce			
	14	6.7			
	15	7.7			***
	16	7.6			
	17	7.6	. 143		
	18	8,1			
<u> </u>	19	75			

Comments:
Sediment = Same as TI
This composite collected from northern end to approximately the southern
bound of TIT property (fence line). Tide came in and shows
were not as apparent as they were earlier in am.

Attachment E-4: Laboratory Clam Length Forms



Project Name:	/Am	Beat	hiz laved	Project no.	All AQ	6691	
Date:		26-04		Station:	<u>04-08-</u>		
Start/Stop time:				Grandin.	CDW-C	1	
Sampling	0900	0 - 1015			Y:		
Method:	tain	ted c	land collec	chon	1.		
Weather:	8	, C - C	lans collec	Sample			
	Sunny			ID:	LDW-CI-T		
Crew:	Sunray Dr. Mw.	KÇ					
Clam species		#	Sheli length (cm)	Clam specie	es	#	Shell length (cm)
Mya aren	aria	1	79	Made	arenaria	21	5.7
1		2	7.5	1 194	1	22	6.6
		3	5.5			23	6.7
	· · · · · · · · · · · · · · · · · · ·	ч	7.9			24	6,1
		5	6.0			25	2.9
		6	6.2		<u></u>	15	6.1
		7	7.6			 	
		8	6.6		`		
		9	7.0				
		10	 			ļ	
			₹6.9			<u> </u>	
			3,2		F.,	-	
		12	2.9				
		13	2.2				
		14 15	6.7				
			7.7				
		16	8.2	*			
		17	7.4		·		
		18	2.2				
1/		20	4.9	<u> </u>			
		w	5.4				
Comments:					the state of the s		
Comments.			<u> </u>				
						· · · · · · · · · · · · · · · · · · ·	



Project Name:		Project		
	LDW Beuthic Invert	no.	04-08-06-21	
Date:	08-26-04	Station:	LDW- C2-T1	
Start/Stop time:	0645 - 0810		X:	_
Sampling Method:	targeted class sampling		Y:	
vveatner:	inny	Sample ID:	LDW- CZ-TI	
Crew: M	w ^J			

Clam species	#	Shell length	Clam species	#	Shell length (cm)
		(cm)			
Mya arenaria	1	6.5	Mya arenaria	21	4.3
	2	6.7		22	4,3
	3	5.7		23	2,3
	4	6.1		24	3.1
		4.5		75	7.4
	<u>le</u>	5.1		24	5.8
	7	5,8		27	6,4
	8	5.5		78	4.6
	9	6.6		29	3.8
	10	7.3		30	3.7
		6.2		31	2.9
	12	5.6	V	32	4.6
	13	5.0			
	14	6.0			
	15	4.8			
	16	5.1			
	17	4.7			
	18	4,9			
	19	4.3			
V	20	3,9			

Comments:	Collected by	MW.	
	Mucky goil.	Mw. 1 clay content	
			West Commission of the Commiss



Project Name:	LOW Benthic Invent	Project no.	04-08-06-21	
Date:	08-26-04	Station:	LDW-CZ	
Start/Stop time:	0645-0810	_	X:	
Sampling Method:	targeted class collection	_	Y:	
Weather:		Sample		
	Sumy	ID:	LAW-CZ-TZ	
Crew:	DP, KG			_

Clam species	#	Shell length	Clam species	#	Shell length (cm)
11		(cm)			07
Mya arenaria	1	7.9	Mya arenava	21	8.7
	2	7.8	 	72	8,9
	3	8.6		23	7.4
	4	7.5		24	89
	5	8.2		25	9.9
	6	7.2		24	7.8
	1	7.6		27	6.7
	8	6.3		28	7.7
	9	8.9		29	7.1
	10	7.9	- Control of the Cont	30	7.6
	-1	9.9	T Common	31	
	12	7.7	j	32	6.5
	13	74	Akanasa Salahan	33	8.9
	14	7.1		34	7.7
	15	6.7		35	7.2
	16	6.5		36	7.9
	17	3.4		37	8,0
	18	9.7		38	7.5
	19	8.4		39	8.6
V	20	7.7		40	6.8

Comments:			
	The same of the sa		



Project Name:	NW Ross	thiz Inve	Project no.	M	na ni	21
Date:	08 - 26		Station:		08-06 W-C2	- 2.7
Start/Stop time:	0645-			X:	00-02	
Sampling Method: +aa		am collec	ction	Y:		
vveaulei.	•		Sample ID:	LDW -CZ	2-TZ	
Crew: Sunny	}					
Clam species	#	Shell length (cm)	Clam species	;	#	Shell length (cm)
Mya arenaria	41	7.2				
	42	8,1				
	43	7.2				
	44	8.0				
	45	8.5				
	46	7.6				
	47	7.9				
	48	7.9				
	49	8.4				
	50	7.9				
	51	7.4				
<u> </u>	52	79				
Comments:						
						-
				-		



Project Name:	Benth	<u>ب</u>	Project	All was a	1	
Date:	1300 104 27-04	<u></u>	no. Station:	04-08-06	2-21	
Start/Stop time: /00			Station:	<u> </u>	3	
Sampling Method: Weather: Overcase Crew: BC, TO, DE		collection	<u> </u>	Y:		
Weather:	-	L CONTENTO	Sample			
overcast			ID:	LDW-C3-TI		
Crew: <u>BC</u> , TD, DA	<u> </u>				 	
Clam species	#	Shell length	Clam species)	#	Shell length (cm)
71	ļ.,	(cm)	<u> </u>			<u> </u>
Mya arenaria	/	7.9	Mya	arenava	24	5,6
	2	8.2			22	58
	3	7.3			23	5.3
	4	7.4 8.8			24	9,9
	_5	8.8			25	4.7 5.1
	6	6.8	V		20	5.1
	7	7.1				
	7 8 9	7.1				
	9	6.1				
	/0	6.5				
	l1	6.0				
	12	8.4				
	13	8.9		•		
	14	8.3				
	15	9.3				
	16	7.7				
	17	6.2				
	18	6.0				
	19	6.1				
N	20	5.1				
<u> </u>			<u> </u>			
Comments:					. , .	
				,		



Project Name:	Ben	Harz	Project no.	AU A	6 h/ m	. 1
Date: 08	Ben -27-0	71	Station:	109-0	8-06-2	<i>1</i>
Start/Stop time: /0	45	7	Station.		-C3	
Sampling ,	75			X:		
Method:	ted a	loom call	10 ction	Y:		
Weather:	100	Consul (Dol	Sample			
ovucas	1		ID:	LDW-C3-	ナッ	
Crew: DP, BC,	TD	lam coli				
Clam species	#	Shell	Clam species	3	#	Shell length
-,	"	length	Olain species	•	#	(cm)
•		(cm)				
Mya arenawa	/	7.0	Mya	genaria	21	8.1
	2	7.1		1	22	7.9
	3	7.5				
	4	7.5 8.5				
	5	6.8				
	6	6.2				
	7	6.8				
	8	7.1		***************************************		
	9	7.0				
	10	6.4				
	11	5.3				
	12	62				
	13	6.2 7.5				
	14	8.3				
	15	8.3				
	16	8.6				
	17	7.1			<u></u>	
	18	8.4				
	19	5,8	-			
	20	8.5				
	00	2.3			<u></u>	
Comments:						
					 	
						· · · · · · · · · · · · · · · · · · ·

E-4 6 of 15



Project Name:	n	и	Project no. 04	/ AO A
	10W Benthic 08-27-04			1-08-04-21
<u> </u>	0745 - 0870			LDW-C4
Sampling	45 - 0	810	X: Y:	
Method: Farget	ed d	am colled	tion "	
Weather:	/	. /	Sample	
Sampling Method: Weather: Sunny Crew: DP, TD,	Overlas Oc	14-	ID: LOw	r- C4-T
<u></u>	156			
Clam species	#	Shell	Clam species	# Shell length
		length		(cm)
Mya arenavia		(cm)		
Mya arenana	/	8.3	Mya arene	ava 21 6.7
<u> </u>	2	7.3		22 6.4
	3	7.9		
	4	9.1		
	5	8.3		
	6	8.2		
	1	7.1		
	8	7.8		
	9	8.0		
	10	2.6		
	11	7.1		
	12	8.9		
	13	8.3		
	14	77		
	15	7.5		
	16	7.2		
	17	7.4	A Value of the state of the sta	
	18	4.7		
	19	5.)		
	20	5.7		
<u> </u>				
Comments:				· · · · · · · · · · · · · · · · · · ·
	····		P-40	
The state of the s				MANUAL TO THE TOTAL THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE T
			· · · · · · · · · · · · · · · · · · ·	



Project Name:	Berth	57	Project no.	04-08-	66-21	
Date: 68-	27-04		Station:	LOW- C	1	
O. 1101		907		X:	<i></i>	
Start/Stop time: Sampling Method: Weather: Over(as) Crew: BC, DP, TD	dela	na collec	him	Y:		
Weather:	or crw	WE COLLECT	Sample			
_ ovuras	1		ID:	WW- C5	T-T	
Crew: BC, OP, TO						
Clam species	#	Shell length	Clam species		#	Shell length (cm)
		(cm)				
Mya arenavia	/	9.0	llya	arenaisa	21	4.3
	2	7.5	/		22	9,0
	3	7.9 8.1			23	8.7
	4	8.1			24	8.1
	5	8.7		•	25	8.1
	6	8.1			24	8.0
	7	7.5		1	27	6.9
	8	7.6	Y	<i>}</i> /	28	7.0
	9	8.7				
	10	8.4				
	//	7.8				
	12	8.2	-			
	13	7.5				
en esta en esta en esta en esta en esta en esta en esta en esta en esta en esta en esta en esta en esta en est	14	8.2				
	15	7.4				
	16	6.8				
	17	6.7		,		
	10	6.3				
	19	4.7		**************************************	· · · · · · · · · · · · · · · · · · ·	
Ą	20	5.9				
THE PERSON NAMED OF THE PE					I	<u> </u>
Comments:				a et et an et an et an et an et an et an et an et an et an et an et an et an et an et an et an et an et an et		
						
				· · · · · · · · · · · · · · · · · · ·		
			MAN-1			



Project Name:	DW Bouthin	101.	Project no. /)u	50 00-	21
Date:				-08-06-	
	08-25-04		X:	Cle	
	0545 - 09	30			
Method: $\frac{1}{4}$	ergeted class	m sampling			
Weather:	cast	n saysling	Sample ID: LDW - C	6-T	
Crew: HA, B	C, DP				
,					
Clam species	#	Shell length (cm)	Clam species	#	Shell length (cm)
Mya arenaria		8.9	Mrsia	21	8.1
- roga acquera	2	8.6	Mrya	22	8.0
	3	7.8			
	4	8.8			
	5	8-3	· · · · · · · · · · · · · · · · · · ·		
	6	8.2			
	7	7.4			
	8	9,2			
	9	6.9			
	10	6.0			
	1	5.7			
	12	4.8			
	13	4.9			
	14	5.4	apage apage		
		5.9			
	16	7.0	1,4,6,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,		
	17	8.3			
	18	8.6			
	19	9,5			-
<u> </u>	20	7.3			
Comments:				, , , , , , , , , , , , , , , , , , ,	
Comments.					
		····			
		······································			
	·	····			



Project Name:	180	a st	9 11	Project			
Date:	LDW Beathie 08-26-04 0725 - fargeted class collection Sunny HA			no.		08-06	
Start/Stop time:	08.	26-02	1	Station:		C7	
Sampling	04	15_		·	X:		
Method:	taract	ed cl	m collec	toon	Y:		
Weather:	100000	<u> </u>	and Collec	Sample			······································
Su	inns			ID:	LOW-C7-	TI	
Crew:	A						
Clam species		#	Shell length	Clam species	\$	#	Shell length (cm)
			(cm)				
Macoma na	enta	,	Q.3				
)		2	2,3				
٧		3	2.2				
Mya arene	ecia	4	7.5				
		5	6.2				
		6	7.1				
		7	7.8				
		8	7.3		·		
		9	5.7				
		10	7.5				
		11	8.3				
		12	6.4				
		13	511				
		14	6.le				
		15	8.1		·		
		16	8.9				
		17	7.2		·		
		18	9,0		· · · · · · · · · · · · · · · · · · ·		
		19	8.7				
		20	7.8				
Comments:					· · · · · · · · · · · · · · · · · · ·		
·			· · · · · · · · · · · · · · · · · · ·	···			

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Project Name:	. o . L		Project no.	ص / ب <u>م</u>			
The state of the s	Bent				04-08-06-21		
	26-01	1	Station:	LDW-	C7		
	145			(:			
Sampling Method: +argu	uted c	lans colle	ctro	/ :			
Weather:			Sample	LDW-C7-T	· · · · · · · · · · · · · · · · · · ·		
Crew: BC, TN	HA			000-01-1		<u> </u>	
						·	
Clam species	#	Shell	Clam species		#	Shell length	
		length				(cm)	
		(cm)					
Myagrenaria		7.2	Mya an	eraria	21	5.8	
4	2	7.3	o de	-	22	6.7	
	3	7.8					
	4	7.5					
	5	5.6					
	6	7.2		p			
	7	6.8	·				
	8	8.2					
	7	7.4					
	10	4.9					
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	13	7.5					
	14	6.8	_				
	15	8.0					
	16	8.1		······································			
	17	8.1					
	18	7.5					
4	19	5.9					
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Comments:							

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Project Name:	v Barte	1. 7	Project no.	OU a	# 01 '	2.1
	08-26-		Station:		8-06- -C8	<u> </u>
Start/Stop time:	0945			X:	-08	
Sampling Method: Weather: Sunny Crew: BC HA		lana callec	bon	Y:		
Weather:	nen u	ann conec	Sample			
Sunny			ID:	LDW-C8-7	-	
Crew: BC, HA,	TN					
Clam species	#	Shell length	Clam species	}	#	Shell length (cm)
		(cm)				
Mya arenaria	1	10.0	Urra	aneron_	21	3.8
	2	8.5		anever-	22	4.7
	3	7.0	1	/	23	3.8
	.4	7.0				
	5	7.7				
	6	ネ				
	7	5.4				
	8	6.4				
	9	7.8				
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	11	8.4				
	12	7.8		-		
	13	€.0				
	14	7.7				
	15	7.4		·		
	16	3.9				
	17	6.4				
	18	5.0				
	19	5.4				
	20	6.4				
Comments:				· · · · · · · · · · · · · · · · · · ·		



Project Name:	LAW Benthic	/ Cla.	Project no.	AU na.	Λι. 21	
Date:	08 - 25 - 1	ou can		04-08- C9	06-21	
Start/Stop time:	0545-098			. <u>95.7</u>		
	tangeted ch	Pam College	tho~	:		
Weather:	tangeted cl overeast t, Bc, DMP	,i	Sample ID:	-SW-C9-T	-	
Crew: H	+, BC, DMP					
Clam species	#	Shell length (cm)	Clam species		#	Shell length (cm)
Mya aren	aria /	8.1	Marie 2.0		21	3.7
- 1	2	9.3	Mya are		22	8,0
	3	8.0			100	
	4	7.1				
	5	7.9		<u> </u>		
	6	8.0				4
	7	6.9				The state of the s
	8	7.5				
	9	8.9				
	/6	9.0		de de description consideration de la consider		
	//	8.5		,		
	12	9,0				
	13	8.4				
	14	6.3				
	15	8.5				
	16	9.3				
	17	9,1				
	18	8.0		-		
	19	8,0				
4	20	5,6				
Comments:						
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Project Name:	LDW Bentinic (Nearly deal	Project no.	04-08-06-21
Date:	08-25-04	Station:	CIO
Start/Stop time:	0545/0930	_	X:
Sampling Method:	targeted clam sampling	_	Y:
Weather:	, ,	Sample	
	neast, no rain	ID:	LDW-C10-T1
Crew: MW	, IN, BB BB		

Clam species	#	Shell length	Clam species	#	Shell length (cm)
		(cm)			
Mya arenaria		8.7-	Mya arenaria	21	8.7
	Z	7.5	Mya arenasia		
	3	7.9			
	4	7.5			
	5	8.5			
	6	7.0			
	7	6.2			
	8	7.7			
	9	5.3			
- √	10	2.9			
Macoma nasata t Mya arenasia	lı	2.2			
Ł	12	2. 2			
Mya arenasia	/3	6.2			
J	14	6.4			
	15	7.2			
	16	6.7			
	12	8.3			
	18	6.8			
	19	6.7			
	10	8.3			

Comments:	
Sediment = gravelly @ higher elevations, clay content increased near	
water (low tide), Soft, easy to dig	
This composite collected at northern end of TITT, many clams ors	hows
found near debn's (logs rocks, pilines, etc).	



Project Name:	ibw Ba	athic la	itertidal	Project no.	04-08-0) le-21	
Date:	08-25	-04		Station:	C10		
Start/Stop time:	0545 /	0930			X:		
Sampling Method:	•		Sampline		Y:		
Weather:	wast,	no rai	Sampling n	Sample ID:	LDW-C10-7	<i>r</i> 2	
Crew:mw	, JN, B	В					
Clam species	·	#	Shell length (cm)	Clam species	S	#	Shell length (cm)
Mya arena	ria	1	6.2				
	7211.0020	2	6.2				
		3	7.0				
	· · · · · · · · · · · · · · · · · · ·	4	86				
		5	8.5				
		6	6.8		***************************************		
		7	6.2		· · · · · · · · · · · · · · · · · · ·		
		8	7.8				
		9	6.7				
₩		10	6.8				
Macoma nas V Mya asena	inta	11	2.0				
V		12	2.4		·		
Mya arona	vä	13	2.Ce				
		14	6.7				
		15	7.7				
		16	7.6		AND THE RESERVE OF THE PERSON		
		17	7.6	Annie de la companie de la companie de la companie de la companie de la companie de la companie de la companie	11.719		
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4		19	75				
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Comments:							
Sediment=							
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This composition of	1117	roperte	y (fence	Ine). Tide	came 11	r ano	Shows
were not	us a	pparen	t as th	y were -	earlier in	am.	

Attachment E-5: Background Clam Collection Field Notes

1/23/04 Seahorst Park: Clam Reference Sampling (Photo#106-0647) Crew: Tad, Sarah, Linda, Bob, Derek aime @ sita: 6:40 am: Cloudy, foggy, warm Low tide + SURMSR @ 7:00am Clam Sample 1: sampled by Long (Photo #106-0649) Frished @ 8:00 am 47° 28 517 N Win 5' of this point ~25 small clams, cobble/sandy substrate, near south most bench lots of shells on surface, many w/ bareholes, snails Clan samples 2-5: sampled by RAC, SS, TD (EPA split will come from one of these) finished @ 8:10 am (Photo#106-0648) -1990 31. 897 M W/N 201 of this point larger clams, sandy substrate, just south of picnic shelter Clan sample 6: collected by linda (same as photo above) finished @ 8:10 am 47 28.625 N all w/in 10' of this point 1220 21, 897W same substrate as above, near eelgrass beds, near picnic shulter

6 butter + horse?

CKEW: Angre, Thai Do Manyaum Welson, Rodryway Shannon Prence, Kathy God Helia) Clam Background Collection Windward Governmental Low tide = 0658 9/23/04 Fay Bainlandge State Park Approximate area Composite Crew Coords 50' line to water 4742309N Manjam 15 122 30 433W (415) 10' line Angie 21 47 42 282 N 122 30 433 W (-5 19) 3 Thai 20' × 50' (to rate) (5/3) 47 42 275 122 30 420 4742262N 12230408W 201 > 201 Shannon (2/5/ 5 Kathy/Elsa 401 × 401 12 47 42 249 N 122 30 395 W (Blarge) Whai warm a Angie 4742034 N 12230383 W 13 (51g) 919. (24) 47 42 212 122 30 373

E-5 2 of 3 Clam Background Collection Windward Environmental Lowfrde = 0803 9/24/04

FAM BANBRIDGE STATE PARK crew: Manjann Welsch, Shannon Pierce Composite # clams #clus gran SP+MW 13 Same coords; found hotes from yesterday (9/23/54) 76

MM

Attachment E-6: Background Clam Collection Forms



	1 Clamsa	wylnao. 04-08-	04-08-06-22			
Background 9/23/04		Station: SP				
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taxacted of a	m collec	hin Y: filla	710 re 3			
Drucast	7.1, 10 (000	Sample ID: SP-TI				
AMA						
#	Shell length	Clam species	#	Shell length (cm)		
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19						
	Faryted cla Overcast DMP # 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 14 15	Targula Clam 10 llc Overcast DMP # Shell length (cm) mm 1 36 2 44 3 37 4 39 5 29 6 30 7 33 8 34 9 37 10 29 11 26 12 30 13 31 14 36 15 36 16 31 17 30	Targeted Clam 10 Clam Species SP-T1	Targeted Clam 10 Clam species # Shell length (CM) MM		

Wind	Ward
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Project Name:	Background	Background Claw Samphono.  9123104 Station: SP  X: full 115165						
Date:	9123/104	COMPT CONT	Station: SP					
Start/Stop time:	1200		X: () 1					
Sampling Method:	taracted rea	~ rollectro	X: fred	<del>d MKS</del>	· · · · · · · · · · · · · · · · · · ·			
Weather:	targeted cla	· · · · · · · · · · · · · · · · · · ·	Sample ID: SP-T					
Crew:	BC							
Clam species	#	Shell length	Clam species	#	Shell length			
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Project Name:	Clam Background		Project no.	04-08-06-22			
Date:	9 23/04		Station:	<u>S</u> P			
Start/Stop time:	Fam			X: ( / / /	noks		
Sampling Method:		em collecti		Y: Hill	MOKS		
Weather:	targeted cl		Sample !D:	SP-T3			
Crew:							
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Project Name:	Back	Worden	d Aam San	Project	04-08-06 -	22
Date:	9/	23/04		Station: SP	04-08-01e - Seahwrst	Park
Start/Stop time:	7	1200	am collect		A lace	
Sampling	,	. 1	1	$\frac{X:}{Y:}$	uld notes	
Method:	targe	cted of	am collect	i <del>ir</del>		
Weather:				Sample	£	
Crown	OVV	icust		ID: SP-	74	
Crew:	וטו					
Clam species		#	Shell length	Clam species	#	Shell length
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Comments:				
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Project Name:	Qum Backgro 9/23/04	wood	Project no.	04-08	-06-22	•
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Weather:	overcast		Sample ID:	SP-15		
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Project Name:	Back	muzd	Clam San	Project	04-08-0 BI X:	34-27	
Date:	972	04	Scant Jan	Station:	DT .	70-1	.1.
Start/Stop time:	FAM	7			X:	Bacheri	ege
Sampling Method:			n sampling		Y:		· ·
Weather:	Dagu			Sample ID:	BI- T3		
Crew:	TH	A1 D8					
Clam species		#	Shell length (cm) mm	Clam species	S	#	Shell length (cm)
C. nuttal		,	66				
<u> </u>	bE	2	31				
	····	3					
		4	35 26				
M. nusuta		1/5	45	-	<del></del>		
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		37	43			·····	
		48	46				
		57	69				
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C. nuttali	<b>*</b>	5/12	7-8				- A deliminary or an analysis of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second
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Project Name:	arkama d C	land Can al	Project	n4 h2	-06×23	,
Date:	ackground Co	- II (C) VI III II	Station:	BAINBRIDGO	-06-22	
Start/Stop time:	74M		<del></del>	X:	<u> </u>	<i>2</i> D
Sampling Method:	Targeted clas	m samolina	·	Y:		
Weather:	0999	<u> </u>	Sample ID:	BI-T4		
Crew: ≤P						
Clam species	#	Shell length	Clam specie	s	#	Shell length (cm)
		(SPIT) NAM				
C. nuttalii	12	67				
	2	71				
	3	78				
Protothaca Sta	minea 14	52				
	25	45				
	26	20				
S. giganteus	17	82				
	18	61				
M. nasuta	19	54				
	210	51				
	311	41				
7	5/12	23		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	
T. capax	V13	104				
L'	214	104				
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ANTIFORM					<del>, I , </del>	
Comments: Proto	baca stamine	a identified	by its s	unten ligame	ut fine	pattern
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Project Name:	Packara	neared of	lâm collec	Project no.	04-0	3-06-2	7
Date:	9/2	3/04	TOOM CALLE	Station:	BI		
Start/Stop time:		Fam			X:		
Sampling Method:	taractes	dam	Compline	<del></del>	Y:		
Weather:	Fogg	ry	-1/-7	Sample ID:	BI · TS		
Crew:	KG						
Clam species		#	Shell length	Clam species	s	#	Shell length (cm)
	· 		(cm) Mm				
S. giaante	ua-	1	99				
S. gigante M. Nasuf		2	96				
M. Nasur	<u> </u>	3	ŜŜ				
		5.	44				
		5.	47				
		6	30				
~ ~	7 _	7	35				
S gigant C. butta	Chi	8	95				
C. POELTTEE	<u> </u>	10	Ge1				
		11	78 90				
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Date: Start/Stop time: Sampling Method: Weather:  Background Clam Sampling Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station: Station:	)
Start/Stop time: X:	)
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Method: fargeted clam collection	···
Weather: Sample	
1019 ID: R1 - 10	
Crew: TD/AR/KG/SP/MW	
Clam species # Shell Clam species # Shell let	gth
length (cm)	
(cm) Mm	
C. nuttalii 1 87 Tresus capup 21 9;	-
Z 79	
3 80	
(6)	***************************************
5 86	
6 83	
Tresus capaxo 7 89 Tresus capaxo 8 70	
Tresus capaso 8 70	
3,918 angelle 1 18	
16 47	
M. nasuta 11 48	
12 56	
13 59	
14 56	
15 44	
16 64	
C. nuttalii 17 3289	
S, gigantene 18 102	
Tresus capas 19 160	
Tresus capaso 20 119	
•	
Comments:	
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Project Name:	Clam background			Project 04-08-06-22			
Date:	9/7/	4/04	)	Station:	BI	04	
Start/Stop time:		00-08	ס ש		X:		
Sampling					Y:		
Method:	tange	ted C	lam colle	ction			
Weather:	vuast	-		Sample ID:	BI-T2		
Crew:	SP			10.	D-1 1 4		
	<u> </u>						
Clam species	***************************************	#	Shell	Clam specie	S	#	Shell length
			length	Angelogia anaka			(cm)
N 11.0	•	1	(cm) mm 43		-		
( nuttali	1	2	30			***************************************	
M. Nasuta		3	56	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			-
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Lower Duwamish Waterway Group

**FINAL** 

Benthic Invertebrate QAPP Appendix A-E July 30, 2004 Page 26



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Crew:	SP					
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Clam species		#	Shell length (orn) m/v~	Clam species	#	Shell length (cm)
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Tresus ca	Ĭ .	2	38			
S. giganto	us	3	94			
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4		5	52			
C. nutati	i (cockles)		86			
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Lower Duwamish Waterway Group

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Benthic Invertebrate QAPP Appendix A-E July 30, 2004 Page 26

Date: 1/24 DV Station: BT  Start/Stop time: 0470 - 0800	r rojour riamo.	(!lam!	packa	nund	no.	04-08-	06-22	
Start Stop time: Sampling Method: Haryta claim (ollution Sampling ID: BI-T5  Crew: MW Sl  Clam species # Shell length (cm) (cm)  Buffer (S. gianton)   944   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100	Date:	1/20	1040		Station:			
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Lower Duwamish Waterway Group

Port of Seattle | City of Seattle | King County | The Booing Company

**FINAL** 

Benthic Invertebrate QAPP Appendix A-E July 30, 2004 Page 26

## **Attachment E-7: Corrective Action Forms**





Project Name and Number:	LDU	04-08-00	6-21
Sample Dates Involved:	- 8/30/0°		04 AND 9/23-24/00
Measurement Parameter:	41-012	17.07	<u> </u>
	SAMPLING	TIME OF	CLAMS AT
	BACK GROUND	ALLAS	
Acceptable Data Range:	_	MIB PLAT	SAM PLING OF
CLAMS BY I	4E BACK GROUND		SHOULD BE
Problem Areas Requiring Correct	PERIOD OX 8/30-	9/10/04	
Measures Required to Correct F	<del></del>	IPLINIC WAS	DERMYED TO
9/23-24/04, 70	Thre ADVANTAG	E OF THE	LOWEST TIDES
AUATLABLE			
Means of Detecting Problems ar	nd Verifying Correction:		
Initiators Name: 2 Project Officer: QA Officer:	alun chuder	Date Date	e:



Project Name and Number:  Sample Dates Involved:
Place involved.
NOMBON OF CLAMS AND DODANICED
BETWEEN CLAIM SAMPLING AKORS MT CIO
Acceptable Data Range: R PIE OAPP SMIES A MINIMOUN OF 20  CLAMS MYO THAT PIE TWO SAMPLING ANCHE SHOULD
BE SCHMAR S400LB
Problem Areas Requiring Corrective Action:  DE CLAMS WAS LOCATED IN A REPATIVELY SMALL  ANCA AT THE WONTHER WO DY THE INTER TONE AREA  Measures Required to Correct Problem:  COLLEGED BEFORE THE TIDE COURSED THE AREA, BELAUSE IT  WAS DIFFICULT TO FIND CLAMS THE TYPE SAMPLING WAS DEPARTED.
Means of Detecting Problems and Verifying Correction:  OUCK LIPPON
Project Officer:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:  Date:



Project Name and Number: \( \int \Dw \) \( \text{OY} \) \( \text{OY} \) \( \text{OY} \) \( \text{OY} \) \( \text{OY} \)	
Sample Dates Involved: $2/27/04$ And $9/30/04$	
Measurement Parameter:	
SMITION LOUPTION	
Acceptable Data Range:	
Problem Areas Requiring Corrective Action: Vous Little INTO-Travic Troops	
WENE PRESENT AT THE TWO SAMPLING LOCATIONS BZa MOB9a	
Measures Required to Correct Problem: STATTOW BZG WAS MOUGH AF ABOX MARCOLL WILLE TO HE NOWN OF PHE OMIGINAL LOCATION AND BGG	ry
APPROXIMATORY 0.2 MILES TO THE SOUTH DX THE ORIGIONAL LOCATION	
Means of Detecting Problems and Verifying Correction:	
Initiators Name: Jell 5 And Nam Date: P/30/04	
Project Officer:  Date:	
QA Officer: Jad Darker Date: 10/4/04	



Project Name and Number Sample Dates Involved: Measurement Parameter:	SAMPLING PERLOS OF BENDLIC INVOLTE BRATE
Acceptable Data Range:	THE DAPP SPATES THAT BENTHIC INVOCATE BRATES COLLECTED BETWEEN 8/9 AND 8/20/04
Dage	WAS VERY TIME CONSUMING AND IT WAS NOT IT IN THAT TIME PHAME. PERSON SAMPLES WORK OR TO PEDEX OR COCUMBE
Initiators Name:	Jal Coll Date: 9/24/04  Date: 10/4/04



Project Name and Number: Sample Dates Involved: Measurement Parameter:	2DW 04.08-06-21 8/17/04 & 8/27/04
Problem Areas Requiring Corrective Action  Symmetry AT SOMME  MUD MADE IT VO  Measures Required to Correct Problem:	ONLY 2 TRAPUSET WERE  ON BELAVSE DE VOLY SOKT  UN DIAFICULT TO SAMILE  10 ADDITIONAL FRAMES  ONL THE DV OF THE VKIMBRY
Initiators Name:  Project Officer:  QA Officer:  Aul	Date: P/27/04 Date: Date: 10/4/04



Project Name and Nur Sample Dates Involved Measurement Parame	d:	LDW P/26/ DISTANCE	04 = 9	08-06. 124/04 Wrzw	ZI TRANSEZ	- IS
Problem Areas Requiring  AVERA 10  AT TW  Measures Required to the second of Detecting Pro-	DISTANCE SHOVED  IN AWAY  O STATIONS	BOWEN BE FROM B39 Stef MANSE	10 m Pock Pres Ano BS	COUCHO PRIMAN G CACED STATION	of AND I	3m B39,
Initiators Name: Project Officer: QA Officer:	Sall is ch	editan Q		Date: Date:	8/26/04 10/4/04	« 9/24/04 -