## APPENDIX C: COLLECTION FORMS, FIELD NOTES, AND LABORATORY FORMS

ATTACHMENT C-1: BENTHIC INVERTEBRATE AND SEDIMENT COLLECTION FORMS
ATTACHMENT C-2: FIELD NOTES
ATTACHMENT C-3: LABORATORY BENTHIC INVERTEBRATE WEIGHT FORMS
ATTACHMENT C-4: CORRECTIVE ACTION FORMS



BI Taxonomic Data Report

Port of Seattle / City of Seattle / King County / The Boeing Company

## Attachment C-1: Benthic Invertebrate and Sediment Collection Forms



BI Taxonomic Data Report

Port of Seattle / City of Seattle / King County / The Boeing Company

win	Ward environmental LL	G SURFAC	E SEDIMEN	IT COLLE	CTION FORM	
Project Name				and the second sec	CHOREOKW	
		Dw		Project	•	
Date:	8/1	2/04	·····	no.	·	
Start/Stop tim	e: 1046			Station: -	Bla	
Sampling Method:		21350			X:	
Weather:	·····	- -			Y:	
weather:	Summe	1.10.		Sample -		
Crew:	Summy, NWV, TD, SP	warm		ID:		
	m, m, m, sp	, HA OV	esight T	G.TN		···
Subsample #:		·····		17		
Sampling gear:	<u>1-5</u> San	nple depth:	Pene	tration depth	10-cz Time	
- and and gear.	·			•	Acceptable sample	· · · · · · · · · · · · · · · · · · ·
type:	color:	a da	·		(circle)	yes ne
cobble	drab olive	odor:		Comme	nts:	
gravel	(gray)	fione	H₂S			
and CMF	black	slight	petroleum	r	*•	
lit clay	brown	moderate	other:			
arganic matter	brown surface	strong				
ubsample #:	/					
ampling gear;	<u>II IO</u> Gain	ole depth:	Penetra	ation depth	10m Time:	
					Acceptable sample	yes no
/pe:	color:	odor:			_ (circle)	<b>y</b> es no
obble	drab olive	(none)		Comment	s:	
avel	(gray)	slight	H <sub>2</sub> S			
nd C M F	black	moderate	petroleum			
t clay	(brown)	strong	other:	· ·		
anic matter	brown surface	overwhelming				
bsample #:	······································	e depth:		L	· · · · ·	
mpling gear:	···		Penetrat	ion depth	Time:	<u> </u>
					Acceptable sample	yes no
e:	color:	odor:		Commente	(circle)	
ble	drab olive	none	H <sub>2</sub> S	Comments		
vel	gray	slight	petroleum			
dCMF	black	moderate	other:			
clay	brown	strong			•	
anic matter	brown surface	overwheiming	}	-1	•	
CAO # 4			[	9 a.		

SURFACE SEDIMENT COLLECTION FORM onmental Project Name: Project no. Date: Station: Start/Stop time: X: noklos Sampling Y: Method: Weather: Sample warm ID: Crew: Subsample #: Sample depth: 11-15 Penetration depth Time: Sampling gear: Acceptable sample yeş no (circle) type: color: gelor Comments: cobble) drab olive none H<sub>2</sub>S ample Aclay gravel gray slight petroleum mostly sandy silt in officer plots sand Q M F black moderate other: silt clay brown strong organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: . . Sampling gear. Acceptable sample ves no (circle) type: color: odor: Comments: cobble drab olive none H<sub>2</sub>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 по (circle) type: color: odor: Comments: cobble drab olive none H<sub>2</sub>S gravel gray slight petroleum sand C M F.<sup>2</sup> black moderate other: silt clay brown strong organic matter brown surface overwheiming

$\bigcirc$	Wind	Ward	SURFACE S	BEDIMENT	COLLECTI	on Form	
	Project Name:	10	W	Pi	roject o.	• • •	
	Date:	08-13-	ou		tation:	Baa	·•
	Start/Stop time:	-	\$1300		X:		
	Sampling Method:	<i></i>	1.0.5		<u>Y:</u>	hotc-boo	<del>1</del> ~
ı	Weather:	Sunny	Narm	. Sa	ample );		
	Crew:	WV / TD/S	P Mga	SAIC	······································		· · · · · · · · · · · · · · · · · · ·
	Subsample #:	lat Some	o donih-	<u> </u>			
	Sampling gear:	<u>1-5</u> Sampl		Penetra	ation depth	Time Acceptable sample	
			· · · · · · · · · · · · · · · · · · ·		·····	(circle)	yes no
	type: cobble	color: drab olive	odor:		Comments		
	gravel		none	H₂S	Muci	ty / Especial	ily at
	(sand to MF)	gray black	slight moderate	petroleum	Imales	France	·
	silt clay	brown	strong	other:	- Al	ty Especial t-sample ince of mottle	- + day
DIONIEST	organic matter	brown surface	overwhelming		Eriac	me or monice.	styleys
devation	Subsample #:		e depth:	Penetra	tion depth	Time:	
Clowest . elevation	Sampling gear.					Acceptable sample	yes no
	1	· · · · · · · · · · · · · · · · · · ·			(circle)		
of wood	type:	color:	odor:		Comments	aa	
	cobble	drab olive	Tione	H <sub>2</sub> S	same	re	
	gravel sand C M F) (	gray	slight	petroleum			
	Silt clay	black	moderate	other:			
	organic matter	brown brown surface	strong				
<		1	overwhelming	Deve et et et		· · · · · · · · · · · · · · · · · · ·	
	Sampling gear:	<u>//-/5</u> Sample	- ucpui.		tion depth	Time:	
	ipinig goodi					Acceptable sample (circle)	yês no
	type:	color:	odor:	······································	Comments:	<u> </u>	
	cobble	drab olive	none	H <sub>2</sub> S	did	not bave en	and
	gravel	gray	slight	petroleum	L.	not have en to collect t Unis toanse	- orgo
	sand CME	Colacie	moderate	other:	Time	TO COLLECT T	USENE
	silt day	brown	strong		ont	Ins transe	d-
	organic matter	brown surface	overwhelming	·····			

C-1 3 of 35

Wir	Ward	C SURFAC	E SEDIME	NT COLLE	CTION FORM	•
Project Nar	ne:				CHOM FORM	
Date:				Project no.		
Start/Stop ti	me: 065	6 -		Station:	334	
Sampling Method:				•	<u>X:</u> Y:	
Weather:					· ·	
Crew:	AN, TO	SP, K	WIN LI	Sample ID: (KC)	SAIC	
Subsample #	t 18 See					· · · · · · · · · · · · · · · · · · ·
Sampling gea		nple depth:	Pene	tration depth	Time	
					Acceptable sample	
type: cobble	color:	odor:		Commu	(Circle)	yes no
gravel	drab olive	none	H <sub>2</sub> S	Comme	nts:	
sand CMF	gray	slight	petroleun	n ALC	ME MMIS	
silt ctay	biack	moderate	other;		10 10/13	
organic matter	brown	strong				
Subsample #:			1			
Sampling gear.	Sam	ole depth:	Penetr	ation depth	Time:	
				·	Acceptable sample	
type:	color:	odor;				yes no
cobble	drab olive	none		Comment	ls:	
gravel	gray	slight	H <sub>2</sub> S			
sand C M F	black	moderate	petroleum other:			
silt clay	brown	strong .	ourer,		· .	
organic matter	brown surface	overwhelming			•	
Subsample #:	Sampl	e depth:	Penotra	[	·	
Sampling gear:		,		lion depth	Time:	
type:	color:	T			Acceptable sample (circle)	yes no
cobble	drab ofive	odor:		Comments		·
gravel	gray	none	H <sub>2</sub> S			
sand C M F	black	slight	petroleum			•
silt clay	brown	moderate	other:			
organic matter	brown surface	strong	.			
		overwhelming				•

(

÷

Wind Ward

SURFACE SEDIMENT COLLECTION FORM

Project Na	ກລາ				OTON FURIN	
	HG,			Project		
Date:	81			no.		
Start/Stop ti	100.01	14/04		Station:	2	14
Sampling		0-1300			<u></u> <u>.</u>	49
Method:					<u>X.</u> Y:	
Weather:	+				1.	
	SUNN	1		Sample		
Crew:	SP, CM,			ID:		
·	21, 11,	MA, M.	<u>6-</u>			
Subsample #						· 
Sampling ger	<u>1-5</u> Sa	mple depth:	Pen	etration depth	10	
	Prime 6	cons		- and acbut	<u></u>	ie: 1030-1300
type:	color:	·····	·····		Acceptable sample (circle)	e Yes no
cobble	drab olive	odor:		Comme		
gravel		none	H <sub>2</sub> S	TOP	Or pronsoc	r
sand)C M F	gray Son	on slight	petroleur	m 6424	itury w/ Lo	
(silt clay)	black	moderate	other:	unsi	in 1/ 201	r or once
	(brown) TO 1	1		00000	in of Manso	or ruppy
organic matter	brown surfac	e overwhelming	I			
Subsample #:	<u>6~10</u> Sam	ple depth:				
Sampling gear:	PRAME,	Ē19 —	r cneu	ration depth	10 cm Time	: 1030-1300
type:					Acceptable sample	yes no
cobble	Color:	odor:		1 Comment	(circle)	
	drab olive	none	H <sub>2</sub> S	Comment		
gravel	(gray	slight	petroleum	Dign g	soct "HUDPY"	MROUGHOUT
(sand C M F	biack	moderate		BUT	very sorr	AT Deer
silt clay	brown	strong	other:	Some	m	in prog
organic matter	brown surface	overwhelming			1	
Subsample #:	the second s	e depth:				1
Sampling gear:	• • • • • • • • • • • • • • • • •		Penetra	tion depth	Time:	
	<b></b>			-	Acceptable sample	
type:	color:	odor:		r	(circle)	yes no
cobble	drab olive	none		Comments:		
gravel	gray	slight	H <sub>2</sub> S			·
sand C M F	black	moderate	petroleum			
silt clay	brown		other:			1
organic matter	brown surface	strong				
		overwhelming				1

)

Υ.,

. .

Wing	Ward	SURFACE	SEDIMENT		CTION FORM
Project Name: Date:				Project no.	
Start/Stop time	8/15/			Station:	849
Sampling	<u> </u>	1045			X:
Method:				,	Y:
Weather:					
	SUNNY	(		Sample D:	
Crew: _C	SUNNY U, JF, T	D. Un			
·····			······		
Subsample #:	11-15 Samp	ole depth:	Penetr	ation depth	
Sampling gear:	FRAM	£ —	······		Acceptable sample
type:		·······		<u> </u>	(circle) yes no
cobbie	color: drab olive	odor:	·	Comme	
(gravel)	gray	none	H <sub>2</sub> S	TOP	OF AMUSCIT WAS
(sand)C M F	Giad WITU	slight	petroleum	Bono	• • •
silt clay	brown DV		other:		mont w/ shear odon
Organic matter	brown surface	overwhelming			•
Subsample #:		le depth:			
Sampling gear.	oumpi		Penetra	tion depth	Time:
					Acceptable sample yes no (circle)
type:	color:	odor:		Commen	
cobbie	drab olive	none	H <sub>2</sub> S		
gravel	gray	slight	petroleum	{	
sand C M F	black	moderate	other:		
silt clay	brown	strong			
organic matter	brown surface	overwheiming			· · · ·
Subsample #:	Sample	e depth:	Penetrat	ion depth	Time:
Sampling gear:					Acceptable sample yes no (circle)
type:	color:	odor:		Comment	
cobble	drab olive	none	H <sub>2</sub> S		
gravel	gray	slight	petroleum		
sand C M F	black	moderate	other:		
silt clay	brown	strong		•	
organic matter	brown surface	overwheimina			•

· · · . [

``

C-1 6 of 35

Wir	environmental	C SURFA	CE SEDIME	NT COLLE	ECTION FORM	4
Project Narr Date:		how		Project no.		
Start/Stop tir Sampling	ne: 720	- 1120		Station:	X:	201
Method: Weather:					Y:	
Crew:	AN, TT	DUDY DP, RO	. MA	Sample ID:		
Subsample #: Sampling gear	<u>1-30</u> Sar	nple depth:	Pene	tration depth		me;
type:	color:				Acceptable samp (circle)	
cobble gravel sand C M F silt clay organic matter Subsample #:	drab olive gray black bond brown such brown surface	Slight 04 moderate P	g		nts:	,00 10
Sampling gear:			Penetra	ation depth	Tim	
type: cobble	color: drab olive	odor:		Comment	Acceptable sampl (circle)	e yes no
gravel sand C M F	gray black	none slight moderate	H <sub>2</sub> S petroleum		о <b>.</b>	
silt clay organic matter	brown brown surface	strong	other:			
Subsample #: Sampling gear:	Sample		Penetrati	on depth	Time:	
type: cobble	color:	odor:		Comments:	Acceptable sample (circle)	yes no
gravel	drab olive gray black	none slight	H <sub>2</sub> S petroleum	comments:		
silt clay	prown	moderate strong overwhelming	other:			

()

ţ,

Wind Ward

1

SURFACE SEDIMENT COLLECTION FORM

Project Name: Date: Start/Stop time Sampling Method: Weather: Crew: <u>C</u>	\$/15 LOSS SUNM	-1315	\$	Project no. Station: X Y: Sample D:	Bba		
Subsample #: Sampling gear:	<u>1-5</u> Samp	le depth:	Penetr	ation depth	Acceptable sample		10
type: cobble gravel sand C M F sitt clay organic matter	color: drab olive fray black \$0104 brown 104 brown surface	odor: None slight moderate strong overwhelming	H₂S petroleum other:	BLOCK		Conor	
Subsample #: Sampling gear:	6-10 Sample	the second s	Penetra	tion depth	10-2 Time: Acceptable sample	yes ne	
type: cobble gravel sand C M F silt/clay organic matter	color: drab olive grav black brown brown surface	odor: none slight moderate strong overwhelming	H <sub>2</sub> S petroleum other:	Comments	(circle) :: /AS (~5		
Subsample #: Sampling gear:	<u>// ~/S</u> Sample	depth:	Penetrati	on depth	Acceptable sample (circle)	yes no	
type: cobble graver sand C M F silt clay organic matter	color: drab olive gray black brown brown surface	odor: none slight moderate strong overwhelming	H <sub>2</sub> S petroleum other:	Comments:			

Wind	Ward	SURFACE S	EDIMENT	COLLECTI	ON FORM	•	
Project Name:	CON P	battur.		roject	kal ma		•
Date:				0. 	04-08-06-2	<u>1</u>	
Start/Stop time:	08-30		s	itation:	B.	ta	
Sampling		- 1400		<u>X:</u>			<u></u>
Method:				Y:			
Weather:				ample ):			
Crew: 7	D, MW, FM			· · · · · · · · · · · · · · · · · · ·			
Subsample #:	1-5 Sample	e depth:	Penetr	ation depth	Time:		
Sampling gear:			V Cheu		Acceptable sample (circle)	yes	no
type:	color:	odor:		Comments			
cobble	drab olive	none	H₂S	A stavel	close to riprap		
gravel	gray	slight	petroleum	19	close to riprap by		
sand OM F	black	moderate	other:	V. Muc	ey		
silt clay	brown	strong		5.5			1
organic matter	brown surface	overwhelming					
Subsample #:	0-10 Sample	depth:	Penetra	tion depth	Time:	<u> </u>	
Sampling gear.	<u>y</u>				Acceptable sample (circle)	yes	no
type:	color	odor:		Comments:			
cobble	drab olive	none	H <sub>2</sub> S	- Comments.			
gravel	gray	slight	petroleum				
(sand)()))F	black)	moderate	other:	San	le l		
silt clay	brown	strong	onior.				
organic matter	brown surface	overwhelming			•		
Subsample #:	-/5 Sample		Penetra	tion depth	Time:		
Sampling gear:			I GROUE	· -	Acceptable sample (circle)	yes	no
type:	color:	odor;		Comments:			
cobble	drab olive	none	H <sub>2</sub> S				
gravel	gray	slight	petroleum				
Gand C MF	black	moderate	other:	San	re		
silt clay	brown	strong		San			
organic matter	brown surface	overwhelming	• 				

 $\left( \right)$ 

į

C-1 9 of 35

Wind	Ward	SURFACE	SEDIMENT	COLLEC	TION FORM
Project Name:				roject o.	
Date: Start/Stop time: Sampling Method: Weather:		nmunity	\$	tation: 7	3CA-3, BRa
	Hy Cloudy Rodriquez, C BCA-3 Samp	Pierce, M.	any Aun U	Velsh	
Sampling gear:	<u>DOID</u> or th	<u> </u>	<u>ćm</u> Penetra	nion depin	Acceptable sample yes no
Sampling gear: type: cobble gravel sand C M F	color: drab olive gray black	odor: none slight moderate strong overwhelming e depth: {> odor: none slight moderate	H <sub>2</sub> S petroleum other: M Penetra H <sub>2</sub> S petroleum other:	tion depth	Time: 12:15 Acceptable sample (ves) no (circle)
silt clay organic matter Subsample #:	brown brown surface Sample	strong overwhelming depth:	Penetrat	on depth	Time:
Sampling gear:	/ ····				Acceptable sample yes no (circle)
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 <sub>2</sub> S petroleum other:	Comment	S:

(

C-1 10 of 35

	Wind	Ward	SURFACE §	SEDIMENT	COLLEC	TION F	ORM		· · ·
	Project Name: Date:	LON Be		nn	roject o		-08-06-2		
	Start/Stop time:	08-27		S	tation:		<u>W-B9a</u>		<b>-</b> .
	Sampling Method: Weather:	- 0800 - 1 Field fissu	+ sediment ex collection	n		(: (:	• ·		-
	(	overcast-		IC		L. AME- H	399 -T		
	Crew: 1/	IW, MEL, B	B, Mansee	h		U CIVIL E		<u></u>	<del>~</del>
		· · · · · · · · · · · · · · · · · · ·						·····	
	Subsample #:	/-5 Sampl	e depth: 🔬	Penetra	ation depth		Time:		1.
	Sampling gear:				•	Acce (circl	ptable sample	yes no	
	type:	color:	odor:		Comme	nts:			
	cobble (	drab olive) (	none	H <sub>2</sub> S <sup>,</sup>	<b>]</b> .,		а I		
ļ	gravel	gray	slight	petroleum	am	conta	nt was hi in on beg mples had	gher	
9	sand CMF	black	moderate	other:	1 up	highe	n on beg	kh.	•
$\triangleleft$	silt day	brown	strong		Low	est-sa	males had	high .	
	organic matter	brown surface	overwhelming		San	rel con	tent. V.I.	the set	u's. Fairby
		6-10 Sample	e depth:	Penetra	tion depth		Time:		la burra ca se a la
	Sampling gear:					Acce (circl	eptable sample	yes no	homogenous Matrix.
Į	type:	color:	odor:		Commer				101001-7-1
	cobbie	drab olive	none	H <sub>2</sub> S	1				
	gravel	gray	slight	petroleum	Son	me			
ł	sand CMF	black	moderate	other:	1				
đ	stit clay	brown	strong .					·	
Ī	organic matter	brown surface	overwhelming		· · .				- -
	Subsample #; 1	0-/5 Sample	depth:	Penetra	tion depth	·	Time:	· · · · · · · · · · · · · · · · · · ·	
	Sampling gear:				•	Acce (circl	ptable sample	yes no	
	type:	color:	odor:		Commen				
ſ	cobble	drab olive	none	H <sub>2</sub> S	1				
	gravel	-gray	slight	petroleum	San	e			
k	sand CMF	black	moderate	other;		-			
ł	silt clay	brown	strong		J .			×.	
ſ	organic matter	brown surface	overwhelming				•		
-	· · · · · · · · · · · · · · · · · · ·	and a second			L				ł

•

. . .

SURFACE SEDIMENT COLLECTION FORM LLC Project Name: Project the Invert LDW Ben no. 04-08-1 Date: 8.25.04 Station: B10a Start/Stop time: 0725 X: Sampling Y: Method: hand Weather: Sample overcast LOW-BIDG-S ID: Crew: Shannon naelita ō. Subsample #: Sample depth: Penetration depth Time: Sampling gear: glass beaker 200 mil Acceptable sample yes nö (circle) type: color: odor: Comments: cobble drab olive none 200 subsample H<sub>2</sub>S nL gravel gray slight petroleum takon sand & M F black moderate . other: Frames on silt clay brown strong transecto organic matter brown surface overwhelming Subsample #: Sample depth: Penetration depth Time: Sampling gear: Acceptable sample yes по (circle) type: color: odor: Comments: cobble drab olive none H<sub>2</sub>S aravei 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 по (circle) type: color: odor: Comments: cobble drab olive none H<sub>2</sub>S gravel gray slight petroleum sand C M F black moderate other: silt clay brown strong organic matter brown surface overwhelming

....

C-1 12 of 35

Wind	Ward ILC	SURFACE S	EDIMENT	COLLECT	TON FORM		•
Project Name:		<b>N</b> 2 2 3 <b>1</b>	Pi	roject			
		DW	nc	•			
Date:		6104	St	ation:	BCA-	1	
Start/Stop time:				X:			
Sampling Method:				Y:			
Weather:	PANTLY	LOUDY	Sa	ample			<u> </u>
Crew:				·····			·
Subsample #:	1~ Sampl	e depth:	Penetra	tion depth	10m T	ime:	
Sampling gear:	•••••••			aon acpui	Acceptable sam		по
type:	color:	odor:		Commen	ts:		
cobble	drab olive	none	H <sub>2</sub> S	SILY	SAMO W	Lors 0	r
gravel	gray	slight	petroleum	40000		now	
(sand C M F	black)	moderate	other:	SULFA	ve renne		
silt day	brown	strong		AFC	w cen I	Dun	. 0004
organic matter)	brown surface	overwhelming		Urpar	VAL OF T	WINSCO	1
Subsample #:	Sample	e depth:	Penetra	tion depth		īme:	
Sampling gear:				•	Acceptable san (circle)	nple yes	no
type:	color:	odor:		Comment		·····	
cobble	drab olive	none	H <sub>2</sub> S				
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	īme:	
Sampling gear:	·····	·	· · ·		Acceptable san (circle)	nple yes	no
type:	color:	odor:		Comment			
cobble	drab olive	none	H₂S	1		•	
gravel	gray	slight	petroleum				
sand C M F	black	moderate	other:				
silt clay	brown	strong	•				
organic matter	brown surface	overwhelming		ł			1

(

Ì

C-1 13 of 35

Wind	Ward	SURFACE	SEDIMENT	Colu	-07J		DM	·
Project Name:	60	с. 4)	P	roject	-91		ι Γινι Γ	
Date:	912	27.104	· · · · · · · · · · · · · · · · · · ·	tation:			11	Ь
Start/Stop time:					X:		14	2
Sampling Method:					Y:			. <u></u> ,
Weather:			s	ample				
			JE					-
						······		
Contract "								
Subsample #:	<u>7</u> Sampl	e depth:	Penetra	ation dep	th	7.5	Time:	0945
Sampling gear:	. •	-				Accepta	ble sample	yes no
type:	color:	odor:		0		(circle)		0
cobble	drab olive	none	H₂S	Comn	ients	: 	-	
grave	gráy	slight	petroleum					
sand C MF	black	moderate	other;					
silt clay	brown	strong	omer;	4	12	34.	0 GP	
organic matter	brown surface	overwhelming		1 . 12	2	20	£933	
Subsample #:	Sample	depth: 5	1 Penotro	tion dept				
Sampling gear:	· · · · · · · · · · · · · · · · ·		<u>, , , , , , , , , , , , , , , , , , , </u>	aon dept			Time: able sample	<u>0955</u> yes 🔞
type:	color.	odor:				(circle)	· · ·	-
cobble	drab olive	none	H <sub>2</sub> S	Comm	ents:			
grave	gray	slight	petroleum			•		
sand C M F	black	moderate	other:	ļ				
silt clay	brown	strong	outer.	4	12	34.	070	
organic matter	brown surface	overwhelming		12		20.	935	-
Subsample #:	G Sample		2~2_Penetrat			59 7	<u> </u>	1000
Sampling gear:	· ·	· <u> </u>			• 5		ble sample	<u>1000</u> Уез по
type:	color:	odor:		Comme	onter			
cobble	drab olive	none	H <sub>2</sub> S			*		
grave	gray)	slight	petroleum			`-	ťĊ	
and C MF	black	moderate	other:					
silt clay	brown	strong		4	ア	Г- 34,	070	
organic matter	brown surface	overwhelming		izz	۲.	20.	930	
		3				· · · ·	130	

()

HAD TO MOUS OUT INTO BALL DUS TO HALD ROCKY BOTTOM ł

. .

				COLLECTIO	on r oran	
Project Name:		4.)		oject		
Date:	<u> </u>				- 1.	
Start/Stop time:	1	27/01	St	ation:	<u>B/b</u>	
Sampling			<u> </u>	<u>X:</u>	•	
Method:	VAN L	Im		Y:		
Weather:		<u> </u>	Sa	mple		
	CLOUDY		ID.			
Crew: <u>R</u>	- DP, HA	MOLOON				
		•				
Subsample #:	10 Samp	le depth: 5	/ Penetra	tion depth	(+ 7+ Time:	105
Sampling gear:	•			·	Acceptable sample	m
tunai		<del>η</del>			(circle)	ves no
type: cobble	color:	odor:		Comments:		
gravel	drab olive	none	H₂S		TTC	
sand C MF	gray	slight	petroleum			
silt clay	black	moderate	other:	47	34,070	
organic matter	brown	strong			20.927	N. 1
	brown surface	overwhelming	·		20 7 20	is.
Subsample #:	Sampl	e depth;	Penetrat	ion depth	Time:	1040
Sampling gear:	•				Acceptable sample	yes no
type:	color:	odor:			(circle)	
cobble	drab olive	none		Comments:		
gravel	gray		H₂S .		-	
sand C M F	black	slight moderate	petroleum			
silt clay	brown	strong	other:	47	- 34,020	
organic matter	brown surface	overwhelming		122		
Subsample #:			Denst. "	·		
Sampling gear:		e depth: <u>51</u>	Penetrati	on depth 9		1043
3 3 4 4 1					Acceptable sample (circle)	no (
type:	color:	odor:		Comments:		
cobble	drab olive	none)	H₂S		T-1	
ravel	Gray	slight	petroleum		T-1C 134.070	
sand C MF	black	moderate	other;	1.4*	1 1 1 A -	
silt clay	brown	strong		~	20, 936	

• •

Sec. 1 SURFACE SEDIMENT COLLECTION FORM omental Project Name: Project Low no. Date: 9127/04 Station: R2b Start/Stop time: 1330 X: Sampling Y: Method: VAN VON Weather: Sample SUMMY ID: Crew: HA ЪP. MOLCOW Subsample #: 40 Sample depth: Penetration depth P Time: 1330 (o Sampling gear: Acceptable sample yes, ' no (circle) type: color: odor: Comments: cobble drab olive none Å H<sub>2</sub>S gravel gray) slight T-tC\_ petroleum sand C M F black moderate other: silt clay 47 33,455 brown strong organic matter 122 20,647 brown surface overwhelming Subsample #: 2 Sample depth: 42 Penetration depth 357  $\lambda \subset .$ 9 Time: Sampling gear: Acceptable sample ves no Śr type: color: odor: Comments: cobble 🦻 drab olive none H<sub>2</sub>S gravel gray slight petroleum 1 sand C M F black moderate other: silt clay 454 33. brown 47 strong organic matter brown surface overwhelming 122 20. 649 Subsample #: 2 Sample depth: Penetration depth Time: 141 Sampling gear. Acceptable sample 21 yes ഹ (circle) type: color: odor: Comments: cobble drab olive none H<sub>2</sub>S gravel gray slight petroleum sand C M F black moderate www.rt other; 47 33. silt clay brown strong . 20 640 organic matter 122 brown surface overwhelming

Wing	Ward environmental LLC	SURFACE	SEDIMENT	COLLECT	ION FORM		
Project Name:		LDW	· Pi	roject			•
Date:	9	127/04	SI	tation:	326		
Start/Stop time	1330			X:		<u> </u>	
Sampling Method:				Y:			
Weather:	V Au	VEON				·	
weamer:	Saul	Й		ample	•	······································	
Crew:			ID	:			
\$		th maro	<u>~~</u>				
Subsample #:	At Come						
Sampling gear:		le depth:		tion depth	7.5 6 Time:	1420	
Company goar,	· .	43	2 mlb- 1		Acceptable sample (circle)	yes no	
type:	color:	odor:		Comments	<u>,</u>	<u> </u>	
cobble	drab olive	none	H₂S	Continiente	_		
gravel	gray	slight	petroleum		T+C		
sand C MF	black	moderate	other:				
silt day	brown	strong		ί (	17.33. 455		
organic matter	brown surface	overwhelming	I		120 20, 649		
Subsample #:	5 Sampl	e depth: Y		lion depth	Time:		
Sampling gear:		·		aoput	Acceptable sample	1445 yes (no)	
		· ·			(circle)		
type:	color:	odor:		Comments	· · · · · · · · · · · · · · · · · · ·		
cobble	drab olive	none	H₂S				
gravel	gray	slight	petroleum				÷
sand C M F	black	moderate	other:		17.33.456		÷
silt clay	brown	strong					
organic matter	brown surface	overwhelming		1	22,20.645		
Subsample #:	Sample	e depth: 4	Penetrati	ion depth	7, 7 cm Time:	1447-	•
Sampling gear:		<u></u>		•	Acceptable sample	ves) no	
hinor	T	T			(circle)		
type:	color:	odor:		Comments:			
cobble	drab olive	none	H₂S		TUT	1 2	۰.
gravel	gray	slight	petroleum		T+T	l ·	· .
sand CMF	black	moderate	other:	47	33, 455		
silticlay	brown	strong		• 1	20.649	1 4 A	•
organic matter	brown surface	overwhelming		122	NU . U VI		

( .

•

يې گېرې د رو د

Wind Ward	
enviringmenta	

## SURFACE SEDIMENT COLLECTION FORM

Project Name:	j	DW	Pr	oject			
Date:	8/10	Iny		,. ation:	<u> </u>	836	
Start/Stop time:	1420 -	1540			X:	639	
Sampling					Y:		
Weather:	SUWNY		Sa ID	imple :		· · · · · · · · · · · · · · · · · · ·	
Method:     VAN     Vern       Weather:     Sample $Sun M$ ID:       Crew: $Rain Ni DP, FMA$							
Subsample #:	Y Sample	depth: 1P	Penetra	tion dep	th	quin Time:	
Sampling gear:			~			Acceptable sample yes no	
type:	color:	odor:		Comm	nents:		
cobble	drab olive	none	H₂S			T	
grave	grave Some	slight	petroleum			,	
Sand C M F	black	moderate	other:				
silt clay	brown ior	strong					
organic matter	brown surface	overwhelming					
Subsample #: _ Sampling gear:	<u>5</u> Sample	depth:/	Penetra	tion dep	th <u>/</u>	Acceptable sample ves no	
type:	color:	odor:		Comm	nents:		
cobble	drab olive	none	H <sub>2</sub> S		*	· ~ ·	
gravel	(gray)	slight	petroleum		17	tC	
sand CMF	black corrig	moderate	other:				
silt clay	brown TOP	strong					
organic matter	brown surface	overwhelming				•	
Subsample #:	Sample	depth:	Penetrat	ion dept	ih	Time:	
Sampling gear:					-	Acceptable sample yes no (circie)	
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					

÷2

SURFACE SEDIMENT COLLECTION FORM Project Name: Project no. Date: 836 17104 Station: Start/Stop time: 1 D 45 X: Sampling Y: Von Method: Vin Weather: Sample SUNN ID: Crew: ON, TO, WA Subsample #: ち Sample depth: 3-19/ Penetration depth 13013 m Time: 1038 Sampling gear: Acceptable sample (ves) no (circle) type: color: odor: Comments: 7+C cobble drab olive none H<sub>2</sub>S gravel gray slight petroleum Y7 33 378 sand C M F black moderate other: filt clay 122 brown strong 20.399 organic matter brown surface overwhelming Subsample #: Sample depth: VIS-TY | Penetration depth pg Time: 1120 Sampling gear: Acceptable sample /yes) no (circle) type: color: odor: Comments: 17 none cobble drab olive TID H<sub>2</sub>S : gravel) gray slight petroleum 10 sand C M F black moderate other: 47 33, 275 64460 (sil)clay) brown strong 122 20.390. organic matter brown surface overwhelming 12,9a Subsample #: Ÿ Sample depth: 21 Penetration depth 1150 Time: Sampling gear. (yes) no Acceptable sample (circle) type: color: odor: Comments: Ttl 1700) cobble drab olive none H<sub>2</sub>S gravel gray slight 0 petroleum 47 53. 376 sand C M F (black ) Berry moderate other: BA160 silt clay brown) 1701 strong 122 20.390 organic matter brown surface overwheiming

Project Name:		)iv		oject		
Date:			ЛО.		3.1.1	—
Start/Stop time:		28/04	Q(8	ition:	BY6	
Sampling			·	<u>X:</u> Y:	· · · · · · · · · · · · · · · · · · ·	_
Method:	VAW	Ven		T		
Weather:		~	Sa	mple		
<u> </u>	CLOUR	14	ID:		•	
Crew: <u>}</u>	TD. NA.	-			<u>-</u>	
	ι - <i>Ι</i>					
Subsample #:	1 Sample	e depth:	Penetral	ion depth	16.5,17,5 Time: \$30	- T
Sampling gear:					Acceptable sample	-
					Acceptable sample (ves) no	_ `
type:	color:	odor:	·	Comments		
cobble	drab olive	none	H <sub>2</sub> S		THE	
gravel	(gray)	slight	petroleum			
sand C MF	olack)	moderate	other: 🕌		47 33. 056	
sift clay	brown	strong	- 22 A		128 20 375	
organic matter	brown surface	overwhelming	<b>4</b>			ļ
Subsample #:	2 Sample	depth: 15	Penetrat	ion depth	142 14 Time: 900	
Sampling gear:			·····		Acceptable sample yes no	<b>-</b>
	· · · · · · · · · · · · · · · · · · ·	······		, <del>-</del>	(circle).	<b></b> :
уре:	color:	odor:		Comments	S:	
cobble	drab olive	none	H <sub>2</sub> S		T-IC	
gravel	gra	slight	petroleum			
and CMF	black	moderate	other:		47 33,056	
sil clay	brown	strong				
organic matter	brown surface	overwhelming			122 20. 376	
Subsample #:	S Sample	depth: <u>I</u> Y	Penetrat	ion depth	132, 14 Time: 0930	
Sampling gear:					Acceptable sample ves no	
	1 · · · · · · · · · · · · · · · · · · ·	·····	·····		(circle)	
ype:	color:	odor:		Comments	s:	
obble .	drab olive	none	H₂S		「イン	
ravel	Gray	slight	petroleum			
and C MF	black	moderate	other:	ι	17. 17 057	
slit clay	brown	strong		, ī	17- 33 057 2 20. 376	
organic matter	brown surface	overwhelming		1 1 2	1 117 726	· · ·

5

C-1 20 of 35

-18-1

670 SURFACE SEDIMENT COLLECTION FORM Project Name: Project يني. hN4) no. Date: 9/2Ploy Station: BSb Start/Stop time: 2Ŝ X: MOUCO SMIDON Sampling Y: Methoo: VAN VON CIDM 5400 のいî Weather: While Of white Sample TO. *১০ন* CLOUM ID: Crew: Be, m VAD Subsample #: Sample depth: 6 Penetration depth Time: 225 IZ D Sampling gear: Acceptable sample (yes) no (circle) type: color; odor: Comments: cobble drab olive none H<sub>2</sub>S T-ec gravel gray slight petroleum 47 32,976 sand C M F black moderate other: silt clay brown strong 122 20. 322 organic matter brown surface overwhelming Subsample #: Sample depth: 6 Penetration depth 9.6 Time: 45 1 Sampling gear: Acceptable sample yes no (circle) type: color: odor: Comments: cobble drab olive none H<sub>2</sub>S T+C gravel gray slight petroleum sand C M F black moderate other: 977 47 32. silt clay brown strong organic matter brown surface 122 20, 329 overwhelming Subsample #: 3 Sample depth: Penetration depth 10 Time: U. 300 Sampling gear: Acceptable sample (yes) no (circle) type: color: odor: Comments: cobble drab olive none H<sub>2</sub>S gray, gravel slight petroleum sang)C(M F black moderate other: 47 sum silt clay brown strong 122 20. SUCON 329 organic matter brown surface overwhelming

C-1 21 of 35

Wind	Ward	· · · · · ·				
Project Name:	Wronmental LLC	SURFACE SI	•	OOLLECT	ION FORM	· · · · · ·
Date:		\$W \$104	no		BGb	······································
Start/Stop time: Sampling	13:05			X: Y:		•.
Method: ** Weather:	Sim In	Voor	Sa ID:	mple		•
Crew: BG	Ma, An	, ven				·
Subsample #: Sampling gear:	Sample	depth: 13-	Penetra	tion depth	12, 13eg Time: Acceptable sample	1315 (yes) no
type:	color:	odor:		Comment	$\frac{ (circle) }{s}$	
cobble gravel sand C M F silt clay organic matter	drab olive gray black botton brown brown surface	none slight moderate strong overwhelming	H <sub>2</sub> S petroleum other:	j2	732,455 219,882	
Subsample #: Sampling gear:	2 Sample	<u> </u>	l Penetra	tion depth	Acceptable sample (circle)	1353 (Ves) no
type: cobble gravel	color: drab olive gray	odor: none (slight)	H <sub>2</sub> S petroleum	Comment		
sand C M F sitt clay organic matter	brown brown surface		other:		7 32,453 2 19.882	
Subsample #:	3 Sample	<u> </u>	1 Penetra	tion depth	<u>iS</u> , <u>(S</u> Time: Acceptable sample (circle)	
type: cobble	color: drab olive	odor:	H <sub>2</sub> S	Comment		
gravel sand C M F silt clay	brown	stight) <sup>2</sup> moderate strong	petroleum other:	41	TtC 2 32. 453 2 19. 882	
organic matter	brown surface	overwhelming	~ <u></u>	12		

(

C-1 22 of 35

С,

Wind	Ward	SURFACE S	Sediment (	COLLECI	TION FORM		
Project Name:	L	DW	Pro	oject		•	·
Date:	8(1	3/04	Sta	ation:	R71	)	
Start/Stop time:	1400 -	1650		X			
Sampling Method:				Y:	-		
Weather:	SOWNY,	RLECTY	Sa ID:	mple			
Crew: CA	4, BO, B	C. HA				•	
	···· ·································						
Subsample #:	a Sample	e depth: 2Y-2	25.1 Penetrat	lion depth	10:10	ومر Time:	[404
Sampling gear:		<u> </u>	<u>.</u>		Acceptable		
	-				(circle)	Compio	(yes) no
type:	color:	odor:		Commen	ts:		<u> </u>
cobble	drab olive	none	H <sub>2</sub> S			17	ن ا
gravel	(gray)	slight	petroleum				
sand)C M F	black	moderate	other:	ļ ,	·~ 71	i ግ በi	
silt clay	brown	strong			17 32,		
organic matter	brown surface	overwhelming		12	12 19,	166	
Subsample #:	ງ Sample	e depth: 2Y-	2f / Penetrat	ion depth	13an	Time:	1441
Sampling gear:				·	Acceptable		(yes) no
type:	color.	odor:		Commen		CANCE OF	DE CINAS
cobble	drab olive	(none)	H <sub>2</sub> S	Commen		7	- "
gravel	gray	slight	petroleum			· 1	
sand C-M F	black	moderate	other:				
silt clay	(brown)		outer:	ч	7 32.	129	
organic matter	brown surface	strong overwhelming				470	
Subsample #:		<b>`</b>	251 Damature	and the second	122 19		
-	3 Sample	uepin: $\sqrt{27}$	-25 Penetrat	ion aepth	-13cm	Time:	<u>15 -15</u>
Sampling gear:					Acceptable (circle)	sample	yes no
type:	color:	odor:		Comment			· .
cobble	drab olive	noné	H <sub>2</sub> S		47.32	Tto	•
gravel	gray	slight	petroleum				-
sand C M F	black	moderate	other:		47. 82	. 127	
silt clay	brown	strong				1.100	
organic matter	brown surface	overwhelming			122 19	- Y71	9 .*

	vironmental LLC	SURFACE S	EDIMENT C	OLLECTIC	ON FORM	· . ·
Project Name:	LD	J.	Pro no.	ject	·	
Date:		3/04		tion:	876	
Start/Stop time:	1400 -	1650		X:	<u> </u>	
Sampling		1000		Y:		
Method:	VOBY (	SEEM				
Weather:	SOWARY	· · · · · · · · · · · · · · · · · · ·	Sar ID:	nple	· · · · · · · · · · · · · · · · · · ·	
	, BC, BG	. SPA		······	· · · · · · · · · · · · · · · · · · ·	
	( 0 - ) - 0	2 01-				
Subsample #: Sampling gear:	Y Sample	depth: <u>)</u> 4.7	25 Penetrat	ion depth	Acceptable sample (circle)	1555 (yes) no
type:	color:	odor:		Comments		
cobble	drab olive	(none)	H <sub>2</sub> S		T+C	
gravel	gray	slight	petroleum			
sand C M F	black	moderate	other:		47 32.13	6
silt clay	brown	strong			•	
organic matter	brown surface	overwhelming			122 19. 46	06
Subsample #:	5 Sample	depth: 26-	28'Penetrati	ion depth	Time:	1/0 83
Sampling gear:				:	Acceptable sample (circle)	yes no
type:	color:	odor:		Comments:	f	
cobble	drab olive	none	H <sub>2</sub> S			
gravel	gray	slight	petroleum			
sand C M F	black	moderate	other:		47 32 - 134	
silt clay	brown	strong				
organic matter	brown surface	overwhelming			122 19.460	ŕ
Subsample #:	6 Sample	depth: 26 -	API Penetrati	on depth	13+13 a Time:	1650
Sampling gear:	<u> </u>			• .	Acceptable sample (circle)	
type:	color:	odor:		Comments:		
cobble	drab olive	none	H <sub>2</sub> S		a	21
	gray	slight	petroleum		· · · · ·	tT
gravel	1	-				
•	black	moderate	omer: I			
gravel sand C M F silt clay	black brown	moderate strong	other:		47 52. 50 12	9

()

OWLY 2 CORE SAMPLES to BC.

...

``.**`**.

Project Name:	٨D	Ŵ	Project			
- Date:	1245	- 1630	Stat	tion:	BP6_	
Start/Stop time:				Х:	· · · · · ·	
Sampling Method:	VAN	lin		Y:		
Weather:	BUNNY		San ID:	nple		
Crew: B	BUNNY G. CH. T	D, LAA			······	
Subsample #: Sampling gear:	A Sample	depth: 41	Penetrati		<u>IS, IS cu</u> Time: Acceptable sample (circle)	1275 (yes) no
type:	color:	odor:		Comments:	T+C	
cobble	drab olive	none	H₂S		J IC	
gravel	(black) bulitsu	slight moderate	petroleum other:		47 31, 134	
silt)clay	Orowo 100	strong		1	22 18. 55 or ow row	\$ 339
organic matter	brown surface	overwhelming		A164	or ow the	
Subsample #: _	2 Sample	depth: <u>51</u>	Penetrati	ion depth	<u>17, 15</u> Time: Acceptable sample (circle)	
type:	color:	odor:		Comments:	ALOUTE ON	NP
cobble .	drab olive	none	H₂S		F-C.	
gravel	gray	slight	petroleum		1 th	~
	black Allach	moderate	other:		47 31. 134	(
siltclay	brown Surface	strong overwhelming	•		122 18 33	
organic matter Subsample #:		depth: $\zeta \zeta'$	Penetral	ion depth	15, 144 Time	
· -	<u> </u>	<u></u>			Acceptable sample (circle)	
Sampling gear:				Comments:		·····
type:	color:	odor:				
	drab olive	odor:	H <sub>2</sub> S	1	•	
type: cobble gravel	drab olive	none sliaht	petroleum	1	•	v
type: cobble	drab olive	none sliaht		40	TtC EATE OW TO 731,135 218.337	V

÷

	Wind	Ward	SURFACE S	EDIMENT C		ON FORM	
()	Project Name:	1-D0	a)	Pro no.	pject		
	Date:	{{\it R}}	113104	Sta	ation:	695	
·	Start/Stop time:	<b>`</b>			X:	······································	• • • •
	Sampling		•		Y:		· ·
	Method:						
	Weather:			Sa	mple		
	·	SUWW		ID:			
	Crew: <u>C</u>	SOWM H, Ba,BC,	UA:				
	Subsample #:	A Sample	depth: 00-	(2) Penetrat	tion depth	15 E/E en Time:	(w)
	Sampling gear.	<u>.</u>	<u></u>				yes no
	type:	color:	odor:		Comments:		
	cobbie	drab olive	none	H₂S	· .	T+(	2
	gravel	(gráy)	slight	petroleum	· ·		
,	sand C M F	black BUTTE	moderate	other:	<u> </u>	17 31, 326	
• (	silt clay	(brown) TON	strong			12 18.433	
- 1 - A	organic matter	brown surface	overwhelming	8	· · ·	12 14. 13	
- 1.  -	Subsample #:	10 Sample	depth (0.12	Penetrat	ion depth	158 1Pcz Time:	1210
	Sampling gear:		- <u></u> -	• • •	• • • •	Acceptable sample (	yes no
	type:	color:	odor:	>	Comments:	· · · · · · · · · · · · · · · · · · ·	
	cobble	drab olive	(none)	H <sub>2</sub> S	Commente.	TIC	
	gravel		slight	petroleum	5		
	sand C M F	(gray (black) Boy 104		other:			
	silt clay	brown OV			47	2 31. 326	
	organic matter	brown surface	strong overwhelming		122	L 18, 428	
	Subsample #:	// Sample	depth: 10-1	2 ' Penetrat	ion depth	ise (I cn Time:	1500
	Sampling gear:	- <b>V (</b>	••••••••••••••••••••••••••••••••••••••				yes no
	type:	color:	odor:		Comments:	<u> </u>	
	cobble ·	drab olive	none	H <sub>2</sub> S		Tre	· · · · · · · · · · · · · · · · · · ·
	gravel	gray	slight	petroleum		1/-	.
	sand CMF	black Bol The	moderate	other:		17 31.326	
4	silt clay	NOT GIVEN	strong				
	organic matter	brown surface	overwhelming		(	122 18. 427	
		4			<u>1,</u>	······	

C-1 26 of 35

Wind	Ward	SURFACES	EDIMENT	COLLE	ECTION	Form	· · · · · ·
Project Name:	· _1	sw)		Project			•
Date:	P1	9/04		no. Station:		BIOD	
Start/Stop time:	0835'-	1210	<u></u>		X:	•	
Sampling Method:			Ng		Y:	·	
• Weather:		<u>,</u>		Sample			
	SUWWY D, BG, CH	·····		ID:			······
Crew: T	D, BG CH	, UM					
Subsample #: Sampling gear:		e depth:	) Penet	ration dep	Ac	Time: cceptable sample rcle)	yes no
type:	color:	odor:		Comr	nents:		
cobble	drab olive	none	H <sub>2</sub> S			CHT	
gravel	gray	slight	petroleun	n 400	ode c	AYOC OW	101
sang C MF	black	moderate	other:			30. gpy	
silt clay	(brown)	strong					1
organic matter	brown surface	overwhelming			122	18. 36	Y
Subsample #: Sampling gear:	<u>2</u> Sample	e depth: 9	Penet	ration dep	A	cceptable sample	
type:	color:	odor:		Comn	nents:	C +7	
cobble	drab olive	none	H <sub>2</sub> S			CtT	
gravel	gray	slight	petroleum	n	'Y	7 30,984	·
sandCMF	black	moderate	other:				
sitt clay	brown	strong .			. /2	2 NP.364	
organic matter	brown surface	overwhelming	<u> </u>	42		owtor	
Subsample #:	3 Sample	depth: 7.1	Penet	ration dep	th <u>1</u> .e	Pulla Time:	0935
Sampling gear:					A	cceptable sample	$\sim$
type:	color:	odor:		Comn	nents:	ALCONS ON	NON
cobble	drab olive	none	H <sub>2</sub> S	7		Tto	
gravel	gray	slight	petroleum	n		VV	
ean CMF	black	moderate	other:		47	30. 000	[
silt clay	brown	strong			(	NCGAS OF TtC 30, 984 48, 365	[
organic matter	brown surface	overwhelming	••••••••••••••••••••••••••••••••••••••	<u> </u>	122	14. 568	

 $(\cdot)$ 

J

Wind	Ward uc	SURFACE S		OLLECTI	ON FORM
Project Name:	2	)W	Pro no.	oject	
Date:		20/04		tion:	BCA-2
Start/Stop time:	1005	- 11.40		X:	
Sampling Method:	VAN 1	Irin		<b>Y:</b>	
Weather:		~		mple	
<u> </u>	SUNNY		ID:		· · · · · · · · · · · · · · · · · · ·
Crew: <u>B</u>	TD. WA	<u> </u>			· · · · · · · · · · · · · · · · · · ·
Subsample #:		depth: <u>29</u>	Penetrat	ion depth	Acceptable sample (ves) no
type:	color:	odor:		Comments	
cobble	drab olive	none	H <sub>2</sub> S		
gravel	(gray)	slight	petroleum		
sand C M F	black	moderate	other:	* <b>Y</b>	7 52 747
(silt clay)	brown	strong	Scient	12	n 20 233
organic matter	brown surface	overwheiming	S4ctm		
Subsample #:	2 Sample	depth: දුර	Penetrat	ion depth	1704 Time: 1040
Sampling gear.		·		_	Acceptable sample (e) no (circle)
type:	color:	odor:		Comments	5.
cobble	drab olive	none	H₂S		C
gravel	gray	slight	petroleum		
sand C M F	black	moderate	other:	1	7 32 747
silt clay	brown	strong	-	1 -	
organic matter	brown surface	overwhelming		1.	12 20, 233
Subsample #:	<u>2</u> Sample	depth: Sf	Penetrat	ion depth	Time: <u>1/05</u>
Sampling gear:	· · · ·		i		Acceptable sample yes no
type:	color:	odor:		Comments	5:
cobble	drab ofive	none	H <sub>2</sub> S		. •
gravel	gray	slight	petroleum		
sand C M F	black	moderate	other:	Y7	32 747
silt clay	brown	strong	•	120	20.232
organic matter	brown surface	overwhelming		1 444	

.

()

Wind	Ward	SURFACE SI					and the second
Project Name:	LD	W N		iject		•	
Date:	\$120	104	Sta	tion:	BCA-2		
Start/Stop time:	1005-	1140	······································	¥. X.	Q		•
Sampling Method:	Votre 1	Voon	4	• Y:		• •	
Weather:	SUWNY		Sar ID:	nple			
Crew: <u>}</u> Crew:	r, D, MAL						
	1.				· ·		
Subsample #:	YSample	depth: <u>3</u> 4 <sup>ol</sup>	Penetrat	ion depth	122ch Time:		•
Sampling gear:	*				Acceptable sample (circle)	yes no	
type:	color:	odor:		Comments:			
cobble	drab olive	none	H <sub>2</sub> S		C'	ъ.	
gravel	(gray)	slight	petroleum		$\sim$	· ·	
sand C M F	black	moderate	other:		47. 32. 744	· •	· · ·
Silt clay	brown	strong			• • •	•	
organic matter	brown surface	overwhelming			122 20 232	•	· · ·
Subsample #:	Sample	e depth:	Penetrat	ion depth	Time:		
Sampling gear:					Acceptable sample (circle)	yes no .	
type:	color:	odor:		Comments:		6	
cobble	drab olive	none	H₂S			ŕ	19
gravei	gray	slight	petroleum				a santa sa
sand C M F	black	moderate	other:				**
silt clay	brown	strong					
organic matter	brown surface	overwhelming			· · · · · · · · · · · · · · · · · · ·		
Subsample #:	Sample	e depth:	Penetrat	ion depth	Time:		1.2
Sampling gear:					Acceptable sample (circle)	yes no	- ·
type:	color:	odor:		Comments:	•		
cobble	drab olive	попе	H <sub>2</sub> S				
gravel	gray	slight	petroleum				
sand C M F	black	moderate	other:				
silt clay	brown	strong	•				
organic matter	brown surface	overwheiming					<b>J</b> .•

Ę.

(

Wind	Ward	SURFACE SE	DIMENT C	OLLECTI	ON FORM	•	
Project Name: Bate: Stati/Stop time:	e: <u>2120/04</u>			iject tion: X:	BCA-4		
Sampling Method: Weather:	1240 ·	Voor		Y: mple			
Crew:	SUMNY G. TD, UM	L	1D:		· · · · · · · · · · · · · · · · · · ·		
Subsample #: Sampling gear:	Sample	depth: 321	Penetrat	ion depth	(circle)	1240 es @)	
type: cobble gravel	color. drab olive gray	odor: none slight	H <sub>2</sub> S petroleum		The Added		
sand C M F silt clay organic matter	black brown brown surface	moderate strong overwhelming	other:	12	7 33,060 2 20,7/420	- 1774	
Subsample #: Sampling gear:	2 Sample	depth: <u>SI</u>	Penetral	lion depth		2 <u>50</u> res @	
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 <sub>2</sub> S petroleum other:	0013 47 12	s: simple: io ivec decedec 42 33,652 220,720 outs	ВС <sup>-</sup> СФ	
Subsample #: Sampling gear:	Sample		1 Penetra	tion depth	(círcle)	1255 (** ©	
type: cobble gravel sand C M F	color: drab olive gray black	odor: none slight moderate	H <sub>2</sub> S petroleum other:	Commen		·	
silt clay organic matter	brown brown surface	strong overwhelming	•	12	x 33.650 2 20 722		

C-1 30 of 35

Project Name:	· • • •	2		ject			
	<u></u>	,	no.		700 m A b .		
Date:	<u>\$/2</u>	0/04	Sta	tion:	<u> </u>		
Start/Stop time:		- 1400		<u>X:</u>	•		
Sampling Method:	VAu	Voor		<b>Y:</b>	•		
Weather:		~		nple		•	
Crew: <u>B</u>	<u>80000</u> 6, TO, 1	Y W	ID:		· · · ·		
Subsample #:	√ Sample	denth:	Penetrat	ion depth	Time:	1375	
Sampling gear.					Acceptable sample (circle)	yes fo	
type:	color:	odor:		Comments	5. 10 m 8 1-17		
cobble	drab olive	none	H₂S		rocks		
gravel	gray	slīght	petroleum				
sand C M F	black	moderate	other:	Y	7.33.650		
silt clay	brown	strong			70 100		
organic matter	brown surface	overwhelming		1-	22 20,724		
Subsample #:	Sample	depth: 36	Penetrat	ion depth	Da Time:	1320	
Sampling gear.		. <u> </u>			Acceptable sample (circle)	(yeš) no	
type:	color:	odor:		Comments			
cobble	drab olive (	none	H₂S		Ċ	•	
gravel	(gray)	(slight A	petroleum				
sand C MF	black WITU	moderate	other:	4	7 33 640		
silt clay	(brown) De	strong		n	2 20723		
organic matter	brown surface	overwhelming		14		<u>.</u>	
Subsample #:	<u> </u>	depth: 🖹 🖁 🖁	Penetrat	ion depth		82	
Sampling gear.					Acceptable sample (circle)	yes no	
type:	color:	odor:		Comment	3 BRICKY SA	5100	
cobble	drab olive	noné	H <sub>2</sub> S		Ċ		
gravel	fray	slight	petroleum		up an INA		
sand C MF	black bottu	moderate	other:	'	47 33.640		
silt clay	brown TO1.	strong 🍇	CALLOWS	· 1.	22 20.723		
organic matter	brown surface	overwhelming	·····	l		1	
	ጉ	Day Nor		1021		134	
	GRAY GUT				47 33.61		

(

ž.

-0

C-1 31 of 35

Wind	Ward	SURFACE S	SEDIMENT C	OLLECT	ION FORM
Project Name:		LDW	Pro no.	oject	
Date:	2/17/1	<u>9</u>	Sta	ition:	BCA-5
Start/Stop time:	17.00-		·	X:	<i>D=1</i>
Sampling Method:	VAu SUNN	Vern		Y:	,
Weather:	_		Sai	mple	
	SUNN	4	ID:		
Crew: <u></u>	, JN, TO	, KEA			۵
<del>2</del>	•	·			
Subsample #:		depth:LO	Penetrat	ion depth	13 an Time: 1700
Sampling gear:	•				Acceptable sample (circle) no
type:	color:	odor:		Comment	s: 47.32.956 122.20.3291
cobble ·	drab olive	none	H₂S		
gravel	gray	slight	petroleum	Ber	THE COMMUNITY
sand C M F	black	moderate	other:	G	STATION OWLY
silt clay	brown	strong	Heen		*
organic matter	brown surface	overwhelming		ß	SINGLE REPS
Subsample #:	Sample	depth: ]6	Penetrat	ion depth	Time: 1720
Sampling gear:					Acceptable sample yes no (circle)
type:	color:	odor:		Comment	s:
cobble	drab olive	none	H₂S		
grave	gray	slight	petróleum		
sand C:M F	black	moderate	other:		Y7 32, 957
silt clay	brown	strong			122 20, 328
organic matter	brown surface	overwhelming	·		ina av; very
Subsample #:	S Sample	depth: 1 (2	, <sup>1</sup> Penetrati	on depth	- 904 Time: 1725
Sampling gear:	<b>v</b>	•••••• <del>•</del>			Acceptable sample (yes) no (circle)
type:	color:	odor:		Comment	s:
cobble	drab olive	none	H <sub>2</sub> S		
gravel	gray	slight	petroleum		
sand C M F	Clack Dest	moderate	other: OU		957
silt day	brown ICP	strong	SHEEN	Y	7 32,957 2 20,327
organic matter	brown surface	overwhelming		12	2.20.322

24 2

>

· ·

:

 $\bigcirc$ 

: 1

. .

C-1 32 of 35

· .---

Project Name:	1	W	Pr no	oject				
Date:		04		ation:		BCH-5	• • • • • •	
Start/Stop time:	17.00 -	,v ,			X:	<del></del>		
Sampling Method:	VAN	low			Y:			
Weather:	VAN SUWN	Y	Sa ID	imple	-			
Crew: B	G, JN, TO	, HR						
	•.							
Subsample #:	<u> </u>	depth: 12	Penetra	tion dep	oth r	<u>llon</u> Time:		741
Sampling gear:		• •				Acceptable sample (circle)	(es	no
type:	color:	odor:		Com	ments:			
cobble	drab olive	none	H <sub>2</sub> S					
gravel	gray	slight	petroleum			.*		
sand C M F	black	moderate	other:		Y	7.32,952		
silt clay)	brown TU	strong	SUCON			1.20.327		
organic matter	brown surface	overwhelming			121			
Subsample #:	Sample	depth:	Penetra	tion dep	oth	Time:		
- Sampling gear:					1	Acceptable sample	yes	no
			<u>.</u>	_		(circle)		
type:	color:	odor:	· · ·	Com	ments:			
cobble	drab olive	none	H <sub>2</sub> S			•		
gravel	gray	slight	<ul> <li>petroleum</li> </ul>			· · · ·		
sand C M F	black	moderate	other:					
silt clay	brown	strong						
organic matter	brown surface	overwhelming	·			· -		
Subsample #:	Sample	depth:	Penetra	tion dep	oth	Time:		
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:					
silt clay	brown	strong	•					
organic matter	brown surface	overwhelming	-	1				

ť.

•

••••

יז דר דר ד	/wr 1				м.	,	<i>• _</i>
Wind	Ward utroamental LLC	SURFACE S	Sediment (	Collectio	N FORM		<u>.</u> .
Project Name:	1	NA) ·	Pr	oject			· <sup>·</sup> ·. ·
Date:	<u></u>	104	St	ation:	BCA-6		
Start/Stop time:	OP25	- 0940	·	X:	<u> </u>		
Sampling Method:	VAW			Y:			
Weather:	SUNN	Y	Sa ID	imple B	ion the (	Conmunic	ong
Crew:	26, 70, 7	1A.					č
Subsample #:	Sample	e depth: 9	31 Penetra	tion depth	Tin	ne: 0\$35	
Sampling gear:		·	<u> </u>	. [	Acceptable sampl (circle)		
type:	color:	odor:		Comments:			
cobble	drab olive	Herre	H <sub>2</sub> S				
gravel	(arav)	slight	petroleum	1.5			•
CANOC (AR)	black	moderate	other:		30, 734		
silt clay	(biowest CP	strong		22	-18.279		
organic matter	brown surface	overwhelming	······	<u> </u>			
Subsample #:	<u> </u>	depth:	<u>q'</u> Penetra	tion depth		ne: 0845	
Sampling gear:					Acceptable samp (circle)	ole (es no	
type:	color:	odor:		Comments:			
cobble	drab olive	none	H₂S		C C	-	
gravel	grav	slight	petroleum				
sand (MF	black	moderate	other:	47	1 30,734	1	
silt clay	brown TOP	strong		· ·	18.278		
organic matter	brown surface	overwhelming					
Subsample #: Sampling gear:	<u>3</u> Sample	e depth:	3/ Penetra	tion depth	Acceptable samp (circle)		
type:	color:	odor:		Comments:		<b></b>	
cobble	drab olive	none	H <sub>2</sub> S	1	C		
gravel	(gray)	slight	petroleum			— I.	•
sand ONF	black	moderate	other:	L.	7 30.73	4	۶ 
silt clay	brown TOP	strong	,				
organic matter	brown surface	overwhelming		1 12.	2 18.28	0	•

с., ў

.

Ľ >

r

.

دن . 4

Wind	Ward	SURFACE S	EDIMENT C	OLLECTIC	DN FORM
Project Name:	· L	DW		oject	
Date:	\$72	0 loy	no. Sta	ation:	RCA-6
Start/Stop time:	0725 -	0940	<u> </u>	X:	
Sampling				Y:	
Method:	Von	1 VEON			
Weather:	<u> </u>	<b>`</b>		mple	· · · · · · · · · · · · · · · · · · ·
~ <del>~ ~ ~</del>	SUNA	<u></u>	ID:		
Crew: <u></u>	CITOIN	11-			
Subsample #:	<u> </u>	depth: 6	Penetrat	ion depth	11cm Time: 0925
Sampling gear:					Acceptable sample (circle)
type:	color:	odor		Comments:	
cobble	drab olive	none	H₂S	]	C
gravel	(gray)	slight	petroleum		_
sandCMF	black	moderate	other:	У	2 20 724
silt clay	brown TUP	strong		127	x 30.734 . 19.280
organic matter	brown surface	overwhelming		144	. 14. 200
Subsample #:	Sample	depth:	Penetrat	ion depth	Time:
Sampling gear:			·		Acceptable sample yes no (circle)
type:	color:	odor:		Comments:	
cobble	drab olive	попе	H₂S		
gravel	gray	slight	petroleum		
sand C M F	black	moderate	other:		
silt clay	brown	strong			
organic matter	brown surface	overwhelming			
Subsample #:	Sample	depth:	Penetrat	ion depth	Time:
Sampling gear.				· -	Acceptable sample yes no (circle)
type:	color:	odor:		Comments:	
cobble	drab olive	попе	H <sub>2</sub> S		
gravel	gray ,	slight	petroleum	· ·	
sand C M F	black	moderate	other:		
silt clay	brown	strong			
organic matter	brown surface	overwhelming			



BI Taxonomic Data Report

2 HIANDOUSTON B/10/04 CHEN: DICE, JOHN, DOLCH, HOSE 3 C 470 34. 965 N 8256 4. peperson Ovascon : Dun 1230 20. 947 W PR Grab #8@ 11:30 42°34.080 N 122°20.936 W Discoulded 1 502 - No Sample 0800 MET AT THE BOAT OW PIECES 0830 LEFT AFTER Duy CAUS Giab # 6 @ 1146 ON BOALD. MURDING FOR SPATZOW 0905 ON STATION BID STATION 4/ 47°34.074 N 122920.935W CLOQUINE PLE GRABS Grad #? @ 12:11 47°34.066 N 220 SMATTOW 315 199, 90' 2A9M DEATH 4P1 GRADI 47 34. OPS N 122 20 944W Resected 2 same didn't close 500 #8 @ 12:22 470 34.020 12:22 12:22 Piè 1, 2, 3 - WONKING THE CORPAS Piè 3 - 1 GRAB TSSUE STUNCE 20 122° 20 943 W Grab #2 GRABI 5 ALL SIMALAN GRAIN 10:10 m (120° 20. 944W) Sizo - SAMDY, GRELL CO/ OKOMOR DEBRIS MUD SICCS/VOLAS REDECTED CUAS MATCHINE In Compact w/ voier For occorriges QUAB 6 -THE JARKES GUARS #3 10:25 Doney Donse din Sonse Stren 100- sure DARKEL 6REY 4734 000 12220 944

C-2 Page 1 of 18

8/10/02/ 5 T Grab #9 @ 12:34 43°34,029 12:34 1220,00,952 836 gerine @ 2420 pm 18 Chen 7 ± an dlep 1 grab empty 1 grab. 42pt Grab#1 T Glab#10@ 12:58 4/2° 33,73-79, N 122° 20,387 W 17°34.071 N 122°20 937 N 1 BUCKET 52 an Orio 72 an b/+ Pier + Manson Barge Tied off to per on Port Side (SW) Gler Stand w some sich ACCIAN AND ONBIANE DOSMAS Roo o o o Pilings Boat 6106 # 11 @ 1:12 47°34,074 N 122°20,949 V -Ball 1 grab empty (material minu) 7.5 cm dero Rejected empty Moterial cought in Jams Kept 60ab #2 @ Sea Star + Debris 47° 33. 379 N 122° 20 382 W Will alimyte 6(ab=#) a @ 1:27 47° 34072 N, 122°20.950 100 7.5 m deep be same 1 Rejected - empty CMASKS Star 5 LOAN/LOWIG AS ABOUG 1 Kept Pan deep 1 quile duly afler cer 5rab # 13 @ 1:45 47° 34,028 W 122°20,959 W ams Propen GNAS 9 ende

C-2 Page 2 of 18

ß sliolog back ok U. Morrison U. Nogoesou 8/17/04 9/12/04 10 m 2 10m 825 1SP AUG KAM SPARONBI 1540 1.000 BG JN, TO NA CHEW GOR A TOTAL OV 5 TISSUO OUCUSION DUSAS WILLONS RC +1 BC suple + sedmine DID KEST 04 376 0000 selestrell very stowelly 1010. DROVIOD DUBUR AM Cover sand and silk OM- And your KON B36 los of deleis and ruchs 1225 LORT BBB # WONT GO BY deler 27 LOP BYE AND WONT TO 1655 8/18/04 Pou In and book Cly. 820 1300 tes 1705 OVI THE C-2

Page 3 of 18

H. ANDERSON 8/19/04 8/19/04 H.ANDERSEN CLAM SURVEY Plasto CHEW: DP, BC, LA mart of 1st over boal 800 500 MET PT 1 ST AUG veril ta BIOB and flen BOAT KAMAN 550 WOUT TO BETTLY C9 STILL DARK. WATTO 600 SPARTED DIGGING CC1 RPD 16:45 Jeneile and rectioned the 1st and 650 DONE - 21 MYA Mananapp SCOLMENT COMEST DO 8/20/04 Manun Smp Brown lift I au bace stew: BG, TD, HA went to BCA-6 lift station went to BCA-2 800 1 and back runn SULVIACE, GRAN TO BUTTLE 20-25 cm Down 825 SCATTLES NOCLS GALAUT 140 1005 Starty Digging & Cb 700 1140 ligh BCAZ 730 Done daying - 21 Mya Arenatia Sediment coarse to malin sund. Drown Surver GHEY TO BUT 41 25-30 cm Danser scorment. Purgs w/ pours mo bring 750 LEVE BEACH CG C-2

Page 4 of 18

12 	voorson PBZ/04	U. ANDONPON 212	1
P\$5	Botzy Ja	V. ANDONDO ?'12:	2/0
	LANDOO ON BORRY CHOU BK, KG, KL, MAS	· Sunface union avery symp ?-3 and DEOUN REDDISH	_
	WHAR NASTINA DIS ICA	Coupers Storatent	
	Museer Just Storal Anna	SIGUES PLAN ON THE SOL	un
······································	and super more 10 teg	Mr Sa Hus Plus Poar 2	- <b></b>
	AT BASE ON SLIDE APPROL	Lavis to 99 millions in	
	12 Down Aug 1-2m Bornow.	Sicius Rec 2085	
950	LUCT BOTCH Pa	1225 LUX - 9a !	
	SEDIMENT : SILFY SAND W/		
-	CENCE BLOWN SURAW	Mel. Council By WARD	 
	BLACK SUST BERUID SURVICE	Danyon Unic many	
	S 102WS SUDAU		19
	· · · · · · · · · · · · · · · · · · ·	Bongu 104 \$1 30	Inu
	BOACH So		
10.03	LINDO	1145 Sugaron & Marce won	er
	13017- COURD- 47 32.361 NI	D TUS BOTCH PLOTES	
- )	122 19. AP2W	20 Tennes inserve	
•••••••••••••••••••••••••••••••••••••••	DID 10 Promos ALOWIA	DAVE RUDO DE TYLE 400	
	Pla color on mis unor	Lower MW ( Mis 64	
	CLOSE TO THE BUTT, SCHIMONT	NO CROSEC SCRIMENT	reg)
	Coness vo mon unin some	From SILFER TO GUME	
•			اا

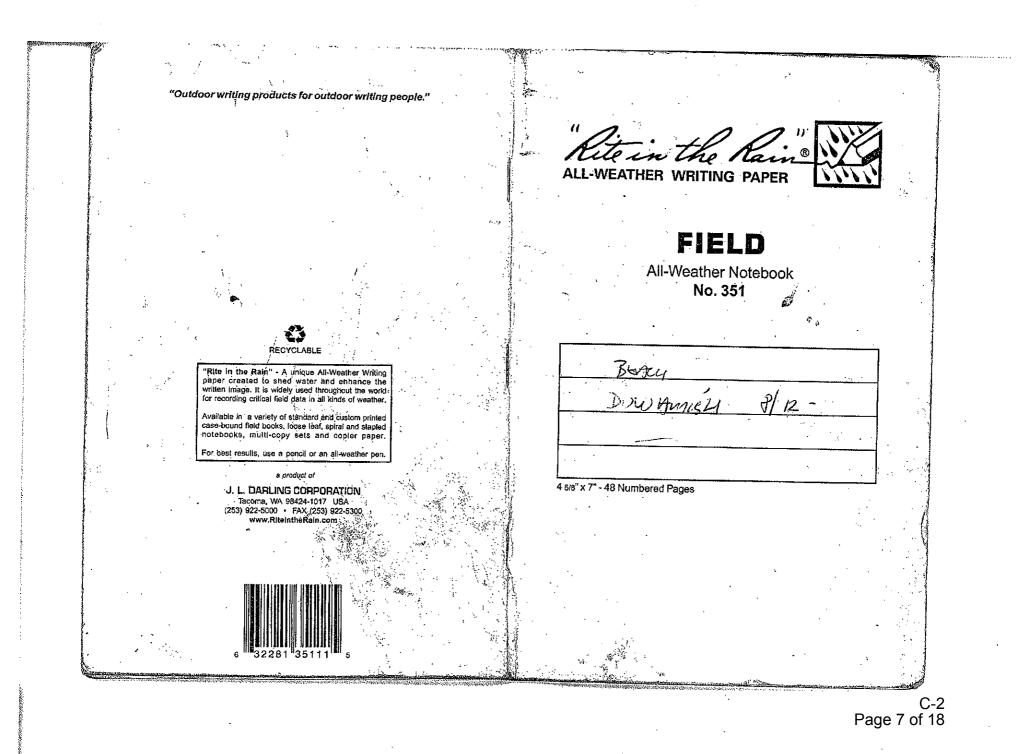
C-2 Page 5 of 18

٠.

P72.	15																	0/04	P/				<u> </u>	***		радон WIT4 SUN (S-	14 <u> </u>
			1	ĺ		1					Τ				·			ز	ew.	Bn	10	SA	in	LEDI		wini	
			-		<b> </b>				+						 i			റധ	BC	$\varphi \setminus  $	LAC	4	ono	u [	sh-	SUN	
		·	- <b> </b>					···· ··· ···	1			ļ i					•			ワ				osu	-1	(5-	_
: ł		ļ	- <del> </del> ,								<u> </u>		l		·	··	•	····					14.00	~F		,	14 25
		 	ļ					-	<u> </u>	ļ				- <b>-</b>			· ¦	<del>-,,</del>				nug	100	- <b>v</b>			
			- <b> </b>							. <b> </b>			<u> </u>		· ·												
					! 	. İ			<u> </u>					<u> </u>			. !										
		•	1			Ì						_		_													
			•) ·=•								! 				,		1	-					ļ		+		
	· · · · · · ·	{. !						1			1			í													
				· ·				-			†	1	-!,	1	· ·····		1										
							-			·· ·	<u>-</u>		·+	+	1												
							·					<u>†</u>	<b>.</b>	<u>+</u>	·			<b></b>	A. +		****		+	*****			
			 			_					[ 			·	: 		:							•		• ••••	
						! 						1 <del> </del>		: ; ;		<b>.</b>	1						. <u> </u>		-		
				Ì	l								! !		 		I			i			·				
.*		4					}		i			ļ		 					balle - 1 - 14 e			·		·····	_	<b>.</b>	
	•••••		····	 																							
			·	·			<b> </b>					•• • •••								Ĩ			I				
											;										•••••		1				
		: 		ļ	<u> </u>	<u> </u>	<b>.</b>								•		i						····		•		
						ļ		j.		1 					•••••i		ł						<u> </u>				
					ļ	1											-						ļ				
	••••••••••••••••••••••••••••••••••••••																ł							· · · · · · · · · · · · · · · ·			
			ĺ		1	T i	1		.	İ	1		ĺ				Į	·									
									.		· · ••				- 1		ŀ			Ì							
					ļ																. 1 -0.740						
		i	]					İ		<u> </u>	l.			i			l			•• •• ••							
										•		·										. :			Ì		
	ر C-2 of 18	25002.000		<u>B.C.S.S.</u>	-	888828	NGRAS						<u>.</u>		es per					THE ASSOCIATE	NA DECEMBER OF	HUR VERMANN	AND AND AND AND AND AND AND AND AND AND		ti stati		200-900-200-200-200-200-200-200-200-200-

.

.

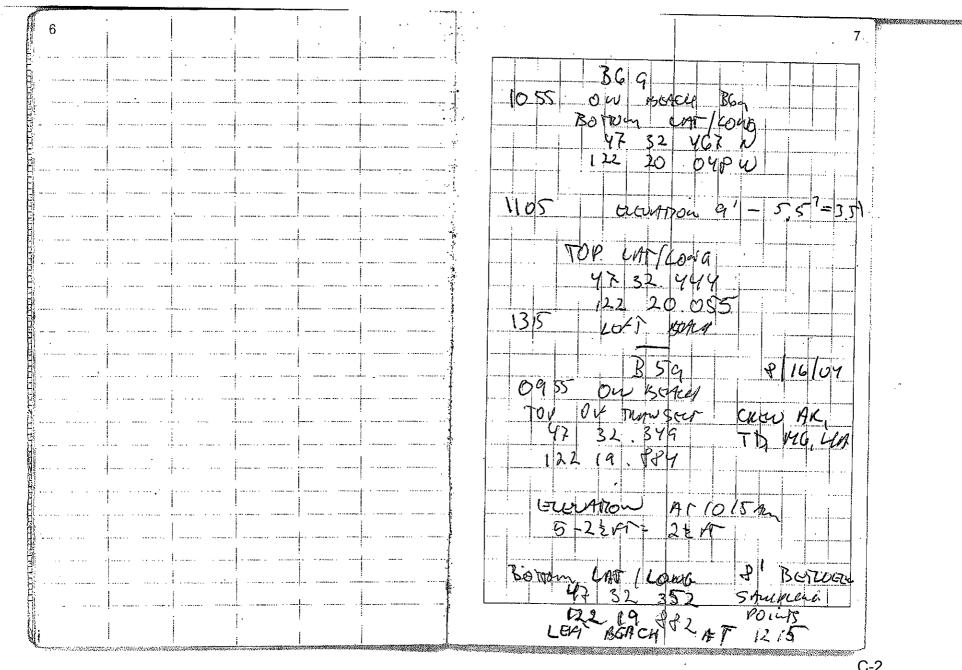


2 3 BEARY B3a Beach Bla 840 mm 5 VT ELEUMION 850 PLACIOG 5 SUMPCINE Acop 1045am 65Al elevetion 1350 pm Sporros Signin 2nd Rogs 195 TOP OU PLANSEE LAT/LOUGH 15 TOP OF TRANSECT: 47 34.010N 47 33 509 N 122 21.030 W 22 20 P32 W BOTTOM ON NAMISER CIAT/LOXIG 17 33. 514 ND BOTTOM OF TRANSECT: 47 34.013 N 122 21.021 W 122 20 PISW - 2nd downsed 10m to N on beach (30') 2rd Transect 50' TO THE NOW SCARY - 3 RD TLANSOCT 08-13-04 3rd transect: (on (30') to st on beach South D THE SULTY US! DUC TO CLAY MOUNTS COURS NON . 301 de my (un movalse) Da Pic 7+P AT B3 TUMUSOFS @ 20'S Adjusted transact to lie or Lookur w & S OF 157 Republic 12' between suply losut Sside of debrispile = 40's of 1st transat C-2

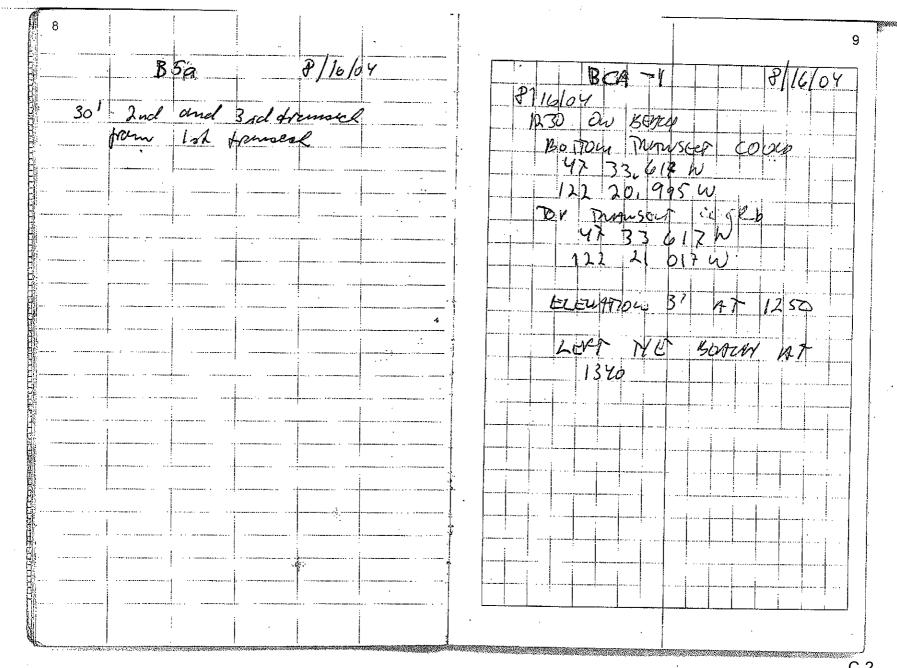
Page 8 of 18

Beach Za 8/13/04 con it 5 meet at lead have SP, FM 1042 an pice or no 15 Fransed ; DP 47 33 393 DOALY B2a Darnia Pro TTSSOG SAMPLING ON LAST TUANSON 122 20 893 1020 Lurin Pto B5904 16 bedreen 5' elevation ON BOARD BYG 1030 sampling locula hAt 47 32, 94P THE Loute 122 20, 495 Borrow Superson Boton: 47 33.384 122 20.905 1040 | Bot UP 2 Turnu See K 1300 Los botry B20 2nd provisors 30' w or mansor 8' lectureen summy location 2nd 30' (10m) South of transcet TOP OF 155 REGUSSOUS 3rd 30' (10m) N of transact collected sediment + porcurater for this transact 8/ 15/04 CHOU : CHARIS HUNTOR SOMMAN, THAI, HELLE 010 1000 122 20, 499 20100 122 20, 499 ung 122 20, 499 930 1 pm - finished 1st + 2nd Vansect. did not collect tissues from 3nd transied - Ctide rosc 3rd coords = 47.33390 (00 guid!) (at highest flag) 122 20 902 TOP 10 45 ISA Decou soch 41 ELEVATION

C-2 Page 9 of 18



C-2 Page 10 of 18



C-2 Page 11 of 18

ø.

10 08 17 04 B 89		8/17/04		11
1st transect	21 = 1 = 14	BCA3 1047 m		
top: 47-31 (e83	31.5' = length 2.5' = clevatin	BCA3 10 47 an-	elevetion 4.51	
172 8 644		188: 47 31 948	Condition 1.0	
BOTTOM = 47 31 680 122 8 642		122 19 259		
		Borrin 47 31 952		
2nd transect 30 North	of 1st transfer	122 9 251		*****
1st Transect only collected i lowest flags on shoveline u	from first 3 flags			
3 lowest flags on shoreline u	vere flooded		····	
2nd Transect placed & flags	30' transect			
over sampled				
Moved Benthic community a	nalysis from			
Moved Benthic community a the 1st transect to the 2nd due to flooded flagged areas	I transect	······································		
due to flooded thagged areas				
2nd Transect a dark black	sectorous Sheen			
was noticed at the 2nd Place	}			
Dropped 1/2 to a full square of sed	iment from 2nd travent ]			
1 S b 1	· · · · · · · · · · · · · · · · · · ·			
	<b>\$</b>			ļ

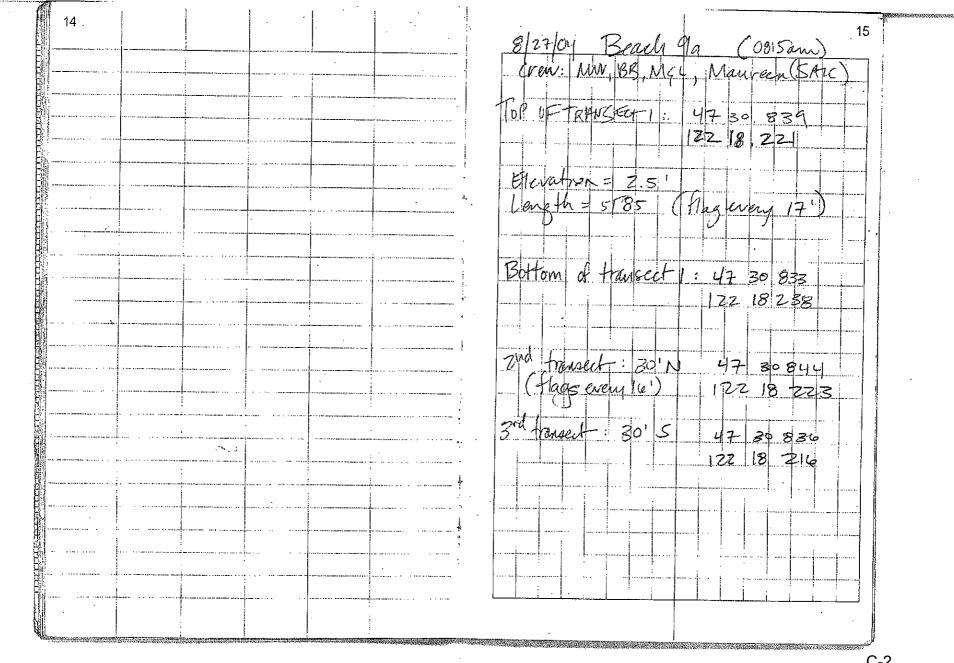
C-2 Page 12 of 18

**6**4.

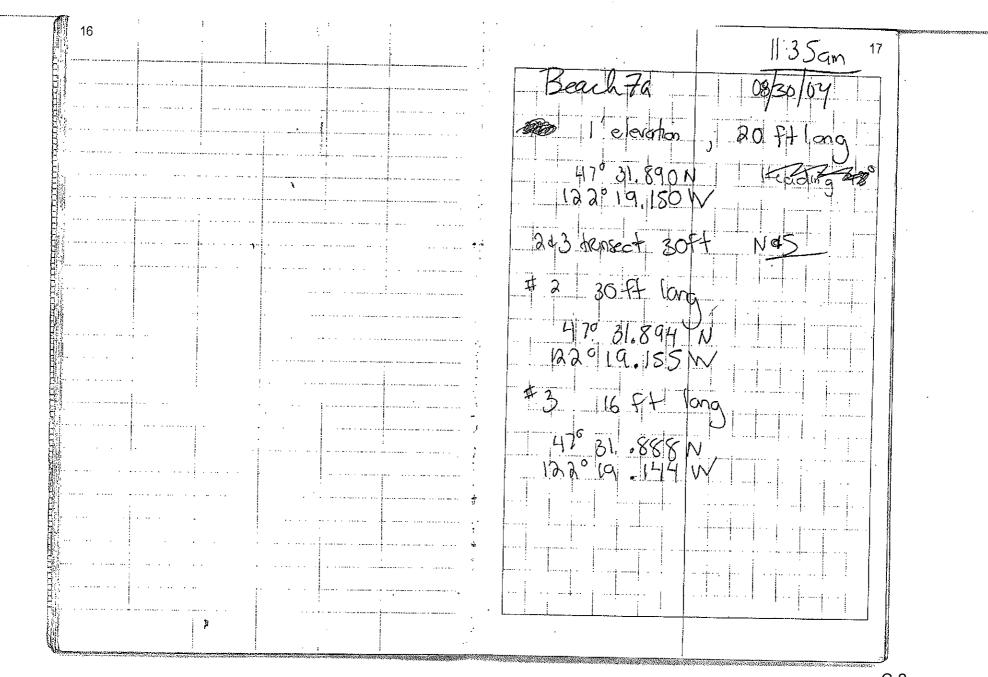
٠,

12 · 13 Beach 3a Redi 08-26-04 8/25/04 ...... 0654 TOP OF ISH transect elevation 5' crew: Angelita Rodriguez,7 Lut 4733 518 N Jong 12220 834W Tad Deshier PWW Shannon Pierce Rupin bi - King Guinpy Bottom of transect lat 4733521 learce 1st Ave SBridge - 5: 30am Long 122 20 820 Beach 9a -Length = 65 ' (Flage every 13') no beach appased -shaned come back at mest minus Kile - Friday? 3rd Transcet morel \$6's from primary transcet due to ithy frack mounds covering beach area Beach 10 a - 6:45 Primming Transact Standy Ichary brown - pringer 1st Hansect top: 47 30 683 Length= 59' 122 18077 top= 3' 2nd Transect 30 Ft' N 3 primary transect Some sand mostly clay, algge mats over sod bottom: 47 30 684 bottom= 6 122 18 091 Bod Transect Very soft sund le long, brown lyrow Dily sheep of lower- Flags Frish sampling @ 0915 \* No Benthic Commin. Hy samplet taken blo they were collected previously on a different day

C-2 Page 13 of 18



C-2 Page 14 of 18



C-2 Page 15 of 18

· ·····			······································		الاهم عني 1 14 بريم ميريين	A AnDaza	7/24/04
···· · · ·		•		· · · · · · · · · · · · · · · · · · ·		BISA	
· · · · · · · · · · · · · · · · · · ·		••••••••••••••••••••••••••••••••••••••	•	· · · · · · · · · ·		720 47 32	- 352U TOV 9.39 W
• •••••	• • • • • • •	M				implemente cel	, & DIMATOS WING
•••••••••••••••••••••••••••••••••••••••				· · · · · · · · · · · · · · · · · · ·	······	3/mpula 47 32	360 W
•••••				• • • • • • • • • • • • • • • • • • •	· ·	122 19	940 W
			····· · · · ·			Ezer Anos S	
							4617
• •			, , ,	· · · · · · · · ·	······································	2 nel plymser	7 25 61 4
•	•		•	4 4 4 4 <b>4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 </b>	· · · · · ·	3 RD Testro co	-x 301-1 6-
	••••••	· · ··· ·			······································	120 LORF R	SAC4
				· · · · · · · · · · · · · · · · · · ·	· · · ·	CHEEN - AR	DP, DP, BC ung
*********			: .	· · · · · · · · · · · · · · · · · · ·	•••••••••••••••••••••••••••••••••••••••	PID 30 S	QU4KES
··· ·		····				FOR 1912	9195
				· · · · · · · · · · · · · · · · · · ·	<del>.</del>	47 32 33	5 N BOTTON
•••••		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			r 40·Ψ
	· · · ·		•	·····			

C-2 Page 16 of 18

	1 1	ł		
20				
	\$	ĺ		HAWDERSON 7/27/202
				1147104
	- <u> </u>	· · · · · · · · · · · · · · · · · · ·		CRIZU DP, HORIZO BC, 4p
				BUAT : DAVE MOLLINS
			······································	File molens
	· · · · · · · · · · · · · · · · · · ·			
	· · · · · · · · · · · · · · · · · · ·			+12 Lover BUST KAMP MERCE
				840 FUST GUAR - HARD TO
				Marie Subury Off
		•		
		i		
		· · · · · · · · · · · · · · · · · · ·		Bommen
· · · · · · · · · · · · · · · · · · ·				120 47 34.020 50-521 (610)
	A set of the set of th	14 17 -) International American	·····	122 20,936 5an T
			·	1130 UT 34, 020 (#17)
	(1)			122 20, 929 50' 74
			····	1150 122 20, 936 57 (# 12)
			÷ .	71/39,070
			· · ·	
		······································		1222 412 24 40
K			1	1220 47 34.071 50 420
	· · · · · · · · · · · · · · · · · · ·		**	122 20 930 NO
	1 11 1 4 11 (49)(1)-(4)(14)(14)	1975 mil 3 hann ann a 1	i.	
题	· · · · · · · · · · · · · · · · · · ·	·····		12K 20 937 1 NU
			:	1230 47 34 070 521 #22
			1	
		*** ***		122 20 930 +1
	· ·····		·····	Endor would a 5 soman
				D15 12,50
K.				

C-2 Page 17 of 18

**加**库 22、 23 H. Awperson 9/20/04 CLOW BCITD, MAR BOAT DAVE MULLINS P30 ON STATION BYD C-2 Page 18 of 18



BI Taxonomic Data Report

Wind ĽĊ viconmental

X: Y: LAB TISSUE FORM

LDW

217105

mrowony

Bla - CORE

Project

Station:

no.

Project Name:

Date:

04-08-06-21

C-3 1 of 52

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNERDA CHUSACCANS Misc	0.3 0.2 60.1	·····	
CAUSIACCIONS	0.2		
Misc	60.1		
M-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
······			
		·	
······································		***	
TOM	0.5		

Comments:

### Lower Duwamish Waterway Group

Project no.

Station:

ЦĊ

LDW

TAXONOMY B2a - CON

2

2105

CORE

ironmental

Project Name:

Wing

Date:

04-08-06-21

X: Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELDA	0.6		
CRUS MCGANS	1.1		
ANNEUDA CAUSMICHUS MOLLUSCA	0.8		
Misc	CO.1		
		·····	
·····			
· · · · · · · · · · · · · · · · · · ·			
TOME	2.5		

Comments:					·····
			i		
	 			*****	
	 				•
······································	 		······		
·····	 	· · · · · · · · · · · · · · · · · · ·			

#### Lower Duwamish Waterway Group

W .Ċ iconmenta

LDW

7105

21

Project no.

Station:

Project Name:

Date:

04-08-06-21

X: Y: TAXONOMY Sample ID: B3g - CONE

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNCUDA	0.9		
Chuspacenus	0.6		
AWNEYDA CHUSPACEANS MOLLUSCA	0.3		
· · · · · · · · · · · · · · · · · · ·		***	
TOME	1.8		

Comments:

Lower Duwamish Waterway Group

Wi LĊ wironmental

LDW

105

CORE

217

BYQ-

Project no.

Station:

Project Name:

Date:

04.07.06 -21

X: TAXONOMY Y:

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELIDA	0.5		
AWWEYDA CUUS MICHWS	0.3		
Misc	40.1		
TOML	0.2		

Comments:

Lower Duwamish Waterway Group

LDW

Project Name:

Wind

Date:

Project no. 04.07-06.21 Station:

2/7/05 X: Y: MXONOMY Sample ID: R5a - 2 CONE

йċ

ironmental

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNELDA	0.1		
CHUS MUGANS	20.1		
AWNELIDA CUNS MUGANS ULSC	٢ ٢٠١		
			· · · · · · · · · · · · · · · · · · ·
<u> </u>		-	
			······
TOME	0.1		

Comments:	
· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·	
	· ·

#### Lower Duwamish Waterway Group

LĊ

MROWOWY

Blog - CONE

environmental

Project Name:

X: Y:

Wind

Date:

 $\frac{1}{2 \sqrt{14} (05)} Project no.$ 

04-08-06-21

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWWCUDA CHUSPACIANS WOLCUSCA	0.2		······································
CRUSPACIANS	20.1		
MOLLUSCA	2.5		
Misc	60.1		
TOME	2.7		·····

Comments:

#### Lower Duwamish Waterway Group

Wind ĽĊ invironmental

LOW

MONOMY

2-105

cones

21

879

Project no.

Station:

Project Name:

X:

Date:

04.07-06-21

C-3 7 of 52

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)		Invertebrate Group	Estimated weight (ww)
Aureung	0.3			
ANNELLINA CINSMILLANS	0.9			
MISC	CO.1			
		L		
· · · · · · · · · · · · · · · · · · ·				
			·	
·····				
			·- ·····	
······································				
			· ·	
······				
······				
TOME	1.2			

Comments:	· · · · ·	 ••••••••••••••••••••••••••••••••••••••			
		 	••••		 
		 		·	 

#### Lower Duwamish Waterway Group

Wing LAB TISSUE FORM LLC iconmental

LOW

2/7/05

Bfa - cons

Project Name:

X:

Date:

04-08-06-21

Project

Station:

no.

Y: Sample ID:

Comments:		 	<u></u>	·····
-	 			
·	 	 		

# Lower Duwamish Waterway Group

Wind Word	
Wind Ward	LAB TI

LDW

2/7/05

TAXONOMY Bgg - Conce Project

Station:

no.

Project Name:

Date:

04.07-06-21

Y: Sample ID:

X:

Comments:	 			<u> </u>
	 			······
	 	· · · · · · · · · · · · · · · · · · ·		
	 ······································			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			· ·	

# Lower Duwamish Waterway Group

Wi LĊ mironmental

LDW

2105

21

Project no.

Station:

Project Name:

Date:

04.08-06-21

X: Ϋ́: TAXO WOMY Sample ID: BIDa - cons

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNELIDA CRUS MULANS	0,5		
CRUS MULANS	0,4		
Music	c0.1		
		· · · · · · · · · · · · · · · · · · ·	
TOME	0.9		· · · · · · · · · · · · · · · · · · ·

Comments:	 		
	 	· · ·	
	 	···· · ··	
	 · · · · · · · · · · · · · · · · · · ·	<u></u>	

#### Lower Duwamish Waterway Group

Wind LAB TISSUE FORM c nvironmental

DCA-1

LDW

TAXONOMY

217105

CORE

Project Name:

Х:

Date:

A4.

Project no.

Station:

04-08-06-21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNELINA	0.3		
CULUS MILENNIS	1.4		
MOCLUSICA	0.1		
misc	20.1		
······			
· · · · · · · · · · · · · · · · · · ·			
······································			
TOM	1.8		······································

Comments:

Lower Duwamish Waterway Group

Wi LĊ nvironmental

X:

LAB TISSUE FORM

cous

LDW

212/05

MXONOMY

-3

BCA

Project no.

Station:

Project Name:

Date:

04-08-06-21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNELDA	0.9	······	
CIUSMUM	0,3		
AWNERDA CHUS MICHNS Mis C	60.1		
			-
TOME	1.2		· · · · · · · · · · · · · · · · · · ·

Comments:	 		 
		·····	 

Lower Duwamish Waterway Group

Win d Word	
Wind Ward	LAB TISSUE FORM

RIA

21

TAXONUMY

u

05

- MAME

Project Name:

X: Y:

Date:

04-08-06.21

Project no.

Station:

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELIOA	201		**** ****** **** *****
ANNOCION CAUSMCUMMS	0.1		
· · · · · · · · · · · · · · · · · · ·			
·		[	
<u></u>			
TUTME	0.1		

Comments:	 			 
			······································	 -
	 	·		 

Lower Duwamish Waterway Group

Wind Ward

LDW

7105

- MAME

PAXO WOMY

21

B2a

Project no.

Station:

Project Name:

Date:

04-07-06-21

C-3 14 of 52

X: Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANWCUDA	1.6		
CINSMUS	1.3		
AWWELIDA CHWSMCWAWS MOLLUSCA	9.1		
······			
· · · · · · · · · · · · · · · · · · ·			
DAL	12.0		

Comments:	· · · · · · · · · · · · · · · · · · ·
	~~

Lower Duwamish Waterway Group

ЦĊ

TAXONOMY

PRAME

B3a

environmental

Project Name:

Wind

Date:

 
 LDW
 Project no.
 D4 · OF · OG · 2/

 2/7/05
 Station:

Y: Sample ID:

X:

Invertebrate Group Estimated Invertebrate Group Estimated weight (ww) weight (ww) AWNCUDA 3.3 Chus Macuns 1.6 MOLLUSON 7.P MISC 20.1 TOME 12.7

Comments:	
	· · · · · · · · · · · · · · · · · · ·

# Lower Duwamish Waterway Group

Win	Ward University
	envirunmentai

DW

7105

Project no.

Station:

Project Name:

Date:

04-08-06-21

X: MXONDINY Y: Byg Sample ID: FAMIL

21

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNEUDA	0.9		
Chus Milins	1.6		
ANNELIDIA CHUS MUMS MOLLUSCA	3.8		
		····	
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·			
			[
			····
			,

Comments:			·	
-				
		·····		
······································	······································	······································		
			•	

#### Lower Duwamish Waterway Group

Win	d/Ward
VV III	Yenvironmental LLC

FRAME

LDW

217/05

MXOWUMY

Project Name:

Date:

Project no.

Station:

04-08.06.21

X: Y: B5a-2 Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNOUDA	1.9		
MOLLUSCA	5.9		
······································			
· · · · · · · · · · · · · · · · · · ·			
		····	
i,			
• • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •
TOME	7-8		,

Comments:	

# Lower Duwamish Waterway Group

· /	
Wind Ward	
Win() waiu	E
	LAB TISSUE FORM

LDW

217/05

MAXONDMY

Bla-

Project Name:

X: Y:

Date:

04-08-06-21

Estimated

weight (ww)

Project

Station:

no.

Sample ID:

Invertebrate Group

 Invertebrate Group
 Estimated weight (ww)
 Invertebrate Group

 ANNCHNA
 5.2
 Invertebrate Group

 MUSMENNS
 20.1
 Invertebrate Group

 MOLLUSM
 9.9
 Invertebrate Group

FUAMO

			<u> </u>		
·····					
					···· •···
	TOM	15.1		· · · · · · · · · · · · · · · · · · ·	

Comments:		
· · · · · · · · · · · · · · · · · · ·	 	
······································	 	 
······································	 	 

### Lower Duwamish Waterway Group

	-
XX/in	d/Ward
vv m	Yenvironmental LLC

X: Y: LAB TISSUE FORM

LDW

217/05

MONOWA

BZa- Fugue

Project Name:

Date:

Project no. <u>C</u> Station:

04-08-06-21

C-3 19 of 52

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
Awnerion	0.5		
MOLLUSM	0.3		
MOLLUSIA	4.7		
	···		
	· · · · · ·		
· · · · · · · · · · · · · · · · · · ·			
		-	
······			
······································			
	1	· · · · · · · · · · · · · · · · · · ·	
	++		
TOM	5.5	·····	

Comments:	
•	
	N

# Lower Duwamish Waterway Group

Wind Ward	LA
environmental	LA

Project Name:

Project no.

04-08-06-21

LOW 2/7/05 Date: Station: X: Y: DARONOMY Sample ID: Bla

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELIDA	1.6		
ANNELIDA CHUSMELLANS MOLLUSCA	<u> </u>		
MOLLUSUA	5.4		
	····		
		-	·
TOME	<u>8.4</u>		· · · · · · · · · · · · · · · · · · ·

Comments:				
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			 
		·····		 
	······································	· · · · · · · · · · · · · · · · · · ·		 
······································		······································		 
	·····		·	 

# Lower Duwamish Waterway Group

Win	Ward environmental LLC
VV III	Yenvironmental LLC

X:

R9a

LAB TISSUE FORM

LDW

217105

TAXONOMY

- PMMC

Project no.

Station:

Project Name:

Date:

D4.07-06-21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
Aurion	2.7		
CIUS MUCHANS	1.4		
MUNCLISA MOLLUSIA	13.3		
· · · · · · · · · · · · · · · · · · ·			
	-		
· · · · · · · · · · · · · · · · · · ·			
·····			
TOM	17.4		

Comments:	 	 		 	 
·····		 	····	 	 

Lower Duwamish Waterway Group

irc	Lab	TISSUE	Form
-----	-----	--------	------

VMME

LDW

2105

MROWOMY

21

B100

Project no.

Station:

Project Name:

X:

Wing

nvironmental

Date:

04-08-06-21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
Awwennin	O.P		
CHUSMICANS	0.6		
MOLLUSUA	2.7		
······			
· · · · · · · · · · · · · · · · · · ·			
		······································	
······································	·····		
······		····	
			····
TOM	4.1		

Comments:		······································		 	••••••••••••••••••••••••••••••••••••••
	······			 	
			·		
	·				
			· · · · · · · · · · · · · · · · · · ·	 	

Lower Duwamish Waterway Group

Win dalard	
Wind Ward	LAB TISSUE FORM

BCA-1

LDW

112110

PARONOMY

PRAME

Project Name:

Date:

04-08-06-21

Project no.

Station:

Y: Sample ID:

Х:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
Awnerion	1.1		
CHUS NALLANS	0.9		
AWNCUM CNUS MILANS MOLLUS M	6.0		
·			
			·····
····			
			-
tom	0.8		

Comments:

Lower Duwamish Waterway Group

·	
Wind Ward	Lan
environmental	LAB

Project no.

Station:

Project Name:

Date:

04-08-06-21

X: Y: TAXONOMY Sample ID: BC1A - 3 PMAnus

LOW

217/05

Invertebrate Group	Estimated weight (ww)		Invertebrate Group	 Estimated weight (ww)
ANN CUBA awsmichus	1.0			
awsmums	1.1			
MOLLUSCA	1.2	<u> </u>		
· · · · · · · · · · · · · · · · · · ·		ļ		 
	·	1		 
		<b> </b>		
		<u> </u>		 
		<u> </u>		 
			· · · ·	 
······································				
· · · · · · · · · · · · · · · · · · ·				 
TOME	3.3			

Comments:		·	 	
			 ······································	
		·····	 	
· · · · · · · · · · · · · · · · · · ·			 	
	·····		 	

### Lower Duwamish Waterway Group

Wind Ward	
environmental 220	L

Project Name:

Date:

Project

04-08-06-21

C-3

25 of 52

LOW no. 1/2/105 Station: X: Y: TAXONOMY BID Sample ID: VAN UBEN

Invertebrate Group Estimated Invertebrate Group Estimated weight (ww) weight (ww) RD AWNEUDA 5.8 CRUSPACLANS 2,5 MOLLUSCA 2.8 MISC O.Y 11.5 TOTAL

Comments:		······	
· · · · · · · · · · · · · · · · · · ·	 		
	 ······································	· · · · · · · · · · · · · · · · · · ·	
		<u> </u>	
	 		····

# Lower Duwamish Waterway Group

View

uc

B2h

1/21/05

VAN

MKOWOMY

iconmental

Project Name:

X: Y:

Wind

Date:

Project no.

Station:

04-08-06-21

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNOWNA	3.4		
ANNOWDA CANSINACOANS MOLLUSCA	3.5		
MOLLUSCA	8.9		
mis C	0.1		
· · · · · · · · · · · · · · · · · · ·			
TTO MR	- 15.9		·····

#### Lower Duwamish Waterway Group

Wind	/ Ward <sup>ronmental LLC</sup> LAB TISSUE FORM	n
Project Name:	LDW	Project no.
Date:	1/21/05	Station:
X:		
Y:	TAXONOMY	
Sample ID:	B36 VW VEW	

Comments:	·····	· · · · · · · · · · · · · · · · · · ·	······································		 
				·····	 ·
		· · · · · · · · · · · · · · · · · · ·			
· · · · · · · · · · · · · · · · · · ·		·····	·		
	·····				

#### Lower Duwamish Waterway Group

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

C-3 27 of 52

04.08-06.21

a a a			
LLĊ	LAB <sup>®</sup>	TISSUE	FORM

105

TAXONOMY RUN NAN VIEN

LDW

ł 21

Project Name:

Х:

Wind

ironmental

BYD

Date:

Project no. 04-08-06-21 Station:

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNERDA	11.4	······································	
CHUS MICHNS MOCIUSER	20.1		
Mociused	7.5		
ECHINODOWS	0.1		······
Mis(.	10.1		
······································			
TOM	19.0		

omments:	Comments:

## Lower Duwamish Waterway Group

W

VAN VEON

LDW

Project

Station:

no.

Project Name:

Date:

04-07-06-21

1/21/05 X: Y: TAXONOMY Sample ID: R5b

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELION	67 10.	5	
ANNELIDA CHUSTACOMS MOLLUSCA	Q=7 1.3		
MOLLUSCA	6.2		
Misc	20,1		
	,		
·····			
TO ME	lf.D		

Comments:

Lower Duwamish Waterway Group

Win ĽĽĊ nvironmental

VIN VON

LDU

TAXONOMY

0

2

66 -

Project

Station:

no.

Project Name:

Date:

04.07-06-21

X: Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELLAR	15.6		
CAUS Millions	0.5		
MOLUUSCA	0,5		
ANNELLANS CANSPALLANS MOLUUSCA MISC	0.1		
·······			<u> </u>
· · · · · · · · · · · · · · · · · · ·			
······			
TOPAL	18.7		·····

Comments:				····· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	- <u>-</u>	
-			 			
	······	,	 			 
······································			 			 
· · · · · · · · · · · · · · · · · · ·						

### Lower Duwamish Waterway Group

Win	Ward environmental LLC
/	environmentai

X:

LAB TISSUE FORM

VAN Vien

2/7/05

Mrowomy

RZb

Project no.

Station:

Project Name:

Date:

04.07-06.21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWWELLOA	5,5		······································
AWWELLOA ChusMutans	0.5		
MOLLUSCA	23.0		
MISC	60.1		
		-	
· · · · · · · · · · · · · · · · · · ·			
TOME	29.0		· · · · · · · · · · · · · · · · · · ·

Comments:	· · · ·	 	·····	
· · · · · · · · · · · · · · · · · · ·	4	 ······		
		 	·····	· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·	 		······································
	· · · · · · · · · · · · · · · · · · ·	 		
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		 <u> </u>		

### Lower Duwamish Waterway Group

Wind Ward LC

Project Name:

Project no.

04.08-06-21

2/7/05 Date: Station: Х: Y: BPb von Vers Sample ID:

Invertebrate Group Estimated Invertebrate Group Estimated weight (ww) weight (ww) ANNOLDA 7.2 CLUSMULINUS 19.7 MOLLUSCA 20.5 47.4 TOM

Comments:

Lower Duwamish Waterway Group

Port of Seattle | City of Seattle | King County | The Boeing Company.

C-3 32 of 52

Wind c deanmenta

LOW

MXONDMY

VMW

Van

2

695

Project Name:

Date:

Project 04.00-06-21 no. 14/05 Station:

Y: Sample ID:

Х:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNERSA	3.0		
CIUS MCOANS	7.5		
AWWEELDA CHUSMCOANS MOLUSCA	17.4		
······································			
······			
	· · ·	·····	
,		····	
· · ·			
TODA	220		
JUITC	27.9		

Comments:	 	
-		 
	 ·····	 

### Lower Duwamish Waterway Group

Win Jakard	
Wind Ward	LAB TISSUE FORM

B10b

LDW

MXONDMY

 $\sim$ 

VAN VERN

2015/25

Project Name:

X: Y:

Date:

Project no.

Station:

04.07-06-21

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNELDA	3.0		
CAUS TA COMUS	20.7		
ANNELIDA CAUSTACCANS MISC	20.1		
······	·····		
· · · · · · · · · · · · · · · · · · ·			
······			
			*
NMZ	23.7		

Comments:		 		 ······································	
· · · · · · · · · · · · · · · · · · ·		 ······································		 ·····	,
	· · · · · · · · · · · · · · · · · · ·	 		 	
· · · · · · · · · · · · · · · · · · ·		 		 · · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·	 <u> </u>		 	
		 	· · · · · · · · · · · · · · · · · · ·	 	
			+		

Lower Duwamish Waterway Group

Wi LAB TISSUE FORM LĊ ronmental

BCA-2

LDW

2/14/05

TAXONOMY

VAN VEON

Project Name:

Date:

Project no.

Station:

04-08-06-21

Y: Sample ID:

X:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWWGUNA CAUS M COTUS	12.4		
CAN'S MY COMOS	0.6		
MOLLUSCA	0.6 L0.1		
MISC	LO.1		
, ,_, ,, ,			
TOTAL	13.6		

Comments:	 		 	
-		 · · · · · · · · · · · · · · · · · · ·	 	
	· · · · · · · · · · · · · · · · · · ·		 	
	 	 ·····	 	
		 	 ······································	

### Lower Duwamish Waterway Group

Wind Word	
Wind Ward	LAB TISSUE FORM

LDW 2

BCH-4 MAN

2105

VAN VEON

Project Name:

X:

Date:

Project no.

Station:

04-08-06-21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWVELIDA CAUSMEDANS	142.P		
CUUSMOOTUS	1.7		
MOLLUSM	15.1		
Misc	1.1		
· · · · · · · · · · · · · · · · · · ·		·····	
	-		
TOME	36.7		

Comments:	· · · · · · · · · · · · · · · · · · ·	 	 	
		 ······	 	 ·····
	·····	 		

# Lower Duwamish Waterway Group

Wind Ward	LAB TISSUE FORM
environmental and	LAB TISSUE FORM

LDW 2/14/05

TALONOMY

VAN UCON

Project Name:

Date:

Project no.

04-08-06-21

Station:

3CA - 5 Sample ID:

X: Y:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNOUDA	1.0		
HWWEUDA ChusMcean HOCLUSM	1.6		
MOLLUSCA	1.7		
Misc	0.2		
		-	
····			
·····			
	_		
TOTAL	9.6		

Comments:		€ <u></u>	 	
	· · · · · · · · · · · · · · · · · · ·	······································		· · · · · · · · · · · · · · · · · · ·
		<b>9944 - 1944</b>	 	
			 ······································	

### Lower Duwamish Waterway Group

TVI JAVand	
Wind Ward	LAB TISSUE FORM

2/7/05

MXONOMY

BCA-6

Project Name:

X: Y:

Date:

04-08-06-21

Project no.

Station:

Sample ID:

.

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNOLDA	11.8		
AWNOUDA CHUSMCONS	19.7		
TOME	31.5	1	

VAN VEW

Comments:	 		

Lower Duwamish Waterway Group

Wind Word	
Wind Ward	LAB TISSUE FORM

Blb

LDW 1/21/05

MRONOMY

CORE

Project Name:

X:

Date:

04-08-06-21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELION	0.1		
CRUSPACOANS	20.1		
CRUSPALDANS MOLLUSCA	L0.1		
TOML	0.1		·····

Project no.

Station:

Comments:		· · · · · · · · · · · · · · · · · · ·			
		 	· · · · · · · · · · · · · · · · · · ·		
				, <u></u> , <u>_</u> ,,	
· · · · · · · · · · · · · · · · · · ·	······································	 			

### Lower Duwamish Waterway Group

Wind Ward	
VV III ( environmental LLC	LAB TISSUE FORM

LDW 1h'

TAXOWOMY

B26

05

CONS

Project Name:

X:

Date:

04-08-06-21

Project no.

Station:

Y: Sample ID:

Invertebrate Group	weight (ww)		Estimated weight (ww)		
AWNELON	0.2				
CRUSTACOAN	60.1				
MOUUSCA	0.5				
Misc	20.1				
·					
·····					
TOTAZ	0.7		,		

Commente	 		
Comments:			
	 ·····		
		· · · · · · · · · · · · · · · · · · ·	

### Lower Duwamish Waterway Group

TYT 1/VT 1	
Wind Ward	L

LOW 217/05 Project no.

Project Name:

Date:

04-08-06-21 Station:

X: Y: TALONOMY B36 - CON Sample ID: cones

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
Anneuna	0.2		
CINSMACHINS	60.1		
ANNELLAR CUNSTACEANS MUSC	20.1		
an, a			
······	· · · ·		
		·····	
		····	
TOTAL	0.2		·

-

Lower Duwamish Waterway Group

	·
Wind Ward	
VV III Yenvironmental ILC	LAB

LDW

24/05

CONE

TAROWOMY

34h -

Project no.

Station:

Project Name:

X: Y:

Date:

04-08-06-21

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELIDA CHUSTACOTUS MOLLUSCA	0.5		
CAUSIACOMIS	60.1		······································
Moleusch	1.2		
MISC	CO.1		
<b></b>			
		· · · · · · · · · · · · · · · · · · ·	
	_		
······			
·····			
		······	
TOMZ	1.7		

Comments:	

Lower Duwamish Waterway Group

Wind	Ward	LAB TISSUE FORM

LAW

Project Name:

04-08-06-21

Date: 24/05 11 X: Y: TAXONOMY BSb- CORE Sample ID: core

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELION	0.4		
CAUSTACEANS	20.1		
MOLLUSIA	0.1		
Misc	. 00.1		
·			
·····			
		· · · · · · · · · · · · · · · · · · ·	
			····
, , ,,, ,,, ,,, ,,,			
TOMZ	0.5		· · · · · · · · · · · · · · · · · · ·

Project

Station:

no.

Comments:	 	 		 
<u></u>	 ·····	 		 
	 	 	·····	 

Lower Duwamish Waterway Group

Project no.

Station:

LĊ

BGb-

LDW

MXOWOMY

4/05

CORE

dronmental

Project Name:

X:

Wind

Date:

04-07-06-21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNEUDA	0.6		····
CHUSACOANS	20.1		
MOLLUSUA	20.1		
MIGC	<u></u>		
······································			
		· · · · · · · · · · · · · · · · · · ·	
			· · · · · · · · · · · · · · · · · · ·
TOME	0.6		

Comments:			······		 	
······					 	
		- <del> </del>			 	
			·····		 	
				· · · · · · · · · · · · · · · · · · ·	 	
	·					

Lower Duwamish Waterway Group

Wir ùс iconmental

04-08-06-21

Project Name:

Date:

Project no. LUW 24/05 Station: X: Y: MXONOMY B76-Sample ID: CORE

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELIA	LO.1		
MOUUSCA	20.1		
MOUUSCA	20.1		
Misc	CD.1		
		-	
TUM	L 40.1	1	

Comments:	
Comments:	

# Lower Duwamish Waterway Group

Wing LĊ environmental

X: Y: LAB TISSUE FORM

LDW

2

TAXONOMY 385- COKE

05

Project

Station:

no.

04.09-06-21

Project Name:

Date:

Sample ID:

Invertebrate Group	Estimated weight (ww)		Invertebrate Group		Estimated weight (ww)
AWNELINA	0.1	1			
AWNELINA CHNSMEDTUS Mis C	0.1				
Misc	60.1				
·····					
·					
······································					
·····					
······					
- 147 01	0.2			,	

Comments:	·····	 	 <u></u>		
		 	 ·		
			 ******	······································	
· · · · · · · · · · · · · · · · · · ·					
······	1 <b></b>		 		
				<u></u>	

Lower Duwamish Waterway Group

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

C-3 46 of 52

Wing LĊ ironmental

X:

LAB TISSUE FORM

LDW

2

DAXONOMY

R9b-

2/05

cone

Project

Station:

no.

Project Name:

Date:

04-08-06-21

Y: Sample ID:

.

Estimated weight (ww)		Invertebrate Group		Estimated weight (ww)
0.1				
60.1				
60.1				
		···		
-		· · · · · · · · · · · · · · · · · · ·		
		·		
	_			
				·
	-			
- m \				
	weight (ww)	weight (ww) 0.1 C.0.1 C.0.1	weight (ww)         0.1         C0.1         C0.1	weight (ww)         0.1         C0.1         C0.1

Comments:				·····
	 	······································		
			·	

# Lower Duwamish Waterway Group

Wing LĊ ironmental

X:

LAB TISSUE FORM

1/24/05

core

TAXONOMY

B106-

Project Name:

Date:

Project Station:

no.

04-08-06-21

Y: Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWWCCINA CRUSPACEANS MISC	20.1		
CLUSPACEANS	0.1	······································	
Misc	20.1		
	-		
· · · · · · · · · · · · · · · · · · ·			· · ·
			-
			***********************
· · · · · · · · · · · · · · · · · · ·	-		
TO M	0,1		····

Comments:	
······································	

Lower Duwamish Waterway Group

LAB TISSUE FORM LĊ

Project Name:---

Wing

viconmental

Date:

04-08-06-21

Project

LDW no. 2/7/05 Station: X: Y: MXOWOWY Sample ID: BC14-2 CORE

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNELIDA CHUSPACEANS MOLLUSCA	0.2		
CHUS PACETANS	20.1		
MOLLUSCA	20.1		
Mesi	60.1		
· · · · · · · · · · · · · · · · · · ·			
TOME	0.3		·····

Comments:	 			*****	
			<u> </u>		
	 		······	,	
· · · · · · · · · · · · · · · · · · ·	 	·····			

Lower Duwamish Waterway Group

W LĊ ironmenta

X: Y: LAB TISSUE FORM

COKE

LDW

2/14/05

MXOWDMY

BCA-4

Project Name:

Date:

Project 04.08-06-21 no. Station:

Sample ID:

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
ANNCLOR	60.1		
Chus Micans MOLCUSCA	6.1		
MOLLOSCA	60.1		
· · · · · · · · · · · · · · · · · · ·	<u> </u>		
· · · · · · · · · · · · · · · · · · ·			
······································			
		-	
······		***	
	_		
TOMAL	60.1	,	

Comments:

Lower Duwamish Waterway Group

Win	Ward LLC
/	

X: Y: LAB TISSUE FORM

LDW

THAOWOMY BCA-5

2/7/05

Project no.

Station:

Project Name:

Date:

04.08-06.21

Sample ID:

Invertebrate Group	Estimated weight (ww)		Invertebrate Group	Estimated weight (ww)
AWNERIDA MUSC	20.1			
Misc	20.1			
		<u> </u>		
		ļ		
		<u> </u>		
		ļ		
·····		ļ		
TO 174				,
10114	L LO.1			

Comments:	 	 	 	 •••••••
••				 
	 · • • • • • • • • • • • • • • • • • • •	 	 	 
	 	 	 ····	 

# Lower Duwamish Waterway Group

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

C-3 51 of 52

Wind ιĊ ironmental

2/17/05

Project

Station:

no.

Project Name:

Date:

04-07-06-21

X: Y: MXONOMY Sample ID: BCA-G COKE

Invertebrate Group	Estimated weight (ww)	Invertebrate Group	Estimated weight (ww)
AWNEYDA	0.1		
CRUS Millaws	0.1		
MOLLUSCA	60.1		
MISC	<u> </u>		
· · · · · · · · · · · · · · · · · · ·			
			·····
		·····	
TOMI	0.2		

Comments:	 		<u> </u>	
·····				
· · · · · · · · · · · · · · · · · · ·				
		· · · · · · · · · · · · · · · · · · ·		

#### Lower Duwamish Waterway Group



BI Taxonomic Data Report

Wind Ward Environmental LLC CORRECTIVE ACTION FORM
Project Name and Number: $h D W$ $0 q \cdot 0 P - 06 \cdot 21$ Sample Dates Involved: $\frac{2}{27}/04$ $h u \phi$ Measurement Parameter:
SMITION LOLATION
Acceptable Data Range:
Problem Areas Requiring Corrective Action: <u>VGUY LITTLE INTRATIONAL MOODS</u> WENE PRESENT MT THE TWO SAMPLING LOCATIONS BZ a MO B9 a
Measures Required to Correct Problem: <u>STATION DRG WAS MOUSS APPOOR MATERY</u> <u>OI MILE TO HE NOWLY OF THE OMIDIONAL LOCATION AND B99</u> <u>APPROXIMATING 0.2 MILES TO THE SOUTH OF THE OMIDIONAL LOCATION</u> Means of Detecting Problems and Verifying Correction:

Initiators Name:	Dell's chuditan	Date:	Planloy
Project Officer:	<i>n</i>	Date:	
QA Officer:	Fad hashler	Date:	10/4/04

LLC **CORRECTIVE ACTION FORM** inacital Project Name and Number: LDW 04-08-06-21 Sample Dates Involved: 3118 THRU 9/24/04 Measurement Parameter: SAMPLING PERios Bannuc D₽ IN VOUTE BRATE Acceptable Data Range: THE QAPP SMARK THAT BENTUC INUCLE BRATH WOUD Ber COLLECTED BETWEEN 8/9 Aug \$120104 Problem Areas Requiring Corrective Action: Collection Or bonnue IN VOLTEBULA TES WAS VERY Time CONSUMINC AND iT WAS NON POSSIBLE TO DO IT IN MAT TIMO PRAME RACK -2005 Measures Required to Correct Problem: SAMPLOS word LOGT 316, 326, 346 e 356 AT DUC D FEDER OR COLUMBU HE SAMPLINIE PETLIOD WAS EX RENDED 9/24/04 Means of Detecting Problems and Verifying Correction: D Initiators Name: Hell's chudden

Project Officer: QA Officer:

Date: Date: Date:



#### **CORRECTIVE ACTION FORM**

2DW 04-08-06-21 Project Name and Number: Sample Dates Involved: P/12 PHRU 9/24/04 Measurement Parameter: SIMUE SIZE FUR SUBMOM RENTUC community SAMPLES Acceptable Data Range: 0.5 mm MUSH SIEVIS Problem Areas Requiring Corrective Action: LANGE VOLUMO OK Scolmont WAS RETAINED ON THE O.Sim SIEVE LUPPO 16L POL VAN VEEN ONAB Measures Required to Correct Problem: SIZE THA SIEVE WAR CHANGED D 1:0 mm MUSH Means of Detecting Problems and Verifying Correction: 8/30/04 8.20.04 Helles chudeton Initiators Name: Date: Project Officer: Date: QA Officer: Date:



#### CORRECTIVE ACTION FORM

Project Name and Number: LAW 04-08-06-21 Sample Dates Involved: 9/24/04 P 12 THRU Measurement Parameter: REPUMPE NUM BER 0V SAMPLES Pon THE SUBMOM COMMUNITY SAMPLES Acceptable Data Range: QAPP THE 5 STATES PLAT REPLICATES WOULD BE COLCERDO Problem Areas Requiring Corrective Action: BERNSE 04 LANGO VOUME OV SUDIMENT AND ORBANIC MATTER RETAINEN ON ME 1.0 Mm SICIO THE NUMBOL OF REPLICATES WAS Measures Required to Correct Problem: REDUCED D 3 Means of Detecting Problems and Verifying Correction:

Initiators Name: Project Officer: QA Officer:

Jellis dudyon 8/30/07 Date: Date: \$30-04 Date:

Project Name and Number:	LDW 04-08-06-21
Sample Dates Involved:	3/12 THRU 9/24/04
Measurement Parameter:	COLLECTION OF ADDITIONAL COLL
SAMPLUS	IN SUBITDAL COMMUNITY SAMPLUS
Acceptable Data Range:	
Measures Required to Correct F	COMMUNITIE WAS LOST DUE D THE INCROAS FROM O.S. MM TO I.O.M.M. A CORE SAMPLE TAKE

Date: トロ uditen 8130104 Date: le, 8.30.04 Date:

Project Officer:

QA Officer:

ž