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Gastropod pilot survey results December 3, 2004

W/ir	Ward
YY JI.	Yenvironmental LLC

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#### GASTROPOD EIELD COLLECTION FORM

<u>6/ 16/04</u> :: <u>0855</u> nod: <u>SONNY CUB</u> <u>1a Andersen, Derek Pe</u> 	Aire	X: Y: Sample ID:	Comments to picture Photo taken at On flag looking upstream Paracan photo sot taking from the waterway look an share N=50 pape habitan fucus t baracky t musso and boken pilling interspect collection of organism
nod: <u>SONNG</u> CLA Na Andersen, Derek Pe	#		Comments to picture Photo taken at On Flag looking usstream Pararan photo sof taking From the waterway look an share N-Sciprop habitan fucus t barnacks t musse and baken pilling interspe
SONNY CLU Na Andersen, Derek Pe	#	Sample ID: omplitiv Photograph # 3,12 4-7	Photo taken at On-Flag looking upstream Panaram photo sof taking From the waterway look an shore N-25 ripap habitan fucus thermaks to musse and broken pilling interspe
le Andersen, Derek Pe	#	empl/tu Photograph # 3,12 4-7	Photo taken at On-Flag looking upstream Panaram photo sof taking From the waterway look an shore N-25 ripap habitan fucus thermaks to musse and broken pilling interspe
۰ 	#	Photograph # 3,12 4-7	Photo taken at On-Flag looking upstream Panaram photo sof taking From the waterway look an shore N-25 ripap habitan fucus thermaks to musse and broken pilling interspe
		3را 4-7	Photo taken at On-Flag looking upstream Panaram photo sof taking From the waterway look an shore N-25 ripap habitan fucus thermaks to musse and broken pilling interspe
		3را 4-7	Photo taken at On-Flag looking upstream Panaram photo sof taking From the waterway look an shore N-25 ripap habitan fucus thermaks to musse and broken pilling interspe
		4-7	Panarama photo sof taking Panarama photo sof taking From the waterway look an shara N-Srippap habitat fucus t barareks to musse and broken pilling interspe
	~		Pararam photo sot taki From the waterway loop an share N-Scipping habitat fucus thermely + musse and broken pilling interspe
			From the waterway look on shore - scipnip habitat fucus + barneps + nusse and baken pilling interspe
······································		8-9	an share " prop habitat fucus + barnaks + nusse and baken pilling interspe
	~~	8-9	Fucus + barnicks + musse and baken pilling interspe
		8-9	and boken pilling interspe
		8-9	
		8-9	collection of one in
			from Survey aren inch
			omphipods, Books, polychaet
	ł		mussols, barnacles and
			share crabs.
		10-11	limpet
·····		13	Photo taken onshorn looking
	<u> </u>	14	22 frame intrund Sample
			Macama + comprision
		15	Looking 5, nomenos entre
·······			piles of focus + barnach
		16	Looking of rip ap w/ bry
			fucis + Mu
<b></b> .		17-18	Looking N-NW from 100
		19	Looking N, Phototokan I los
Lat= 47'34.0	46N Lonail	22°21.010 W	
_	$\sim$		
1 Lot - 1 37.	UN LONE	122° 21.0220	J
WAC FRAMES			· · · · · · · · · · · · · · · · · · ·
DIARGE EAND	owus co	ROMMENTE . )	) IMPROVING STATIC
¥.	_		
2m3 3/ 1 M	sources -	y covorun	m > Normana
	V Lot = 47'34, Mac Prames	           	$- \frac{14}{14}$ $- \frac{14}{15}$ $- \frac{15}{15}$ $- \frac{16}{15}$ $- \frac{16}{17-18}$ $- \frac{17-18}{19}$ $- \frac{19}{19}$ $\frac{14}{19}$ $\frac{19}{19}$ $\frac{14}{15}$ $- \frac{17}{15}$ $- \frac{17}{18}$ $\frac{19}{19}$ $\frac{1}{19}$ $\frac{1}{100}$

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Wind Ward

	GASIRUPUD FIEI			FURM		
Project Name:		Project no.		TIUS	Gla	( - <sup>1</sup>
Date:		Location:	·			
Start/Stop time:	9-1030 Mg	<del></del>	X:			
Sampling Method:	- -		Y:			
Weather:		Sample ID:				
Crow						

EODA

Gastropods	#	Photograph #	Comments to picture
ROLKY SHOWS NOX	uess		
Mai Reard Tralpe !			
150 PODS, HEMMI GAMPSU	is, BM	MUUS, MU	MEWS, LONS OK
ISOPODS, HEMICONAPS, FUCUS, AM PHIPOD	5,01	10 LIMPEN	2021 F
×			
BLOMMES : MYME	is th	At 60	nonus)
			<i>K</i>

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

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Wind Ward

Project Name:		_ Project no.			
Date:	0/17/04	Location:		620	
Start/Stop time:	1115 - 1145 Man		X:		
Sampling Method		_	Y:	·	
Weather:	SUWARM LLBA	Sample ID:			
Crew:	DP, BC, MA				
	· ·				

Gastropods	#		Photograph #	Comments to picture
spaniting pourt	47-33	,	670	
	122 20		999	
ENO POINT	47 32	(Å	21	
	55 31		202	
			PHORDS #	69-76
N				
100 m numesouts:	1,3 C n	for the	3, 2411	· · · · · · · · · · · · · · · · · · ·
A start of the second sec				· ·
EPI FAUMA:				ŧ
MARC BARANUS	MESSE	<u>5 5</u>	, SONIC	AMBERICOS, NO
100 DEVA				
UMU MUDDY -	malons	2	COUMED	IN MUD
ROCKY ON M SI	00 -		SUN BAR	(66)
4	3		-	
IN FARMAR .				
FELL CONDAMIUM				
5 MACOMIN SP	rom.		COUP OF	5 FRANCES
NO VOLA CHARTES	-			

LONDON	optimie	MATTON	100	SED S	- (2000	6410
	Sie Ve	FING GU	97 1000	SEDG.		
				10985-		

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	roject Name:			Project no.	
. D	Date:	6/16/04		Location:	639
S	start/Stop time:	1035 A.	n	X:	
··	ampling Method:	s		Y:	
<b>v</b>	Veather:	CLOAK WIN	BY SUMME	Sample ID:	
c	rew:	P. RC. H	A.		
G	Bastropods		#	Photograph #	Comments to picture
	-		-	20	tation @ 100 m flag locking W
					rip mp / rock frees + lerenches
					+ MUSCOS @ SE RAD
	- · · · · ·		·		Kallaga IS.
	-	~		21,22	Looking W Sloping barthard
L.					Tiprop / Fock
.				23,24	lockeny E from 100 m (E-3)
		C7466Ad	63mg-	25	Looking w Frim * (0-)
			•••	26	Looking E From 100 m end
				27	loohing JE tran
		<b>**</b>	<b>1988</b> -	28,29	organity collected from
		<b>40%</b>			63a,
					<b>x</b>
				······	
		7.			
·					
100 5	MANUSCI	rs : 3, >	cherry,	15 mini	torun and
10000	THE PARTY OF THE PARTY	<u>, , , , , , , , , , , , , , , , , , , </u>			
	á.	·	<u>, , , , , , , , , , , , , , , , , , , </u>		· · ·
Г					
nce c	Comments:		15 mm	(22)	<u></u>
. 5	sturt Coordin	ute Lat = 4	1° 33.4 12 N	Long. = 122°	20.682 W
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	End condin	when Lat = 4	7'33.424 N	Long = 122	20,748 w
Ê), F			7' 33.459 N	Long= 122	20, 797w
~	END COONS		<u>135 1 N</u>	pong : ind	mut 111 m
V from)					
	Start 6007	s (same as abo	wa 47 33,459	122 20,79-	1) * photo 26
JUUM	En) era	185 Lot - 4-	1°33.508 N	10-10=11	2 20,816 W
1 A. 184		uwamish <b>W</b>	atorway G	oun	Gastropod Pilot Survey
		City of Seattle   King C		FINA	June 4, 2004 Page 28



Project Name:		Project no.	·····		
Date:	- 1p	Location:	63 a	KELLOOU	1 sunno
Start/Stop time:			Х:	· · · · · · · · · · · · · · · · · · ·	
Sampling Method:			Y:		
Weather:		Sample ID:		·	
Crew:					

Gastropods	#	Photograph #	Comments to picture
SOUTH DAVID ROCKEY			
10072A (150/01), H47		DHIE HOMPS	MIDDS. HWB CHHES
- YOUCH THAN TIOS	SMA	WUS , peruci	
	, ,		
SAWAY STRETCH W	1 MUD	" CLINES	4 Normanh
· · · · · · · · · · · · · · · · · · ·			
MUDDY STRETZIN	- AFE	nd CRABES	HUNDROMONNO (M
		**************************************	
	*	· · · · · · · · · · · · · · · · · · ·	<u></u>
			· · · · · · · · · · · · · · · · · · ·

Comments:	

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Distance On 100 m

#### GASTROPOD FIELD COLLECTION FORM

Project Name:		<u></u>	Project no.	· · · · · · · · · · · · · · · · · · ·
	16/04			64a
Start/Stop time: 12	10			X:
Sampling Method:	1 .( )			Y:
Weather: Sunny, Crew: BC, HA	lear, wry	-40 -30 tet	Sample ID:	
Crew: <u>BC, HA</u>	<u>.</u>			
Gastropods		<b>#</b>	Photograph	# Comments to picture
			30	Looking 5 from Om fl.
		-	31	Lookin N From 100mf
-		•	52	organitas cillected from
				64a. Same as other
				stations, but well longer worms + whermit crob.
				worms t athermit crowb.
INFANAL FU	Mmes !			· · · · · · · · · · · · · · · · · · ·
1) a.M. B	·····	2 NOT-11.	26 31	Non Deducity tot min Telant
S COROP	1	SUBSITUT	TRI AL	NOTHING 4/ NOTHING My W/DEENS, LOCKY ON
3 Mr			E Lage War	
	<u>2</u>	1		
BRIKOWINOS	(BIOMAS	Le.	**************************************	
muncul,	PORM. 4	Emi came	SUS BAL	M-UUS
£	ş		·C	
* <u></u>				
Comments:			<u> </u>	
Start Gamas	Lat: 47°	33.627 N	/ Long	- 122° 20.671 w
			here and her	
End Counts	Lat: 47°	35. 301 V	Lona	122° 20.648 W
· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	3
1 THANGER	,2 CREE	U, ZW	K.	
- Freezen - Antesant		-   & n		······································
	<b></b>		<b>.</b>	

Wind Ward

Project Name:		Project no.	
Date: 6/17/04		Location:	<u>85 A</u>
Start/Stop time: <u>930 - 10 m</u>	and the first state of the first	X:	·
Sampling Method:		<u>Y:</u>	
Weather: Swinney		Sample ID:	
Crew: MW, DP, BC, I	hills		
Gastropods	#	Photograph #	Comments to picture
STANTANI POINT 47	32 952	N	
122		14 Las	
END YOINN 47	32 91	2 K/	
	20 54	5 NU	
		1100 10	
		# 55-67 55-58	LOOKING WSW
		59	LOOKING NINE
· · · · · · · · · · · · · · · · · · ·		60	ROCKY UNSINT
· · · · · · · · · · · · · · · · · · ·		61	MUD FUELT
		62-64	LOI BONYOS
		65-67	SIEVE
EPIBENINDS:	i	• • • • •	
CEANS, ISOPODS (SM	meth) w	0 1 DO 1239	AUSSERS, BARMAUSS
BIDMAGS : MUSSEL	. 1° # 16.1.1	Lommu	
			1
INFRIMME FRAMES			
· · · · · · · · · · · · · · · · · · ·			
1-5 LOCK M SPAND	ro koceri	MUD	LONDIHUM, POUL
in the the second of	VC Ebd Ölt	POLA CAM	TUS I PIC OF SIGNE
Comments:			
100 h Terringer : 1, 30	concrus, +	KK	
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GAS	I ROPOD F	IEL	D COLLEC	TION F	ORM
Project Name:			Project no.		
	04		Location:		66'a
Start/Stop time: 1015 -	1045 Aug	Ť.		X:	200
Sampling Method:		<u> </u>		······	
Weather:				<u>Y:</u>	
Crew: MU, BC, DP.	. ) 6		Sample ID:		
- roop be be	bod fiz				
Gastropods	J	<del></del>			
	#	_	Photograph	1#	Comments to picture
SMANTINE POINT 47	12.10	a			
	20 32	2	1		
END POINT 47	32 936				
	20 305	80000 20000	<u> </u>		
EPI BON MOS!		┼──			
BORMANUS, CRAMES (P.	K				
	1			andr.	PHAS 6/16 AMO
identia de la de altre de la della d	Am Poli			1_1/12	COPHILIN (LOPS)
POLOS KOD DO 1	ocas	_ K	Older of	Anno	1 KLATZEN W/

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mus under	[	er.		<u></u>		7.8 .8	BENTEA	T las	
Bizmags: MUMLUS		Bm	i	1					·····
		(Dalah	rwe G	<u> </u>	<u> </u>	2154	Charge	5	
100 m Tubbu SEZA	1	2	6th	201		ben.			
	1				1	GR Ph		·······	······································
INFAMAR PEANES									
	········							<u> </u>	
Lors of 1000000	1.	5					·		
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7								
LOCKY SCOLMONIC	en la							<u>-</u>	
	» <u> </u>					·	······································		
PHOTO 63						<del>~</del>			1
P4010 : 63									·

Comments:	
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**GASTROPOD FIELD COLLECTION FORM** 

3	Project Name:		Project no.		
	Date: 6/17/04		Location:	GIB	
	Start/Stop time:		X:	· · · · · · · · · · · · · · · · · · ·	
	Sampling Method:		Y:		
	Weather: <u>SUMMA</u>		Sample ID:		
	Weather: <u>SUMM</u> Crew: <u>MW, DP, PC</u>	MA			
IOW	Gastropods	#	Photograph #	Comments to picture	
7 30Am	LAT 4734, 136			ALGAE, I PIECE OK	
731 Am	1 12220, 785			PILLER SOME SAND	
	· · ·		NO PHOID	2 SUPPROL SNAR	
				2 Sudden P	
the provide a s		2		TOTAL # SNALLS ! P	
2720	LAT 4734,137		1 100 1 1 1 100 M		
747AM	LONIA 122 20, 790		I PHORD	ALGAS SAND ISHNIMP	
		12	·	TOMEN SNAILS ! 12	
7 48 May	· •		················	IVINUE Sivilius 12	
*					
31000	KAT 4734.137		SELERA	ISAMON ALGAC	
	LONG 123 20 390	<u>A</u> .	Menoins	1 SEMMEN ALGACT	
800 Am			Schoots	1	
is I ama is	F. a. s by way for & very gradient		* * *** * * ****	must also at the second state of the second st	
YOW	LAT 4734,135	230	NOPERIO	TOTAL & NUMPES ; 30	
82 Ran	LOWA 122 20793				
P2. Car					
an and the second					
,		<b>I</b>	- <b>I</b>		*
	Comments:				
		, ``			
	1 1000 114	1 LEAN	Dentry 3	OHA ST Play	· · ·
·	ATOW 144	1 unit	14		
ł	3700 114	1 Mini	17		
	4 Tours 1:4	1 min	Ŷ	and a second	
		· · · · · · · · · · · · · · · · · · ·		ç .	
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# GASTROPOD FIELD COLLECTION FORM

ject Name:		Project no.					
e: <u>6/12/04</u>		Location:	Location: 6 / 6				
urt/Stop time:		X:					
		Y:					
eather. <u>CLEAN, LIDUII</u>	· WWDY	Sample ID:	and the second				
exter: <u>CLEAN, LIDUI</u> exter: <u>LIUI, DP, RC</u>		······································					
		Photograph #	Comments to picture				
astropods	# 10	NO PHOD	TOTAL SALANCE ! 10				
AT 4734,135		IVG Provid					
onthe 122 20 791							
PROFOS : 46, 47, 44	51,53	, 54					
		· ·					
Comments:							
5 DW 1:4 1	Min		······································				
			Y				
			and a second				

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ar an	GASTROPOD FIELD COLLECTION FORM							
	Project Name: <u>LDU</u>		Project no					
,	Date: 6/17/04		Location:	626				
	Start/Stop time:		X:					
	Sampling Method:		Y:					
	Weather: <u>SUNNY</u> , WINDY		Sample ID:					
	Crew: MW, DP, RC, H,	<u> </u>		1				
A	Gastropods	#	Photograph #	Comments to picture				
1 TOW	LAN 4734 039	N 50		LOTS OF SNAR				
1238	LONIG 122.20 PS2			BLOWN MEGHE				
1239				Strends, Source				
Dut	I AT LARD ALL ALLA			New support				
1254	LAT 47 34,040			FEW Mile And				
1255	20m/4 122,20, 451		·	COME GAND				
CU OT				5 SWMILS POTRIN				
1300	LUT 4734 038	320		\$ 20 SHIAICS				
1301	LOWA 122.20 1949							
040				Constantistication and a second se				
1311	LAR 4234030	<u>~</u>		BUNGING MEMO				
1312	LONA 12220850	~75		Sound SAND				
YOW	in the second state of the			LOTS OFSWALL				
1321	LAP UN 34 045	· · ·						
•	MANA 122 20 482	·····						
1395	LAP 4228,993	N 25		SLOWBOL ORNA C				
	LONA 122 20, 822			MUBBLA LE Saverte				
				C THE PART THE THE THE PART OF				
	-							

Comments:			and the second	
IDW	1.4	IMIN	40 FT	
2700	1:4	1 mjw	and the second second	
3 TOW	114	1 marine	and the second second	
4 DW	1:4		Constant Constant	

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Ward ILC

4 TOW

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	Project Name: Date: Start/Stop time: Sampling Method:	6/16/0 1354 - 1600	5	Project no Location: X: Y:	63b
	Weather: (	CLEAR, WINDY SUMMY O, KL, BC, DP, HA		Sample ID:	· · · ·
TOW	Gastropods	······································	#	Photograph #	Comments to picture
4477	LAS L	17 34,055			FING GRAINGD PAAT PAG OFFICE BIG FOUL
448	LAT 47 LONG 12	34, 078		1 Prioro \$3	CIDWI) CLINOCANDIVIA 2 SINAILS, I MAD (SAMI
5 TOW					AL # SNAILS 2( (DEAN & HULLE) I HULMIT CAME
1530 1532	LAT U LONU	1734,037 12220,9P7			SPIDLE CRABS TOTAL # SNAILS 23
		17 34, 087 22 21, 007			BAUMMUS SCIAPER SNAIC 2 SNUMP
V.s.		······································	· · · · ·		
	Prioros :	33, 34, 35, "	6,33,1	34, 39, 42	, 43, 44, 45
	Comments: 4 DW	Innin 1;	4	15 FT D	NECP
	5 172(J)	1± nin 1	:4	22 FT	Derse
- · · · · · ·					

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	GASTROPOD FIELD COLLECTION FORM							
	Project Name: <u>L D W</u>		Project no.					
	Date: 6/16/01/	.t.	Location: G36 CTIOS SUBILI					
	Start/Stop time: 1354 -		X:					
	Sampling Method: <u>BENTHIC</u>	LEDIRE	Y:					
	Weather: CLUAM WINDY		Sample ID:					
. <u>.</u>	Crew: UL, TG, RC, DP, HK							
1	Gastropods	#	Photograph #	Comments to picture				
54	LAT 47 34.046			· · · · · · · · · · · · · · · · · · ·				
et v	10116 122 20.989		1 PHOTO	STARKISH SHUMP				
tow			· • • • • • • •	(2-5), UNITON				
	1AT 4734.071							
55	LONG 122 20, 99P							
レス	LAT 4734.044	AP-	No	PHOTO				
. 19x	LONG 122 20, 9 ft ]	SLED66		NOT4/NG				
4	LAT 4734.069							
25	LONG 122 20, 994	·						
ر ۲۰ موسیسی								
******	LAP 4734,04P		NO 1	MEXAMIT CUMP				
03	10NG 122 20, 982		PHOD	I CUMUGON				
36								
37	MAT 4734,077							
10	20WA 122 20 A92							
				· ·				
	ά.							
	Comments:							
	IDW I WIN (DW)	51	15 ppm					
	HIMM J WING JONN	1111	÷.,€ ₹.,₹					
· .	LATTICE & Marcal	<u> </u>						
	3 to 4) 35 FT 1	MN 4	<u>i</u> ł					

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Wind VWarc environmental LLC

	Project Name:		Project no.	· · ·
	Date: 6/17/01	1	Location:	646
	Start/Stop time:		`	
	Sampling Method:		Y:	· .
	Weather: <u>SOWM</u> , was	w dy	Sample ID:	
	Crew: MW, DP, RC;			
1 Tow	Gastropods	#	Photograph #	Comments to picture
	LAN 47 33 GIX	20		SNIALLS MOOT 10
35	Lank 122 20 474			SOME SAND
1336				مر
1349	LAT 47-33 912			
1350	20min 122 20 872		7220	and the second sec
- <b>ت ر</b>			1311	Austral 1941
the former of	LAT 47 33 842 LOWA 12220 833			
and the second sec				Marchildelics
2000	LAT 4733918			SWARIG ALDUR &
REPEAT	LOWIN 122 20 870	8		noon much lasse
STOW	LAT 47 33 913			
1400	122 20 Abs	325		MUD
1411				SLEW Acre Calentes DE
	LAT 47.33 834			Swinnig reput
EN STR	1011/1 122 20 P3P	-		<u>Vecuirs</u> Switce About de
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ъ	Comments:			<u>.</u>
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1720 Č<sub>e</sub>ff 1 Deg 1 Contraction of the second DEGO 2 10/4 C. The In the second DISLEAND SEP & John ¥ Come. 31220 I Care d whet -.55

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Lower Duwamish Waterway Group

Gastropod Pilot Survey June 4, 2004 Page 28

Wind Ward

	Project Name:		Project no.	
	Date: 6/17/04	· · · ·	Location:	646
	Start/Stop time:		X:	
	Sampling Method:		Y:	
	Weather: <u>SUMMAN Could</u>	149 - Y	Sample ID:	
	Crew: RC, DP, Mus, 1	L94.		
TOW	Gastropods	#	Photograph #	Comments to picture
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	1200-122.20 862	X IS	1 pmolo	GRACIUS
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O NW	LAT 4733 862			MUD
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	Aller			Para
DW	UT 4733 924			
1432	20-12 12 20 861	215		DALY A PULL
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	2			····
	Comments:			
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	51041:4	f sources.		
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Lower Duwamish Waterway Group

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	GAS	IROPOD FIEL	D COLLECTION	FORM
	Project Name:		Project no	
	Date: 6/17/0	4	Location:	6.56
	Start/Stop time:	2 	X:	
	Sampling Method:		Y:	
	Weather: <u><u><u>G</u>UWW</u><u>W</u></u>	wider	Sample ID:	
	Crew: Miny BU, RC	<u> </u>		
t minut	Gastropods	#	Photograph #	Comments to picture
1 TOW	LAT 4738 929	2		ALISTRE GAND
1453	LONU 120,20 933		NOWE	2 grungites.
1454				HOUMING CHIPS
				" A State of the s
2 TOW	47 33 925			<u> </u>
1501	Long 120 20 931		Wowky	NOTHING CLESS
1502	WAT UT 33 884 1	eng		1 ShrAnc
	10mla 120 20 Pas			Nanadaga
STOW	LAF 47 33 921		MIGWIN	EMPTY
	20ma 120 20 926		*(4.5 <u>*</u> %(4.6 <u>*</u> )	
1507		"-		gefilestitene .
4000	LAP 47 33 925			
1519	LOW 12020 926		NEWE	ENINY
1520			-	source : x t t
1240	LAT 47 33 845			
	100th 120 20 909	<u> </u>		
: 				
	L	<u> </u>	l.	

Comments: . U 100 TOW May is N. Nº J hap read 2 Tow 14 1 person f Concerne STOW 114 A Car and 7 the Lary 4 tow 1:5  $\mathcal{A}$ MAIN 500

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Lower Duwamish Waterway Group

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Wind∕ LC environmental

70W5 1529 **GASTROPOD FIELD COLLECTION FORM** 

Y:         Weather:       Summer       Y:         Sastropods       #       Photograph #         Sastropods       #       Sastropods         Sastropods       #       Sastropods         Sastropods       #       Photograph #         Sastropods       #       Sastropods         Sastropods       #       Photograph #         Sastropods       #       Sastropods         Sastropods       #       Sastropods         Sas	· · · · · · · · · · · · · · · · · · ·	ion:		e Goo	1 7 forthe	6		
tart/Stop time:	· · · · · · · · · · · · · · · · · · ·			100 m	1 4 1 Super 148	44		e:
Veather:       Summer Way       Sample ID:         rew:       MW, DP, PC, HA         iastropods       #       Photograph #         AM:       Y7: 33       930       Q         AM:       120       20.       925       1         AM:       120       20.       925       1         Image: Second	· · · ·	<u>X:</u>					ne:	rt/Stop tim
Ewr.     Mu, bl, RC, MA       astropods     #       AT     YT 33       OHMA     120       OHMA     120       AZ     1       Image: Stropods     1       Image: S		Y:					thod:	npling Me
astropods     #     Photograph #       AN     47     33     930     Q     1       QMMA     120     20     925     1     1       Image: Strategy of the strategy		ID:		n OA	With	م المام أراد	Su	ather:
AT 47 37 930 Q				492	RC V	· br,	Mid	w:
2044 120 20 325 1	Comments to picture	graph #		#			;	stropods
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Comments:	2 SWALLS							
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Lower Duwamish Waterway Group

Gastropod Pilot Survey June 4, 2004 Page 28

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Wind Ward

	Project Name:	ROPOD FIE	Project no.	
	Date: 6/19/01	er]		666
	Start/Stop time:		X:	
	Sampling Method:		Y:	
	Weather: SUNN WIN	wit	Sample ID:	· · · ·
	Crew: <u>RC, MULDP</u>			
TOW	Gastropods	#	Photograph #	Comments to picture
540			2	ALOF OKSWHILS
The	LINT 47-33 764	2050		HUD, WOOD DUSMA
541	Land 120 20 804			ALANE, DAKK SAND
row	1AF 4733 763			
	LOWL 120 20 805	13	-	13 GNANIS
551				MUD, DARK SAND/Dre
552	LAST 47 33 674 2 ENG			
	LOW6 120 20 763 1			
DW	245 47 33 764	7		
520	1000/2 120 20 803	Ţ		7 SWAILS
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m. I		2		SHIMPS, Yount Chaps
ow	Litt 47 33 762	<u> </u>		your LIERCE in
9	horus 120 20 794		N 8,1	per
NSI-			<u></u>	
<b>~1.</b> \	LAT 47 33 763			7 SWARLS BOAK
NW	NOME 120 20 793			A DARRY IS LAND MEMORY L
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4 TOW	1:4	1 energy	Constant and the second
5 TO(1)	1:4	1 m/m	~

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Lower Duwamish Waterway Group

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Wind Ward

1) 847

2) 855

3) 9<sup>03</sup>

4) 909 5) 918 6) 92

	GAS	IROPOD FIEL	D COLLECTIO	N FORM
Project Name:	<u>8</u>	<u> </u>	Project no.	LDW- 676
Date:	6 18 04		Location:	· · · · ·
Start/Stop time:	845		X:	·
Sampling Method:			Y:	
Weather:	UMPA		Sample ID:	
Crew:	DRBC, HA			
Gastropods		#	Photograph #	Comments to picture
······	47 33 657	İ		
	122 20 718			30' deep - gravelly substr Jarger rocks
	47 33 659	3		hit something @ 2308
	122 20717			
	47-38 663			hit something @ ~ 20 sec
****	122 20 713		Discarded	hand
	47-33 648	ø		hit something @ 240sec
	122 20 721			
	47 33 664	ø		hit something @~40 sec
	122 20 714			
	47 33 662	-7		hit something @ 240sec
	122 20 717		2	came up empty
· · · · · · · · · · · · · · · · · · ·	47-30 666	LShip	ellecourty!)	ININ
	12220 721			lots of rocks
	a a construction of the second se			
HITAL 1	2 ESTONATIONS S	1725 ?	SEE ROU	PREME AND GRACEL
$\underline{k}$	SHELMAS			CONCERCISION OF CONTRACTOR

1 Mar

Comments:			END CODEDS:				
	MN			·			
2) 1:4	30 Sec	-stoppe	d by something				
3 1:4	20 Sec	_ n	, discarded Sampl	e			
<u>4)</u> 1:4	40 sec	N	4				
हो ।:4	40 Sec	A	Vì				
6) 1.4	40 sec	N.	رز	- : - : 			
4 14 ower	Duwami	ish <b>W</b> at	erway <b>G</b> roup	astropod Pilot Survey			
				June 4, 2004 Page 28			



3-755

6th 819

<b>GASTROPOD</b> FIE	LD COLLECTION FORM
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Project Name:		• •	Project no.	
Date:	6/17/0	<u> </u>	Location:	LOW- GPD
Start/Stop time:	735 Am		X:	
Sampling Method:			Y:	
Weather:		<u>.</u>	Sample ID:	
Crew: $\underline{MW}$	DP, RC, HA			
Gastropods		#	Photograph #	Comments to picture
LAF 473	3,695	2	FULL T	DISCANDED
LONEN 122 2	0, 837			
LAT Y		~75	1015	small bivalves (mace
LOW4 12	2 20. 83P			y to get a get a get and a second
lat 47	- 20 1.8-2	.15		
LON 122				Annah 1
	<u> </u>			**************************************
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	7 33 684	30		n fan skrien fan skrie fan skri
•	<u>7 70 838</u>			
4	7 33 688	>	FULL - DIS	carded
r	12 20 838			·····
	47 33 683 22 20 935	/3		
	22 20 935			
Comments:		\$		
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2 7041		y card	end coor	· •
3 tow	• • • •	MN		
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5 TON	1:3.5	www		
6. 7 8 TOW		<b>N</b>		
- 8 TON -	1:35 45	Sec		



GASTROPOD FIELD COLLECTION FORM

Project Name:	· 1.	v la il		Project no	CAL	<u> </u>	
Date:		8/04	<u> </u>	Location:	G96	LDW	
Start/Stop time:	9:5	5			X:		
Sampling Method:		)			Y:		
Weather:	<u>Simr</u>	1		Sample ID:			
Crew:	M. , DF	, BC, Hr	٢				
Gastropods		· · ·	#	Photograph	n#	Comment	s to pictur
u?	33 4	D		-> Full	Dis	carded	
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		108	5		Man	y small	
ş.	+	чбч			· · · · · · · · · · · · · · · · · · ·		·
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	122 20	458					
	47- <b>3</b> 8	405	ø				
	12220						
	47 33		٢				
	122 22	<u>454</u>					
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5)-1:35	4550.	let out	move line	\$	0	/	
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6)-1:3.5	45 sec						
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ower I /	ruwamis	in <b>Mate</b>	rway <b>Ly</b> i	oup			June 4,
Port of Seattle   (		<b>— —</b> .		- FIN	AL		Pa



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**GASTROPOD FIELD COLLECTION FORM** 

v.	Date:         6/18/04           Start/Stop time:         1/:15		Location: G10	6
•• Ayy ••	Sampling Method:	· · · · · · ·	X: Y:	
	Weather:		Sample ID:	
	Crew: DPMY, HATE RC			······································
		20 		·
	Gastropods	#-	Photograph #	Comments to picture
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	47 32 892			
14	12 20 305			
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4	112 Imria			
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Lower Duwamish Waterway Group Port of Seattle | City of Seattle | King County | The Boeing Company

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Date: 6/1₽/0	4	Location:		6116
Start/Stop time:			<u>X:</u>	
Sampling Method:	<b></b>		<u>Y:</u>	
Weather: SURIRIA, WING	not .	Sample ID:		
Crew: Hun PC, DP,	HN, T	<u>C.</u>		
Gastropods	#	Photograp	oh #	Comments to picture
47 32.730	2			
122 20,219	<u>]</u> FV	lalar mar 1	NS CARDE	0
47 32 740	Ø			
122 20 217				
47 32 746	<u> </u>			
199 20 200	*			
47 32 743	Ø			
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47 32 743	Ø			·
122 20 203				
42 82 745	1			
12 208				· · · · · · · · · · · · · · · · · · ·
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1:3	1 Mix	ē.	0
1:3	I PA IN		
1:3:5	I KA H		

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Lower Duwamish Waterway Group

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WL A Land	
Wind Ward	
environmental	

Project Name: LOW & 26		Project no.	
Date: 618 04	· · · · · · · · · · · · · · · · · · ·	Location:	G126
Start/Stop time: 3.40	-1426	X:	y and the second se
Sampling Method:		Y:	· · · · · · · · · · · · · · · · · · ·
Weather: SUMM	5	Sample ID:	
crew: <u>MW/DP/BC/</u>	HA /TOM		
Gastropods	#	Photograph #	Comments to picture
47 32 549 122 20 136			]
ne 20 136			l
47 32 545	C)		
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122 20 134	Vesa	ALDED	
47 32 562 122 20 155	Ø		obeo Nor
122 20 155			STATION
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5-7	1:4 1 unico	16 FF 17.50

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Wind Ward

GASTROPOD FIELD COLLECTION FORM Project Name: Project no. 6/18/04 Date: 6134 Location: Start/Stop time: X: LATILONIA -ONE BUT MAY ON WEBMA Sampling Method: Y: BANK SUNNUM WILLIMM OUTSIDE UNITED YRUGE WOUL Weather: Sample ID: TG. MW. DP. RCIMM Crew: SMUGA NPSMANA OK SCMMA metric NEXT TO. Gastropods pucit # Photograph # Comments to picture 32 YX 235 12 ENO COORE  $\mathcal{O}_{i}$ 128 DIS CIPLACO 6 X 0 30 122 1 Ca and the second 1 4732 264 122 10 IN GENERAT HT OF O al 32 sv7 CA IN Rach 1 DECK ON 4 Am MR Ct 250 5 / C. [] 226 3) - 3 746 10 NO land 3 LONA 2 scapens 269 47 32 2 , iii 122 19 722 COCALLS and Care way 541038 CAPY4886. R/ Ung Luces

	Comments:		
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Z	1:5	1 min	LIFT
3	:3	1 anicy	
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# Lower Duwamish Waterway Group

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

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	a 1			
A	Wind Ward			
- All Constant	VV III Genvironmental LLC			
	GAST			NEODU
	Project Name:			
18 <sup>1</sup>	Date: 6/21/04		Project no	.1.2
	Start/Stop time: 10:55		Location: G	
	Sampling Method:		<u> </u>	Barge was on the location
		9A10		· · · · · · · · · · · · · · · · · · ·
	Weather: <u>Clear, Sunny, Wind</u> Crew: <u>A. Rodviguez, D. Belltrie</u>	v T. Do	C. C. Sample ID:	
<b>-</b>	*	$\leq \epsilon_{1} \cdot \nu_{0};$	D. CORNDICIN	
low #/TIME	Gastropods / Coordinates	#	Photograph #	Comments to picture
1/10:55	47° 32.062 N/122° 19.316W			Full discurded
2/11:05	47°32.074N/122°19,312W			Full discarded
3/11:10	47°32,068 N/122°19.321W			Full discarded
4/11:15	47°32.070 N/122° 19.322W	0		
5/11:00	47° 32.067 N/122° 19.321 W 47° 32.069 N/122° 19.326 W	0		
0/11:00 7/11:40	47032.068 N/122° 19.320W			
8/11:50	47032.071 N/ 1220 19.323 W	2*		Clams, 1 gastropod lost to
01				and the second second
	· · · · · · · · · · · · · · · · · · ·			
	·			
	Comments: Tow #1 8044 4:1	Scope for	1 minute	
- -	Tow #2 80 f+ 311 Scope			
	· · · · · · · · · · · · · · · · · · ·			~ .
	Tow # 3 18 Ft 3: 1 Scope for	<u>in 90 seci</u>	rvede	
	Tow # 4 17 ft 3: 1 Scope fo	r 30 secon	ds towing ac	ross the mouth of slip rather to might
· · ·	Tow \$ 5 17ff 3:1 Scope fo	r 1 minut	ر ۹.	
	Tow#6 17ft 3:1 Scope fo			
				· · · · · · · · · · · · · · · ·
	Tow#7 18ft 3:1 scope fo Tow #8 17 ft 3:1 Scope	C Minute	nete.	
K#	Lower Duwamish Water			Gastropod Pilot Survey
	Port of Seattle   City of Seattle   King County		- FINAL	June 4, 2004 Page 28
	the second start of second range county r	Poeing cov		raye 20

Wind Ward

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**GASTROPOD FIELD COLLECTION FORM** 

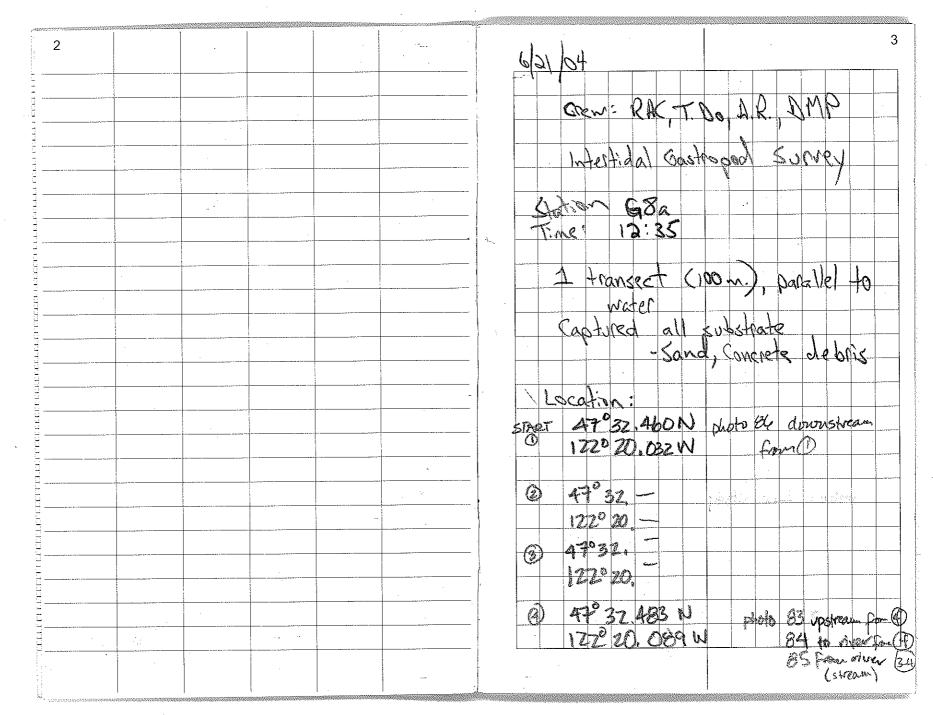
	Project Name:			Project no.		. ·
	•	6/21/04		Location:	15 B	
	Start/Stop time:					
	Sampling Method:			Y:		
	Weather: Clea	r Summu, Wind	80'5	Sample ID:		-
	Crew: A. Rot	r Sunny, Wind driquez, D. Pelticu	T.Do. B	, Conspilla	<u> </u>	-
				Photograph #	Comments to picture	]
1	Gastropods	and the second s	#	Photographi #		
4	the of the second	1122°18,534W			Full discarded Shells, Clams, Corophium	
2/3:25		1122° 18,538W	turn,		Clams, Polychaetes Corophium	
3/3:35		1/ 122° 18,538W	0	Palashander	Juz Starry Flounder, Mysidfla	as the second
4/5.40	47031 444	1/122°18.540 W		Palacheck	mphippeds, Shells, Mysid	
6/41 mm	4702, 640	1/ 122° 18.543W	0	Channe Marel	, Corophium, Polychaetes	
₩ <b>₩</b> ₩ \$1.5,7 \$270				· .		
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	1	#1 10ft 411	ų			-
· .	ToN #2 1	0f-+ 3:1 scape	for I Mir	unte	·	
		1 ft 3:1 Susper f				-
	1	5ft 3:1 Scope				
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		oft 3:1 Scape				
	<b>L</b>		······································			

Lower Duwamish Waterway Group

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CONTENTS REFERENCE DATE PAGE ALL-WEATHER WRITING PAPER SURVEN <u>ဖ/၃</u> 600 molma Name \_ Address \_ INCHES Phone. Project \_ Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook. Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Darling Corporation.



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4 C.Couph	icum)		(Corophium) 5
shore crabs	, worms (sligoch	mussels, clams, actes polychaetes)	Aughippeds, mussels, some crass, barnales isoppos, polychaete, oligechaete, bright red brig
bright rea Infaunal fra Ib Ma	une samplong		Infaunal frame sourpling sand-free sand - few Conspiration
3 pd	jchiets Corophician		all else - nothing
Station G72	14'PTD		Station 69a 14:45 photo 89 downstream From 600t 90 constream From 600t
Caphird	all subside	) parallel to shove	street 470 32 374 N
Location	nd, gravel, colé	ste, concrete debr	STOP 47032 396 N
	2.68(N) 0.(84W)		Mostly concrete debn's, some peobles, cobble, gravel, sand
5000 47° 32 122°	- 723 N 20.177 N		Mussels, barnades, shore coals, Corophilian,
photo B1	· ·	ream (stop) to upstre	
	Mon Moinar		to do complete frame aven; still dug down to 10 cm depth when possible; 5 frames