PHASE II FIELD NOTES AND FORMS

V. 28.21 TD	06.25,21 TD03
900 Arrive at Salmon Cove Park	to excessive heat conditions
to prep for manual collection	1155 Pack up to deput site.
of samples at Area 36	1215 James Brown departs.
T. Do, S. Replinger, A Vandevort,	1200 BC samples and COCS.
B Quinlisk > www, and	Depart site. End of
James Brown	gicid sampling day.
0905 H/S biref + COVID SLOTER	
0910 on site, set up, locate	
locations,	
0955 Collect Stagle	
1000 Collect ITbalo	
1015 Collect 55695	
1030 Collect IT695	
1045 Collect 55693	
1050 Collect ITG93	
1110 Collect 55 691	
1115 Collect ITGI	
1134 Collect 55 G2	
1135 Colled IT692	
1146 Location 697 vuderwater.	
Suranne called Karty	
to discuss either waiting	
for tide to crop or contect	
another day Decided to	
collect another day due	Rite in the Rain.

40,000	The	101. 74 21		775 5
OUSD Amue at SPM.		ING	tion, Kristen Keri	s departs.
TDO, 68°, SUM	Bearin			
1001) Degin	1320 PH	location 564	
loading supplies.	F PNADOW Las	1004 140	mpt #1 at 5104 ve freely to refu	sul death 195
Obys Mut up w/ SE	B TO THE PARTY NAMED IN	16.3	a ceceser 12	70/2
T. Thompson, D.	Ovoroning	12.5	A recovery, 82	2- MU (.)
D. Dickinson	(1)(1)	pen pen	etrated to 5-25	+ 1000
0655 Kn Sten Revns (USACE)	1444 10a	user ove to so	poor occión.
anyves.		Pyt	oussing crew to	not collect
0700 SEE Setting up a	oning eggs.	an	y more cores to	day.
0500 Health and Safety		1450 Pt	5PM., offload	C 1 C
CETTO siveen.		1502 De	put marine.	End of
orio Head to location	n 560.	62	· water day,	
logger Attempt #1 a	f 500		,	
Hit refusal at w	n. ft. pen.			-
9.1 ft. recovery,	82.0%			
penetrate down	·6 -14H MUW		00/	
(target is -16.	C+ MUW)		1000	
1055 Timesfer Con to 3	SUPPORT VESSEL.		1 / 2	
1105 At 10 cation 558	11	- · · · X	29.	
1105 At location 558 11122 Attempt #1 at 5	5B	- \	/ Wou'	
Crove freely to de	off 18:25 ft.	14.		
16.8 A. recovery	92.1%		NHe: I near	miss"
penetrated to>-2	5 A. MUW+			segment dropped
1295 Transfer core to	SUPPORT VESSIL.	/		dler succeed,
12.20 1 20 10-10 1	en for west		No injuri	
1230 Lunch Greak, pr	CI) la race.			Rite in the Rain.

	0701.21 JDD 9
06.30.21	0605 Amire on-site at SPM.
Renetrated to > -25 a min	60s, overeast. T-150
1535 Head back to dock. No more	Meet up w/ D. Dickinson (SEE)
coning today.	Load Supplies.
1540 Back at maine dock.	0700 D. Browning (SEE) T. Thompson (STE)
1605 transfer core to support beat.	and Joff Skun (Etg) arrives;
1645 Depart marine. End of	aren sets up
on-water day No near-	0745 4/5 to laste meeting + conto seem.
miss or weidents	0815 Depart marine for new check
	and head to 549. Note:
	Abandoned utility lines nearby.
	Will proceed w/ caution.
570/	0830 At 10cation 549
	0051 Atempt #1 at 5A9
	hit refusal at 5.25 A.
11/2	4.1 A. recovered, 78-1%
/ no.	core rejected 5/c not to
/ / / / Mai ·	target depth.
	[0931 Attempt #2 at 5249
	- crove in slight resistance to
X	full penetration ~13.5 ft.
	1212 ft recovery, 90,490
	Penetrated to 5 - 25 A MUW.
	1015 Transfer core to support boet.
	1030 Beff stern departs for processing
	Rete in the Rain

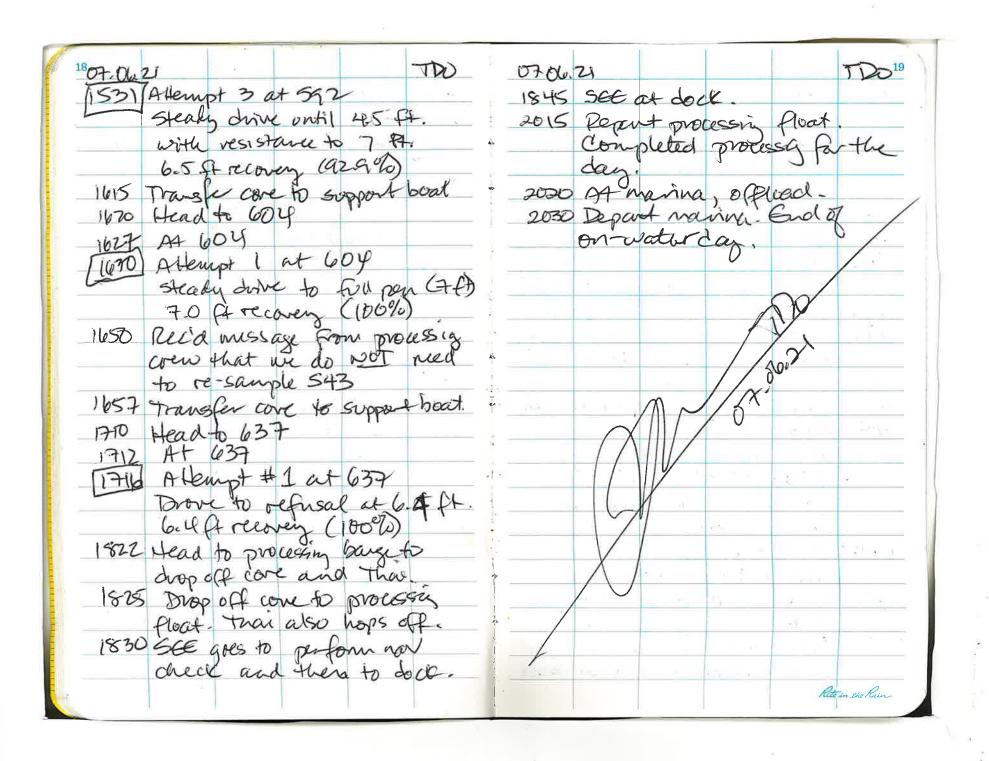
1807.01.21	DO 07-01.21 7DO1
barge, and Kristen Kenns	during retrievap @ ~ 5 Pt.
amves	10-9 Ft recovery, 90.8%
1040 Head spnorth to 509.	Penetrated > -25 Amicu.
1052 At 10 cation 509	1350 Head to location 517
1105 Attempt #1 at 509	1357 At Location 517
Steady drive for N 7 ft, then	Alkanot#1 at location 517
little increases to penetration	
depth (125 P)	9.6 ft recovered, 83.576
9 a of recovered, 79.2%	Penetrated to > 25ft MUW)
Penetrated > -25 Ft Mew	1416 Transfer coves to Support but.
1140 Head to 513	And myself to support boat.
1143 At 10 cation 513	SEE com waps up and
17147 Allempt #1 at 513	heads back to marina after
Easy advance to penetration	
depth (12.2.Pt)	1500 on processing boat to help
10.4 A recovered, 85.2%	out crew.
Pendrated > -25.ft Mun	1515 SEE oran docks at marina.
1236 Transfer cores to support book	1715 Depart processing barge to
Kinstein Kerns departs for proce	court court
bare.	1930 Release awardy of samples
1240 Which break	to All corener Depart.
1255 Head to 514	End of on water day.
1258 At location 514	
1309 Attempt # 1 at 514	07,01,2
Steady drive, a little resistance	Rette in the Rain.

12 07-02.71 Bo	07-02-2) TDO 13
0620 Ame at SPM 60's, overal.	Denetrated to > - 25 f Miles
T.70.	1622 Transfer core to support boat.
don Meet up w/ SEE cow D. Didinson,	1025 Head to 527
T Thompson, D. Browning, Set up.	1029 At 527
0700 H/Sbailfing + cont scoren.	1034 Allempt #1 at 527
0730 Depart marina dock for val.	Hit refusal 4.5 A below
works circle.	18,050 Cove rejected - washed out.
0745 Head to 520.	1058 Attempt #2
0759 PA (Ocation 520.	steady drive to pen depth (11 ft)
081 D Attempt #1	6.0 ft. recovery (54.58)
Rightsul at 9.1 of drive.	Core rejected.
6.4 Ct recovery (70.3%)	[1145 Atlempt #3, moved off location.
core rejected. Clay marking	Steady drive to per bept is (119)
inside.	9.4 (4 recovery (85.5%)
10850 Attempt #2	Penetrated to > -25ft Mui
Drove to pen. depth (10 ft)	1220 Transfer core to support boat.
8.4 At receiving (84.0%)	1225 Lunch break, head to 533
Pentrated to > - 25 ft mew.	1245 At 533
0920 Transfer core to support boot.	1757 Atempt #1 at 533
0930 Head to 521	Steady drive to pen depth (114)
0939 At 10cation 521	9.4 St recovery (85,5%)
0940 Attempt #1 at 521	Penetrated to 50-25 Ft MUN
Steaky chive to ~10ft, then	1325 Transfer core to support boat
guick drive to 12ft.	1330 Head to 531
11.6 ft recovery 96:7%	1335 A+ 531
	Reto in the Rain.

14 OF OZ.	TDO	07.07.21 TD	15
	Atkupt #1 at 531	1716 SEE crew performs nav	
	steady easy advance to pendapter (10A)	check and head back to	
	8-8 H. recovery (88-0%)	SPM.	
	Renetrated to > -25ft mue	Fres Set crew at maina doct;	
1423	Transfer core to support boat.	demobilizes RfV Nancy France	د
1424	Head to 532	1900 Depart parcessing bange-	
1427	At location 532	processing complete.	_
1429	Attempt #1 at 532	1910 bad supplies / egpt/samples	_
	Easy drive to penetration depth (WF)	1930 Depart maising End of	
	8.7 A recovery (870%)	on water field day, Head to	/
	Penetrated to > -25 Pt MUW	storage unit	
1510	Transfer to gove to support boat "		_
1513	Head to location 534		10.02
1517	At location 5334		_
1214	Attempt #1 at 534		
	Steady casy drive but	Ohl (XX)	
	only 7.3 pt recovery (73.0/0)		
Tiesca	Core rejected		_
1609	Easy dive to pen depth (10A)		
	STONE TO PEN SENTE		
	Penetrated to > - 25 (7 MW)		
EZAK	Transfer core to support boat		(*);
4103	Their gres on support sout		
	to telp processing crow.		
	0 000 000 0000 0000 0000 0000 0000 0000 0000	Rets in the Rai	in a

1010 1025 1033	Official supplies to bring to processing base. Lead supplies, prep Meet up of See crow: D. Dicknown & T. Thompson on eft Peter R Set up. H&S briefing a covid screening. Depart marina for now. check. Now check, head to 58 1 Affect & previous times— not logged—but concrete deinis prevented placement of vibracorer) Moved N 17fl Off target., 1 ft slope There's ft to resistance, scrisal at 4ft but then broke twoods then steady do pen depth. (7ft)	1210 Head to SAS 1216 At 543 [1224] Attempt #1 at 543, 1/2 slope. Slow drive to resistance at 62 A additional cove to refusal at 7! Recovery 5.3 Ct (75.7%) 1310 Transfer to processing float. 1313 Head to 592 1325 At 592 1325 At 592 1336 Attempt #1 at 592 NOT Gasy drive to full pen. 6-9 ft pecovered (98.6%) but core extanowed out. (ore rejected for another attempt) 1420 Attempt #2 at 592 Hard drive to 3-ft hithing refusal at ~5 ft 4.1 ft recovery (72.2%) core rejected, cower sand and gravel in nose. 1430 Pec'd vessay from Susae to resample 543 due to poor
1705	75-6% recovery (6.2 ft) Transfer core to processing - boat	on processing barge.

1902 N M



20 0	07-07:21 TVG 21
05:30 Anne at SPM, 60's, overall,	
	1247 Head to 593
light wind. TDO	1249 At 593 1254 Atlempt #1 at 593 abovAcd.
Prep and load supplies.	(Tide too low)
D. Dalinson & Tim	1255 Head to 609
	1360 At 609
prep core barrels.	1304 A Hempt 1 at 609
0945 it/S someting of corro seveen.	Slow steady alleged to full sen
1000 Depart marina for now. cheek.	Slow steady advance to till pen 4.6 ft recovery (65.7%) reject
	1375 Attempt #2
1018 A4 SID	Easy drive to ~ 5.5-6 ft. to
1039 Attempt #1 at SID	5.11 Den (7 a)
Easy drive to pen depth (7FA)	4.2 ft secovery (60.0%) reject.
4.2 A recovery (60%), rejected .	[135] Attempt #3
1108 Altempt #2 at 510	Steady drive to full pen (7 9)
Easy onve to sendant (Aft)	59 A recovery (\$1.34%) accept
5.3 Ct recovery (75.7%) accept.	1400 Transfer core to support boat
1140 Transfer core to support boost.	1440 Had to 615 (ENR)
1147 Head to 584	1445 At 66(S
1200 At 384	1451 Attempt #1 at 615
TIZO LI Alley AL EL At SOT	Steaky drive to A. A refusal
Brick easy drive w/drop off ~25 ft.	3.6 Pt recover (81.8%) accept.
at hist.	Note: took elevation & depth
6.2 pt recovery (85-6%) accept	after core was collected
1238 Transfer core to support boat	1525 trainsferred to support boad.
	Rite in the Rain.

22 25	m -n -d 23
1535 Head to 617 (ENR)	ofotzi resistance to pen depth
· ·	collecto pen depth
1537 At 67	2.75 ft recovered, (59.8%) reject
[1540) Attempt I at (e)7	time overes (" s to repeat
Easy drive to finn pen-depth	[1832] Atempt 2 at 624
at 45ft.	Steady dive to 3.7 then
3.6 st recovery (80.0%) accept.	hard drive to 419 Pt. pen.
1600 Transfer core to support boat.	3,8 of recovery (77.690) accept.
1615 Head to 618 (ENR)	1900 That + core transfer to
1617 At 618 T1620 Attempt 1 at 618	support boat to go to join
	processing team
Steady drive to pen depth	1905 On processing float.
38 ft recovery (826%) allest	to take back to storage Head
1650 Transfer to support bout	to marine
168 Head to 624 (ENR)	1915 At marina. Unload tobes.
11 27 14 [2]	1925 Depart marine to put into
1707 Attempt 1 at 624 Strake ships ships of	Storax.
Steady sluggish drive to	1950 Depart storage, Head back
pen Lepoth 4.6 ft.	to marina.
3.8 A recovery (826 th) accept	1955 Meet up w) Amaia with
Transfer to support boat.	
1725 Head to 626 (ENE)	2000 Depart war. End of
1730 At 626	freld day. The
1733 palempt 1 at 626	
Steady drive to 2,5 ft then	57-0721
	Rite in the Rain

2407.08.21 TW	07-08-21
0845 Ania at STM. Tilo	1240 Transfer our to support book.
105 overast, wind	1300 Head to 535
0900 Meet up with SEE (D. Dickingon)	1310 At 535
and T. Mompson) Set up	1317 Attempt #1 at 535.
egpt, load supplies	Easy drive to full pen (7 ft)
0945 H/S Grefing + COVID screen.	lecover 2,2 ft (31.4%), rejected
0935 Depart manning for now.	1343 Attempt \$2 at 535
caeck.	Easy drive to full per (79)
1008 Head to. 519	Recovery 5.6 ft (84.30/0) accept
1015 94 519	Penetrate down to 24-6 Gracew
[1017] Attempt #1 at 519	1400 Head to Transfe in support
Easy only to hill pen at 7th.	boat.
5,5 A secovery (78.6%) accept.	1410 Head to 635
1050 Head upwer to 640	1430 A4 635
1055 Transfer care en vonte, to	1445 Attempt #1 at 635
support boat. Continue up over.	hit refusal at ~1.25.ft.
1111 At 640	Core rejected, clayin nose
1116 Attempt # 1 at 640	1502 Attempt #2 at 635
Easy drive to ~6.5 Pt., hand	Hand drive to refusal at 4.6th
Crive to 7 pen depth	1535 Recovery 4.4 (4(95.7%) accept.
5,2 0x recovery (74.3%) reject	Transfer to support bout
Chotom of cove winnaved out	1540 Head to 654
1200 Atlempt #2 at 640 00	1545 At 654
Easy crive to full per of 7 ft	71547 Allempt #1 at 654
5.5 A recovery (78.6%) auch.	Easy drive to (Full pen (7)
	Kite in the Rain.

26 m - 150 i	
26 070824 TDO	07-08-21 - JD27
6.5 A recovery (929%) accept	support boot, Head to
1617 Head to 649	1842 At processing float.
1622 At 649	1930 SEE Orew back at dock after
T1626 A Hempt 1 at 649	wav. check.
Easy drive to fill pen (7ft)	2030 Complete core processing.
65 ft recovery (925%) accept	Had back to warma. Ofted
1715 Transfer cove to support boat.	samples and supplies.
1657 Head to 669	2045 Depart marina. End of
1658 AT COLOR	on-water field day.
TIFOR Attempt at 669	
Easy drive to fill pen (7-41)	500
Resistance in Softern 1 A.	X
6.5 A recovery, (92.9%) accept.	
1750 PA 598	
1753 Attempt 1 at 598	06.
Refusal at ~ 1.3 A. Aprap.	/// 5x
Cove rejected.	
Tisas prempt 2 at 598, moved	
"offshore" - off-target ~9 A.	
Resistance top 223 ft then	
easy to full pendepth (7 9)	
63 ft recovery (90.0%) accept.	
1840 Transfer core and their to	Rete in the Rain.
	rule in the lain.

20	M2 M2
070921 TD0	070921 TDD 29
0500 Anve at SPM, 60°s, sumy.	to full pen at 7 ft.
TDO offload supplies for	6.2 A recovery (88-66) accepted
Gravity wew. Prep for	Penetvolito 7 -25 Pt Mlew
samplify:	1210 Transfer core to support boot.
0900 Mut up w/Ste Dale	Giovama depats, Anac
Dick ason & Man Thompson.	Fitzpatnick aurives.
Load care tibes & prep.	1211 Head to 5911
0910 Giovanna Pagnozzi (Georgue)	1216 At 591
anves W/ Anne I typatrice	1224 Atlempt 1 at 591
- Check covid vac card +	_ core to be lost/strick in mind.
	[1253] Atlempt 2 at 591
0930 Health & Safety brist +	Easy drive to 69 ft pen.
	6.7 A recovery (97.190) acut
0955 Head to 553, after now cheek.	1330 Transfer core to support
	9 1 10 10 10 10 10 10 10 10 10 10 10 10 1
10959 At 553 will farget ~9's.	boat. Anne departs.
of target coard.	1348 Head to 607
1028 Attempt #1 at 553	1400 At 607
steady drive to full pen(799)	1409 Attempt #1 at 607
5.9 Pt recovery (84.3 %), accept	Easy drive to full pen (7 4)
Penetrate to > - 26 ft min	6.5 A. recovery (92,9%) accept.
1100 Transfer core to support beat.	Shoul moterial 2.06 ft/62.8 cm
Allow Head to HE 554	Penetrale to > - 18 AMUN
131 324	1453 Head to 593
[1117] Aberupt # 1 at 354	1455 At 593
steady drive , easy & 14 shottle	1505 Attempt 1 at 593
	Rite in the Rain

30 07.09.21 0709021 1858 Now cheek Head back to Hard drive to 6.9 Ct. peartation. 2.0 ft recovery (29.0 %) reject brick (slag in nose. Lock 1920 At dock officed 2000 Depart marine End of 548 Atlempt # 2 at 593 field dans Hard drive 1st 2-A. then easy to 4 then refusal at 6.8Pt. 6.2 A recovery (91,2060) augst 1627 Transfer cove to apport beact 1640 Head to 58557 02 1653 AT 555577 TA 17081 Alempt#1 at 595 577 7 Easy drive to full pen (7 A) 1745 Transfer core to processing coew. 1755 Head to 545 1500 At 545 1814 Allempt #1 # at 545 (a lot of borlders and large rocks in area Alternot abouted. Boulders all over. Unable to find sitable spot Note: probed we around 588 - all concrete and brick piles. Did not attempt today Rete in the Rain

1 32 07·1221 TRO	07.12Z1 TD 33
OBJES AMIVE at SPM, 505, sonny	To 8091 Attempt 1 at 653
Meet up w/D Dickinson (StE)	Easy once at /4+hvotle to
Olovo load up and prep. Helet up ay	full gen depth (7.0 ft)
Tim Thompson (SEE)	7.2 ft recovery (1029%) accept
0620 Houth of safety love Fig + carro screen	0835 Head to 652
0425 Head out of marine to perform	0839 At 652
now cirlet and then head	10844 Atempt 1 at 652
upiver to Area 31.	Easy drive to 6 Ft then resistance
- 0635 Head to 665.	
0040 At 645	to full pen (7 ft)
	59 A reavery (84.3%) augst
10645 Attempt 1 at coes	0900 Cores transferred to prosupport hinit
Hand drive to first penderth toff	0970 Head to 632
7.5 (4 recovery (+07+40) allept.	0925 At 632
1 6.5 FF (92.9%)	0928 Attempt at 632
0725 Transfer core to support book.	Slowadvance to ~ 4ft their
0730 Head to 664	proces up full pen (70ft)
0731 A4 6664	6.2 Ct recovery (88-6to) accept.
10732 Astempt 1 at Colo4	1018 Head to 649
Heady down with vesistance	10:20 At 644
from ~4.5 to 5.5.A, to full	1021 Attempt (at 644
Den derth (7ft)	Hard drive, refusal at 1.7 9.
6.7 A neavery, (95,7%) accept	Rejected.
0500 Transfer core to support boat	1000 Afferred 2 at 644
0805 Head to 653	Havolochisal at 4,7 ft.
2:162	39 St recovered (83.0%) reject
. 0807 At 653	
	400 little sediment Retein the Rain

30fa2221	07.12.71 TDs 35
Will Attempt #3 at 644	1515 Their on board mocessing.
Yu throttle, picks up speed at 29	boat, See goes for new.
then refusal at 6.9 ft.	cheek.
Recovery 5,2 Pt (75,3%) accept.	1680 SEE back at marina
1130 Recon sites 588,585 and	1840 Depart processing bange
545.	1845 At marrier Leck. Of Gload.
1215 Head to 587	1850 Depart mariner Evol of
1222 AT 587	on-water day
1224 Attempt 1 at 587	
Easy Steady once to full pen.	
6-9 Freiday (98 6 W) accept	
1300 Head to 634	
302 AT 634	
(131305 Atempt (at 634	
Easy only to full pen (7)	
6.8 Freedrey (97-186)	
1345 transfer A cares to support	
1415 Head to 557	
1415 Head to 557 1423 At 557	
[1420] Attempt 1 at 557	
Easy dive to full pen (7 p)	
6.5 ft recovery (92,6%)	
Shoaline natural = 4:02.91/122.5em	
1510 varish core to movering boot &	
	Rete in the Rain.

36071321 TW	071321 TDO 37
0545 Amue at Spu, 60's, are not The	50 (treeovery C82-3%) accept
0600 Met up w/ D. Dicknoon (Ste)	0850 Head to 658
o Set up, prep for samplings	0851 A+ 658
DUIS T. Thompson amus Cond care	Total Attempt 1 at 658
chlois	Steady advance to Fill pen (7 ff)
0630 H/S briefing + covid sincen	except resistance briefly at
0635 Depart mariner for now check	274 /4.
end head up over to location	6.8 St recovery (97.1%) accept.
608	ast Transfer cares to support 6 text.
065 PH (108	0931 Head to 657
iolosa Patempt i at GOS	0932 At 657
Have anve for 1st foot then	0938 Allempt 1 at 457
steady to Full pen (7 (4)	steady drive to fill pen (7-f4)
6 le Ct vacovery (912.3%) accept	6.0 frecovery (85.7%) accept.
0735 Head up there to blez	1005 Cove rejected during
5738 PA 662	sectioning because there was
0742 Allempi) aticle2	a large winnowed out section
Steady easy advance to full pen	in bottom 43 of core tobe.
(7.64)	Will re-do.
0810 Transfer cores to support bout	(1020) Attempt 2 at 657
0010 Transfer cores to support bout	Easy advance to full pen (7-A)
0815 Head to 659	1127 Head to 648
0816 At 659	
08t7 Attempt 1 at 659	1129 At 648
Stady advance to fill pen (7 ft)	1132 Attempt 1 at 648
	Rete in the Rain.

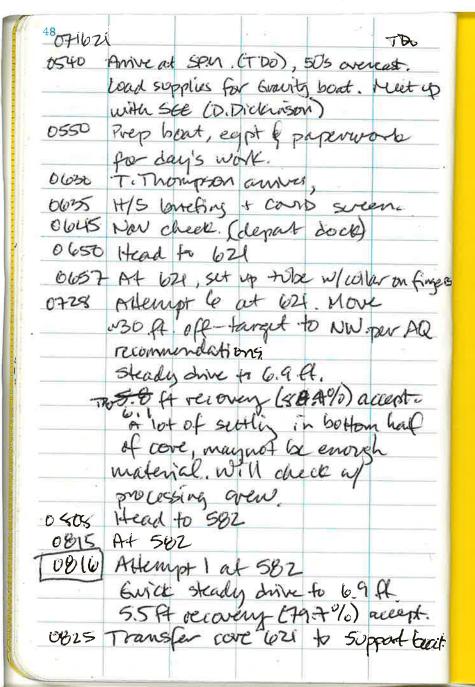
38 OH321 07-13.24 62 ft recovery (88 60) accept 1200 Transfer cores to support boat Processing completed. 1715 Depart marina. End of on-water field day 1209 Head fo 630 1215 At 630 1216 Attempt 1 at 630 Easy drive to fill pea, (7 ft) Recovery 7.7 (110%), accept? 1300 Head to 596 1305, A+ 596 1307 Allempt 1 at 596 Recovery 7,3ft (104,3%) accept. Void of 0.5 ft near core Recovery adjusted to 6.8 ft (9712) 1345 Transfer cores to support Head to 562 355 At 562 1359 Attempt 1 at 562 Easy drive to full pen. 1438 Transfer core and Thai to processing boat. Rete in the Rain.

40 - 11/2 1	
0540 J.D. arrives at Sph, 57°, overcast,	debnis, Slow steady advance to Gil pen (7 (4)
meets up w/ D. Dideinson (See),	delonis, Slow steady advence
preps egpt and paperwork for	to full pen (+ ++)
today'	Recovery 5.2 Pt (743%) reject
19015 T. Thompson (SED anves	0839 Attempt 2 at 660
0620 H/S Forthing + COVID Seveen	Stow steady advance to 6.0 ft then hard drive to refuse at life
0630 Deput manya for nav. dreck.	5,2 St recovered (78,8%) accept
0636 Head to 622	0975 Head to 588 (transferred cores to
0645 At 622, target on slag ple/riprap	0924 Head to 588 (transferred cores to supports)
need to move off location away	09310 Attempt 1 at 588, away from
from wall to get away from	builthead wall & concrete/orp rap.
Obst Attempt 1 at 622	Hard onive to refusal at 3 Oft
Here de disse to Gall Day (74)	Low / no recovery - all large angular
Hard drive to Full pen (7-A)	gravel, 12 ft off-tagt.
10729 Recovery A.Z pt (60%), reject.	1003 Allenpt 2 at 588, 17 ft off-taget
1: Hie farther ort (324 ft away)	Slow advance to 25 ft then
Gasy drive to 2 H then vestitue	quick to ochisal at Git ft.
to v 3 ft, then advances quickly	1040 Leas to 505 townstead core to
to foll pen (7 Pt)	1040 Head to 585, transferred core to support book 1045 At 585 1048 Attempt 1 at 585, away from
5.7 Pt reivery (81.4%) accept	DUS Attempt 1 at 585, away from
0755 Head to 660	bulkhead wall of comerde / rip-rap
5.7 ft revovery (81.4%) accept 5.7 ft revovery (81.4%) accept 5755 Head to 640 0459 At 660 0809 Attempt (at 660 off tarent	Hand drive to refusal at
0809 Attempt 1 at 660, off target because of concrete slabs and	3.3 ft., core rejected.
because of concrete states and	[1118] Attempt 2 at 585, (22 pt. off faget)
	Rete in the Rains

4207 1421 TD	07-14.24 TDD 43
Easy steady advance to ful	Slow sluggish at beginning but
Pen (7.04)	picks up until about at then
59 A recovery (84.3%) aleast	slows to refusal at 6.7 ft.
1145 Transfer cove to support total	5.904 verovery (88.1%) accept.
1200 Head to 684	1420 Transfer core to processing bage
1215 AT 684	1442 Head to 568
1231 Attempt 1 at 684	1445 A4 568
Casy dive to full pen depth	1448 Allempt 1 it 568
5.0 ft recount (71.4%) reject (7A)	Easy drive to full pen (7 Pt)
tide. Will come back formerow.	1518 Transfer core to support boat.
1255 Head to 621	1520 Head to 529
1303 A4 621	1526 At 529
1307 Attempt 1 at 621 689	[1529] Alempt 1 at 529
Easy drive to full pen depth (200)	Gasy drive to full pen (7 PA)
3.7 H recovery (52.9%) reject. The	6.2 ft recovery (88 6 %) accept
Unable to redd because of	1548 Now check
ortgoing tide, Will come back	1610 Transfer core and Thai to
- tomarow.	proussing boat SEE departs
1335 Head to 571	for name
1340 At 571	1612 SEE at warrier.
1342 Astempt 1 at 57	isto Depart processing (completed)
Hit refusel after 2:2ft.	1805 back at meine End of
Wood in cove nose, rejected	on-water field day.
[1400 Attempt Z at 57]	
	- Oti 14:21 Rete in the Rain

44 07:15.21	mici
0540. Amble at SPM. 50's, overlast. To	1015 4th attempt at 621
Prep and plan for today	Refusal early on at All A.
0630 Meet up with. Tim Thompson (SEE)	39 A recovery (95 1%) reject
Otor Dale Diderious curves Prep	not enough penetrature
boat feigh.	1052 5th attempt at 621, off taget
0720 H/S briefing + conto seren.	resistance to ~3.5 ft then
175 Apart marina for new cheek	fast to full pen (7 F)
0740 Head upmen to 684	48 A recovery (68.6%) reject.
0755 At 684	Taked to Siste, will keep core
10810/ Alleupt 2 at 684	from 3-1 attempt (72,9%)
Easy once to G. Hand drike	1200 Transfer care to support boat.
to refuse at 6.8 ft.	1206 Head to 545
0847 Head to 621	1215 At 545
0855 At 621	1228 Attempt at SUS "25 Stack
0908 Allempt 2 at 621	Harget (OK per EPA)
Steady drive to Coll pan (7.8)	Steady advance to full pen 7 4.
4.3 stream (61.4%) reject	1245 Call from America Core 421
Very soft and sorpy above up	does not have enough majerial
Spend become	and we'll need to redo.
10942 Attempt 3 at 1e24	
Steady drive to full pen (7-PA)	1330 Head to 537 given tide.
5.1 Pt. recovery (729%)	1333 PA 537
Very soft above.	1338 Altempt 1 at 5337
	Rete in the Rains

462.50	27 12 1
4671521	07.13.21 TDO 47
Recovery \$5.0 St (76.4%) reject.	1815 Complete processing. Head back
1408 Attempt 2 at 537	to mariha.
Steady advance then gir ce	1820 Atmarine. D'Gload.
to fril pen. (20 A)	1830 Depart maine. End of on water
Penetratedoron to -24.68 A new	dag.
1440 Head to 538	
1442 At 538	
1448 Allempt at 538 - coverily	
feil over. Reset Transfer & Bout	
1501 Attempt 1 at 538	
3.8 ft recovery (54,3%) reject.	
wood blockage in cove nose.	1.1/2
1532 Atlempt 2 at 538	NIVX.
Steady advance to resistance	
at 6.7 A.	
39 A recover. (58.2%) reject.	
1/02/ Attempt 3 at 536, Fingers W/collar	
Steady advance to hard resistance	
75 & recovery (107196) accepted.	
OF larget N Ro Ft., >-25 AMIN	
1910 Nonser to processing barge within SEE goes to perform now check and	
100000000000000000000000000000000000000	Rite in the Rain





USE WET OR DRY

ALL PENCILS

- · RITE IN THE RAIN PENS
- WAX MARKERS
- CRAYONS
- OIL PASTELS / PAINT



- PERMANENT MARKERS
- STANDARD BALLPOINTS

WON'T WORK

water-based inks bead off sheet

- **GEL PENS** MOST HIGHLIGHTERS
- FOUNTAIN PENS
- WATER COLORS

ACRYLIC PAINT



Yes, Rite in the Rain is a wood-based & recyclable paper, but unlike plain paper... it won't turn to mush when exposed to:



heavy





laundry mud &



ago in the forests of the Great Pacific Northwest. Entrepreneur Jerry Darling recognized the logging industry's need for a durable material that could be written on and survive in poor weather conditions. Jerry developed a special coating that created a unique moisture shield on the hand-dipped sheets of paper that he and his wife, Mary, processed at their home.

From these humble beginnings our first all-weather paper was born. Over the many years we've perfected and patented our environmentally responsible coating process. Still located in Tacoma, our continued mission is to provide innovative products for professionals and enthusiasts who brave the outdoors

EQUIPPING MULTIPLE INDUSTRIES WORLD-WIDE







COVERS, KITS





INSTRUMENTS



fy mp RiteintheRain.com 2614 PACIFIC HWY EAST. TACOMA, WA 98424 USA

©JL DARLING LLC







2071621	OHOZI TDO3
(Cont'd from Book 1)	debris on and avoured forget,
0845 Processing even called and cove	identified during probing of
	owen
0855 Transfer cove 582 to support that	The to Good steady dive to 6,8 ft.
0905 Call from Ross Pickering asking	5.4 A recovery (79.446) accept.
about availability for SEE	1200 Transfer to support boat
to take some vertual cores	1215 Head to 635 to redo
in Cornell	(3rd attempt) b/c of insufficient
0940 Back at 621 0941 Allempt 7 at 621	recovery length. From before.
naul Algust 7 at 1021	1220 At 635
Easy drive to near refusal 6.5A	1232 Allempt 3 at 635
3.6 pt recovery (55.406) reject.	T256 moved off target b/c of wood
1021 Atempt 8 at 621	detais, (11 FA)
tasy once to refusal at 49ft.	Casydore to refusal at 7.0 Pt.
34 of recovery (79.6%) reject	5.A ft recovered (AT.196) accept
low occases material	1343 Transfer core to support boot.
ibso Talked to Surice. Will more	
3	1400 17500 1 J
1045 Tim & Dale on a call with	1400 Head to S97 1401 At S97 [1407] Allemont 1 at S97
Tom to tack about vertical	Con cled do 6 Cul - Cott
core samples on banks	Casy steady drive to full pen (7-9)
1115 Head to 579	5.5 ft recovery (78.8%) accept
	1438 Transferiore to support boat
1120 At 579 Tax 579 .	1443 Head to 539
	1459 At 539
~ b/c of vip sap/conventue	1507 Attempt 1 at 539 Rete in the Rain.
	Nille in the Nain.

4071621	07.14.21
Easy & steady drive to 7.09.	0800 On site at SPM. UD'S, SUNNY.
4.5 A recovery (64.3%) refeet.	Prep supplies/paperwork-Plan
1543 Attempt 2 at 539	for day.
Fash steady days to 709.	1980 Meet up w/D. Di conson (SEE).
Easy & steady drive to 70 ft. 5,3 ft reavery (75.7%) accept.	Brad Helland & Dave Browning.
1615 transfer cove & they to suprot	Prep boat & eapt.
1615 transfer cove of their to support	0845 H/S brust + covid screening.
1628 On processing boat	0900 Depart marine for our dece
1630 SEE deans front, now check.	0907 Now check Head up over to love
por see vessel back at dock.	0430 At 684 (to resample)
1715 Complete processing. Depart	The Goral Attempt 3 at 684 (probed around
mure Coc manhe.	at 3 other spots but kept
1900 As marine. Offload supplies and samples	racijal.
and samples	- A
170 End of on-water tield day.	Easy drive to full pen (7 ft)
1815 Deput manha.	35 ft recount (50%) reject.
	1110 Head to 665
	1116 At las (to resample)
Morio 3	[12] Attempt 2 at 665 70
	Easy dive to 7 ft.
	6.7 A recovery (95.7%) accept.
	1222 Head to bloke
	inco At lobe Cat toe of rip vap)
	1230 Attempt at Idele
	Skady advance to first pen (7-17)

607-19.21 TDO	07 19.21 TD 7
(Arch monitor we)	back at marine after now.
1310 Head to 663	dreds.
1312 At ups, toe of riprap	2030 Complete core processing on
1318 Atempt 1 at 663	barge Hard back to manne.
Steady drive to full pen (7-ft)	2035 At maina Officed samples
Wresistance in upper 3.5 pt.	and supplies
3.1 ft recovery (443%) reject.	2045 End of ou-water day
1320 Transfer cores 665 & ldele to support	2100 Depart marina. End of
boat	field sampling day
1401 Attempt 2 at 663, ~ 119 taged	0. 1 3 0
to avoid in rap.	
steady drive to ful pen (7 fg)	TO THE STATE OF TH
3.2 ft recovery (45.7%) reject.	
1444) Attempt 3 at 663 - 11 St. off taget	(2)
For day to Call The Call	
6.1 A recovery (87-1%) accept-	
15 25 Head to 655	
1530 At 655	
1540 Allempt 1 at 655 MOFFOFF byet	
Gasy drive to full pen (7 94)	
5.9 ft recovery (843%) accept.	V
1620 Transfer cores to support boat, if	
Than to help process	
1630 On processing bout	0. 0
	Kite in the Kain

80720.21 TDO	07.70.21 TDQ 9
0530 Meet up w/ Evanily crew (E. Sloven & R. McElrece), 50's, averaged	0740 Transferred 5 coves to support bout 0747 At 508
0535 HES brief + COVID Screen. Prep	0753 AHEMPT 1 at 508
0545 Depart menna. Head donominer	Free duce to 3.5 ft. 3.2 ft occoreny (90.4%) accept.
0600 At 500	6804 At 515
[Obja Attempt at 500	0808 Attempt 1 at 515
Free drive to 5.0 ft.	Free drive to 35.ft.
4.8 A receiving (84%) accept.	3.3 ft recovery (94:3%) accept-
0679 AF505	0819 At 522
10636 Atempt 1 at 505	10824 Allempt 1 at 522
Free drive to 3.5 ft.	Free drive to 3.5 ft.
3.0. Fi recovery (85.7%) accept.	3.0 ft recovery (85.7%) accept
0050 At 506	0831 At 523
2065if Attempt 1 at 50k	0837 Attempt 1 at 523
Free dive to 3.0.A.	Free drive to 3.5 ft.
2.6 ft recovery (Sta 7%) accept.	3.1 ft recovery (80.6%) accept.
0701 At 501	0850 Transferred 4 coves to support bout
[0715] Alternot 1 at 501	0900 At 516
Free drive to 3.5 ft.	[0904] Attempt at 516
3.4A recovery (97.1%) accept	Free drive to 3.5 ft.
0727 At 50Z	3.0 ft recovery (85.7%) accept.
0732 Aldempt 1 at 502	0919 A+536
Free drive to 40.ft.	[0923 Attempt at 536
3.5 ft. recovery (87.5%) accept	Free drive to 3.5 ft.
	Rite in the Rain.

10/9-20 21	TA
10 Gq-70.21	FT-180) acres
0940 Transfer 2 cores	to moussin host
1005 At 548	to broasing and
[1009] Attempt 1 at 50	48
Have drive to re	just at 4.0.ft.
Have drive to rel	(85.0%), accept
1033 At 563	
1038 Allempt 1 at 56	
Free drive to 3.	5.4
Troys Attempt 2 at 56	
Free drive to 3.5	(a) 4 %) and
3,2 A reevery	(17 10) accept,
1115 At 628	material (13.1 cm)
[1118] Attempt 1 at 628	3 (28.7 cm) shouling) material
Easy drive to 4	4.5. A. maising
	g (95.6 %) accept.)
1145 Transfer 3 con	es to processing boat
1200 At 511	37 397
[1202 Altempt) at 51	CAL
Free drive to 3	
2.6 ft recovery	
17.15 Transfer to prac	
1220 Head back to w	unvi.

07.20,		11
1225	Meet up w/ SEE cree	U, H&S briefing
	+covo sinen, bar	check
	completed earlier)	D. Dickinson B Hilbert
1720	Depart marina. He	and isoniver
	to all the second secon	ac. 0 p 00
	to Area 31.	
1133	At 664 (re-sample)	
11241	Attempt 2 at 1664	
	Easy steady drive to	Full pen(6,999)
	6.9 ft. receivery LICO	.0%) accept.
1320	Transfer cove to sup	
	Head to 670	
	A+ 670	
	Attempt 1 at 670	
1740	The second secon	G G 1 20 / 120A)
	Slow steady advance	
1400	5.4 ft. recovery G	1.170) accept.
1420	Transfer we to s	spart- sacr
	Head to 650 (resau	uple for geotech)
1433	At 650	
1439	A Hempt 4 at 650	
	steady advance to	
	5.6 A recovery (80	0%) accept.
1515	Transfer core to :	support boot
1516	Talked to Garrett T	mm (Ancha)
,	I a de la	
	and decided we wi	at is a contract
	vertical extent cor	e act with for
		Kite in the Rain.

12 07-20-21	TDo		13
them			
1525 Head to last			
1540 At 694			
1545 Attempt 1 at 69	4		
Hard drive, easing	to easy to		
full pen (7.94)			
17 A recovery 6	71% reject		
\$1415 3 Astempt 2 at 69	4		
Easy steady advience			
5,0 A recovery to	71.4%) reject.		
1639 Attempt 3 At 69	14		
Gasas a disense to G	ull pen-		
5.7A recovery	(B1,4%) accept.		
1722 Transfer core to si	mood boat.		
1723 That hops on to	an to movussive		
barge. Head down			
processing float.	, , , , , , , , , , , , , , , , , , ,		
1735 At processing fix	tive.		
1755 SEE vessel does in	in check and		
returns to SP.M			
1940 Deput processing			
maini	3		
1941 At waning. 00	Gload Susplies		
and samples.	(1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,		
2000 Depart marine En	do C folk do		H W
CALLA	072021		Rete in the Rain.

2 S. Replinger	6.30 2021	S. Replinger 7.6.2021 3
2 S. Replinger and D. Willis Pricesing barge to call Sample at \$5559 (South Weather: Sunny, 70s. 1415 - Locate sample on rip rap location slightly to patch Sediment. 1420 - Calect sample at \$5559. gravel and brick fragm Attempted to remove gr Gilling jars. 1500 - Rehm to processing barge \$5559; removing as mu is possible. All other daily achinies pecu- processing barge logbook Gilling barge logbook Signification	ect 0-10 cm Park Marina). bank. Shift of accessible Lots of angular ents throughout. avel when and process en gravel/rock crosed on	S. Replinger O940 - Arrive at SPM to prep for sampling. Load supplies anto boat 1000 - Conduct HLS Meeting. Grow S. Replinger (DW) Ed Slown Ryan McEliece (Granty Christithes (Vour boat) 1015 Depart SIPM to begin sampling. Weather: overast for surry, low 80s) 1030 Arrive at Aria 28 Berges have not been relocated. Cortact Kainy and mac an fe Aria 18 to sample. 1040 Collect core at \$15580. Accepted. (Aria 18) 1100 Collect core at 17578. Accepted. (Aria 18) 1110 Arrive at processing being to drop off cores and processing being. 1130 Repart processing being. 1145 Collect core 2t 17562 (Aria 2) Accepted (82% recovery).
		1225 Collect core at 17507. (Arch 1) Accepted (97% recovers). 1245 Dropped core off at processing harge. Retenuse Rain.

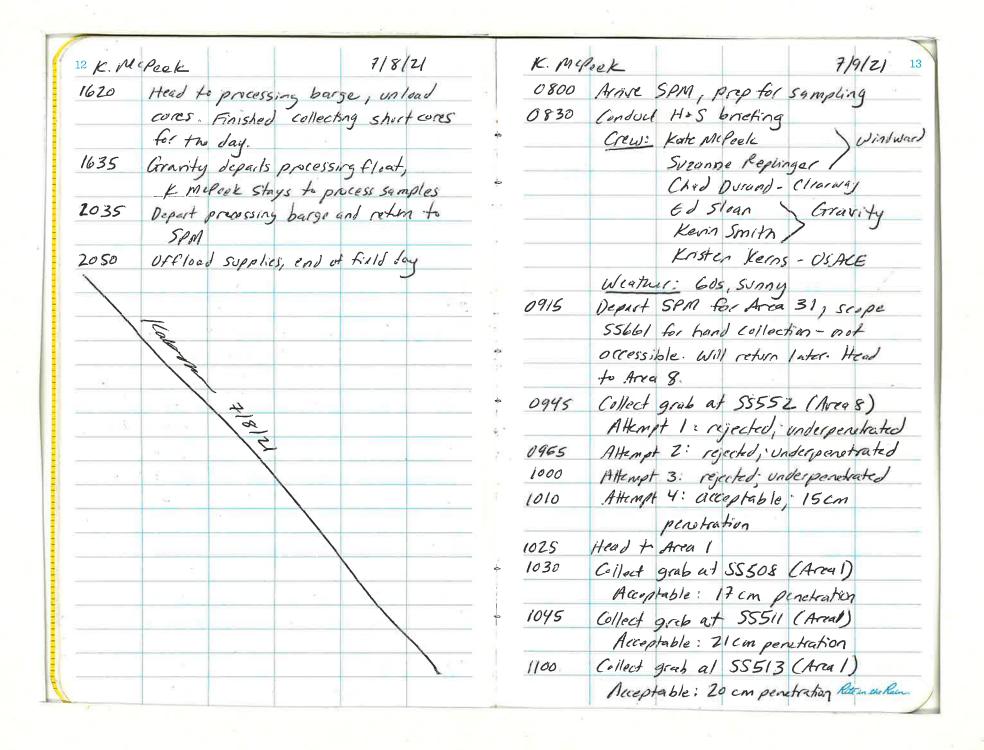
4 S. Rephrejer 7.6.2021	5. Replinger 7.6.2021
1255 Talked of Lathy Geathersen regarding processing of vert \$1581. Because of charge	1500 3rd Attempt at 17697. Accepted. (87% recovery).
in muteral at 230cm, decided to blu	1525 Hand officers to toxi boot.
Secondary archives (AI + AZ) within 0-60cm	perrequest from processing burge
PAL interval.	make 3rd attempt at 17600 to attempt
Prepped additional care types for sample	better recovery (measured tob much
coilection.	less material on barge)
1330 Head to Area 13 to continue sampling.	1530 Collect core at 17600 (30 attempt).
1345 Collect core at 17600 (Area 18).	Rejected.
Attemp 1 rejected. (insufficent recovery & penetration).	1540 Drop core at processing burge a prep additional core tubes.
1355 Collect core at 17600 - 2nd attempt.	1545 Chat W Susie McGraddy + Kathy
Accepted (60% recovery).	Godthodsen regarding settling of material
1410 Collect core at 17601 (Area 18).	and confirm that settling post-collection
Accepted (83% recovery).	is acceptable - soft interheal material is
Transfered cores to precessing burge	expected to be compacted prior to
(Via taxi boat).	processing.
1420 Head upriver to cheek deavance for	1640 Collect core at 17638 (Area 28). Now that
Area 37. (for Friday sampling)	barges have been relocated.
1430 Measure bridge clearance	Accepted (85% recovery)
fide = +8.28 f+	1650 Collect core at 17639. (Area 28).
Access Area 37 when hole is = 7.5 ft.	Accepted (86% recars).
1490 Collect core at 17697. (Area 36)	1700 Send cars back to processing being.
Rejectud.	1715 Collect core at 17602 (Area 48).
450 2nd attempt at 17697.	Accepted (92% recovery). Rete in the Rain.
75% recovery.	Title in the Nain

6 Si Replinger	7.6.2021	S. Repinger	7.8.2021
1725 Collect cor at 17603 (A		0900 Arme at SPM. Are	
1735 Head to processing barge		0915 Conduct H&S brie. Crow: S. Pepinger	iww
collecting short cores for		K. McReek)]
1750 Transfer lost cares to proc	essing barge.	Ed Slown	() ()
1755 Ed Sloan + Ryan McElier	ce deport.	Ryan McZ	
Suzanne to processing be process samples.	erge to help.	Weather ourcest	
2025 Depart processing barge	and rehm	0935 Depart SAM and he continue sampling	
to SPM dock. Offlow Su		1005 Collect core at SC58	
End of field day.	,	Accepted. (91% re	
		1030 Collect core at 5058	
		Accepted (83%)	
	1.6202	1105 Collect core at SC5 Accepted (98% r	
المن المناس	1.60	1135 Collect core at 50.58	
Jevet O		Accepted. (99% of	
5.		1195 Head to processing additional West	
	2:	1300 Collect coreat SC50	19 (Arra 18).
	from 697	Accepted (91010 rec	
rejecte	ed by processing	1345 Collect core at 1764	
	ble of extremely	Accepted. (95% reco	
nigh	campachan.	HOS Head to Arra 23 to ENPLAC Plot.	atumpt core in
			Rete in the Rain.

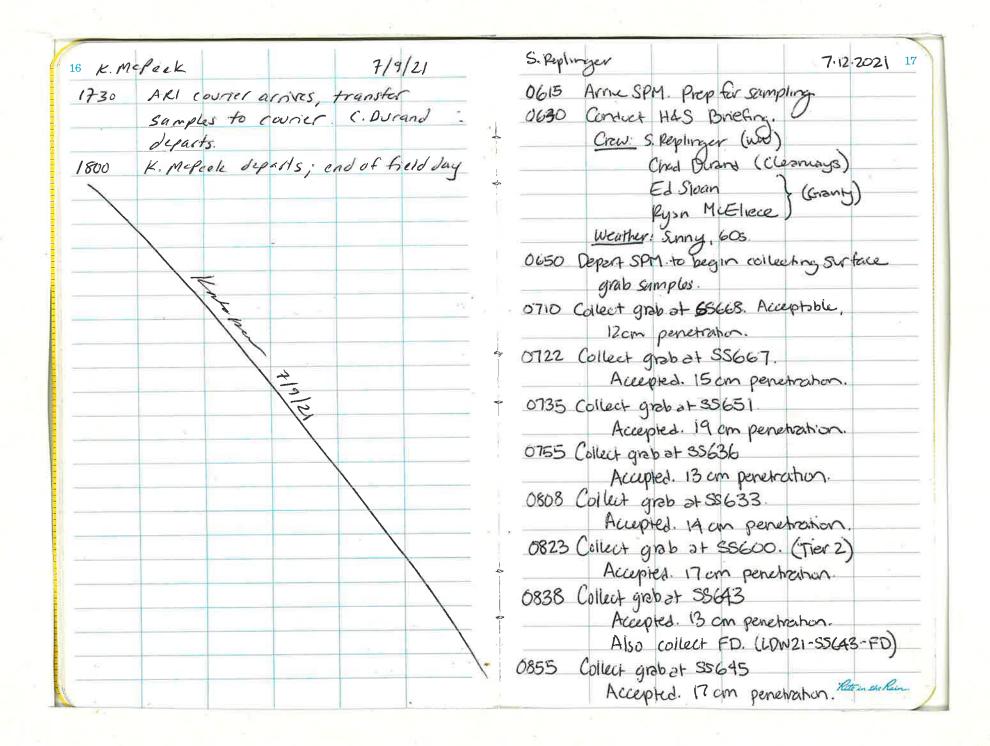
8 S. Replinger	7.7 2021	S. Repu	nger / K. M	reek	21		7.7.21 9
1430 Collect core at ITE	526 (Arran 23).	1745	processing .	berge; 1	E. Slean	and R.	MCELECE
Rejected. No		(cont.)	de pui				_
1445 2nd attempt at 1		1845	S. Repling	el and I	C. MCP	ork des	mrt _
Rejected (67			procession	burge			
1505 3rd attempt at 17		1847	Off-wat	es, and	of fie	ld day	
Rejected (26	,				-		
	at ENPTAC plots best						
Sampled by s							
1515 Heed to Amer 2).						
1550 Collect sample at			13		0.0		
	icient penetration. 4		100	v 3			
	ry (5906)		1 2		2		
1610 Collect Care at	ITGII (attempt 2)			22	12 L	7.7	
	13% recovery)			12			
1635 Head + Area 2		7			-	7/2 3	- P - 1
1640 Collect core at	17606						
Rejected Con	er-penetrated)	1					
2nd attempt a		1		+			
Accepted (9	S/ recovery)					\ · · · · ·	
1705 Head to Area		-					X
	IT605 KM 1T605	1		4 2 1	Ç		-0"
Accepted (£		
All	for processing borge		7			^	1 3 3 3 5
to deliver con	1			0			
1740 Arnoc processing	float	2		2		0.	
1745 K. MiPerkand 3	Repunger stay on	2			0.5	Kite	in the Kain.

10 K. M	1,77	
0845	Arrive South Park Muring, greep for	<u> </u>
	Sumpling	
0915	Conduct Has breting	
	Crew: K. Melsek (Window 13)	
	E. Slean (Gravity)	
	R. McCliece (Granty)	
	Weather: overrast, 60	
0925	Deput SPM and head + area 18 +	
	continue sampling	
0940	Collect core at SCS94 (Area 18))
	Accepted (93% recorny)	
0955	Collect core at SCS95 (Arra 18)	
	Accepted (95% recovery)	
10/0	Head to Area 20	
1015	Collect core at SC612 CArros 2	ø)
	Accepted (931. nevery)	
1030	Collect core at 50610 (Area Z	1
	Accepted (831. recovery)	/-
1050	Head to Area 23	
1055	Collect core at SC623 (Area 23)	.25
	Accepted (76%, recovery)	
1128	Head to Area 22	
1135	Collect core at SCG14 (Area 22)	
	Accepted (841. Many)	
1150	Head to Area 23	
	-Collect core at SC620 (Arca 23)	vn

K. Mcf	eek			7/8	8/2/ 11
1157	SC670	blocked	by bar		
	return	later.	Head +	· Arra :	31
1705	Collect	core a	1 11651	1 (Area	
	CACC	pted - 8	6% Reco	e.y)	
1225	Collect	core a	1 11650	6	
	Accep	kd-(97	1. Moven	D	
1315	Head to	SPM,	troubles)	host en	gine issue
1345	Deport	SPM +	or Area	27	
1405	Collect o	rere at 1	T636 C	Area 27	
			77% 100		
1420	Head to	Arra Z	3, canno	f access	11627
5	will n	etm late	r. Head	to Area 3	3/.
1435	Collect	core at	17668	(Area :	31)
			3% rece		
1450	Head t	· Area	30, IT	41 block	od,
	head	to Arra	23	Eby	boat
1505	Collect	ricre at i	1627	(Area Z	3)
	Accep	sted (9	5/ reco	rry)	
1515	Head to	Arra 3	0	7	- E
1520			11641		30)
			rooj. Ma		
1550	Head to	Arra Z3	, 11625	not ac	ressible
-	by bo	at due	to vege	tation a	nd riprop
		to Arra			01
1610	Collecte	ore a	A 1167	9 (Area	33)
A.	Accep	oted CI	00% recov	ey) Ret	in the Rain.



14 K. M	Piek 7/9/21.	K. Mef	Park 7/1/21 15
1110	Collect grab at SSSIY (Area 1)	1405	Head to Area 31. Scoped
	Accepted: 17 can penetration		55661; will return when water
1120	Head to Area 7		is deeper to avoid geocore
1130	Collect grab at SS542 (Area 7)	* 8	tracks
	rejected; under-penekated. Wil -	1420	Head to Area 7
	return later when water is higher	1435	Collect grab at SS542 (Area 7)
1135	Head to Area 18		Attempt 2 (Attemp 1 (2) 1130):
1150	Collect grab at SSGOZ, hand collected		under-penetrated; rejected
	accoptable : 10 cm (Arra 18)	1440	Altempt 3: rejected; under-
1200	Coilect grab at 55663, hand collected		penetrated and arinnamed
	acceptable 10 cm (Area 18)	1445	Attempt 4: accepted : 12 cm penetration
1220	Head to SPM		Collect grab at SS54196 (Army 7)
1230	Arrive SPM, S. Replinger and K Kerns	1515	Accepted: 16 cm penetration Attempt 2 Head to Area 31 Accepted: 16 cm penetration Attempt 201510
1 1	depart -	1520	Head to Area 31 constations
1255	Depart SPM for Arra 18	1535	Collect egg at SSGGI (Area 31)
1300	Collect grab at \$5500 (Arra 18)		collected 9' North of target due to
	Attempt 1: rejected; winnived	_	distarted sidiment from geo sampling
1310	Attempt 2: acceptable: 16 cm		Accepted: It can penetration
	penetration	1555	Head to Arra 27
1330	Collect grab at SSS80 (Arra 18)	1600	Collect grab at 55631
NB =	Acceptable: 19 cm pentration		Attempt 1: rejected : debois in jaws
1345	Collect grab at SS590 (Area 18)	1605	Attempt 2: accepted: 17cm peretration
	Attempt 1: rejected; under-penetrated -	1620	Head to SPM
	(10.5 cm)	1635	Arrive SIM, K. Merpeek and C. Durand
1355	Attempt 2: acceptable: 19 cm		Unlead samples and start paperwork +
	penetration		Sample QC ; Uff-wester RetenthoRain



18 S. Replinger	7-12-2021	5. Replinger	7.12 2021 19
0925 Collect grab at 55681 (Ther	2)	1122 Third attempt of 5	55634.
Rejected. I can penetratur	N	Accepted. 15 cm	
more away from shore my	rap slope.	1135 Collect grab at SS6	23.
0928 Second attempt 2+ SSG81.		Accepted. 17 cm	penetrahan.
Rejected 6cm penetration.	₩,	1140 James Brown (av	
0930 Third attempt at SS681.			iduct HRS bricking
Accepted. Hom penetrat	φ·	1150 Collect grab 2+ SS62	20.
0945 Collect grab at SS686. (Tie		Accepted. 20 cm	penetrahan.
Accepted. 19cm pena	tratur - 1	1202 Collect grab at SS59	
1005 Collect grab at \$\$694		Accepted. 16 cm	
Hand-coilected on brach			DW21-SS599-FD).
1025 Collect grab 2+ 55656.		220 S. Replinger, C. Durans	그는 사람이 되었다. 그 사람들이 되었다.
Accepted 18 cm penetro	ahon.	disembark boat at	2/
1035 Collect grab at SSG47.			ent at 616 and 619.
Accepted 15 cm penebrat	100.	240 Collect 17616 using 1	hand duger.
1053 Collect grab at SSGA1.		Both A interval	(0-30cm) and
Acceloted. 13 cm penetral		B intens 1 (30	
1105 Collect glob at SS642.		320 Collect SS616 (hand	
Over-pene trated - reject	ed	10 cm penetrato	n.
1108 Second attempt at 53642		345 Collect 17619 using	hand augur
Accepted 16 cm peneira	ho	Location Shifted U	to N affer original
1115 Collect grab at SS634.			be accessed. Also
Rejected - over-penetra			o S. by coudnot
1118 Second attempt of SSG34.		penalmate ofc	
Rejected. 5cm penetration	<i>y</i> –	59 cm penetruhan	. COLLECT 17619A
	×	(0.450m), 11619	18 (95-49Eps) moleur

1415 Collect S3619 (hand-collected). 0600 Arnix SPM. Prep for sump Acceptable. 10 cm pen. 0620 Conduct H+s receiving 1430 Leave brach and re-board boat. aC samples & finish processing. 1530 Arnive at processing barge to note process vertical cores. 1650 Depart processing barge to met conner. 1730 Depart SPM. End of field day. 1730 Depart SPM. End of field day. 1730 Attempt 1: rejected, undergoing of to Attempt 2: rejected, undergoing of to Attempt 3: rejected, undergoing of to Attempt 3: rejected, undergoing of the Attempt 3: rejected, undergoing of the Attempt 4: rejected at 1:	7 12 21 21
Acceptable. 10 cm pen. 0620 Conduct H+s Meeting 1430 Leave beach and re-board boot. ac samples & finish processing. 1530 Arrive at processing barge to help process verheal cores. 1650 Depart processing barge to met courser. 1730 Depart SPM. End of field day. 1730 Depart SPM. End of field day. 1730 Outpart SPM. End of field day. 1730 Attempt 1: rejected, under position of to Attempt 2: rejected, under position of the Attempt 3: rejected, under position of the Attempt 4: rejected position of the Attempt 4:	7.13.21 21
1430 Leave beach and re-board boat. ac symptos & finish processing. 1530 Arrive at processing barge to hoto process vertical cores. 1650 Depart processing barge to met conver. 1730 Depart SPM. End of field day. 1730 Depart SPM. End of fiel	lag.
1530 Arrive at processing barge to holp process vertical cores. 1650 Depart processing barge to meet conver. 1730 Depart SiPM. End of field day. 1730 Depart SiPM. End of field day. 1730 Depart SiPM. End of field day. 1730 Ocilect grab at 55688 (An Attempt 1: rejected, under processing of 10 Attempt 2: rejected, under processing of 10 Attempt 3: rejected, under processing of 10 Attempt 4: rejected attempt	
1530 Arrive at processing barge to help process verheal cores. 1650 Depart processing barge to met courser. 1730 Depart SPM. End of field day. 0640 Depart SPM to begin collect grabs 0700 Collect grab at 55688 (An Attempt 1: rejected, under processing of the processing of th	
1530 Arrive at processing barge to holp process verheal cores. 1650 Depart processing barge to met conver. 1730 Depart SPM. End of field days 0640 Depart SPM to begin collect grabs 0700 Collect grab at 55688 (An Attempt 1: rejected, under- 0710 Attempt 3: rejected, under- 0715 Attempt 4: rejected, under-	nky)
Process verheal cotes. 1650 Depart processing borge to met conver. 1730 Depart SPM. End of field day. 1730 Depart SPM. End of field day. 0700 Collect grab at 55688 (And Attempt 1: rejected, under processing of the Attempt 2: rejected, under processing of the Attempt 3: rejected, under processing of the Attempt 4: rejected of the Attempt 4	Granty
1730 Depart processing barge to meet courier. 1730 Depart SPM. End of field day. 0700 Collect grab at 55688 (An Attempt 1: rejected, under processing of the second of	,
1730 Depart SPM. End of field day grabs Oto Collect grab at 55688 (And Attempt 1: rejected, under procession of 10 Attempt 3: rejected, under procession of 10 Attempt 3: rejected, under procession of 15 Attempt 4: rejected, under procession	- age6
1730 Depart SIPM. End of field day 0700 Collect grab at 55688 (An Attempt 1: rejected, under p 0705 Attempt 2: rejected, rock in 0710 Attempt 3: rejected, under- 0715 Attempt 4: rejected, under-	The same of the sa
0700 Collect gsab at 55688 (And Attempt 1: rejected, under proceed), rocke in 0705 Attempt 2: rejected, rocke in 0710 Attempt 3: rejected, under process of the original of th	
Attempt 1: rejected, under p 6705 Attempt 2: rejected, rock in 0710 Attempt 3: rejected, under p " 0715 Attempt 4: rejected, under	24 35)
0705 Attempt 2: rejected, rock in 0710 Attempt 3: rejected, under- 0715 Attempt 4: rejected, under	
0710 Attempt 3: rejected, under-	The state of the s
* 07/5 Attempt 4: rejected, under	X
1 1AZ (\$1)	
No sample collected at SS688	i i
0725 Collect grab at 55682 CA	
Attempt 1: rejected, rock in	
0730 Attempt 2: rejected, vock in	TT
0735 Attempt 3: rejected, washed	
0740 Athmpt 4: acceptable, 13	
Additional volume needed f	_
0745 Attempt 5: accoptable, 13.	, 3
" 0800 Attempt 6: acceptable, 12	3
0810 Attempt 7: acceptable, 1	Z-MA
0855: Collect are Let SSGRS CAREY	34)
Attempt 1: rejected, rock in jaws	Rete in the Rain.

22 K.MC	Peek		7/13/21	K. MY	reek	7/13/2/2
0900	55685 AHema	of Z: rejected,	rock	1130	SS613 attempt 14: accept	ted -
757	in Jaws		20		collected remaining by	0.22
0905		repted, 13 cin pe	en.		just off bow of boat	
	95 17	come needed t	W 1	1200	Head to Area 7	*1
0910		accepted, 12 cm	1 3	1205	Collect grab at 55544 (trea 7)
0915		accepted, 16 cm	90		Attempt jected, no recovery	
0955		ing barge to ,	1	1210	Attempt 2: accepted, 21	cripes.
	Supplies	,	15	1230	Head to SPM for Wach	
1025	Head + Area	21		1250	Head to Area 34	- F - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
1035	Collect grab ut	55613 (ARR 21)	1315	Collect grabat SS680 (A	ma 34)
		jected, no near			Accepted, 19 cm pen.	
1040		repted, 11 cm pe		1335	Head to Arra 37	1
	Additional Va	lume needed for	toxicity	1350	Collect grab at 55700 CANG	37)
1045	De 1956 - 55 1555	jected, no reas			accepted, 11 cm pen.	,
1047		jected, rock in)		1415	Collect grab at 55705 CAN	eq 37)
1050	- CC 12 12 12 12 12 12 12 12 12 12 12 12 12	cepted, 11 cm	C2./		Accepted, 21 cm pen.	
1055		jected, under pe		1445	Collect grab at SS704 (A	rea 37)
		9 cm)			Attempt to rejected, no new	
1100	Attempt 7: 1	ejected, ni recovi	ry	144.7	Attempt 2: rejected, no nea	~
1102		jected, rock in		1455	Attempt 3 accepted, 17 cm	
1105		jected underper		1520	Head to Area 32 to scape a	2
		cm)			of surface grab and core	/ / /
1110	Attempt 10: 0	accepted, il con	n pen. "	1540	All locations for grabs and sh	
1115	Annual An	rejected, rock in			accessible in Area 32	
1117		cepted, 11 cmp		Wy 1545		lease
1122		pected, nock in			Tier 2 cooler (Isample)	Rete in the Rain.

24 K MG	Peek				7/13/21		K. M.Pez	le		1	7/14/2,25
1600				ple to pr	ocessing		0615	Arnve SI	M, prepare	boat for	
	crew	, depar	t for	SPM				Core S	ampling		
1605	Arrive	SPM, (Inload	samples	,	1	0630	Conduct H	+5 bricking		
	begin	Sample	ac,	K. Mile	ek	Ja.		Crew: K.	McPeek (W)	ndwasd)	
	and	C. Dura	nd of	Y-water	./	ų.		€.	Slean	Cravity)
1630	C. Osra	nd dep	arts	8		- 63			McEliecel	, ,	
1901	Courier	arrives,	K. MC	Peek dep	acts.	(2		Weather: 5	50s, cloudy		
1725		of ful	,				0645	Depart SP	in for price	ssing ba	rge,
			J						conducting .		100
							0720		ocessing bare		
	,				1		0740	10-0	e at 1T682	523500	
				7.		1			ed, 97.8%.		34)
×						N N			I volume ne	, /	texicity
	Ш	1E	17				0800	0000000	20 17682		J
		13				18		Reject	kd, under-pe	retreted	
		19			144		0810		3@ 17682		
			12			"			rd, 100% re	acy	V 1
	4.7		(5			0825		@ 11682	ا ا	- A
		9		12					ted, 91.4%.	Ricky	
							0835	520	@ 1T68Z	J	
	- C					6)			ted, 93.3%	deavery	
			1.10			A m	0845	2000	60 17682	J	
						V	3 4 . 3		ed, 76.7%	MOUSE	
							0920		at 1T685-		(Ana 24)
					/				J, 89.31.		Chica Di
		2				/	-		cores needed		in the Rein

26 K. MC	Pack	7/184/21	K. Mcfe	ek			N. S.	7/14/2127
0930	Attempt 2@ 1T685	7	1540	Head to	process	ing has	ap.	-
	Accepted, 92.6% recovery		1555			ing bare		
0940	Attempt 3@ 1T685					cys to 1		ocess,
	Accepted, 77.8% recorny					to SPM	- 15	
0950	Attempt 4@ 17685	14	1720	K. Mep.		,		
	Accepted, 97.1% recory				COVAC			
0955	Attempt 5 @ IT685	-	1730	4 4.		arrives	trans	fer
	Accepted, 83.3% recovery			cust	dy 0	f samp	iles.	
1025	Collect core at 17681 (Area 34)	1755	K. MCP.	ik dep	ests,	end of	field
	Accepted, 94.3% recorn	Ç4		day				
1130	Collect core at SC680 (Area	34)	1					
	Accepted, 900 / recorny							
	Additional volume needed for	faxicity		12				
	testing			12				
1140	Attempt 20 SCG80			14		11		
	Accopted, 88.9% recovery				1 1			*
1200	Vibracore electrical fault, ret	lum to			1			
	SPM to troubleshoot					6		
1430	Depart SPA for Area 34 to	continue						
200	rusing	19						
1455	Collect core at SC680 - attemp							(4)
-	rejected; hit refusal as	24						
1510	AHempt 4@ 5C680	1	-			_6	-	
	Accepted, 87.5% ruory							
1525	Attempt 5 @ SC680	1	_				1))
	Accepted, 87.5% recovery						Ra	te in the Rain.

28 K. Me	Paste.			7/15/21
0645	Arrive SPM, 1	empare be	at for i	ore
	Sampling			
0700	Conduct Has	briefing		
2	Crew : Kate	Mefeck -	Windwa	d
	Eds	1091	Gra	nty
	Ryar	logn McEliece	/	1
	Weather: 50.		-	
0720	Depart SPM:	200	23	
0735	Stope ITG 25			by bout
	Location is			
0805	Collect core a	+ 11697	, attemp	+4.
	(Attempts 1-			
N .	needs to		100.00	
7	rejected,	under-pen	trated	(69.0%
	recovery	4.7		
0825	AHEMPT 656	+ 800 ITG	97 (A	ra 36)
	accepted	100% no	covery	
0850	Head to Area	34	J	
0910	Collect Core of	+ IT686	CArra	34)
	Attempt ; rejected;	core tube	pipped .	over
0925	Attempt Z		2.60	-
	1.5	recorn >	100%	
0945	AHEMP 3 a)			
	accepted	1, 970%	recorr	/
1000	Head to Area	23		

K. McPa	ok .	7/15/2/29
1015	Collect core at SC620 CArea	23)
	Accepted, 97.5%, recovery	
1030	Detiver cores to processing be	
	and transport IDW to Sea H	
1130	Head to Arra 32	
1150	Collect core at SCG72 (Arm	Z32)
	Accepted, 95:3% recover	1
1235	Collect core at SC676 CAre	
	Accepted, 95.0% recovery	
1245	Collect core at SC675 (Area	32)
	Accepted, 97.6 % recover	
1300	Collect core at SCG77 (Area	32)
	Accepted, 1001. Movery	
1315	Collect core at SCG71 (An	
	Accepted, 97.6%, maren	1
1325	Head to processing barge	
1410	Depart processing barge, he	of to
	Area 3	
1425	Collect core at 8C525	(Area 3)
	Accepted, 97.6% recovery	
1455	Collect core at SCS#24 C	Area 3)
	Accepted, 92.7% recovery	
1520	Collect care at SC528 CA	ca 3)
	Accepted, 92.5% recover	7
1525	Head to processing barge	1
		Rite in the Rain.

30 K. MePeak	7/15/21	S. Replinger	7.16.2021 31
1535 Arive processing bar	e unload cons.	0615 Arrive at SPM. Prep	for samping
K. McPaele Stays to	. 170	Crew: S. Paplinger	
um Gravity departs.		Chad Dwan	d - Cleanungs
19725 K. McPeak deports p.	nocossing burge		ece } Granty
to mest corner		Ed Sloon	Gran-2
1730 ALI Cornel arrives		Weather: overcas	, 60s 160s
1745 K. McReak dejects	end of Reid	0645 Conduct HLS bro	N Carrier
day		0700 Depart SPM to b	
		Surface grab Si	
		0735 Collect Surface grat	at 55707,
To the second se		Rejected (9 cm	
	3 9	0738 2nd Attempt at S	\$707.
			em penetrahan.
22	2.1	0750 Collect grab at SS	
Tr.	2	Rejected Nos	edinent in grab
/z		Cantac Mo	can to \$5706 while
		cheaninger	leratur defals
3 4 1		0800 Collect grab at SS	706.
		Rejected. Over .	
	7 105 1	0805 Collect grab at SS7	06 (2nd attempt)
		Accepted. 21 cm	
			(LDWZ1-55706-FD).
J 1		0820 Return to SS70:	
			iknd-sampleable.
, A 20 - 4 - 3	A N		round cutfall prevents
		Sampling at closes	Point. Retein the Rain

32 S. Replyeger	7-16-2021	S. Replinger	7.16.202) 33
0825 Collect grab at SS	703. Location shifted	1022 Collect 9	rab at SS678.
just south of eats	Il around fence		ed. over-penetration.
(9.5 ft from bu	gut). Rejected.	1024 2nd attemp	
Rock in jaw.	0 -	Accip	ted. 19 cm penutration
0827 313 attempt 2+ 55	703. Rejected.	1047 Cullect gr	
	ipnan; no penehatian.		location on rip rap slape:
0829 4th attempt at SS70	3 Shifted slightly		kuation away from slipe to
Earther from targe	t. (II ft)	Closest	sampleable area.
0831 5th attempt at 55703	b	Rejected	· O am penetration.
Accepted. 15 cm		1050 2nd attemp	of at SS646, Rejected.
10.7 ft from tex	ight.	0 cm p	enetration. Still on nprap.
0855 Hand-collect sediment		1052 3rd attem	Prat 35696. Shifted
10 cm penetruh	on; accepted.		from slipe (15 ft)
0920 Reion Arran 35. Decin	de to return at		1. Rock in jan
lower tide to samp	ie by hand due to	Monna a	from location - will neturn at
I'm water level.	Head to Slip 6.		de to hand-collect.
0943 Callect grabat SS67.	5,	1109 Collect grab	at 55503. Target or rip rap
Rejected over-per		slope. n	now away from bank to attempt
0945 2nd attempt at SS6		Sample	Will attempt hand collection. at
Rejected. Ocm		lower	hde.
0947 312 attumpt at SSGT	15.	1112 Collect gray	
Accepted. 16 cm		Accepte.	1. Il con penetrahan.
1003 Collect grab at SS	5676.	1125 Collect gre	1b at-55507
Rejected over-p		Rejeete	d. 9cm penetration.
1007 2nd attempt at 556	76.	1127 2nd attemp	ot at 85507.
Accepted 15 cm	penetration.	Accept	c.l. 15cm penetrahun, Ritam che Rain.

34 S. Replinger	7.16.2021	S. pepli	nger			7.16.	2021 3
1138 Collect grabat 5551	8	1713	Officed St	opplies a	nd cooler	<i>S.</i>	
Rejected (over-	penetration)		Prop san	mples for	cowier.		
1140 2nd attempt at SSE	518,	1735	Carrier o	mes.	Load coo	iers 4	
Accepted; 170	m penetrahun		sign	COCs.			
1150 Collect grab at SS	516.	1800	Deport S	spm, en	d of fre1	d day	1
Accepted. 18 cm							
1203 Collect grab at SS		-					
Accepted. 19 a		· · · · · · · · · · · · · · · · · · ·					
1212 Collect grab at SSE		** 					
Accepted. 16 cm		. —				/2>	
1223 Collect grab at SS 5		1				\ \frac{1}{1}	
Accepted. 17 cm	penetrahan.				1/1)	
1320 Collect grab at SS5	7 hand-coilect.				et 1		
Accepted (10 cm		<u> </u>		1	10		
1410 Hand-coilect tox to	at G10b 2t 55689	-		" One			
Accepted. 10 cm	penchanon.	-	(J'			
1510 Hand collect tox te	st greb at wess.	190					
Accepted Och	generation.						
Chud Drand depe	. Ne	2 <					
1620 Hard collect tox tes Accepted; 10 cm							
1640 Arnive a process		1				141	
Prop Samples F	oner a						
1700 Load borge to	take samples to						Table 1
nut woner.		3				Ra	t in the Rain.

36 K.M	Poek	7/19/21	K.M.fee	·k_	7/19/21 3
0800	Arrive SPM, prep for Sample	ling	1320	Collect core at 17512	
0830	Conduct H+S meeting	3		Accepted, 76.3%.	
	Crew: K. Mifeek - Window	iard i	1335	Head to Area 16	
	E. Sloan Gran	ity	1350	Collect race at SC57	0
	R. MEliace			Accepted, 86.8% 1	cary
	Weather: 60s, sunny		1405	Collect core at SCS73	
0850	Depart SPM for Area 32 for	collect	_	Accepted, 92.5%, re	corry
	vertical cores		1420	Head to Area 34	
0920	Collect vertical core at SC	674	1435	Collect vertical core as	17684
_	Accepted, 100% recovery		2-	attempt 4 (previous	attempts by SEE
0950	Collect vertical core at 506	73	7	Acepted, 8331. 1	earens
-	Accepted, 99.0% recores	7	1450	Head to processing b	arge to deliver
1010	Head to Area 23			cores and transport	1DW
1025	Collect vertical core at SE	11621,	1540	Head to SPM for restro	on break, make
	attempt 9 (previous attemp			plan for conny for	mow
520	SEE), Accepted - 82.2%	recovery.	1420	Head to processing ba	rze
1045	Head to Area 18		1635	K. MePeok Stays on	processing burge
1055	Collect core at 17600, attemp			to help process co	res, Granty
1110	Accopied, 95.1% recovery		ر در در سد . اسرو	departs	
1110	Head to processing burge t		A8 103	Deport processing ba	rge for SPM,
17	cores and take lunch bre	ak		Uniodo samples and	Supplies
1210	Head to Arra 1	-	2045		field day
1245	Collect core at 17563	-		7/19	
1300	Accepted: 94.3% remany	+		Y.54	15
	Collect core at 17504				
	Accepted, 82.5% recovery				Rete in the Rain.

38 K. Mc/	Poelc		1/25/21	K.	McPeek		4	7	120/2
0945	K. Mapaele	arrives SPM,	prop for	15	50 AHZ.	mp12 at	56673	- not	
	sample pr	ocessing on	Sea Herse	_	500	reossful.	Ht rock	~ 10ft.	
1000	Deport SPN	for process.	ing base to	1	i	11 repositi			
,	75.00	plies and h	ead back to SPM	16				Collected	
1020	Arma SPM					100+ 10.2			
1030		ndy arrives		* · · ·	A	ccepted,	80% Mes	try,	
1045	Rachel Crow	-		12		rocess co			
1100	Cindy Fields			17	1.	of Sea He	4	0.00	
		Grady W.	noword	_			/	od meet	-
			(a. i	181		1 corner		100	
		elds - Ancho	5	101		arody, C.		nd R. Cra	way
	Westner:			18				entof x	Seld
1120	C	1 For Sea 1	ice Line		da	-		CHEVIX	40
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	to process		2			1			
1140	(F)		se (conducted	*	_			V	
	by Anche				16				
1250	Arrive SCG7			1		19			
1390	Collect core	at 50674 (sonic dolling)	1 ==			2		
	Kup mate	rial from 11	ff to 21 ft,				35		
	process le	ore (77%	recovery)	1 _			-		
1430	Arrive SCG	73		1 -					
1450			sonic drilling)	1					
	attempt i	1 - rejected,	661 cm 61.0%	_					
-	recovery			1,-					
1		7						Rete in s	the Kein.

40 K. M	920k 7/21/21	K. Mel	Peek 7/21
0745	Arma SPM, prepure for surface -	1030	Head to Area 5
	grab sampling	1035	Collect grab at 55536
0800	H&S meeting		Accepted, 22 cm penetration
	Crew: K. Mileek - Windward	1050	Collect grab at SS541, attempt
	C. Durand - Clearway		Rejected, 10 cm peretation (und
	E. Sloan Cravity		penetrated)
	R. McEliece	1055	
	Wenther 60, cloudy	Ď.	Accepted, 18 cm peretration
0825	Depart SIM for Area 35; will return	1105	Head to SPM to meet Giovanna
	later with histor water		Pagnozzi (Geosyntec)
0850	Head to Arra 18	1125	G. Pagnezzi arrives, conduct Hos
0920	Collect grab at 55583		briefing and lovid screening
8	Accepted, 22 cm panetration	1135	Depart SPM for Arra 35
0930	Collect grab at 55586	1200	Access 55690 by foot; target
	Accepted, 20 cm penetration		location not accessible due to
0940	Head to Area 16		fence and tricle march vegetato
0945	Collect grab at SSSTO Attempt 1		Called S. McGrody; will sample
0945 KM	Rajected, no recovery		close as possible to target
0950	Attempt 2 at SS570	1230	Collect grab at 58696 by hand
	Accepted, 18 cm penetration		Collected as close to terget as
1000	Head to Arra 10		accessible (32 ff away), Fx
1005	Collect grabat 55'556	'e:	Volume collected for toxicity
	Accepted, 16 cm perstration		testing.
1015	Collect grab at 55555	1330	Tried to access 55687 but area
	Accepted, 14cm penetration		not accessible due to tide -
	Collected field luplicate	3	access by foot + previous attempts

42 K. MC	Peek	7/21/21
1330 ,	with power grab not succes	SS/U1-
Cont	Discussed with 5 McGrody	+ K. Goss.
	Will sample pear fenceline	67
	return to avoid pitential	
	geotech crew.	
1345	Head to Arra 17	
1415	Collect grab at 55575 att	mpt 1
i.e	Kejected, our-penetrat	and and
1417	AHEMPT 2 al 55575	
	Accepted, 27 cm per	retration
1430	Head to Area 1	
1440	Collect grab at SS505	
	Accepted, 17 cm penetra	tion
1455	Coilect grab at 55506	
	Accepted, 15 cm penetra	tion
1505	Hard to Area 23	w 1:
1520	Scope SSG27; located 1	
	metal seawall - will h	and Collect
_	another time	
15 30	Head to SPM	
1535	Arrive SPM	
1540	G. Pagnozzi depaits SPR	
1625	C. Durand and Granty o	
	K. McPeek Stays to QC S.	amples and
12,-	wait for councer	THE K MEPS
1715	Transfer samples to ARI cour departs SPM	101/10/19/20

S. Replinger	7.22.2021 43
0550 Arrive SPM. Prep For	sampling.
Crew: S. Replinger }	
Crew: S. Replinger }	V 60001 G
Ed Sluan	3
Ryan McEliece	Granky
Wather: partly cloudy, 60	910
0615 Conduct HES briefing.	
0625 Deport SPM to begin :	sampling.
0695 Collect 55687 by hand	
TOXICITY Sample. 10 cm	
Finish Area 35 Sample	
0750 Callet SS625 and	
hand. Samples coile	
	acation; was recessively
to shift location slight	
due to np rap slope.	10 cm 145cm penetration.
0810 Collect SS627 (hand-a	cilected) next to
hole from 17627, 10	cm. penetrahan.
0820 Petron to boar to proc	
from 625 and 627.	
0910 Coilect core at SC 569.	
Accepted 47.5% re	
0920 Collect core at SC567	
Location Shifted ~9	Ct to SE to avaid
geotech spal location	
Rejected (55% recon	Reto in the Rain.

44 S. Replinger 7.22.2021	S. Ruplinger 7.22.2021 45
0930 Chinis arrives to transport cores to	1304 Cotleet core 2+ SC 550.
processing berge. Thui Do depents to	Rejected, 47.5% recovery and less
join barge crew.	than 60 cm of wateral. Fighting
0934 Second altempt 21 SC567	Strong current.
Accepted. 78.890 recovery.	1314 Second attempt at SC550
0948 Collect core at SC566. Location shifted to	Rejected. Insufficient material.
N to avail guotech spill location.	For sample.
Accepted. 95.6% recovery.	1345 Return to processing burge to make more
1009 Callet car at SC561.	core types and offlood waste barrels.
Accepted. 82.5% recovery.	1500 Thai Do returns to Granty vessel.
1026 Collect core at SC 526.	Return to Area 8 to finish sampling.
Accepted. 78.690 recovery	1519 Collect core at SC551.
1040 Collect cove at SC 530.	Rejected. 42.2% recovery 4 insufficient
Rejected - no penetrahan.	1532 Second attempt at 50551.
1044 Second attempt at SC530.	Accepted. 91.3% recovery
Accepted. 77.5% recovery.	1545 Return to SC550.
1058 Collect core at SC540.	1530 Third attempt at SC550.
Accepted. 80% recovery.	Rejected. 15% recovery.
1120 Collect care at 50.574. Accepted. 87 419 recon 84490 recovery.	1606 Fourth attempt at 30550.
Accepted. 81 91 Per recovery.	Rejected. 25% recovery,
1150 Collect grab at SSEA6.	1617 Fifth attempt at SC550.
Havid collected. Sample collected from	Rejected. 41.3% recovery.
between rocks I rip rap on slipe as	1630 Sixth attempt at SC550.
close to bright location as possible	Rejected. 37.5% recovery
While Shill penetrahing 10 cm.	1638 Seventh attempt at SC550. Shifted to
Process sample.	SW. 50% recovery. Rete in the Rein.

46 S. Replinger	7.22.2021		
1645 Called Kathy + Sisie	regarding SC550.		
Will make one ,	nor attempt m		
longer core the. 1657 Eighth attempt at.	Otherwise use Attempt)		
1657 Eighth attempt at.	SC550 and grehing	4 6	
Accepted. 72.5%	records.		
but accepted per	conversation 4		
kathy (Susie.		X*	
1720 Petrn to processing	0		
1752 Discuss processing of	SCOED WHO	le.	
fand 2 13 cm 2+ bo	TOCOS INC. TERM		
Jana 413 cm 27 bb	them of paragran was		
	bottom of fore weshed		
	if word be best to		
Use total depth (880	ur) to calculate		
PAL (SCSSO-AA) W	ng. Internal below		
PAL YSCSEO-AA) W	ill be archived.		
1820 Finish processing. Loa	d Gravity boat and	7 -	
prepare to had back			
1830 Return to SPM. Office			
1900 Depart SPM. End of G	eld day		
			2
1	right	4	
G.Quel	104	1	
1.	\v\ \		

Gravity Logbook (Aug 2-3, 2021)	
	08 02:2021 Speptinger 13
· ·	0895 Arrive at SPM to prep for sampling.
	0900 Meet Grany craw. Load supplies
	Crew: S. Replinger - Windusor
	Ed Sloon & Grand
	Kenne (rudeau)
	Weather: Sunny, 70s
	0915 Candust HS breaking.
	0935 Head upstream to Area 37 to begin
	Sampling (17698, 699, 702, 703)
	1000 Tolk to Charley Godiffredoon - unil plan
	to recollect 621 if time allows due to
	Issue with how core was processed
	1024 Collect care at 17699 using revised
	target location (attempt 1) - 17699x
	perecise -1.5 ft penetration.
	1094 Coilect second attempt at 17699 core y.
	Rejected 2.5 ft penetration than hit refisel.
	1101 Third attempt of 17699.
	Rejected - refugal at 25 ff.
	1127 Fourth attempt at 17699 - shifted faither
	away from bank.
	Rejected - refusal at ~1.5ft.
	1153 Fifth attempt of 17699
	Accepted 83.3% recovery.
	Process as 176992. Rete in the Rain.
	Nelle in the Nation

14 V8.02 202 i S.	Replinger	08:02:2021	S. Replinger 15
1210 Processing notes - for 100		1530 Head back upsme	um to Arau 37.
attempt I will be con	C 17699x	1600 Third attempt a	- 17703.
attempt 2 will be con	The contract of the contract o		. 8.ft penetration
attempt 5 unil be con		1619 Fourth attempt a	
1210 More to location 1703 0			d after drive of
1215 First attempt at 17703.		~2 +1. 85%	reasey.
6540 recovery, 4ft pe	netrahan.	1635 Talked to kathy.	Agreed to retain
1255 Second attempt at 1770	03		core y (1T703Y);
(Note - had to stop to pre		attempt 4 will b	
prior to collecting care)	1655 Return tophicessing be processing cores.	urge to help finish
Vibracore Stopped working	with tube	processing cores.	Granky departs to
about 6.7 ft in must. W	orning on	fix vibracore and	prep for next day.
thrubleshooting problem.	0	1737 Depart harge	
50% recovery 6.5 ft pen		6949	
1405 Talked to Trathy - will p		1749 Officed Supplies 0	
as 17703 x. attempt #	2 will be '	1757 Depart SPM. End	of field day.
discarded.			
Continued working on vII			2021
Headed downshoom of	bridge to avail		08.02.2021
guting shub by tide	0	- ove	
1505 Vibracine seems to be we		S. Yes	
Head to 17621 to test			
attempt sample.	,		
1513 First attempt at 17621			
Accepted. 97, 990 rea	overy.		
	~		Rete in the Rain.

16 08.03 2021 S. Replinger	08-03-2021 S. Replinger 17
1045 Arrive at SPM. Prep for Sampling.	1249 Fourth attempt at 17698. Shifted another
1055 Load supplies onto boat.	12ft away from shore.
1100 Conduct HRS briefing.	Refusal at \$5 ft. 97.690 recovery
Crew: S. Replinger (inv)	1318 Fifth attempt at 17698. Shifted another
CI Gran)	The form last attempt.
Chad Furlie & Gravity	Refusal at 1.5 ft -no recovery.
Weather: Sunny, 70s.	1259 Talked to kathy. Agreed to retain attempts
1107 Depart SPM. Head to Aven 37 to	1 and 3 pending additional attempts, will
confinue sampling (17 703, 702, 698).	discard attempts 2 and 9 for 17698.
1125 Arrive at 17703. X an Y cores were	1341 Sixth attempt of 11698 - moved dunineum
collected at this location yesterday - still	of attempt no. 3.
attempting to get All pendiation core.	Refisal at 1.4 ft, 0% recovery.
1137 Fifth attempt at 17703.	1920 Seventh affempt at 17698. Shifted upstrann
76.3% recovery, 8ft drive.	of attempt 3 - between wall 4 bilings
Accepted. Process as 177032.	7.5 ft druc 76.7% recovery.
1204 First attempt at 17698. Rensed terget is	1430 Talked to kathy - will do one more attempt at 17698 closer to larget to
just away from bank of np rap on slope.	try to get better recovery.
5 ft dric, 58.090 recovery.	
1218 Second attempt at 17698 - Shifted about 10ft	1453 Eighth attempt 21 17698. 9 ft drive, 74.4% recovery
buck from target. 1st attempt.	· About 9 ft from revised toxiget
Refusal at 24t, 80% recovery.	1500 Talked to kathy - will process attempt 8
1234 Third attempt at 17698 - Shifted another	as core x and attempt 7 as core y
5ft away from share.	All others will be discarded.
Hit refisal at 4ft, 85.090 recovery.	1510 Head to 702.
	Reto in the Rain.

18 08:03:2021 S. Replinger	19
1526 First attempt at 17702 (8 ft from tenger)	
Refusel at 43 ft, 895% recovery	
1551 Second attempt at 17702. (7 ft from target) "	
Refusal at 5 ft, 64% recovery	
1622 That offers at 17700 (200 C. L.)	8
Refisel at 5 ft (wordy debns in Shoe),	
1650 Fourth attempt at 17702, 93% records.	
Refusal at 6.5 ft, 88.5% recovery	
About 13 ft from breget (downsneam)	
1700 Talked to Kathy will process 17702 as:	
Attempt 1 = core X	
Attempt 4 = core x	
Attempts 2+3 will be discarded.	
1720 Wapup Sampling, Depart Avea 37.	
1745 Arrive at processing barge Officed	
Supplies and begin to help process.	
1800 Gravity depents	
1910 Depart processing barge 4 ream to	
SPM. Offwer of 1930.	
1945 Depart SPM. End of field day.	
5 Rupl 3. 2021	
5470 85	
	Rete in the Rain.

2 6/29/21 Sunny, Clar, 70s	6/30/21 Overast 60/5 3
7:00 Brandi Quinlisk +	0.0121
Amaia Vandervost arrive	8.30 Safely-lail gate
7; 20 On-water (AV+BQ)	Amara Vandenos
Begin barge set up	BradiQuinlisk
7150-AU+Badffwater	SuzanneReplinger
8:00 Healthy + Sofety Tailgate	2achel Crowing
A Vandenost OCondy Freds	Cindy Fields
Bounlist Andy Enced	Andy Faces
Ed Slown Nik Bacher	Torek Akkan Nik Bacher
Tarek Akkari	Katy Gross (oversight)
	8:45-All on-water except for
8:40 on-water (all)	Suzanne and Amara and Setup
	at processing burgl.
- Set-up processing barge	910 - Suzanne and Amara
- de con equipment 0 12:48-Krisken Kems on barge	on waterafter samples to lab couner.
17.0Kriska Kems on Darge	10:50 Begin processing vertical cares
-1200 begin processing Wertical	5:30 Como to co consider los Debraw off
COPES - Dersinsborday gores w/<3in 1700 comprehed diffunction boat measurement - Samples to lab Corner @ a do not require addunt correction	5:30 complete core processing + begin burgle de mob.
- Samples to lab Court @ auddhard corregion	545 samples to lab courier
1750 packup and leave burge	
1756 offwater	SR, ES, CF, AZIRCINB, + TA LEWE
615 - SM, ES, CF, AB, RC, NB, TA COAL à	SR, ES, CF, AZIRCINIS, + IA LEWE
	615- AU 180 Preptos 7/ men leave 1015
6:30-AV+BQPRPFOR 6130+ Leave X000	- Kitte uf production of

47/1/2021 - Cloudy 605	overcast mid Gas 7/2/2021 5
8:15 Brands Qyinlisk and	8:20 Brandi Ownisk and
Amara Vandervortarrive	Amara Vandervort arme
unload supplies	and Start Paperwork
8:40 Health + Safety Tail gate	8:25 Samples to counter
Brandi Quintsx Tarek AKKari	S.23 SV. PG2 10 COC. S
Amora Vandenost N.K. Bacher	8:30 Sofety talgate
Rachel Cowley Kristen Keins	Brandi Duhlisk Tarek Akkari
Cindy Fields Andy Zacek	Amora Vanderort N.K. Bacher
Chad Stokes	Rachel Cranley Kristin Kerns
	andy Felds And I'm Hearsy
8:56 Onwater - Set up processing	3 100
8:56 Onwater - Set up processing 12:45 barge, Krister K leaves 3:30 retains 13:30 10:30 Jeff String advers barge 1:30 Korthy G. annues	8:55 on water - Setup process non
10:30 - Jeff Stras Angen brige 1:30 Kerthy G. annues	barge.
11170 DOCUSS CORES UNDURGE.	9:30 begin processing cores
5', 26 Samples to course 3:00 Thai D.	12 00 Kristen K left barge
6:05 de mob 5:15 on burge	5:45 Samples to laboratory
	Sils ThinDo-arrives onbarge
(0.20 Off Water	te: 40 De mob and move used coes
all but AU+BQ Cease	7:30 leave marner Jothnater
- AV+ BQ - logistis / Supplier	mal cores to struct with
6:45 AU+Balonce	8.00 end of field day
	400
A	A
407/1/21	12/2
· ~ /~	
	Kette an Ale Kain

File 21 (b5+cloudy (Cont.) 7/16/2) 7 8:55 Brad Danist + Arroya Various and Instruction of Sample. Unlocal supplies & prep 10.05 Sate at a loade Tark Akkar. Bant Danist Condu Fields Routed Tark Akkar. Bant Danist Condu Fields Routed Tean Hauging 16:30 Sheplings of barge 16:30 On Water Sot up processing 16:30 On Water Sot up processing 16:35 On Water Sot up processing 16:35 On Water Sot up processing 16:35 Sc58 Sc58 Sc58 Sc58 Sc58 Sc58 Sc58 Sc5		
are rejevent will be re-converted.	America Varidonost arrive and Unlood Supplies + prep 10:05 Safeytaloate Amara Vardenost Torek Akkar. Brait Dinlist Condy Fields Rachol Cranley MK Bucher Andy Facet Jean Hraymag 10:30 On Water - Sotup processing baral Begin processing. 12:55 SC58 Siltto Sand Win the RAL interval (a 30cm) Spoke to Katny G. RAL nerval to be processed as 0-60 process (a lo RAL nerval to be processed as 0-60 process No North Breidenthal arrives on Darel 4:30 TT (997 - very light sit unconstitutely 114cmdrue Flem measured m (ve	Sign Samples to confiler 18 Sign Si Pephrapion barge 18 19:00 Si Pephrapion barge 18 19:00 M Brei dothal off burge 20:00
mong forward a bige Pump WIII	are rejedent will be re-collected.	1000
	mong forward able pump will	Rite in the Rain.

8717121 lancos cloudy 9:15 Brand Quintisk 1 Amaralandonof	low 605 cloudy 7/8/21 9
GIE Brank Dimisky Amerikadoral	9:15 Brand Ornist & Amora Vanderat
arrive and load supplies on boat.	9:15 Brandi Ornlist & Amara Vanderut arnue + load supplies on boat.
10952 Sala del- 10	10:00-Samples to lab course
N Kristin Kons J Brad anlist	
Amara Vanderos H Nik Backer	10:05-Saftey-langate.
Andy-Lacek Cody-Felds	Amara Vandoros Brandi Dunlist
Tarek Akkari Rachel Crowley	Andy Zacek Kristin Kerns
	Tarek Aktori Mt Bacher
10:05 Samples to course	Tarek Aktori Mt Bacher Rachel Cruloy Condyfields.
	10,000 000 1000
10:15 on water; Setupprocessing barge	10:20 on water; selup processing
11.00 beg n provissing cores	3.5
3:00 - Sincorday + O. on barge 5:30 - Samples to counter.	10:45 begin Processing cores
3.30 - Samples to Counter.	4130m
5:45 S. Redurger +K. McPeak	1630 Core It 635 has 4 intervals past
On barge	RAL(A-E) instead of 5. Core hit
6:45 S. Replinger + K. McPeek	refusal (piling materia) in the
leaveborge	catcher) Processing core after
7:10 Tarek Aktor Conves barry	checking W/ Sysie M+ Kristin K.
7.20 0 10 10 0	Checking W/Sisie M+Krister K. 1633 Kate mcPeek on barge.
7:30 - Puck up barge for the day	
7:45 everyone also off water	1724 Sandesto lab courier
	Kristen Kerns left bargl
717121	1842 Thai Do on barge Romen Robert
	Kite in the Kein.

10 70 1 1 2 2 00	20x 5x 1
10718121 pg 20f2	705 Sunny 7/9/21 11 9:00 Brandy Quinus Carnes
2020 Packup borge	and transports field supplies
2030 Off water	91.15 Anora Vanderest arrives
2045 legt marria.	and transports supplies
aus aux marina.	10:05 safety-tadgate
	Amara Vandono A Rachel Crarley
	Brandi Dunlisk Tarek Akkari MK Bachor Ann Fitzpatrick
	THE PURITY IN THE
	1038 Samples to Lab consier
	1045 on water
	Setup processing barge
37/2	1121 Nick Eckhardt on barge
	1130 Begin processing cores
	1209 Antitzpaine loaves barge
	1215 Giovanna Pagnozzi amves
	1333 G. Pagrozzi Coaves barge
	1727 manples to lab courier
	R. Crowley leaves barge
	18:45 pack up borg embut BO+AV
	19:00 of water + Coffmance
L L L L L L L L L L L L L L L L L L L	20:00 kmsh den 16 + coold for het 1 7/9/01

127/12/21 705 SURRY 0631-A Vanderurt arrives to resupedy processing burge 0645-Nick Eckhard farrives to Supply burge. 0700 Safky talgate Nick Eckhardt Andy Facek Nick Eckhardt Andy Facek Nick Eckhardt Tarck Akkar Ancra Vanderurt	40's Sowied 7/12/21 13 Pazof2 1828 Pack powal 1840 Buck & manhajoff waker 1850 Leave manner T. Do + A Vandowort to Strage unit. 1912 leave stonge unit ilndot held day
0718 on-water; setuposussing burge 0807 begin processing cores 1209 Leave barge for waste barrel 1ransfer official Jim Heasey miles 1315 Buck on water Continue manner processing cores 1515 Thai Do on barge 1530 Sutane Replayer on barge 1605 Chad Durand on barge 1605 Chad Durand off barge 1700 Samples to Cab courser Suzanne Replayer off barge	Mate in the Rein

14 7/13/21 pg/0/2 alvercast, 60s 1832 Amara Vanderest amues 06 Wice & Supplies	P4262 7/13/21 15 1705 all but Nick E & Anora V lawe
NESS NICK Eckhardt anwesul.	1724 Samples to lab course
6705 Safely-tailgate	1730 NE + AV Lance manner
Amara Vandonost Rachel Couley Nik Eckhardt Andy Zacek	
Steve Stren 1 Tarek Atkani N. K. Bacher	
0726 All on water except A Vandenot	
0730 Set up processing burge	(3)2)
0736 Samples to lab course.	
0748 A Vandenon on water	
0811 Begin processing cous	
1538 Their DD arnves on borge.	
1733 Partupburge 1655 Leure borge	200
1655 Lewe baye 1055 anve @ narredoffully	Rete in the Rain.

167/14/21 (00's overcast	60s overcast. 7/15/21 17
0645-Nick Eckhardt + Amara Vanderunt annet resupply barge	0700- Nick Eckhardt + Amara Vanderson
convet resupply balge	0720-Amara Vanderart anvest
0659 - Safety talgett Tarek Akkari U Steve Strent	0743 - Samples to laboratory 0800 - Safrey tail gall.
Rachel Crowley Nik Bacher	Anora Vandervart
Andy Faced I James Brawn Amard Varderick Mick Eckhard+	0821 onwater / setup processing
0715 load bout on water	Occide Same
0715 load but I on water of Darge	0950 begin processing cores
0759 Cherome Ore in amvesor	1016 James Brown on barge
0832 begin processing cores 1454 James Brown leaves barge	1222 Call W.S. Mc Groddy R& IT621 5.14 reconginified 41st on barge
1555 Kote Mcfeet on bargo	Core was soud which would
1555 Fote Mcfeet on barge	not account for law recovery core
1721 Sundes to lab count of Prain Kate M. offor barge	plansal Sampus were by arred. Kate McPeelCarrier on barge.
	ISTAL ON IS AN A IN OTHER
1800 Packup + Loure borglalleacexopt 1805 Al manna - Offward Too, Avant 1830 Call William Gross Re Relacoura / Avalut 1830 Leave Samperkinemen / Avalut	1554 Call w/ S. McGroddy RECPT push Curos, Bathrost @650 with \(\int_3.5th peretration \) Sand lock and lock
1830 Leave Santuknemen / 30 miles	1 2 2814 2 2 230 2 6 2 6 233300

187(15) 21 (10nd.) 1534- Lifted digo off Sufface. Same		Cloud	y,60's 7/16/2021 19
Siruature 655 Deasin		0800	Arrive at Southpark Marina
was made to process what AV	4:	UB:05	H&Stailgate and condsover
was depth coilected and			conducted by Brandi Quintisk
Send to lab to archive.	4		Attendees:
1731 tate MAN			Amara vanderion Jim Hearsey
1710 That Do arnues on burge			Kristen Korns Cheronne Oreiro
1731 Kate McPeek and James Brown			Tarak Akkan Steve Strehl
leave barge			12achel Crowley
Samples to Lab count		0815	Amara, Steve & Rachel on water
1750 packup borge	47	10:45	All others on water kristen kerns leaves barge. Cinely Bartlett, Geosyntea
1800 offwater		10.43	Cincy Bartlett, Geosyntea
1000 047 100001			tras locais a dies con
1807 Leavemanna		12:56	Hos breiting & cond screen
2400.00		16:00	Amara vandenovit leaves barge
		11	Tor the day.
		16:30	Their Do arrives on burge
1 (126)		14:15	off barge (all)
	k.		All off water
	1	17:30	Thrank, Rachel, Jim, Cheronne 5
	42		Steve leave site
		18.00	They Do and Brand Quintisk Leave size
			BQ 7/14/2021 Rete in the Rain.

20		7/19	12021							21
Sunny,	low 70's	2			16:30	Thai	Do can	eonto	barge	
0830	NICK Eckhardt	arrive at Sout	h Pare Main	d.	16:25	Kate	McRee	k Can	e orto	100
0845	Brandi Quinlis			thy.			he bar			288
	All crew onsite					J		5	1 1 -	e ;
	tailgate br	6.73.00	2	*	20:35	Allere	w Leave	barge		
	Brandi Quincisk				20:45		ew off	-		
	Rechel Crowley		10		21:00		ew lea			
	Analy zacek	Steve St								
	Jin Hearsey	MICK ECK								/
09:30	on water									/
09:35	on burge	load and pr	res							
1	for proces	ssina		*3						
12:45	matt Breiden	that Carche	elugist\							
	arrives at		0. 7	٠	-					
(covi o scree		ifing							
1	conducted		1 4				0/			
10:30	Cores SC673	201				Q	27	19		
		cessing bary	l				110	(
	measured sed					4	XI			
	greater that									
	depth. may be			4,-						
	settling from we	ater in tube. R	roussed		/					
	with Susie me			ė						
	directed to pr	vouss at 100%	CF.		1					
	Same principle				-					
V	received cove	for SCG (162	J.						Rite	in the Rain.

22/1 lond	yilight rain		7/20/	2021		mostly	suny, l	ow 70's		7/22/2	1021 23
11.0500						0 800	Porand	i Oerin	CISV AV		
0715	Brandi Qui	nlisk ar	ive at si	te.	4					loadis	10
0725	NICK ECKL				10	0830				tailgo	
0800	BQ conduct				de		Hose			0"	
	Nick Eckh	evolt Jin	Hearsei	1				1		neronhe	Oreiro
	Andy Zacel									eve ste	
Ð	Steve Steh	1				08:45					
08:15	On-water	, all oven				0850	At ba	rge an	el setu	p for	
1150	50548 cille	ted with m	· Swaling					issing			
	materiai. D	isansseel wi	th Susie	MeGodely		09:35	Thai Do	arrive	s on ba	rge to	
	and the said				D			ip proc		· ·	
	0-60 core on			vems		11:45	Thai D	o leave	s barry		
3-0	Sample show	4 No. 2	1000		w	12:10	Their (to back	on ba	voge.	
13:38	matt Breid	enthal an	rives o	n		14:00	That I	o lear	ies th	e barge	
*	barge -	for arche	olegy			17:02	79		and A	/ 1	
1-2-	munitar	ing.	1			_=	leave	barage	for the	2 days	nd
1735	Thai Do a			to						raf f	
lma	help proce						Marie				
1830	Matt Brei					17:20	Thai 1				
10.00	barge an				10	AT 1240				o proces	
19:30	Remaining	crewi	eave 6	argl.	J.	18:30	Allren		y creu	s Leowe !	ouroge
20.02	All crew (eave SI+			ď	10	for me				
	रिका	2	1			19:00	All Co	en le	ave SIF	e . 	
		1/20/202	-				Br	120/2	021	0.	0
								Lan C		Kite	in the Rain.

24 Gunny	1/27/2021		Sunny	70'5
0830	Brandi Quinliste anne at south Park marine. Load supplies	1	0900	Brandi Quirlise arrive at South Pare marine. Discussion on
0900	Remaining crew arrive on site	2/		logistics for today w/suzanne R.
0906	H&S tailgate breiting, conjucted		0915	Nick Eckhardt aritive on site
	by Brandia. thise present:		1.00	Pag + NE begin londing supplies
	Rachel Chowley Cheronne oreivo		1000	All aren arrive or site
09:19	Steve Stell James Brown		1002	Conduct health & Satety noto
09:26	arrive at barge and begin processing.		· ·	Those present: Brandia Tarek. Ackan
10:29	Discuss with Susie Mc Groddy	á		Brandia Tarek Akkan Nicktokhadt James Brown
	1+701-2. Confirmed collection			Pachel Crowley Steke Strehl
	penetration depth of 2.75ft.	V		Vate mi Peek
	Processing recovery depth = 66cm		10:12	All crew on water
	but field collection recovery depth =			Arrive at barge & setup for
	2f1 (or blom). Susie said this is			processing.
	oxay and to proceed with processing.		13:32	176997 - Der Suranne sediment
	Finterval is approximately 3 cm			slipped from bottom of core upon
61 11	Shy of 30cm - okay per susie.			Collection. Therefore, processed
11:34	All crew leave barge.	Ä		core using field recovery dupth
11.42	All crew off water.	Ĵ		and field recovery percentage from
11:46	All crew leave site.	v		core collection torm.
	3/23/2021			When processing X, Y, Z cores at Area 37

26 B/2/21 cont.	mostly sund, 70's B/3/2021 27
if interval lumping due to lithology or	
end of cove, etc., was necessary - stainent	1115 Brandi Quintisk arrive oriste
was himped it less than (ocm instead of the	and begin loading boat for brige.
insual 15 cm, per conversation/instructions	1130 NICK Erkhardt arrive onsite
from Susie M'Graddey on 7/26/21.	1200 All other crewarrie, Ba
17:11 James Brown; arch montor	1202 conduct H+Sbreifing.
1 leaves barge for the day.	Present:
V	Mick Eckhardt Steve Strehl
16.55 Suzanne Replinger arrives on	Kate M° Peek James Brown
barge to help process.	TarexAxican
17:37 All remaining over leave	1213 All crew on water
borge for marina	1216 Arrive at barge & bigin sctup
1749 All crew of f water	for processing.
1757 All crew Ceave Site.	17:45 Suzanne arrives on barge to
	help process.
	19:10 Ceave barge
	19:30 All crew off water
	19:45 All chew leavesite.
Q\V'	*
	1202
	813/2021
	Rite in the Rain

Windward Sediment Core	Collection Form
Date: 157-20-19 Weather: 505 purcust	Location ID: 500 Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: TD & RM
A. Water Depth DTM Depth Sounder: 1251 ft DTM Lead Line: 1251 ft Core Collection Recovery Details:	Long/Easting: 1273162.90 Level Measurements C. Mudline Elevation (ft MLLW) 14 -12.29 DW RTK tide station Recovery Measurements (prior to cuts)
1. Core Tube Length: 5.D ft 2. Penetration Depth: 5.D ft 152.9 cm 3. Headspace Measurement: 0.8 pt 4. Field Recovery Depth: 4.2 ft cm 5. Field Recovery Percentage: 34.D 6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 124.5 cm 8. Adjusted Recovery Percentage: 81.7 % Drive Notes:	Core Sections To Process: A: 0-60 cm See processing log.
Shoe Description: Sand/silt	*
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	
141	

Windward Sediment Core Collection Form	
	Location ID: 50
Weather: 505 AMMG4	Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: D, CS, RM
A. Water Depth DTM Depth Sounder 12.0 ft DTM Lead Line = 12.0 ft Height: -0	evel Measurements C. Mudline Elevation (ft MLLW) - 17.21 DW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 90.570 Drive Notes:	Core Sections To Process: A: 0-60 cm Sel processing B: 100 C: D:
Shoe Description: Silfand, Gill	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
;	
9 9	
Notes:	

Windward Sediment Core	Collection Form
Date: 07-2021 Weather: 505 ONWART	Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: TD GS RM
A. Water Depth DTM Depth Sounder: 17-15ft DTM Lead Line: 12-16ft Height:	Long/Easting: 1273248.07 Level Measurements C. Mudline Elevation (ft MLLW) 132 171.64 DW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 7. Som 8. Adjusted Recovery Percentage: 8. Som 9.	A: 0-60 cm
Shoe Description: Sitt Sand mix	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	

Project: OW Atcy Phase // Date: 7/19/21 Weather: 60 s, sun Logged By: WM Field Collection Coordinates: Lat/Northing: 197 628.9/ A. Water Depth DTM Depth Sounder: 3.7 ft Location ID: 1750 Attempt No.: I Core Type Intertida Field Staff: PM Long/Easting: 123 B. Water Level Measurements Time: 1275	Subtidal Shoaling
Lat/Northing: 197 628.9/ Long/Easting: 123 A. Water Depth B. Water Level Measurements	23 <i>117 </i>
DTM Lead Line: 3.8 ft Height: 8.36 Source: LOW PTK The Station	Recovery Measurements (prior to cuts) Core Sections To Process: A: 0-45 cm B: C: D:
Shoe Description: See processing log Core Field Observations and Description: Sediment type, moisture constituents, odor, shee biota	e, color, minor modifier, MAJOR modifier, other n, layering, anoxic layer, debris, plant matter, shells
Notes: About 6.8ft from target	

Wind ward	Sediment Core Collection	on Form
Project: LOW AOLY Pha Date: 7/19/21 Weather: 70s, Sun Logged By: Lym	Attempt No Core Type:	
Field Collection Coordinates Lat/Northing: 1976 19	EZ Long/Easting	g: /273/69. 86 rements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder: 12.5 f		Recovery Measurements (prior to cuts)
Core Collection Recovery D 1. Core Tube Length: 5 ff 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage	etails: 4.0 ft /2/.9 cm / 7 ft 3.3 ft /00.6 cm	Core Sections To Process: A: 0-45cm
6. Core Accepted: Yes No 7. Processing Recovery Depti 8. Adjusted Recovery Percent Drive Notes: drove freely to depti	n: 3th ft 102cm age: 83.7	1 4 B: C:
		<u>D</u> :
Shoe Description: See pr	cessing log	
Core Field Observations an		e, moisture, color, minor modifier, MAJOR modifier, other odor, sheen, layering, anoxic layer, debris, plant matter, shells,
Notes: Abust 2.484 from tax	got	

ž

Windward Sediment Core	e Collection Form
Project: AOC4 Phase 2	Location ID: 505
Date: 07.30.12	Attempt No.:
Weather: 50s www.cash	Core Type: Intertidal Subtidal Shoaling
Logged By: TRO	Field Staff: TD ED RM
Field Collection Coordinates: Lat/Northing: 197719.64	Long/Easting: 1273204.74
	Level Measurements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder 13. 17ft Time: 06	
DTM Lead Line: -13.15## Height: +	<u> </u>
	_DVV RTK tide station recovery weastrements (prior to sale)
Core Collection Recovery Details:	3
1. Core Tube Length: 5,0 ft	
2. Penetration Depth: 3.5 ft 106.7cm	Core Sections To Process:
3. Headspace Measurement: 2.0 G	160
4. Field Recovery Depth: 3.0 ft De-Form	1 0 - 60 cm
5. Field Recovery Percentage: 65.7	A: 0-60 cm See processing
6. Core Accepted (Yes) / No 7. Processing Recovery Depth: ft @9.0 cm	B: See pricessing
7. Processing Recovery Depth: ft &9.0 cm 8. Adjusted Recovery Percentage: 83-49	1 4 5 1 4
7 7 7	
Drive Notes:	
free down w/no resistance	
	D;
A	*
Shoe Description: full, sand filt	
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,
	biota
Notes:	

Windward Sediment Core Collection Form
Project: AOC4 Phase 2 Location ID: 50 6
Date: 07-2015 Attempt No.:
Weather: 505 ONMUNE Core Type: Intertidal Subtidal Shoaling
Logged By: TDO Field Staff: TD & RM
Field Collection Coordinates: Lat/Northing: 197 819.18 Long/Easting: 127 3291.06
The state of the s
A. Water Depth B. Water Level Measurements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder: 17.65ft Time: 0654 -16.18
DTM Lead Line: (-16.8 ft) Height: + 0.62 ft Source + D.W. DTK tide attains Recovery Measurements (prior to cuts)
Source: LDW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details:
1. Core Tube Length: 5, D ft
2. Penetration Depth: 3. D ft 1.4 cm
3. Headspace Measurement: 2.4 ft Core Sections To Process:
4. Field Recovery Depth: 2.6 ft cm
F. Field Persyant Persontage: ct/ '7
6. Core Accepted: Yes / No
7. Processing Recovery Depth: ft 75 cm B: 6
8. Adjusted Recovery Percentage: 82.1
Drive Notes:
free drive to pen depth.
D:
Shoe Description: empty, + silt/sand
Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:

Windward Sediment Core	e Collection Form	Page of
Project: LOW AOCA - Phase II Date: 7.6-2021 Weather: Sunny, 705 Logged By: SP	Attempt No.: Core Type: (Intertidal) Subtidal Shoaling Field Staff: SP. P.M. 6S	8
Field Collection Coordinates: Lat/Northing: 1273205.72	Long/Easting: 197635.96	8
DTM Depth Sounder: 6.35 ft Time: 1 DTM Lead Line: 6.4 ft Height:	Level Measurements C. Mudline Elevation (ft N 225 -3.1 ft MLLW 3.31 ft LDW FTK Recovery Measurements (p	2
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 3.5 ft ft 106.7 cm 3. Headspace Measurement: 1.6 ft 4. Field Recovery Depth: 3.4 ft ft 103.6 cm 5. Field Recovery Percentage: 97% 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: 3.26 ft 99.5 cm 8. Adjusted Recovery Percentage: 93.3 Drive Notes: Freely draw to target penetraham.	Core Section A: O-A B: C:	Sam
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR m constituents, odor, sheen, layering, anoxic layer, debris, p biota	odifier, other lant matter, shells,
Notes:		
About 1.2 ft from target.		

Windward Sediment Core	Collection Form
Project: AOC4 Phase 2	Location ID: 508
Date: 07-2024	Attempt No.:
Weather: 505 overcast	Core Type: Intertidal Subtidal Shoaling
Logged By: TT20	Field Staff: TD 65 RM
A. Water Depth DTM Depth Sounder: 10.45ft DTM Lead Line: 17.0 ft Height: -0	0.84 ft
current. Source: L	DW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5. 0 ft 2. Penetration Depth: 3.5 ft 106.7cm 3. Headspace Measurement: 1.3 St 4. Field Recovery Depth: 3.2 ft cm 5. Field Recovery Percentage: 90.4 6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 94.5 cm 8. Adjusted Recovery Percentage: 88.6 Drive Notes:	Core Sections To Process: A: 0 - 60 cm See procession
Shoe Description: Silt and Sand mix.	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	

	Windward Sediment Core Collection Form
	Project: AOCH Phase2 Date: 07.01.21 Weather: 1005 Overras Logged By: TDU Logged By: TDU
	Field Collection Coordinates: Lat/Northing: 47. 532463 Long/Easting: 172.319376
	A. Water Depth DTM Depth Sounder: WA DTM Lead Line: 25:1 4 DTM Lead Line: 25:1 4 Recovery Measurements (prior to cuts)
	Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 12.5 ft cm
	3. Headspace Measurement: 5.1 4. Field Recovery Depth: 9.4 ft cm 5. Field Recovery Percentage: 74.2
	6. Core Accepted Yes / No 7. Processing Recovery Depth: 9. 5 ft cm 8. Adjusted Recovery Percentage: 9 10. 0 Drive Notes:
	~ 3 ft. free fail 1/2 throttle, steady down Figures out ~ 7 ft.
9	full shrottle with little lacreases to target penetration depth (125 FF)
	Shoe Description: black silty and of the arganics, to grave
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota
	(0-4)(4-8)(8-9.5)(9.5-9.9) A signents.
	Notes:

-

Windward Sediment Core Collection Form
Project: MCA Phase2 Date: CF. DF.24 Weather: (aUS Browned) Logged By: The End Staff: To DD TO
Field Collection Coordinates: Lat/Northing: 47.532159 A. Water Depth DTM Depth Sounder: PA DTM Lead Line: 11.4 PF B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 11.78 Height: -0.15 FF Source: Div ENL Folds Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 2. 4. Field Recovery Depth: 5. 2
Shoe Description: Shee empty, tv. sand/silt. Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota Segments
Notes:

Windward Sediment Core	e Collection Fo	orm	Page 1 of 1
Project: PROCY Phase Z Date: 072021 Weather: 60s premast Logged By: 170	Attempt No.: Core Type: Intertion Field Staff:	tal Subtidal	Shoaling
Field Collection Coordinates: Lat/Northing: 197618,42 A. Water Depth DTM Depth Sounder: -16.62 ft, Height: -18.62 ft, Height	H4.94 WETK tick Stration	ts C. Mudline E	levation (ft MLLW)
Shoe Description: 51/1/5and, gray. Core Field Observations and Description:	Sediment type, moistur constituents, odor, she	re, color, minor mo en, layering, anoxio	difier, MAJOR modifier, other c layer, debris, plant matter, shells,
	biota		
Notes:			

Windward Project: LDW Accy Phase II Date: 7/19/21 Weather: 705, 509 Logged By: 100	Location ID: // Attempt No.: // Core Type(Interped Staff: En	75/2 Vertidal Shoaling
Field Collection Coordinates: Lat/Northing: 197 573. 69	Long/Easting:	1273278.28
DTM Depth Sounder: 10.8 ft DTM Lead Line: 11.3 ft So	water Level Measuren me: 1320 eight: 8.87 ource: UW RTK file shiften	Recovery Measurements (prior to cut
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 3.8 ft // 3. Headspace Measurement: 2./ ft 4. Field Recovery Depth: 2.9 ft 8 5. Field Recovery Percentage: 76.3 // 6. Core Accepted: (Yes) // No 7. Processing Recovery Depth: ft 6: 8. Adjusted Recovery Percentage: 73.8 Drive Notes:		Core Sections To Proce A: 0-45 cm B: C: D:
Shar Description:		
Shoe Description: See processing to		sisture, color, minor modifier, MAJOR modifier, other sheen, layering, anoxic layer, debris, plant matter, s
Core Field Observations and Description	biota	,
		r.
22		

•

Windward Sediment Core Collection Fo	orm Page 1 of 1
Project: POCH PMSCZ Date: OT 01.21 Weather: WOS ONEWAS Logged By: TDD Location ID: 51 Attempt No.: 1 Core Type: Intertic	dal Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 47.532068 A. Water Depth DTM Depth Sounder: W DTM Lead Line: 25,3 Pt. Core Collection Recovery Details: 1. Core Tube Length: 15 Pt. 2. Penetration Depth: 12.2 ft cm 3. Headspace Measurement: 4.6 4. Field Recovery Depth: 10.4 ft cm 5. Field Recovery Percentage: 85,2 6. Core Accepted: Yes! No 7. Processing Recovery Depth: 10.6 ft cm 8. Adjusted Recovery Percentage: 9,2 Drive Notes: ~ 3.25 Pre fail Verthrottle cary advance Flysless out ~ 8 ft and then advances to puntration depth Smooth semand	recovery Measurements (prior to cuts) Core Sections To Process: A: Sel Core B: Processing tom C: A - R D:
Shoe Description: Dilfy sand w/ minor amt of wood fragme Core Field Observations and Description: Sediment type, Moistur constituents, odor, she biota O-474-578-10710-10.4) Segments	re, color, minor modifier, MAJOR modifier, other een, layering, anoxic layer, debris, plant matter, shells
Notes:	

Windward Sediment Core Collection Form
Project: ADUL Physical Location ID: 5 4 Attempt No.: 1 Weather: The Format Shoaling Field Staff: TD, DD, TT, DB
Field Collection Coordinates: Lat/Northing: 47, 532206 Long/Easting: 122,319.008 Long/Easting: 122,319.008
A. Water Depth DTM Depth Sounder: M DTM Lead Line: - 24.3 P Height: 15.05 Source: DW PTC Tide Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 6. The fall 5. Field Recovery Percentage: 6. Core Accepted Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 6. The fall 5. Field Recovery Percentage: 6. Core Accepted Yes / No 7. Processing Recovery Percentage: 6. A L D: D:
Shoe Description:) It w/ med. Sand, plant debn's, SISAT H.S. at gray, wet. [Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description: Sediment type, mostaire, color, minor moduler, the debris, plant matter, shells, biota CO-UX 4-8X8-10.5)(10.5-10.9) 4 Segments
Notes:

 \bigcirc

Windward Sediment Core	e Collection Form
Project: AOC4 Phase 2 Date: 072024 Weather: 505 Branish	Location ID: 515 Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: TO GS RM
A. Water Depth DTM Depth Sounder: 16.93 ft Time: 06 Height: 1	Level Measurements C. Mudline Elevation (ft MLLW) 808 -18.03 05 ft DW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5, 0 ft 2. Penetration Depth: 3, 5 ft vl. 7 cm 3. Headspace Measurement: 1, 7 ft 4. Field Recovery Depth: 3, 3 ft cm 5. Field Recovery Percentage: 94,3 6. Core Accepted: Yes No 7. Processing Recovery Depth: ft vl. 5 cm 8. Adjusted Recovery Percentage: 95,1 Drive Notes:	Core Sections To Process: A: 0-60 cm Ste processive
Shoe Description: Silf Sand, dk gray	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	

Project: AOC4 Phase 2 Date: 017021 Weather: 50.5 previous Logged By: 170 Field Collection Coordinates: Lat/Northing: 197524.94 A. Water Depth DTM Depth Sounder-16.96 ft DTM Lead Line: -16.9 ft Core Collection Recovery Details: 1. Core Tube Length: 5, 0 ft 2. Penetration Depth: 3, 5 ft 106.7 cm 3. Headspace Measurement: 2, 0 ft 4. Field Recovery Depth: 3, 0 ft 6. Core Accepted: (18.91 No 7. Processing Recovery Depth: 5, 0 ft 8. Adjusted Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 6. Core Accepted: (18.91 No 7. Processing Recovery Percentage: 99.7 7. Core Sections To Process: A: O - GO Core B: Sections To Process: A: O - GO	Windward Sediment Core Collection Form			
Lat/Northing: 197524,94 A. Water Depth DTM Depth Sounder-14.95 ft DTM Lead Line: -16.5 ft B. Water Level Measurements C. Mucline Elevation (ft MLLW) Time: 0.94 ft Height: -0.81 ft Source: LDW RTK tide station Recovery Measurements (prior to cuts) Core Collection Recovery Details: 1. Core Tube Length: 5,0 ft 2. Penetration Depth: 3,0 ft 3. Headspace Measurement: 2,0 ct 4. Field Recovery Depth: 3,0 ft 5. Field Recovery Depth: 3,0 ft 6. Core Accepted: (4.8) / No 7. Processing Recovery Depth: 1,0 ft 7. Processing Recovery Percentage: (9.5) 7 8. Adjusted Recovery Percentage: (4.5) Drive Notes: Tyte Day 10 3.5 ft, no resistance. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota	Project: AOC4 Phase 2 Date: 07:2021 Weather: 505 prevents	Attempt No.: Core Type: Intertidal Subtidal Shoaling		
1. Core Tube Length: 5, 0 ft 2. Penetration Depth: 3, 5 ft 10, 7 cm 3. Headspace Measurement: 2, 0 & 4 4. Field Recovery Depth: 3, 0 ft cm 5. Field Recovery Percentage: 95. 7 6. Core Accepted: (Lest) No 7. Processing Recovery Depth: ft 4 B. Adjusted Recovery Percentage: 94, 2 Drive Notes: Tytle Control 3.5 ft, no resistance. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota	A. Water Depth DTM Depth Sounder: 16.98ft DTM Lead Line 5 16.5 ft Height: -	Level Measurements C. Mudline Elevation (ft MLLW)		
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota	Core Collection Recovery Details: 1. Core Tube Length: 5,0 ft 2. Penetration Depth: 3,5 ft 06,7 cm 3. Headspace Measurement: 2,0 ft 4. Field Recovery Depth: 3,0 ft cm 5. Field Recovery Percentage: 95,7 6. Core Accepted: (res) / No 7. Processing Recovery Depth: ft q0,0 cm 8. Adjusted Recovery Percentage: 94,3 Drive Notes:	Core Sections To Process: A: 0-60 cm B: 500 processing c: torm		
Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota	Shoe Description: gray silt w/ F. Sand	Sodiment type maisture color minor modifier MAJOR modifier, other		
Notes:	Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,		
Notes:				
	Notes:			

Windward Sediment Core Collection Form			
Project: AOCH PlastZ	Location ID: 51	7	
Date: 07-01-24 Weather: 100 Logged By: 100	Attempt No.: 1 Core Type: Intertion Field Staff:	dal Subtidal Shoali	ng
Field Collection Coordinates: Lat/Northing: 47.531972	Long/Easting: 17	2.318575	
DTM Depth Sounder: Time: 19 DTM Lead Line: -72.8. Height: Source:	6.02 H.	ts C. Mudline Elevatio ール・ラダ Recovery Measurem	
Core Collection Recovery Details: 1. Core Tube Length: 15.A 2. Penetration Depth: 11.5 ft cm 3. Headspace Measurement: 5.A 4. Field Recovery Depth: 9.6 ft cm 5. Field Recovery Percentage: 83.5 6. Core Accepted: Yes No 7. Processing Recovery Depth: 9.4 ft cm 8. Adjusted Recovery Percentage: 93.5 Drive Notes: State of Freefall Stendy drive to percentage dependent of the percentage d		A: •	e Sections To Process: Sel Core Top Signing A-K
Shoe Description: dk med. sand.			
Core Field Observations and Description:	Sediment type, moistur constituents, odor, she biota	re, color, minor modifier, MA en, layering, anoxic layer, d	JOR modifier, other ebris, plant matter, shells,
(0 4) 4 3/8 9-2 /9.2 -9.6)	- Mr	D	
(0-46)46-9,2)(9,2-9.6)	3 Sigments		
		3	
N-4			
Notes:			
Notes.			
Notes.			

 \cdot

Windward Sediment Core	e Collectio	n Form	Pageof
Project: LDW-ACC4-Phase II Date: 7.6.2021 Weather: party cloudy, 70s Logged By: Sp	Attempt No.: Core Type: Field Staff:		Description of the second of t
DTM Depth Sounder: 4.19 ft. DTM Lead Line: 4.1 ft. Time: 1 Height:	205 2.79 ft LDW RTK tide Station	Recovery	ne Elevation (ft MLLW) 3 C+ MLW Measurements (prior to cuts) Core Sections To Process: A: 0~45cm B: C: D:
Shoe Description:			
Core Field Observations and Description:	Sediment type, constituents, od biota	moisture, color, mino or, sheen, layering, a	or modifier, MAJOR modifier, other anoxic layer, debris, plant matter, shells
Notes: Target location on armored slape, About 9.5 ft from target.	moved offsh	none to closes	st Samplable area.

Windward Sedimer	nt Core Collection Form	Page of
Project: ANU physic 2 Date: 07.08 DT Weather: 1005 Grenast, wind Logged By: To	Location ID: 510 Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: 10 DD 11	
Field Collection Coordinates: Lat/Northing: 44・531610	Long/Easting: 122. 318 682	No. of
DTM Depth Sounder: NA T	Source: Low Property Recovery Measurements (p. 1917)	
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. The Core Notes: 9. The Cor	cm cm cm 1 4 B: A	ons To Process:
Shoe Description: Sandy silt		
Core Field Observations and Description (りつな)(サーちい)(ちょういち) 3 Sagment	Sediment type, moisture, color, minor modifier, MAJOR m constituents, odor, sheen, layering, anoxic layer, debris, p biota	odifier, other lant matter, shells,
Notes:		

Windward ward	Sediment Core Collection F	orm Page 2 of 2
Project: AU LI PWSLZ Date: 07-02-21 Weather: 605 DAM 65 Logged By: TD0	Attempt No.: 2	tidal Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 47.63	707 Long/Easting:	172.318550
A. Water Depth DTM Depth Sounder:フス・ロ DTM Lead Line: トム	Height: +4.62 ft. Source: LDW RTK +de	nts C. Mudline Elevation (ft MLLW) ——————————————————————————————————
2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percenta Drive Notes: 5 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	of the cm be to the cm get of	Core Sections To Process A: See Process Ma B: Core form C: A T D:
Shoe Description: Sandy	J	
Core Field Observations and	Description: constituents, odor, sh	ture, color, minor modifier, MAJOR modifier, other neen, layering, anoxic layer, debris, plant matter, she
Stopper Set	@ 10ft.	
Notes:		(1)

	Windward Sediment Core Collection Form
\cap	Project: ACC 4 Phase 2 Date: D7-52:21 Weather: LOS TOWN AST Logged By: TOO Logged Start TD, DD, TT, DB
	Field Collection Coordinates: Lat/Northing: 47.531697 Long/Easting: 122.318076
	A. Water Depth DTM Depth Sounder 223 P1 DTM Lead Line: -22 6 DTM Lead Line: -22 6 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 09 10 Height: +5.42 Source: 120 212 Recovery Measurements (prior to cuts)
	Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9
0	Drive Notes: S. Adjusted Recovery Percentage. Descriptions Drive Notes: Au Standard Annu to ~9.10 ft. Then quite penetration for last bit to pen depth.
	slow, stady retrieval
	Shoe Description: Sight silty fine send.
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	Notes: Stopper at 12-ft

Windward Sediment Core	e Collection Form
AOC4 Phase 2	
Project:	Attempt No.: \
Date: 07-20-21	Core Type: Intertidal Subtidal Shoaling
Weather: 505 overcust	Field Staff: TD & RM
Logged By: TX	Fleid Stall. D E D D V
A. Water Depth B. Water I	Level Measurements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder-17.05t Time: 0	824 -17.83
DTM Lead Line: () () 7 ft Height: -	1.13 ft
Source: L	DW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 0 ft 2. Penetration Depth: 3.5 ft V C C 3. Headspace Measurement: 2 0 ft 4. Field Recovery Depth: 3 0 ft cm 5. Field Recovery Percentage: 95 7 6. Core Accepted Yes / No 7. Processing Recovery Depth: ft 12.5 cm 8. Adjusted Recovery Percentage: V T Drive Notes: Free dance w/w resistance	Core Sections To Process: A: 0-60 cm See processing
Shoe Description: Silt w/send, avan	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes	
Notes:	

Project: AOC4 Phase 2 Date: 072021 Weather: 505 000000000000000000000000000000000	Location ID: 523 Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: 10 +5 pm Long/Easting: 12 + 364), 37 Level Measurements C. Mudline Elevation (ft MLLW) 837 - 16.65 DW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5.0 ft 2. Penetration Depth: 3.5 ft low-tem 3. Headspace Measurement: 1.9 ft 4. Field Recovery Depth: 3.1 ft cm 5. Field Recovery Percentage: 9.8 6 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 95 cm 8. Adjusted Recovery Percentage: 97.0 Drive Notes:	Core Sections To Process: A: 0 - 60 cm Su processing
Shoe Description:	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
)
Notes:	

Windward Sediment Con	e Collection I	Form	Page <u> </u>
Project: COW Accy Phase II Date: 7/15/21 Weather: 68s, partry synny Logged By: Km	Attempt No.: 1 Core Type: Inte	rtidal (Subtidal)	
DTM Depth Sounder: 16,4 ft DTM Lead Line: 16,9 ft Source: 2	0.72 ft DW RTK estation	ents C. Mudline E <u>– /6, 2 <i>F4</i></u>	levation (ft MLLW) (MCLU) assurements (prior to cuts) Core Sections To Process: A: O-60 cm B: Lee processing C: Dim D:
Shoe Description: 5'ee processing log Core Field Observations and Description:	Sediment type, mois constituents, odor, s biota	sture, color, minor mod sheen, layering, anoxid	difier, MAJOR modifier, other c layer, debris, plant matter, shells
Notes:			3
About 5.3 ft from target	y)	

Windward Sediment Cor	e Collection	ı Form	Page /_ of /
Project: LOW ADCY Phase 11 Date: 7/15/21 Weather: Els, mostry cloudy		SC525 Intertidal Subtidal Sign, RM, ES	
DTM Depth Sounder: 14.3 ft DTM Lead Line: 15.4 ft Source: L	Long/Easting: Level Measure 125 1.18 ff LON RTIL Folo Station	12737/8. \$9 ments C. Mudline Elev - 14.2 ft Recovery Measu	rements (prior to cuts) Core Sections To Process:
5. Field Recovery Percentage: 97.6. 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 129 cn 8. Adjusted Recovery Percentage: 96.9% Drive Notes:		1 4	A: 0-60 CM B: C:
Shoe Description: See processing log Core Field Observations and Description:	Sediment type, n constituents, odd biota	noisture, color, minor modifierr, sheen, layering, anoxic lay	r, MAJOR modifier, other er, debris, plant matter, shells,
Notes: About 5.2 ft From target			

Windward Sediment Core Collection Form
Project: AOC4 Phase 2 Date: 7:22 2021 Weather: Suny 60s Logged By: S. Replayer Logged Field Staff: SR ES PM
Field Collection Coordinates: Lat/Northing: 1973 .89 A. Water Depth DTM Depth Sounder: 5,27 ft DTM Lead Line: 15.2 ft Source: LDW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft ft 2. Penetration Depth: 3.5 ft ft 106.7 cm 3. Headspace Measurement: 2.25 ft 4. Field Recovery Depth: 2.75 ft 83.3 cm 5. Field Recovery Percentage: 78.6 % 6. Core Accepted: (res) / No 7. Processing Recovery Depth: ft 82 cm 8. Adjusted Recovery Percentage: 76.9 Drive Notes: freaty draw, to 22ft then Sight resistance to target.
Shoe Description: See processing log
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota
Notes: About 1.9 ft from target.

-

Windward	Sediment Core Collection F	Form Page 3 of 2
Project: AOCH Phase 2 Date: Desc. 07.02.21 Weather: 605 preseast Logged By: Too	Location ID: 67 Attempt No.: 3 Core Type: Inter	tidal Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 47,53133 A. Water Depth DTM Depth Sounder 23,9 F		22,317502 ents C. Mudline Elevation (ft MLLW) ib.34
Core Collection Recovery Deta 1. Core Tube Length: 15.4 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage:	Source: In lette file Section ils: Oft cm H ft cm	Recovery Measurements (prior to cuts) Core Sections To Process A: See Core
6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentag Drive Notes:	1.2 ft cm 2:85.5 1 to pen depth	1 4 BPNULSSING FORM C: D. A-K
easy steady retu	ert.Q.	
Shoe Description: dank 5	ay silt/Csand	8
Core Field Observations and D		ture, color, minor modifier, MAJOR modifier, other heen, layering, anoxic layer, debris, plant matter, sh
(0-45)(45-9)(7-9.4) 3 segment	5
	,	764
		*
11		
Notes: Stopper set at	11.0	
<u> </u>		

Windward Sediment Core	e Collection Form
Project: LOW AOCY Phase II Date: 7/15/21 Weather: GDs, portly sunay Logged By: KM	Attempt No.: 1 Core Type: Intertidal (Subtidal) Shoaling Field Staff: KM, RM, ES
DTM Depth Sounder: 17.2 ft DTM Lead Line: 17.3 ft Source: 1	Recovery Measurements (prior to cuts) Core Sections To Process: A: 0-60 cm
Shoe Description: See processing notes	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shell biota
Notes: About 3.7 A from target	
1 9601 311 11 971/10 10 961	

W	/ind ward Sediment Core Collection Form
Dat Wea	ject: AOCH Phase2 e: 07-14-21 ather: 705 sunny jged By: 700 DD T
Lat/ A. V DTM	Long/Easting: 122 317380 Northing: 47.530819 Long/Easting: 122 317380 Nater Depth M Depth Sounder: N/A Time: 1529 Height: +0.0164 Northing: 47.530819 Long/Easting: 122 317380 Northin
1. C 2. F 3. H 4. F 5. F 6. C 7. F 8. A	Source: The Length: Core Tube Length: Penetration Depth: Recovery Depth: Recov
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota (0 - 4.0)(4-0 - 5.8)(5.8-6.2) 3 Segments
Not	tes:
η .	

Windward Sediment Core C	Collection Form Page 2 of 2
AOCA Phase 2	
Project:	tempt No.: 2
C.	ore Type: Intertidal (Subtidal Shoaling
	eld Staff: SIR IZM ES
Logged by. 5. Japhnacr	
Field Collection Coordinates:	
	ng/Easting: 1273880:77
3 11-21	
	vel Measurements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder: 14.98 ft Time: 104	
DTM Lead Line: 15 ft Height: -2.3	54 ft
Source: LDV	VRTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details:	† (m)
1. Core Tube Length: 5 ft ft	3
2. Penetration Depth: 4+ ft 121,4 cm	
3. Headspace Measurement: 1,9 ft	Core Sections To Process:
4. Field Recovery Depth: 3.1 ft ft 94.5 cm	
5. Field Recovery Percentage: 71.5%	A: 0-60 am
6. Core Accepted: (Yes.) No	A: 0-60 cm B: Suprocussing
7. Processing Recovery Depth: ft 94 cm	1 4 5. 300 100
8. Adjusted Recovery Percentage: 47.1	
Drive Notes:	
freely drove to target penetration	
0	D;
	and the second s
Shoe Description: See processing lug	
	Av.
Se	diment type, moisture, color, minor modifier, MAJOR modifier, other
OOIC ICIG OBOO! Valiono and December	nstituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,
Dic	ota Control of the Co
`	
Notes:	
About 3 ft from target	
0	

Windward Sedime	nt Core Collection Fo	orm	Page \of
Project: ACCH Phu & Z Date: 07.02.21 Weather: 60s overcast Logged By: 100	Attempt No.: 1 Core Type: Intertic	dal (Subtida) Shoalir	
Field Collection Coordinates: Lat/Northing: 47.530891	Long/Easting: ~\2	2.316858	
DTM Lead Line: ~ 2 44 Dt	B. Water Level Measurement Time: 1337 Height: +7-50 ft de Source: VDW RTZ fide	ts C. Mudline Elevation -) 7.22 Recovery Measurement	
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Yes No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 98 Drive Notes: 3. A. Fracfall 1. A. Harthle, easy advantage: Plan Repth. 1. Core Tube Length: 2. Core Tube Length: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 7. Processing Recovery Percentage: 8. Core Accepted Yes No 9. Core Accepted Yes	cm cm		Sections To Process: Le Core To USSING John A-I
Shoe Description: CK gay sandy	Sediment type, moistur	re, color, minor modifier, MA.	JOR modifier, other
Core Field Observations and Descriptio	constituents, odor, she biota	en, layering, anoxic layer, de	bris, plant matter, shells,
Notes: Stopper set at 10 A	7		

Windward Sediment Core Collection Form
Project: ADCLI PMSCZ Date: 07.07.21 Weather: 70.5 cartly Cloudy Logged By: 1700 Logged Staff: 70, PP, TI, DB
Field Collection Coordinates: Lat/Northing: 47,530719 Long/Easting: 172,316551 A. Water Depth DTM Depth Sounder: 47 DTM Lead Line: - 2454 Height: 47.144 Source: 1000 271554 Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 5. Field Recovery Percentage: 6. Core Accepted: 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. Five Notes: 1. A Soo Dibussing B: Core Sections To Process: A Soo Dibussing B: Core Sections To Process: A Soo Dibussing Core Sections To Process: A Soo Dibussing Core Sections To Process: A Soo Dibussing B: Core Sections To Process: A Soo Dibussing Core Sections To Process: A Soo Dibussing B: Core Sections To Process: A Soo Dibussing B
Shoe Description: Mb/St discovering sughts sandy Sity class Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
3 signents
Notes: Stopper set at 10 ft.

17.

:*	Windward Sediment Core Collection Form
\cap	Project: AOCH Phase 2 Date: 07.02.2i Weather: WOS ARMAST Location ID: 533 Attempt No.: Core Type: Intertidal Subtidal Shoaling
	Field Collection Coordinates: Lat/Northing: A7.530550 A. Water Depth DTM Depth Sounder: A. DTM Lead Line: 75.0 (ft. Source: DW RTF Like Source: D
· •	2. Penetration Depth: 3. Headspace Measurement: 5. Lo 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 92. 20 Drive Notes: 3. P. of free fall 5. Depth Surface 1. He with the higher depth. 2. P. of full pen. depth.
5	Shoe Description: Soft moist, sandy day-sit.
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	(0-4,5)(4,5-9,0) (9,0-9,4) 3 segments
	Notes: Stopper set at 11 9.

	Windward Sediment Core Collection Form
	Project: PDC 4 PM & Z Date: 07-07-70 Weather: +05 overcast pHyclorida Logged By: 100 Logge
	Field Collection Coordinates: Lat/Northing: 47,530324 Long/Easting: 122,315919
	A. Water Depth DTM Depth Sounder: 73 \ ft. DTM Lead Line: NA B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: Core Sections To Process:
	4. Field Recovery Depth: 5/5 ft cm 5. Field Recovery Percentage: 5/5 D 6. Core Accepted: Yes / No 7. Processing Recovery Depth: \$\infty\$ ft cm B: Love Firm
	8. Adjusted Recovery Percentage: 19. Ce Drive Notes: 25 of free Call Slow duve to penetration depoth D:
0	easy octrieval.
	Shoe Description: Sily fine sud.
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	(0-4)(4-81)(8:1-85) 3 symmets
	Notes: Stopper Set at 10 ft

Windward Sediment Co	Windward Sediment Core Collection Form					
Project: AOCH PhaseZ Date: 07-08-24 Weather: 605 Acres Logged By: 70	Location ID: 53-5 Attempt No.: 2 Core Type: Intertidal Subtidal Shoaling Field Staff: 70 00 71					
Field Collection Coordinates:	Long/Easting: 122, 315545					
DTM Depth Sounder: 20.4 A Time: DTM Lead Line: NA Height:	Recovery Measurements (prior to cuts)					
3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 7. Adjusted Recovery Percentage: 8. Adjusted Recovery Percentage: 90. O Drive Notes: 9,24 fru fail	Core Sections To Process: A: Soe processing B: Loy C: A-4					
Shoe Description: Sandy Silt	Sediment type, moisture, color, minor modifier, MAJOR modifier, other					
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota					
	e					
Notes: Penutrafi L - 24-6 MU	LW)					

e) <u>26</u>

environmental	e Collection Form
	Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: TD ES RM
A. Water Depth DTM Depth Sounder: 16 16 ft DTM Lead Line 16 5 ft Height: 6	Level Measurements C. Mudline Elevation (ft MLLW) 123 0.55 ft DW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5, D ft 2. Penetration Depth: 3,5 ft 106.7 cm 3. Headspace Measurement: 2,3 ft. 4. Field Recovery Depth: 2,7 ft cm 5. Field Recovery Percentage: 7,7 ft. 6. Core Accepted: Yes/ No 7. Processing Recovery Depth: ft 69.5 cm 8. Adjusted Recovery Percentage: 63,9 Drive Notes: The dave to pen depth No resistance	Core Sections To Process: A: 0 - 6 Ocm Suppressing
Shoe Description: Silt, gray	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	

Windward	Sediment Core Co	ollection For	m	Page 2 of 2	
Project: MOCH Phase2 Date: GA 1524 Weather: 605 over Logged By: 100	Atte Cor	Location ID: 5334 Attempt No.: 2 Core Type: Intertidal Subtidal Shoaling Field Staff: TD DD TT			
Field Collection Coordinates Lat/Northing: 47, 529		g/Easting: 12Z	3 523		
A. Water Depth DTM Depth Sounder: 19.2 DTM Lead Line: (wrent)	B. Water Leve Time: 1408 Height: +1,5	Measurements	-17.68	rements (prior to cuts)	
Core Collection Recovery De 1. Core Tube Length: 8. C 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes No 7. Processing Recovery Depth: 8. Adjusted Recovery Percenta Drive Notes:	tails:		1 4 <u>B</u> <u>C</u>	A→F	
	Sthough from 4.5				
Since Description.). Sedi	ment type, moisture,	color, minor modifier	MAJOR modifier, other	
Core Field Observations and $(0-3.0)(3.0-6)$	Description: cons biota		layering, anoxic laye	er, debris, plant matter, she	
Notes:					

	Windward Sediment Core	Collection Form
	Date: 67(52) Weather: 705 500	Attempt No.: 3 Core Type: Intertidal Subtidal Shoaling Field Staff: 70 DD TT
	A. Water Depth DTM Depth Sounder: 20.3 & Time: 16 DTM Lead Line: 21.2 Height:	Long/Easting: 122, 314-915 Level Measurements C. Mudline Elevation (ft MLLW) - 19.86 H1.34 (ft.) Recovery Measurements (prior to cuts)
	Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 95. Field Recovery Percentage: 95. Field Recovery Percentage: 95. Field Recovery Percentage: 95. Field Recovery Percentage:	Core Sections To Process: A: Sel processing B: Vy (A-F) C: D:
	Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota 3 Segments.
6 1	Notes: MSVOD 16 FT @ 206 7	

Windward	Sediment Core Collection	Page	of
Project: Accy Phase Date: OFILIZI Weather: (POS Drew Logged By: TOO	Attempt No.:	539 2 ntertidal Shoaling	
Penetration Depth: Headspace Measurement:	B. Water Level Measure Time: 1545 Height: +2.36 A Source: WW RIK the Skutton etails: 1,0 ft 213,4cm 2,7		
4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes I No 7. Processing Recovery Depth 8. Adjusted Recovery Percenta Drive Notes: add collar 1.0 ft frugul	n: 5.0 ft 50 cm rage: 70.24 rto fives	1 4 B: 10 A: 50 Prod B: 10 A: 50 Prod C: D:	F)
Shoe Description: emp	X	moisture, color, minor modifier, MAJOR modifier, o	other
Core Field Observations and	d Description: constituents, odo biota	or, sheen, layering, anoxic layer, debris, plant matt	ter, s
		* 0	
Notes:			

Windward Sediment Core	e Collection Form
Project: LDW Acc4 - Phase II Date: 7-22-2021 Weather: Sunny, 60s Logged By: SR	Attempt No.: \ Core Type: Intertidal Subtidal) Shoaling Field Staff: SR, RM ES
Field Collection Coordinates: Lat/Northing: 196650.31	Long/Easting: 1274476.66
DTM Depth Sounder: 16.69 DTM Lead Line: 17.0 ft Height:	Level Measurements C. Mudline Elevation (ft MLLW) 1058 -18.8 ft MLLW -18.8 ft MLLW Recovery Measurements (prior to cuts)
1. Core Tube Length: 5 ft 2. Penetration Depth: 4 ft ft 2 9 cm 3. Headspace Measurement: 4. Field Recovery Depth: 3.2 ft ft 97.5 cm 5. Field Recovery Percentage: 80.0 ° 10 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 94.5 cm 8. Adjusted Recovery Percentage: 77.5 % Drive Notes: frely drive to ~3 ft. encontered resistance from 3 ft.	Core Sections To Process: A: 0-60 cm B: See process to 1 C:
Shoe Description: See processing log	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	
About 3.9 ft from target.	

Windward Sediment Co	ore Collection Form
Project: LDW ACCA - Phase II Date: 7. 6. 2021 Weather: Overcast, 708 Logged By: SP	Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: SIZ, RM, ES
DTM Depth Sounder: 5.9 ft Time: DTM Lead Line: 6.0 ft Height:	
Core Collection Recovery Details: 1. Core Tube Length: 5 + . 2. Penetration Depth: 3 + ft 91.4 3. Headspace Measurement: 2.55 + .	Core Sections To Process: A: 0-45cm B: C:
Shoe Description: SU P(0055,\\\0) Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes: About 3.2 ft. from trange	Å.

Wind ward	Sediment Cor	e Collection Form	n	Page of
Project: AOCH Phuse Date: 07-06, 21 Weather: 606, 50000 Logged By:	-	Attempt No.: \ Core Type: Intertidal Field Staff:		noaling
Field Collection Coordinate Lat/Northing: 47-529	150	Long/Easting: 122		
A. Water Depth DTM Depth Sounder: PA DTM Lead Line: - 6.8 Pt.	Time: 12		TR-35	-3,49
1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage	8 CH . 2.7 5.3 ft cn		3	Core Sections To Process:
6. Core Accepted Yes / No. 7. Processing Recovery Dept. 8. Adjusted Recovery Percer. Drive Notes:	h: 4.1 ft cn			(A to F)
	t 6.2 ft. at 7.0 pt.	refisal.		
Shoe Description: Rock				
Core Field Observations ar	d Description:	biota	color, minor modifier layering, anoxic lay	r, MAJOR modifier, other er, debris, plant matter, shells
(0-4)(4-4.9)(4400) 0 Sc	gments.		
7				
Notes:				

Windward Sedim	ent Core Collection Form	e <u> </u> of _
Project: ACCA Phase2 Date: 071621 Weather: 605 traces Logged By: TDo	Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: TD PD TT	
Field Collection Coordinates: Lat/Northing: 47, 570973 W A. Water Depth DTM Depth Sounder: PA DTM Lead Line: 5, 0 4.	B. Water Level Measurements C. Mudline Elevation (ft MLLV Time: 1220 — 0.07 Height: +4.93 Source: Low ETC Fide: Recovery Measurements (prior	
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Les No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Drive Notes: Die ft freefent /// Hurettle to Isfl.	cm Core Sections T	
Shoe Description: empty	Sediment type, moisture, color, minor modifier, MAJOR modifier	er, other
Core Field Observations and Descripti	The state of the s	natter, she
Notes: OC farget CE OV per BRA.	9° 785-	

Windward Sediment Core Collection Form
Project: AOC4 Phase 2 Date: OTO 21 Weather: Logged By: The Core Type: Intertidal Subtidal Shoaling Field Staff: The Core Type: Intertidal Subtidal Shoaling Shoalin
Field Collection Coordinates: Lat/Northing: 196557.92 Long/Easting: 1274544.53 A. Water Depth DTM Depth Sounder: 1669 ft DTM Lead Line: 16.0 ft Source: LDW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted (Yes.) No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. Core 1 4 Core Sections To Process: A: O-GOM Sex processive B: C: D:
Shoe Description:
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota Shooting material -155 to 1776 OS Shooting material - OK to accept per Kathy Suise
Notes: NO CH off target due to bridge strature/finder voils & pilings. Probed area, and no snallower depths reachable by vessel in area.

Windward S	ediment Core Collection F	orm Page 2 of 2
Project: AOCH PhaseZ Date: B-POL21 Weather: 1005 overnast Logged By: TDO	Location ID: 54 Attempt No.: Z Core Type: Intert	
Field Collection Coordinates: Lat/Northing: 47-52895	Long/Easting:	22.313896
A. Water Depth DTM Depth Sounder: 22.5 64.	B. Water Level Measuremen Time: 6931 Height: #7:31 ft. Source: DDW RTK + 100	nts C. Mudline Elevation (ft MLLW) - ら、の 任。 Recovery Measurements (prior to cuts)
4. Field Recovery Depth: 12 5. Field Recovery Percentage: 6. Core Accepted Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Drive Notes: 77.75 ft frufail 72 fait throttle, (146) 8 full fe throttle, son	station ft cm gration grati	Core Sections To Process: A: Sell B: process na fix c: A-M D:
Shoe Description: Authoray	Vir.	
Core Field Observations and De	Sediment type, moisti	ure, color, minor modifier, MAJOR modifier, other neen, layering, anoxic layer, debris, plant matter, shells
Shool material - Non (0-4)(4-8)(5-11	・ biota	signuts.
Notes:		

Windward Sediment Core Collection Form
Project: AOC4 Phase 2 Date: 7. 22.2021 Weather: Sunny, 70s Logged By: Speppinger Location ID: SC 550 Attempt No.: 8 Core Type: Intertidal (Subtidal) Shoaling Field Staff: 52, TD, 2M, ES
Field Collection Coordinates: Lat/Northing: 196589.98 Long/Easting: 1274575.1 A. Water Depth DTM Depth Sounder: 33.12 ft DTM Lead Line: NA ft B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1657 — 21.6 ft MLLW Height: 11.52 ft Source: LDW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 12 ft 2. Penetration Depth: 4 ft ft 121,9 cm 3. Headspace Measurement: 2.1 ft 4. Field Recovery Depth: 2.9 ft ft \$6,39 cm 5. Field Recovery Percentage: 72.5% 6. Core Accepted: Yes) No 7. Processing Recovery Depth: ft \$6,00 ft \$6.00 ft \$6.
Shoe Description: See processing log. Core Field Observations and Description: On processing barge description that bottom 13 cm of core was empty. Shipped at this paragraph correction based on first massed at the paragraph of 88 cm (72.246). Notes:
About 7.3 ft from target.

Wind ward Sediment Core	e Collection Form
Project: AOC4 Phase 2 Date: 7.22.2021 Weather: 5.704.705 Logged By: 5.724.705 Field Collection Coordinates:	Location ID: SC55 Attempt No.: 2 Core Type: Intertidal Subtidal Shoaling Field Staff: SRTD RM ES
A. Water Depth DTM Depth Sounder: 29,42ft DTM Lead Line: No. ft Height: 9	
Core Collection Recovery Details: 1. Core Tube Length: 5 ft. ft 2. Penetration Depth: 4 ft ft 12].9 cm 3. Headspace Measurement: 1.35 ft 4. Field Recovery Depth: 3.65 ft 11].3 cm 5. Field Recovery Percentage: 91.3% 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 112 cm 8. Adjusted Recovery Percentage: 91.9 Drive Notes: - Greely draw to target penetrahox - Strong current	Core Sections To Process: A: 0-60cm B: Selections To Process: A: 0-60cm C:
Shoe Description: See Processing Vac	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shel
COIC FIELD ODSCITATIONS and DOGOTPHONIC	biota
Notes: About 3.9 ft from target	
U	

Windward Sediment Core Collection Form	Page of
Project: AOC4 PWS7 Date: 777 0924 Weather: 6005 Sunny Logged By: Too Subtidal Show Field Staff: To Do Too	aling
Field Collection Coordinates: Lat/Northing: 47,529 220 Long/Easting: 122.313814	·
A. Water Depth DTM Depth Sounder: -19.3 DTM Lead Line: M/A trowner Current. B. Water Level Measurements C. Mudline Elevation Time: 1078 Height: -0.7 H Source: Div etc. hdc Recovery Measurements Recovery Measurements	ion (ft MLLW) ments (prior to cuts)
4. Field Recovery Depth: 5.4 ft cm	AJOR modifier, other debris, plant matter, shells,
Notes:	
MOVED 9FT & 141 T FROM SKILL DAY TARGET	

*

Project: ADCH Phuse? Date: D. Da.21 Weather: Logged By: Too Field Collection Coordinates: Lat/Northing: A7.579 D31 A. Water Depth DTM Depth Sounder The Atlanta Source: DTM Lead Line: - 17.57 DTM Lead Line: - 17.57 Sediment Core Contection Form Page of Attempt No.: Core Type: Intertidal Sobtidal Shoaling Field Staff: TD, D. T. Long/Easting: 17.313AST B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 117 Height: -1,57 Height: -1,57 Source: DW Page of Attempt No.: Recovery Measurements (prior to cuts)
A. Water Depth DTM Depth Sounder 16.7 FB DTM Lead Line: 17.52 FB DTM Lead Line: 17.52 FB Height: 1.52 FB
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes // No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 93,075 Drive Notes: 7.7 Pt Fufall easy Inve // Athortle to Easy Inve // Athortle to D:
Shoe Description: 1/2 fix 1/2 m. sand Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sh
Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sr biota
Notes:

Windward Sediment Co	ore Collection Form
Project: ADCY Physic Z Date: 67 1721 Weather: FOS Sunny , wind Logged By: Too	Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: 10 10 17
Field Collection Coordinates: Lat/Northing: 47, 528569	Long/Easting: 122,313169
DTM Depth Sounder: PA Time: DTM Lead Line: -\D.3 CF Height:	1 7
3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9	Core Sections To Process: A: See Pluss va B: Core Sections To Process: A: See Pluss va B: Core Sections To Process: A: See Pluss va B: Core Sections To Process: A: See Pluss va B: Core Sections To Process:
Shoe Description: Shoe full, sendy s	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota
(0-4)(4-6.1)(6.1-6.5)	3 Signesuly
4	
Notes:	5
1	
· · · · · · · · · · · · · · · · · · ·	

	Windward Sediment Core Collection Form	
	Project: ANU Phas 2 Date: pb. 24.2 Weather: 705 sunny Logged By: 100 Location ID: 559 Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: 100 D, T, DB	
	Field Collection Coordinates: Lat/Northing: 47.528.342 Long/Easting: 122.312907	
0,	A. Water Depth DTM Depth Sounder: DTM Lead Line:	g
	Shoe Description: Sawly material	
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota Shipping maderial -9.54 to -15 ft MLW (5.46f/166.4cm) (0-4)(4-5)(6-12)(12-16-4) (16.4-16.6) 5 Segments	ŝN
	Notes:	

Windward Sediment	Core Collection Fo	orm	Page 1 of 1
Project: ADC4 PMSC 2 Date: 06.20.21 Weather: SUNKY 705 Logged By: 1.00	Attempt No.: 1 Core Type (Intertie	dal Subtidal Shoa o Dickinson. D. Browning	ling
Field Collection Coordinates: Lat/Northing: 47.527 226	Long/Easting: 17		
DTM Depth Sounder: NA Tin DTM Lead Line: - 12.5 Ct So	Water Level Measurement me: 0939 hight: 9.56 ft- hurce: ETK fide statem LDW	-2.94 pt,	9
Core Collection Recovery Details: 1. Core Tube Length: 20 ft. 2. Penetration Depth: 1 ft. 3. Headspace Measurement: 10.9 4. Field Recovery Depth: 9.1 ft. 5. Field Recovery Percentage: 82.0 6. Core Accepted: Yes / No / N			Suproussing A-T
Shoe Description: Clay in nose		ire, color, minor modifier, N	MAJOR modifier, other debris, plant matter, shells
Core Field Observations and Description:	biota	een, layeniig, alloxic layer,	debris, plant meter, even
•			
Notes:			
1.			

Windward Sediment Core Collection Form		
Broject: AOC4 Phase 2	Location ID: SC561	
Date: 7.22.2021	Attempt No.:	
Weather: 5009 60s	Core Type: Intertidal Subtidal Shoaling	
Logged By: S. Pepinger	Field Staff: SR ES, RM	
ssy		
Field Collection Coordinates:		
Lat/Northing: 196063.62	Long/Easting: \275248.71	
	A SA III EL CALCO (FA MILLIAN)	
	Level Measurements C. Mudline Elevation (ft MLLW)	
	1009 -17.75 Ft MLLW	
DTM Lead Line: 15.4 ft Height:	-2.34 ft	
Source: [DW RTK tide station Recovery Measurements (prior to cuts)	
Core Collection Recovery Details:	† [m]	
1. Core Tube Length: 5 ft ft	3	
2. Penetration Depth: 3 4.Fr ft 121.9 cm	n T	
3. Headspace Measurement: 1.7 ft	Core Sections To Process:	
4. Field Recovery Depth: 3.3 ft ft 100.6 cm		
5. Field Recovery Percentage: 82.5 %	<u>A: 0-604m</u>	
6. Core Accepted: (Yes) / No	B: Sa processing	
7. Processing Recovery Depth: ft 49 cm	<u>n</u> 1 4 <u>B: 30 pression</u>	
8. Adjusted Recovery Percentage: 81, 2 90		
Drive Notes:		
freely draw to target penebrat	non.	
	• 🕶	
Olivia Decembricano de la compansión de		
Shoe Description: See pressing ling		
0.0	Sediment type, moisture, color, minor modifier, MAJOR modifier, other	
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,	
	biota	
Neders		
Notes:		
About 5 ft from terreget location.		
0		

Windward Sediment Core Col	llection Form
Date: 07 13 21 Attent	npt No.: Type: Intertidal Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 41.527582 Long/	/Easting: 122,31149 D
A. Water Depth DTM Depth Sounder: DTM Lead Line: -1 10,7	Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. 6 Core Notes: 5 A freefant Casy duve to full pene	Core Sections To Process: A. See proussy B. Ivy C: D:
Shoe Description: Full, black, wet sand si	
Core Field Observations and Description: Sedim constitution Shouling malenal - 11.41 to -1 (0-40 ft)(4.0-5.8 ft)(5.8	V
No.	
Notes:	

) choramenta	ment Core Collection Form	Page Z of
Project: AOCU Phy xZ Date: 07:024 Weather: 605 overest Logged By: TDO	Attempt No.: 2 Core Type: Intertidal Subtidal Shoaling Field Staff:	5 5 5
Field Collection Coordinates: Lat/Northing: 195946.67 A. Water Depth	Long/Easting: 1275294,78 B. Water Level Measurements C. Mudline Elevation (ft	- MLLW)
DTM Depth Sounder: 16.49 DTM Lead Line: 16.44	Time: 1048 Height: +1.83.f4 Source: Utw PTV Ficte Station Recovery Measurements	- (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Drive Notes:	ft cm ft gy cm 1 4 c: See	tions To Proces 13.1 (1-103.1 processin
Shoe Description: Sill, gray,	Sediment type, moisture, color, minor modifier, MAJOR r	nodifier, other
Core Field Observations and Descrip	ption: constituents, odor, sheen, layering, anoxic layer, debris, biota	olant matter, sh
Sheating material	-14.57 to -15.0 ft MLW =	
Notes:		
	*	

15.

Windward Sedime	ent Core Collection Form
Project: ADC 4 Phase Z Date: 010.24.21 Weather: 50° Sun Y Logged By: Do	Location ID: 564 Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: 1D, DD, TT, DB
Field Collection Coordinates: Lat/Northing: 47.527411	Long/Easting: 177, 311290
A. Water Depth DTM Depth Sounder: P/A DTM Lead Line: 11.5 Pt.	B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1324 Height: 2.2 Gt Source: Low RTR Recovery Measurements (prior to cu
Core Collection Recovery Details: 1. Core Tube Length: 20 ft. 2. Penetration Depth: 18.5 ft. 3. Headspace Measurement: 4.7 4. Field Recovery Depth: 16.3 ft. 5. Field Recovery Percentage: 82.7 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 14.8 ft. 8. Adjusted Recovery Percentage: 80 Drive Notes: 3.15 (4. Grafill Arange Fully to Repth/11.8)	cm cm 1 4 Core Sections To Prod A: See prouss Sheet C: Av
Shoe Description:	
Core Field Observations and Description	Sediment type, moisture, color, minor modifier, MAJOR modifier, oth constituents, odor, sheen, layering, anoxic layer, debris, plant matter biota
3/201 material -9:3 to (0-4)(4-8)(8-12)/12-1	-15 = 5.7 ft/1737 cm 4.9)(14.9-15.3) 5 segments
# note: 109 ~ 2" of sea and onte ground)	liment from bottom of signment 2 (Fell of
Notes:	

ē	Windward Sediment Core Collection Form
	Project: AUCA Phase2 Date: 0i, 50 51 Weather: Logged By: 150 Location ID: 565 Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: 15, 55, 55, 56
	Field Collection Coordinates: Lat/Northing: 47.527049 Long/Easting: 122.310775 A. Water Depth DTM Depth Sounder: M B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 912 - 10.06
	DTM Lead Line: -16-7 4 Height: + 6.64 ft Source: Low 121K hole Recovery Measurements (prior to cuts)
·O	Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Depth: 6. Core Accepted: Yee / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. A. Slope 3. L. Field Field Field 6. Core Accepted: Yee / No 7. Processing Recovery Percentage: 9. L. Field Field 6. Core Accepted: Yee / No 7. Processing Recovery Percentage: 9. L. Field Field 1. L. Field F
	Shoe Description: dark gray smells Holey mix with the plant, slightly plant, mast Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	Shooting material - 10 06 to -15 = 4.94 ft/150.6 cm
	(0-4)(4-8/8-12/12-15.7)(15.7-16.1) 5 segments Simfair sheen an warders
	Notes:
	(4)

Windward Sediment Core	e Collection Form
Project: AOC4 Phase 2 Date: 7.22.2021 Weather: Sunny, 60s Logged By: S. Paglinger	Location ID: SC566 Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: SR ES RM
DTM Depth Sounder: 1619 ft Time: O	Long/Easting: 1275649.28 Level Measurements C. Mudline Elevation (ft MLLW) 948 — 19.03 ft mllw 2.34 ft DW RTK tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft ft 2. Penetration Depth: 4.5 ft ft 137.2 cm 3. Headspace Measurement: 0.7 ft 4. Field Recovery Depth: 4.3 ft 131.1 cm 5. Field Recovery Percentage: 95.6% 6. Core Accepted: (es) / No 7. Processing Recovery Depth: ft 135 cm 8. Adjusted Recovery Percentage: 98.9 Drive Notes:	Core Sections To Process A: 0-60 cm B: Set poussing C:
Shoe Description: See processing log-	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sh biota
	•
i de la companya de l	
Notes: Shofted location to N bic of gente	ch (Abut 7 ft)

Windward Sediment Core Collection	ction Form
Date: 7.22.2021 Attempt Weather: Supply 60s Core Ty	ID: SC567
A. Water Depth DTM Depth Sounder: 13.24 ft DTM Lead Line: 14.42 ft Height: -2.33 ft	asurements C. Mudline Elevation (ft MLLW) -15.6 ft MLLW tide station Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 th ft 2. Penetration Depth: 4 th ft 121,9 cm 3. Headspace Measurement: 1.85 th 4. Field Recovery Depth: 3.15 th ft 96.0 cm 5. Field Recovery Percentage: 78.8 % 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 93 cm 8. Adjusted Recovery Percentage: 10.3 Drive Notes:	Core Sections To Process: A: O-60cm B: See processing C: D:
Shoe Description: See Orcessing log Sediment constituen biota	type, moisture, color, minor modifier, MAJOR modifier, other ts, odor, sheen, layering, anoxic layer, debris, plant matter, shells,
Notes: Sh. fled location SE because of geotech	Souls (43 ft from toward)
3	0

Windward Sediment Core Collection F	orm Page 1 of
Project: AOCH PWSZ Date: 07-14-21 Weather: 70 SWNY Logged By: TO Field Staff: TO	Ø
	12 309 657
A. Water Depth DTM Depth Sounder: - 1654 DTM Lead Line: - 18,04 E. Water Level Measurement Time: 1448 Height: - 0.4 ft. Source: Du att Side	Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 8.0 Ct. 2. Penetration Depth: 7.0 ft cm 3. Headspace Measurement: 1.4 4. Field Recovery Depth: 6.1, ft cm 5. Field Recovery Percentage: 44.3 6. Core Accepted: (es) / No 7. Processing Recovery Depth: 6.4 ft cm 8. Adjusted Recovery Percentage: 91.43 Drive Notes: A ft frufall Variable casy drive to full pen. (1.0 ft) Shoe Description: 12.611, 6114, 54.44	Core Sections To Process: A: Gel processing B: form C: A -> F D:
Sediment type, moistu	ure, color, minor modifier, MAJOR modifier, other neen, layering, anoxic layer, debris, plant matter, shells,
(0-4.0) (40-62) (6.2-6.6) 3 signents	>
Notes:	¥.

•

 $(\hat{\mathbf{a}})$

Windward Sediment Core	e Collection Form
Project: LDW Acca - Phase 11 Date: 7.22.2021 Weather: Sunny, 60s Logged By: S. Pepinger	Attempt No.: Core Type: Intertidal (Subtidal) Shoaling Field Staff: SE, TO, ES, RM
DTM Depth Sounder: 14.09 ft Time: 0 DTM Lead Line: 14.5 ft Height:	Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4 ft 121.9 cm 3. Headspace Measurement: 1.1 ft 4. Field Recovery Depth: 3.9 ft 118.9 cm 5. Field Recovery Percentage: 97.5 % 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 19.5 cm 8. Adjusted Recovery Percentage: 98.0 % Drive Notes:	Core Sections To Process: A: 0-60 cm B: See massing (og.
Shoe Description: See processing log	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota
Notes: About 2.7 ft from torget.	Y The second
<i>)</i>	

Windward ward	Sediment Core Collection	Form Page / of /
Project: COS ACLY Phase Date: 7/19/25 Weather: 70s, Syn Logged By: ym	Attempt No.: /	CS:70 I ertidal Subtidal Shoaling
Field Collection Coordinates Lat/Northing: 19 5486.27 A. Water Depth DTM Depth Sounder: 17.0 ft DTM Lead Line: 18.1 ft	Long/Easting: A B. Water Level Measurem	nents C. Mudline Elevation (ft MLLW) -8.9 ft MLLU Recovery Measurements (prior to cuts)
Core Collection Recovery De 1. Core Tube Length: A 2. Penetration Depth: 3. Headspace Measurement: A 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth 8. Adjusted Recovery Percenta Drive Notes: Arox Arcely to depth	######################################	Core Sections To Process: A: O-60 cm B: C: D:
Shoe Description: 500 pro	Sediment type, moi	isture, color, minor modifier, MAJOR modifier, other sheen, layering, anoxic layer, debris, plant matter, shells,
Notes: About 2.4 Ft From	target	*

Windward Sediment Core	Collection Form	Page 2_ of 2
Project: AOCH PWG2 Date: 07 14 24 Weather: 1.05 Sinny	Location ID: 57\ Attempt No.: Core Type: Intertidal Sufficient Staff: TD DD	otidal Shoaling
A. Water Depth DTM Depth Sounder: 1/A DTM Lead Line: - 6, 7 4. Height:	·0.3	
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Les) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9(3.16) 1/2 Huattle, sluggish Full Huattle, visland Process up for another courte fort 2. Adjusted Recovery Percentage: 1. Set Suggish 1.		Core Sections To Process: A: See process: B: For C: A > E D:
Shoe Description: Full, sand Silt		
Core Field Observations and Description:	Sediment type, moisture, color, moconstituents, odor, sheen, layerin biota	ninor modifier, MAJOR modifier, other ig, anoxic layer, debris, plant matter, shells,
N. C.		
Notes:		
	4	<i>V</i>

	Windward Sediment Core Collection Form Page 1 of 1
	Project: ADC4 PM4Z Date: 06.30.21 Weather: 405 sunny, light wind Logged By: 100 Location ID: 572 Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: 7D, DD, TT, DD
	Field Collection Coordinates: Lat/Northing: 47.526123 Long/Easting: 122,309628
2	A. Water Depth DTM Depth Sounder: 17.1 DTM Lead Line: NA DTM Lead Line: NA B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 13.45 Height: +3.7 ft Source: Low RIK Tide Recovery Measurements (prior to cuts)
0	Core Collection Recovery Details: 1. Core Tube Length: 15.64. 2. Penetration Depth: 14.0 ft cm 3. Headspace Measurement: 2 2 4. Field Recovery Depth: 11.8 ft cm 5. Field Recovery Percentage: 34.3 6. Core Accepted: 11.3 ft cm 8. Adjusted Recovery Percentage: 30.4 Drive Notes: 1. Core Sections To Process: See Process: See Process: Core Sections To Process: See Proces
	Shoe Description: doub gray and, mind Sediment type, moisture, color, minor modifier, MAJOR modifier, other
	Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota Shoul material -13.4 to -15 = 1.6 ft / AB.8 cm
	(0-4)X4-8X8-11.4X11,4-11.8) & signents
**	Notes:
r v	

Windward Sediment Con	re Collection Fo	orm	Page <u> </u>
Project: LD W AOCH Phase II Date: 7/19/21 Weather: Jos, Sun Logged By: M	Attempt No.: j Core Type: Intertic	dal (Subtidal)	
Field Collection Coordinates: Lat/Northing: 19536464	Long/Easting: /2		
DTM Depth Sounder: 16:0 ft Time: 1 DTM Lead Line: 12.7 ft Height:	r Level Measuremen 405 9,4 ft LOW RTK File Station	- 8.3 fl	asurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4.0 ft /2/.9 ct 3. Headspace Measurement: /.3 ft 4. Field Recovery Depth: 3.7 ft //2.8 ct 5. Field Recovery Percentage: 925%. 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft ///.5 ct 8. Adjusted Recovery Percentage: 9/.5 Drive Notes: Sove freely to depta	<u>m</u> <u>m</u>	1 4	Core Sections To Process: A: O COCM B: See Processins C: Form D:
Shoe Description: See processing log Core Field Observations and Description:	Sediment type, moistur constituents, odor, she biota	re, color, minor modeen, layering, anoxid	difier, MAJOR modifier, other c layer, debris, plant matter, shells
Notes: About 1.0ff from target	v		

Windward Sediment Core	e Collection Form
Project: LDW Aoca - Phase 11 Date: 7.22.2021 Weather: Sunny 608 Logged By: S. Replinger	Location ID: SC574 Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: SR, RM, ES
110010-	Long/Easting: 1275829.15 Level Measurements C. Mudline Elevation (ft MLLW)
DTM Lead Line: 15.5 - Height: Source: L	1.73 ft NOW 12TL Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4.5 ft ft 137.2 cm 3. Headspace Measurement: 1.15 ft 4. Field Recovery Depth: 3.85 ft ft 117.3 cm 5. Field Recovery Percentage: 84.4 ck 6. Core Accepted: Yes y No 7. Processing Recovery Depth: ft 115 cm 8. Adjusted Recovery Percentage: 83.6 7.6 Drive Notes: freely drove to target penetrature	Core Sections To Process A: 0-60 cm B: See Processing C:
Shoe Description: See processing log. Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sh
	biota
Notes: About 3.1 ft from target.	

. # .

Windward Sediment Core Collection Form
Project: AOCH Phase Location ID: 576 Date: 06.30.21 Weather: 705, sunny, light wind Logged By: 100 Location ID: 576 Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: 70, DD, TT, DB
Field Collection Coordinates: Lat/Northing: 47.525762 Long/Easting: 122,368961
A. Water Depth DTM Depth Sounder: MA DTM Lead Line: -1 10 A-C+ Time: 1500 Height: +1.87 Source: LDW LETK Recovery Measurements (prior to cuts)
1. Core Tube Length: 15 ft cm 2. Penetration Depth: 1 ft cm 3. Headspace Measurement: 1 ft cm 5. Field Recovery Depth: 1 2 3 ft cm 6. Core Accepted: 1 No 7. Processing Recovery Depth: 1 ft cm 8. Adjusted Recovery Percentage: 2 ft cm 8. Adjusted Recovery Percentage: 2 ft cm 9. Core Sections To Process: See process: S
Shoe Description: Shoe Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:

Α.

Windward Sediment Core	Collection Fo	orm	Page of
Project: ARCH Phase Z Date: 07-04-25 Weather: 705 Sun wind Logged By: TDO	Location ID: Attempt No.: Core Type: Intertion Field Staff:	Subtidal	Shoaling
A. Water Depth DTM Depth Sounder: 1010 (4 Time: 13) DTM Lead Line: 21/3 21 Height:	FID. 04 PA. DW RIK HOLE Startion	ts C. Mudline El	evation (ft MLLW) asurements (prior to cuts) Core Sections To Process: A: DE PROCESSE C: D:
Shoe Description: empty.			14
Core Field Observations and Description: (0-4)(4-6.1)(6.1-6.5) 3 Se	Sediment type, moistu constituents, odor, she biota	re, color, minor mod een, layering, anoxic	ifier, MAJOR modifier, other layer, debris, plant matter, shells
Notes:			
			*
ű.			

Attempt No.: Attempt No.: Core Types (Intertidal) Subtidal Shoaling Signature Core Types (Intertidal) Subtidal Shoaling Field Collection Coordinates: attNorthing: 12 5996, 42 Long/Easting: 195 11 16 Long/Easting: 195 11 Long/Easting:	Windward Sediment Co	re Collection Form
Core Type: (Intertidal) Subtidal Shoaling	Project: LDW A0C4	Location ID: 17578
Field Collection Coordinates: at/Northing: 12 5996, 42 Nater Depth B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 100 Time: 100 Time: 100 Tore Collection Recovery Details: Core Tube Length: 564. Penetration Depth: 3,5 64. Field Recovery Depth: 3,6 64. Field Recovery Percentage: 8196. Core Accepted: (eg) 100 Processing Recovery Percentage: 8196. Adjusted Recovery Percentage: 8196. Adjusted Recovery Percentage: 8196. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota		
Long/Easting: 195111.16 Long/Easting: 19	Weather: overcash 60s	
A. Water Depth DTM Depth Sounder: 4.25 ft. DTM Lead Line: 3,5 ft. DTM Lead Line: 3,5 ft. Core Collection Recovery Details: Core Tube Length: 5 ft. Departation Depth: 3,0 ft. ft. ft. ft. g. cm. Headspace Measurement: 2,4 ft. Field Recovery Percentage: 47 ft. Drive Notes: Grand Recovery Depth: 1 ft. 77,5 cm Adjusted Recovery Depth: 1 ft. 77,5 cm Adjusted Recovery Percentage: 47,7 Drive Notes: Grand Recovery Depth: 3,0 ft. ft. ft. 77,5 cm Adjusted Recovery Depth: 1 ft. 77,5 cm Since Description: Active Grand Recovery Depth: 1 ft. 77,5 cm Since Description: Active Grand Recovery Depth: 1 ft. 77,5 cm Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota	Logged By: SP	Field Staff: SR, RM, ES
B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 100 - 2.43 (1.) Height: +1.07 (1.) Sore Collection Recovery Details: Core Tube Length: 5 (1.) Penetration Depth: 3.5 (1.) Headspace Measurements (2.) Headspace Measurements (2.) Headspace Measurements (2.) Height: +1.07 (1.) Penetration Depth: 3.5 (1.) Penetration Depth: 3.5 (1.) Penetration Depth: 3.5 (1.) Headspace Measurements (2.) Height: +1.07 (1.) Penetration Depth: 3.5 (1.) Penetration Depth: 3.5 (1.) Height: +1.07 (1.) Penetration Depth: 4. Penetration Pricess A: O-45cm B: Core Sections To Process A: O-45cm B: Core Sections To Process A: O-45cm B: Core Notes: Fruity Area to farget penchahan B: Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota	Field Collection Coordinates:	
Time Light Sounder 4.25 ft. Time: Light Height: +1.07 ft. Source: Light: +1.07 ft. Source: Light	Lat/Northing: 127 5996.42	Long/Easting: 195111.16
Time Light Sounder 4.25 ft. Time: Light Height: +1.07 ft. Source: Light: +1.07 ft. Source: Light	A. Water Depth B. Wate	r Level Measurements C. Mudline Elevation (ft MLLW)
Height: +LOTE Source: LDW PTK Source: LDW PTK This stahm Core Collection Recovery Details: Core Tube Length: 564. 91500 Penetration Depth: 3.5 61 ft +64.4 cm Headspace Measurement: 2.4 61. 67 cm Field Recovery Depth: 2.4 61 ft 70 cm Field Recovery Percentage: 87% Core Accepted: (res) / No Processing Recovery Percentage: 87% Adjusted Recovery Percentage: 97.7 Prive Notes: Firstly wrote to farget penchahan Shoe Description: dark gray, Silly Sind Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota	•	- 2.43 ft
Source: LDN PTK The Stahe Core Collection Recovery Details: Core Tube Length: 5 (4). Penetration Depth: 3,5 (4). Headspace Measurement: 2,4 (4). Field Recovery Depth: 2,6 (4). Field Recovery Percentage: 81 (9). Core Accepted: (69) No. Processing Recovery Percentage: 81 (9). Adjusted Recovery Percentage: 81 (9). Adjusted Recovery Percentage: 81 (9). Core Accepted: (69) No. Processing Recovery Percentage: 81 (9). Adjusted Recovery Percentage: 81 (9). Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota	DTM Lead Line: 3.5.61 Height:	
Core Tube Length: 5ft. 915cm Penetration Depth: 3.5ft. ft + 105cm Penetration Depth: 3.5ft. ft + 105cm Processing Recovery Depth: 2.4ft. ft 7g cm Processing Recovery Depth: ft 7f,5cm Adjusted Recovery Percentage: gr. ft Prive Notes: Graduated Recovery Percentage: gr. ft Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota	Source:	LOW PTK Recovery Measurements (prior to cuts)
Core Tube Length: 5ft, 915cm Penetration Depth: 3.5 ft, ft 175cm Penetration Depth: 4 ft. 69 Price Recovery Depth: 2.6 ft, ft 7g cm Processing Recovery Depth: ft 7g, cm Processing Recovery Percentage: 87% Prive Notes: Shoe Description: dark gray Silly Sand Processing Recovery Percentage: 87% Processing Recovery Perc	Core Collection Recovery Details:	
Penetration Depth: 3.5 ft ft + 1/4 cm Headspace Measurement: 2.4 ft ft q cm Field Recovery Depth: 1.6 ft q cm Field Recovery Percentage: 87% Core Accepted: (es) / No Processing Recovery Percentage: 94, 7 Prive Notes: Grady Arac to farget penetration Shoe Description: dark gray Silly Sand Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota		_ 3
Apprex i. 4 (1) from target. Headspace Measurement: 2.4 (1) (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	2 Penetration Depth: 3.5.41 ft +At-1 c	m I T
Field Recovery Depth: 2.6 ft 79 cm Field Recovery Percentage: 81% Field Recovery Percentage: 81% Processing Recovery Depth: ft 775 cm Adjusted Recovery Percentage: 84.7 Prive Notes: Fruly Area to farget penulahan Shoe Description: dark gray, Silty Stind Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota		Core Sections To Process:
Field Recovery Percentage: 87% Core Accepted: (es) / No Frocessing Recovery Depth: ft 77,5 cm Adjusted Recovery Percentage: 84,7 Drive Notes: Grey Arou to target pendahan Shoe Description: dark gray, Silly Sand Core Field Observations and Description: Approx i. 4 (it from target) Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota		m
Shoe Description: dash gray Silly Sind. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota		A: 0-45cm
Processing Recovery Depth: ft 47,3 cm Adjusted Recovery Percentage: 84.4 C: Drive Notes: Gray of the fraget penchahan Choe Description: dark gray Silly Sand Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A. 64 from target.		_ = - 1
Shoe Description: dark gray, Silly Sind. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota		:m
Shoe Description: dark gray, Silky Sind Secret Field Observations and Description: Approx i. A Et from target.	8 Adjusted Recovery Percentage: 44.7	1 4 - /
Shoe Description: dark gray, Silly Sind: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. a. 64 from target.		
Shoe Description: dark gray, Silly Sand: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		
Shoe Description: dark groy, Silty Sand. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.	thely drove to target penchan	
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.	depth	
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		
Core Field Observations and Description: Constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.	Shoe Description: dark gray, Silly San	nd.
Core Field Observations and Description: Constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Approx i. A 64 from target.		Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Approx 1.4 64 from target.	Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shell
	Approx i di fit from troval	Diota
lotes:	Typica 1	
lotes:	1041	
lotes:		
lotes:		
lotes:		
lotes:	1.0	
lotes:		
lotes:		
Notes:		
	Notes:	

Wind ward	Sediment Core Collection Fo	Page 1_ of _
Project: Ancy Phase Date: 51621 Weather: 65 count Logged By: 100	Attempt No.: 1	
Field Collection Coordinates Lat/Northing: 4子、525	306 Long/Easting: 12	
A. Water Depth DTM Depth Sounder:	B. Water Level Measurement Time: 1123 Height: 473 4 Source: Www 27K Hale	Recovery Measurements (prior to cuts)
Core Collection Recovery Do 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth:	etails: 8.0 A 6.8 ft 707.3 cm 2.6 5.4 ft cm	Core Sections To Process:
5. Field Recovery Percentage 6. Core Accepted: Yes / No 7. Processing Recovery Depth 8. Adjusted Recovery Percent Drive Notes:	: 79.4 n: 5.0 ft 57 cm	1 4 A: At -t- B: See processing C:
1 /4 throttle, cass continues then to 6 st and th	12 throttle steady	_D:
Shoe Description: emp	ty	
Core Field Observations and	d Description: constituents, odor, shed biota	re, color, minor modifier, MAJOR modifier, other en, layering, anoxic layer, debris, plant matter, shells,
(Br 3.0)(3.0-	5.1)(5.1 to 5.4) 3 9	Segmods
	A	
Notes: 13 fa of tar	get (avoid concrete/rip-r	ap piles)

	Windward Sediment Core Collection Form Page of 1
	Project: A OC4 Phee II Date: 7.6.2021 Weather: Overcasi 60s Logged By: S. Replinger Location ID: +T680 SC 580 Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: SR 25.68
	Field Collection Coordinates: Lat/Northing: 127.5976.40 Long/Easting: 195038.66
	A. Water Depth DTM Depth Sounder: 11.2 ft DTM Lead Line: DTM Lead Line: B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1040 Height: 0.53 0.19 ft Source: SPM - LDW Recovery Measurements (prior to cuts)
	Core Collection Recovery Details: 1. Core Tube Length: 5 f + 2. Penetration Depth: 3.5 ft 107 cm 3. Headspace Measurement: 2.05 ft 4. Field Recovery Depth: 2.95 ft 90 cm 5. Field Recovery Percentage: 84% A: 0.60 cm
U	6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 85 cm 8. Adjusted Recovery Percentage: 79%
	Drive Notes: C: Drive Notes: D:
0	
	Shoe Description: dark gray, Silty sand.
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	Notes:
4 1	

Windward Sediment Core Collection For	rm Page 1 of 1
Project: AOCH Phys. 2 Date: 07-01-21 Weather: 405 brunks Logged By: 100 Location ID: 56 Attempt No.: Core Type: Intertid: Field Staff: 10	
Field Collection Coordinates: Lat/Northing: 47. 525 017 Long/Easting: 122	2,308268
A. Water Depth DTM Depth Sounder: MA DTM Lead Line: -4.2 B. Water Level Measurements Time: +1.42 +	Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Yes! No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. Figure Notes: 1. Core Notes: 1. Core Accepted Yes! No 1. Processing Recovery Depth: 1. Core Accepted Yes! No 1. Processing Recovery Depth: 1. Core Accepted Yes! No 1. Co	Core Sections To Process: See Processing A: (A 187) C: D:
	e, color, minor modifier, MAJOR modifier, other en, layering, anoxic layer, debris, plant matter, shells,
Core Field Observations and Description: constituents, odor, sheet biota (0-4)(4-5.8)(5.8-6.2) 3 Segments	sit, layering, alloate layer, doblie, plant matter, exemp
	NA.
Notes:	2

Windward S	ediment Core Collection Fo	Page _1_ of _1_
Project: ACCH PhaseZ Date: 07/624	Location ID: 58 Attempt No.:	
Weather: 505 werest Logged By: TW	Core Type: Interti	DD TT
Field Collection Coordinates: Lat/Northing: 47、52らのちゃ	Long/Easting:)7.	2.308210
A. Water Depth DTM Depth Sounder: PK	Time: 0816	nts C. Mudline Elevation (ft MLLW)
DTM Lead Line: 7,4 Pl	Height: +7.17 ft Source: UNW POTK HOLE Station	Recovery Measurements (prior to cuts)
2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Drive Notes:	ft cm ft cm ft cm ft cm ft cm	Core Sections To Process: A: Sll proussing B: l dg C: A D:
steady to 69C1		
Shoe Description: Empty		
Core Field Observations and De		ire, color, minor modifier, MAJOR modifier, other een, layering, anoxic layer, debris, plant matter, shells
(030)(3,0-52)(50	2-5.5) 3 segments.	
E		
		Ť:
I		
	- i -	
Notes:	P	

Windward Sedir	ment Core Collection Form
Project: LDW ACC4 - Phase II Date: July 7, 2021 Weather: overcast, 60s Logged By: Sp.	Location ID: SC 583 Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: 512 KM, PM, ES
Field Collection Coordinates: Lat/Northing: 194926.69 A. Water Depth DTM Depth Sounder: 12.95 ft DTM Lead Line: 12.8 ft Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4 ft 3. Headspace Measurement: 1.35 ft 4. Field Recovery Depth: 3.65 5. Field Recovery Percentage: 9190 6. Core Accepted: (es)/ No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 41- Drive Notes: Freely Arove to percentage:	B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1005 Height: -0.56 C+ Source: LDW 27K Recovery Measurements (prior to cuts) ft 121.4 cm ft 121.5 cm Core Sections To Process: A: 0-60cm B: C:
Shoe Description: See process in Core Field Observations and Descrip	Sediment type, moisture, color, minor modifier, MAJOR modifier, other

Windward Sediment Cor	e Collection Fo	rm	Page of _
Project: AOCH Phase Z Date: 07.07.21 Weather: 605 averast, wind Logged By: 700	Attempt No.: Core Type: Intertid		Shoaling
Field Collection Coordinates: Lat/Northing: 47, 524761	Long/Easting: 12	2,3082	26
DTM Depth Sounder: N N Time: 17 DTM Lead Line: -5.1 FL Source: 8		-3.79	evation (ft MLLW) asurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Les / No 7. Processing Recovery Depth: 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Drive Notes:	<u>n</u>	1 4	Core Sections To Process: A: Sou process vol B: log C: D:
Shoe Description: Md - fine Sand			lifer MA IOP modifier other
Core Field Observations and Description: (0-4)(4-5:4)(5:4-6:2)	Sediment type, moisture constituents, odor, sheel biota	en, layering, anoxic	lifier, MAJOR modifier, other layer, debris, plant matter, shells,
Notes:	y		

	Windward Sediment Core Collection Form			
\cap	Project: ADC4 PW3CZ Date: 07.14.74 Weather: 605 overast Logged By: 170 Location ID: 585 Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: 10 DD TT			
	Field Collection Coordinates: Lat/Northing: 47, 524 767 A. Water Depth DTM Depth Sounder: VA DTM Lead Line: - 6, 7 64 Core Collection Recovery Details: 1. Core Tube Length: 70 ft cm 3. Headspace Measurement: 2.1 4. Field Recovery Depth: 5.6 ft cm 5. Field Recovery Percentage: 34, 3 6. Core Accepted: (es)/ No 7. Processing Recovery Depth: 5.5 ft cm 8. Adjusted Recovery Percentage: 34, 4 Drive Notes: 1. Set Gradul Vertical Statis: 10 pc ft statistics: 122 30 \$159 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 11			
	Shoe Description: empty			
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota			
	(0-40 ft) (40-55 ft) (55-59 ft) 3 segments			
	Notes: 242 22 24 off-tagt away from borkhead wall and concrete frip-rap piles.			
	2			

Project: LDW AOCA - Phase II	Location ID:	Page 1 0
Date: July 7, 2021	Attempt No.:	
	Core Type: Int	
Weather: Ourcast 60s		SP. KM. RM, ES
Logged by. 5 c		5
Field Collection Coordinates:		
Lat/Northing: 194844.72	Long/Easting:	1275987.48
	E W	The Control of the Co
A. Water Depth		ments C. Mudline Elevation (ft MLLW) ー12,9 チャールレン
DTM Depth Sounder: 12.95	Time: 1030	
DTM Lead Line: 12.5-€+	Height: - 0.43	Description to SU
	Source: LOWPTK	Recovery Measurements (prior to cu
O B Watter Brown Batallar	tide station	†
Core Collection Recovery Details:		3
1. Core Tube Length: 5 ft	0.101/1	
2. Penetration Depth: 4++	ft 121.9 cm	Core Sections To Prod
3. Headspace Measurement: 1.15 ft	(Se)	Core Sections to Proc
4. Field Recovery Depth: 4.85 3.3	THIT OF 100 GOM	A: 0-60cm
5. Field Recovery Percentage: 464	D 8370	A. O-GOUN
6. Core Accepted: (Yes) / No 7. Processing Recovery Depth:	A 1011 (0)	
7. Processing Recovery Depth: 3.45	THE CHI TO LEWI	1 4 B:
8. Adjusted Recovery Percentage: 82		
Drive Notes:		<u>C</u> ;
		D.
		W 1 1 1
		↓
Shoe Description: See DNCESSI	m 109-	
	\cap \cap	
		oisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Descrip	-	r, sheen, layering, anoxic layer, debris, plant matter,
	biota	
1 2		
Notes:	. 1 . 1	
Notes: Abut 6 ft from targe	ct location.	
	ct Iscahan.	
	ct Iscahan.	

Wind			e Collection Fo	W. 123	Page of
Project: Date: Weather: Logged By	ADOUL Phase 07.12.21 605 Sonn y: TDV		Attempt No.: Core Type: Intertion Field Staff:		hoaling
Lat/Northin A. Water D DTM Deptil DTM Lead Core Colle 1. Core Tu 2. Penetra 3. Headspa 4. Field Re 5. Field Re 6. Core Ac 7. Process 8. Adjusted Drive Note	ection Recovery Debe Length: tion Depth: ace Measurement: ecovery Depth: ecovery Percentage: cepted Yes / No sing Recovery Percentage: decovery Percentage:	B. Water Time: 1 Height: Source: tails: F.O. ft cr	-1.07 ft.	Recovery Measu	ation (ft MLLW)
Shoe Des	cription: Full o	f sandy silt			
0	1 Observations and		Sediment type, moistu constituents, odor, she biota	re, color, minor modifie en, layering, anoxic lay	er, MAJOR modifier, other yer, debris, plant matter, shells
			į.		
Notes:					

Windward Sediment	Core Collection Form
Project: ADCH OWGLZ Date: 07,14,21 Weather: 405 mercial Logged By: TDD	Location ID: 588 Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: TD DD T1
DTM Depth Sounder: PA Tim	Long/Easting: 177.308615 Water Level Measurements C. Mudline Elevation (ft MLLW) ne: 1003 ight: +7.55 urce: Dw EX hae Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes Y No 7. Processing Recovery Depth: U, 9 ft 8. Adjusted Recovery Percentage: 9. Orive Notes: 9. If furful 12 fluotic Stow advance 3/4 fluotic to U2.5 ft advances quartity to refu	cm cm cm cm cm cm display cm display cm display cm display core Sections To Process: A: See processing B: town c: Har
hoe Description: empty, sheen ore Field Observations and Description: $(0-3.0)(3.0-5.1)(5.1-6)$	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes: Moved further offshore of	o word concrete piles/vaprap. ~17 off-tong

Windward Sediment Co	re Collection Fo	rm	Page / of /
Project: LOW AOC4 - Phase II Date: 7.7.2021 Weather: Owncast, 60s Logged By: SR	Attempt No.: \ Core Type: Intertide Field Staff: 52	al Subtidal	Shoaling
Field Collection Coordinates: Lat/Northing: 194770.20	Long/Easting: 2	16665, 37	
A. Water Depth DTM Depth Sounder: 14.49 DTM Lead Line: 14.5 ft Core Collection Recovery Details: 1. Core Tube Length: 5 Cf	0.51	- 13:99 14.0	evation (ft MLLW)
2. Penetration Depth: 3.5 ft /06.7c 3. Headspace Measurement: 60 ft /06.7c 4. Field Recovery Depth: 3,45 ft /052 c 5. Field Recovery Percentage: 99 /. 6. Core Accepted: (168) / No 7. Processing Recovery Depth: 3.4 ft 103.5c 8. Adjusted Recovery Percentage: 97.0 Drive Notes: Freely drive + farget depth, Ref. Soft Makeral	<u>m</u>	1 4	Core Sections To Process: A:
Shoe Description: See processing log			
Core Field Observations and Description:	Sediment type, moisture constituents, odor, sheel biota	, color, minor modif n, layering, anoxic l	fier, MAJOR modifier, other ayer, debris, plant matter, shells,
*			
Notes: About 5 ft from target			

	NVC 1/1
	Windward Sediment Core Collection Form
	Project: LOW ACCA - Phase II Location ID: SC590
	Date: TM 7, 2021 Attempt No.: Weather: Core Type: Intertidal Subtidal Shoaling
	Weather. Town that, Old
	Logged By: Sp. Field Staff: Sp.
	Field Collection Coordinates: Lat/Northing: 194714.62 Long/Easting: 1276026.49
	A. Water Depth B. Water Level Measurements C. Mudline Elevation (ft MLLW)
	DTM Depth Sounder: 13 ft Time: 1105 12.95 ft MLLW
	DTM Lead Line: 12.8 ft Height: ~0.15 ft
	Source: LDW RTK Recovery Measurements (prior to cuts)
	Core Collection Recovery Details:
	11. Core Tube Length: 5 + T
	2. Penetration Depth: 4 ft ft 21,9 cm
	3. Headspace Measurement. 1.1 2-1
	4. Field Recovery Depth: 3.9 ft 13.9 cm 5. Field Recovery Recentage: 98%
	6. Core Accepted: Yes // No
	7 Processing Recovery Depth: ft // K. C cm B:
	8. Adjusted Recovery Percentage: 97-2
	Drive Notes:
	freely draw to Penetrohan depth,
	very soft material D:
()	
ň	
	•
	Shoe Description: See processing lay
	O O
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	Notes:
	About 3.7 ft from target.

Windward Sediment Core Collection Form
Project: ACU PINSUZ Date: 04 DV. 24 Weather: 605 30 NNY Logged By: The State of S
A. Water Depth DTM Depth Sounder: UK DTM Lead Line: 11.1 Pt B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 15.3 \ Height: +9.07.94 Source: Chu 274 Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes) No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 1. A. Sul prouss: 2. Drive Notes: 1. A. Sul prouss: 2. Drive Notes: 3. Drive Notes: 1. A. Sul prouss: 2. Drive Notes: 3. Drive Notes: 4. Sul prouss: 5. Field Recovery Percentage: 6. Core Sections To Process: A: Sul prouss: A: Sul
Shoe Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
(0-4)(4-6.2)(6.2-45) 3 soyment
Notes:

Windward Sediment Core Collection Form	Page Zof Z
Project: AOCU QM42 Date: OTOGT Attempt No.: 2 Weather: 205 500 Logged By: 1 100 Logged Staff: To	, , , , , , , , , , , , , , , , , , , ,
Field Collection Coordinates: Lat/Northing: A7.524 2201 Long/Easting: 122,	
DTM Lead Line: 80 H.A. Height: +7-HI-ft	ecovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes) No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Dive Notes: Da ff free fal About they easy at 2ft to about they easy at 2ft at (0.0) ft.	Core Sections To Process: A: See process; B: (v) (A-±) C: D:
Shoe Description: empty Sediment type, moisture, co	olor, minor modifier, MAJOR modifier, other
Core Field Observations and Description: (0-4)(4-5:6)(5-6-6:2) 3 Segments	ayering, anoxic layer, debris, plant matter, shells,
Notes:	

Windward Sediment Core Colle	ection Form
Date: July 8, 2021 Attempt Weather: 60, claudia Core T	on ID: 5 C S 9 4 ot No.: 1 ype: Intertidal (Subtidal) Shoaling staff: CM, ES, PM
	leasurements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder: /1.0 ft DTM Lead Line: /0.9 ft Source: cow RI file Shift	Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4 ft /21.9 cm 3. Headspace Measurement: /.3 ft 4. Field Recovery Depth: 3.7 ft //2.8 cm 5. Field Recovery Percentage: 93 //. 6. Core Accepted: (Yes.) No 7. Processing Recovery Depth: ft 8. Adjusted Recovery Percentage: 93 //. Drive Notes: Solver freely to depth:	Core Sections To Process: A: 0-60 cm B: C: D:
Shoe Description: See processing log	nt type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description: constitutions	ents, odor, sheen, layering, anoxic layer, debris, plant matter, shells
Notes:	
About 1.4 (+ from target	

Windward Sediment Core	e Collection Form
Project: LDW AOCY-Phase II Date: JULY 8, 2021 Weather: 60, Cloudy Logged By: EM	Location ID: 5C595 Attempt No.: / Core Type: Intertidal Subtidal Shoaling Field Staff: KM, ES, RM
DTM Depth Sounder: /1.9 ft Time: 0	Long/Easting: 1276059. 16 Level Measurements C. Mudline Elevation (ft MLLW) 955 -12.0 ft MLLW
	Core Sections To Process: A: 0-60 cm
Shoe Description: See processing log Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes: About 0.8 ft from target	

Windward Sediment Core Collection Form	Page of
Project: ACU PMX2 Date: O7-13-24 Weather: 70, SUNNY Logged By: TWO Logged By: TWO Location ID: 59 6 Attempt No.: I Core Type: Intertidal Subtidation Shoaling	
Field Collection Coordinates: Lat/Northing: 47,523937 Long/Easting: 122,308008	
A. Water Depth DTM Depth Sounder: NA DTM Lead Line: -7.2 B. Water Level Measurements C. Mudline Elevation (-7.98 Height: -0.78 fl Source: Law entirely Recovery Measurements C. Mudline Elevation (-7.98 DTM Lead Line: -7.2	
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: Cm	Sections To Process: Perprocessing From From
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJO constituents, odor, sheen, layering, anoxic layer, debribiota (0-4-0)(4-0-6-9)(6-9-7-3) Sediment type, moisture, color, minor modifier, MAJO constituents, odor, sheen, layering, anoxic layer, debribiota	R modifier, other is, plant matter, shells
Notes: Illely Core advanced just past 7 ft, No material pushed up again pistory, werlying water present. There was a D.S vous at bottom between bottom	
core nose. Recovery & 0/0 adjusted.	101

Windward ward	Sediment Core Collection F	Page 1 or_
Project: ADCH PWYZ Date: OF 16 24 Weather: 1005 overeas Logged By:	Location ID: 50 Attempt No.: Core Type: chitert Field Staff:	idal Subtidal Shoaling
Field Collection Coordinates Lat/Northing: 47.523	Long/Easting: 17	2307803
A. Water Depth DTM Depth Sounder: DTM Lead Line:	Height: +4, 77 A. Source:) PW PTZ - Hill	nts C. Mudline Elevation (ft MLLW) — 0.23 Recovery Measurements (prior to cuts)
Core Collection Recovery De 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes No 7. Processing Recovery Depth 8. Adjusted Recovery Percenta Drive Notes: 2.0 ft fuefall Yu flootile, eas	9.0 ft cm 25 5.5 ft cm 78.8	Core Sections To Proces A: A - F B: Procussing to C: D:
Shoe Description: Empt	5	
Core Field Observations and		ure, color, minor modifier, MAJOR modifier, other een, layering, anoxic layer, debris, plant matter, sh
(0-5,0)(5,0-9	21) (21 - 212) 2 35/W	
		Đ)
		₹
Notes:		

Windward Sediment Core	Collection Fo	rm	Page 2 of 2
Date: 01-0K-21 Weather: 205 SUNNY	ocation ID: 598 Attempt No.: 2 Core Type: Intertide Field Staff: 70,		Shoaling
A. Water Depth DTM Depth Sounder: UA DTM Lead Line: - \$12 [4] Height: 1	evel Measurements	*************************************	
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 85. 8 Drive Notes: 1.5 A Grefall Full Huntle: resistance for the pick About 8-9 ft OCf-farset. Firm breakent for 2 ft then expended. Shoe Description: Sand gravel and	SIN, (GVI)	1 4 A	Core Sections To Process: A: See Procession B: Low C: A D:
Core Field Observations and Description:	Sediment type, moisture constituents, odor, shee biota	e, color, minor mod n, layering, anoxic	ifier, MAJOR modifier, other layer, debris, plant matter, shells,
Notes:			

 ${\bf c}$

Windward Sedimen	t Core Collection	Form	Page /_ of /_
Project: LDW AOCH- Physi II	Location ID: 5	1599	1 ago
Date: 7319 7, 2021	Attempt No.:	1	
Weather: overcast, 60s	Core Type: Int	ertidal Subtidal	Shoaling
Logged By: EM		R.KM. RM, ES	
Logged by. Ph	110.00	K, Phi will Co	· · · · · · · · · · · · · · · · · · ·
Field Collection Coordinates: Lat/Northing: 194565.37	Long/Easting:	127 6105. 22	
	. Water Level Measuren	nents C. Mudline E	levation (ft MLLW)
	ime: /300	-6.65 4	MUW
DTM Lead Line: 10,0 C4 He	eight: 3.35 ff ource: LDW ETIL		asurements (prior to cuts)
Core Collection Recovery Details:	tide station	1	
1. Core Tube Length: 5 ft	1/ 0 om	 	
	2/.9 cm		Core Sections To Process:
3. Headspace Measurement: 1.35 ft	11 13 000		Cole Sections 101 10000.
4. Field Recovery Depth: 3.65 ft //	1.3 cm		A: 0-60 CM
5. Field Recovery Percentage: 91 %			A. U
6. Core Accepted Yes / No	a om		В:
	2 cm	1 4	В.
8. Adjusted Recovery Percentage: @3.7-			
Drive Notes:			C
soft material for top 2ft of	dove:		
loss soften after 25+			D:
(B) January			
			φ.
			1
2		1.00	14
Shoe Description: Jee processing log			
		2	
Core Field Observations and Description:		sisture, color, minor mod sheen, layering, anoxid	difier, MAJOR modifier, other c layer, debris, plant matter, shells,
	**		
Notes: About 2.5 A from target	×		
110001 6.7.1			

÷

Windward Sediment Core	e Collection Form
Project: LDW ADLY Phase Date: 7/19/21 Weather: 602,500 Logged By: KM	Attempt No.: 4 Core Type: (Intertida) Subtidal Shoaling Field Staff: KM, ES, RM
A. Water Depth B. Water I	Long/Easting: 1276153.30 Level Measurements C. Mudline Elevation (ft MLLW) 55 -0.4 A MILW
Source: L	Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4. I ft 125.0 cm 3. Headspace Measurement: 1.1 ft 4. Field Recovery Depth: 3.9 ft 118-9 cm 5. Field Recovery Percentage: 95.1 % 6. Core Accepted: Yes 1 No 7. Processing Recovery Depth: ft 19 cm 8. Adjusted Recovery Percentage: 95.2 Drive Notes: Drive Rotes:	Core Sections To Process: A: 0-45 cm
Shoe Description: See processing log	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	
About 27 ft from target	

e.

	Windward Sediment Core Collection Form
	Project: LDW Acc4 - Phase II Date: 7:6:2021 Weather: Sunny, 70s Logged By: SR Logged By: SR Location ID: 17601 Attempt No.: Core Type: (ntertidal) Subtidal Shoaling Field Staff: SR, RM, ES
*	Field Collection Coordinates: Lat/Northing: (216201.58) A. Water Depth DTM Depth Sounder: 248 ft DTM Lead Line: 4.3 ft Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 3.5 ft 4. Field Recovery Depth: 2.9 ft ft 68.4 cm 5. Field Recovery Percentage: 33% 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: 2.9 ft 68.0 cm 8. Adjusted Recovery Percentage: 82.2 Drive Notes: Core Collection Coordinates:
	Shoe Description: See processing log Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	Notes: About 3.1 ft from target location.

Windward Sediment Core	e Collection	Form	Page 1 of
Project: LDW ACCA - Phase II Date: 7:6:2021 Weather: Sunny, 80 Logged By: Sp.	Location ID: Attempt No.: Core Type: In Field Staff:	tertidal Subtida	
Field Collection Coordinates: Lat/Northing: 194553.82		1276219.4	Elevation (ft MLLW)
DTM Depth Sounder: 4.68 DTM Lead Line: 5.5 (4) Core Collection Recovery Details: 1. Core Tube Length: 5 (4) 2. Penetration Depth: 4.5 (4) 3. Headspace Measurement: 0.85 (4)	1715 10.54 ft LOW RIK tide station	+5 £	Measurements (prior to cuts) Core Sections To Process:
4. Field Recovery Depth: 4.15 ft 126.5 cm 5. Field Recovery Percentage: 92% 6. Core Accepted: (Yes), No 7. Processing Recovery Depth: ft 21.5 cm 8. Adjusted Recovery Percentage: 6.6 Drive Notes: Hard material at ~1.5/2 ft, then to punch through and dive freely	able	1 4	A: 0-45cm B: C: D:
4.5 ft penetration.	,		
Shoe Description: So processing to a Core Field Observations and Description:	Sediment type, m	noisture, color, minor r r, sheen, layering, and	modifier, MAJOR modifier, other oxic layer, debris, plant matter, shells
Notes:			
Abut 5.8 ft from target			

Windward Sediment Core	e Collection	Form	
Project: LDW AOC4 - Phase II Date: 7.6.2021 Weather: 5.mny, 803 Logged By: 52	Location ID: Attempt No.: Core Type: In	IT603 Itertidal Subtidal	Page 1 of 1
Field Collection Coordinates: Lat/Northing: 194525.10		1276196.42	
DTM Depth Sounder: 8.09 (+. Time: 65) DTM Lead Line: 8.5 (+ Height: Source: 1	130-1725 10.51 ff DW RTK	+2.0	Sevation (ft MLLW) Ft mulu asurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 94 ft 15 ft 137.2 cm 3. Headspace Measurement: 0.95 ft 4. Field Recovery Depth: 4.05 ft ft 123.4 cm 5. Field Recovery Percentage: 90% 6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 123 cm 8. Adjusted Recovery Percentage: 99.7 Drive Notes: Drove to refusal at 4.5 ft	=0. =0. =0.	1 4	Core Sections To Process: A: 0-45 cm B: C: D:
Shoe Description: 500 Process.valor	Sediment type, m	noisture, color, minor mo	difier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odo biota	r, sheen, layering, anoxid	c layer, debris, plant matter, shells
Notes: About 2 ft from target locati	on.		

Windward Sediment Core Collection Form
Project: AOCLI Phas 2 Date: OF OLG Attempt No.: Weather: 70 GS gunny Logged By: T. Do Location ID: 100 G Attempt No.: Core Type: (Intertidal) Subtidal Shoaling Field Staff: TD, OD, TT
Field Collection Coordinates: Lat/Northing: 47.573693 Long/Easting: 177.307389
A. Water Depth DTM Depth Sounder: DTM Lead Line: 4.104 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: (630 Height: +10424 Source: Dw end the Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes) No 7. Processing Recovery Depth: (a, 5) ft cm 8. Adjusted Recovery Percentage: 9. 8 Drive Notes: O. If the fall Acade Arc Core Sections To Process: A: See Processing A: See Processing B: (A to C) C: D: D: D: D: D: D: D: D: D:
Shoe Description: empty.
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota (b - 4)(4 - 66 - 70) 3 Segments
Notes:
Ti .

Windward Sediment Core	e Collection For	m	Page _/_ of _/_
Project: LOW ACKY Phase II Date: Tsig 7, 2021 Weather: Fos, sun Logged By: KM	Attempt No.: I Core Type: Intertida Field Staff: SR, KA	Subtidal	
DTM Depth Sounder: 10.9 ft DTM Lead Line: 12.0 ft Source: 4	0.88 (+ DW KTK ade Station	C. Mudline El	evation (ft MLLW)
4. Field Recovery Depth: 2.5 ft 76.2 cm 5. Field Recovery Percentage: 83.3%. 6. Core Accepted: Yes y No 7. Processing Recovery Depth: ft 74.5 cm 8. Adjusted Recovery Percentage: 81.5 Drive Notes: Jove freely to 3 ft	_	1 4	A: 0-45 cm B: C: D:
Shoe Description: See processing log	Sediment type maisture	color minor mod	ifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen biota	, layering, anoxic	layer, debris, plant matter, shells,
Notes: About 1.2 ft from target			

Windward Sediment Co	re Collection Fo	orm Page Z of 2
Project: LOW ACY- Phase II Date: Jun 7, 2021 Weather: 705, Sunny Logged By: EM		606
Field Collection Coordinates: Lat/Northing: 194-700.16	Long/Easting: /2	
DTM Depth Sounder: 3.944 DTM Lead Line: 50 14 Height:		Recovery Measurements (prior to cuts)
1. Core Tube Length: 5 ft 2. Penetration Depth: 4 ft 121.9 ct 3. Headspace Measurement: 1.2 ft 4. Field Recovery Depth: 3 8 ft 1/5.8 ct 5. Field Recovery Percentage: 95 /. 6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 113.5 ct 8. Adjusted Recovery Percentage: 93. Drive Notes:	<u>cm</u>	Core Sections To Process: A: 0-45 cm B: C:
Drave freelig with Sime resiste. for first foot	nce	D:
Shoe Description: See processing log		
Core Field Observations and Description:	Sediment type, moistu constituents, odor, she biota	ure, color, minor modifier, MAJOR modifier, other een, layering, anoxic layer, debris, plant matter, shell
*		
Notes: About 7.7 ft from target		

Windward Sediment Core Collection Form Project: ADUL Dhu 22 Location ID: 607
Project: AOUF Phase Location ID: (a) + Date: 07.04.2 Attempt No.: 1 Weather: (a) S SUNNY WIND Logged By: 7 TO Core Type: Intertidal Subtidal Shoaling Field Staff: 7D DD T
Field Collection Coordinates: Lat/Northing: 47,524181 A. Water Depth DTM Depth Sounder: 15,4 ft DTM Lead Line: 6 wind low and
Shoe Description: full, stiff, sandy/clay/silt.
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota Sheat material -12.94 to -15. Ft muw = 2.06 ft = 62.80 (0-4)(4-6.1)(6.1-6.5) 3 segments.
Notes:

Wind ward	Sediment Core	Collection Fo	orm	Page <u></u>
Project: AOCH Phase Date: 07-13-21 Weather: 405 SUNNY- Logged By: TDO	2 venast	Attempt No.: Location ID: 608 Attempt No.: Location ID: 608 Core Type: Intertion Field Staff: 10	42	Shoaling
Field Collection Coordinates: Lat/Northing: 47.524	012_	Long/Easting:	122.3093	601
A. Water Depth DTM Depth Sounder: MA DTM Lead Line 3. 3	Time: 0 6	5 9	_ +6.5	levation (ft MLLW) 3 asurements (prior to co
2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percenta Drive Notes: Dept. Freefact Lange Angle Angle African	1.4 cm 1.		1 4	Core Sections To Produce A: Suprough 10 A C: A - C D:
Core Field Observations and		constituents, odor, she	re, color, minor mo een, layering, anoxi	difier, MAJOR modifier, oth c layer, debris, plant matte
(0-4,0)(4,0-6,2)	(62-64) 3	Segments		

Wind ward	Sediment Co	re Collection Fo	orm	$_{Page} = 3_{of} = 3_{of}$
Project: NOUP Project: Date: 07.07-21 Weather: 08.00000000000000000000000000000000000	- windy	Attempt No.: 3 Core Type: Intertion Field Staff: 10		
Field Collection Coordinates: Lat/Northing:	72_	Long/Easting:	12,309073	
A. Water Depth DTM Depth Sounder: NAME DTM Lead Line: 10.3	Time: (Recovery Measurer	on (ft MLLW) ments (prior to cuts)
Core Collection Recovery De 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 50 5. Field Recovery Percentage: 6. Core Accepted (Yes) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percenta Drive Notes: 2.5 A Gay	70 ft c 2.3 2.10 51 ft c 4.9 ft c ge: (9.9%	m 3 m		ore Sections To Process: See prousing Tog CA-F)
Shoe Description: empl	5, tr. med	d-f. sand		N -
Core Field Observations and	Description: (5.3-513) (5.5-5.9)	Sediment type, moistu constituents, odor, she biota		MAJOR modifier, other debris, plant matter, shells,
Notes:			я	2 Å

Windward Sed	liment Core Collection For	m Page / of /
Project: LOW ACCY-Phase II Date: July 8, 2021 Weather: 60, cloudy Logged By: KM	Attempt No.: / Core Type: Intertidal Field Staff: KM, 6	Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 1996 73.03 A. Water Depth DTM Depth Sounder: 8.2 ft DTM Lead Line: 8.5 ft Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 3. Headspace Measurement: 2.1 ft 4. Field Recovery Depth: 2.5. Field Recovery Percentage: 837 6. Core Accepted: (Yes) / No	Time: 1030 Height: -0.98 ft Source: LOW RTK Tide Station 5 ft 106.7cm ft 68.4 cm	C. Mudline Elevation (ft MLLW) - 9.5 - 14 MLLW Recovery Measurements (prior to cuts) Core Sections To Process A: 0-60 CM B: C: D:
Shoe Description: See processor Core Field Observations and Desc	Sediment type, moisture,	color, minor modifier, MAJOR modifier, other, layering, anoxic layer, debris, plant matter, she
Notes: About I ft from target		

Windward Sedin	nent Core Collection	n Form Page <u>之</u> of
Project: LOW AOCH - Phase II Date: Tily 7, 2021 Weather: Sunny, 70s Logged By: KM		
Field Collection Coordinates: Lat/Northing: 194560-91		127 578).50
A. Water Depth DTM Depth Sounder: 4.45 ff DTM Lead Line: 5 ff	Time: 1610 Height: 9.85 /4 Source: LOW KTK	ments C. Mudline Elevation (ft MLLW) 4.85 44 MLLい Recovery Measurements (prior to cuts
3. Headspace Measurement: 212 17	ft 52 cm	Core Sections To Proce A: 0-45 cm B: C: D:
Shoe Description: See processing	, -	noisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Descrip		r, sheen, layering, anoxic layer, debris, plant matter, s
Notes: About 6.4 ft from targ	o.t	

	Windward Sediment Con			Page <u>/</u>
1	Project: LDW ACLY-Phase 11 Date: Trly 8, 2021 Weather: 60, cloudy	Attempt No.: / Core Type: Inte	rtidal (Subtidal) SI	noaling
4	Logged By: KM	rieid Stail. /C/	1,63,141	
	Field Collection Coordinates: Lat/Northing: / 94595.32	Long/Easting: /	275851.25	
	DTM Depth Sounder: 4.3 ft Time: /		ents C. Mudline Elev	ation (ft MLLW)
	Source:	LOW RTK	Recovery Measu	rements (prior to c
	Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 9 ft /2/.90 3. Headspace Measurement: 1.3 ft 4. Field Recovery Depth: 3.7 ft 1/2.8 cd 5. Field Recovery Percentage: 937.	<u>m</u>	3	Core Sections To Pro
	6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 145 c 8. Adjusted Recovery Percentage: 92.7 113 Drive Notes:			3:
)	drave fruely to depth			O;
	Shoe Description: dark gray, no odor, fin	e sand and SiH	<i>t</i>	
	Core Field Observations and Description:	Sediment type, mois constituents, odor, s biota	sture, color, minor modifie sheen, layering, anoxic lay	r, MAJOR modifier, otl er, debris, plant matte
	Notes:			

Windward Sediment Core	e Collection For	m Page <u>/</u> of <u>/</u>
Project: LOW AOCY - Phase Date: Try 8, 2021 Weather: Los, cloudy Logged By: KM	Attempt No.: / Core Type: Intertida Field Staff: Km, C	Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 194540 40 A. Water Depth DTM Depth Sounder: 8.5 ff DTM Lead Line: 7.8 ff Core Collection Recovery Details: 1. Core Tube Length: 5 ff	0.54ft DWRTK Hollstation	C. Mudline Elevation (ft MLLW) - 9, 0 ff MLLW Recovery Measurements (prior to cuts)
2. Penetration Depth: 3.8 ft //5.8 cm 3. Headspace Measurement: / 8 ft 4. Field Recovery Depth: 3.2 ft 97.5 cm 5. Field Recovery Percentage: 84 // 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 97.5 cm 8. Adjusted Recovery Percentage: 94.2 Drive Notes: Sour Greely to Septh	<u></u>	Core Sections To Process: A: 0-60cm B: C: D:
Shoe Description: see processing lug	Sediment type moisture	color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheer biota	n, layering, anoxic layer, debris, plant matter, shell
Notes: About III off target		
110011 111 111 111 111	19	

Windward Sediment Core Collection Form
Project: POC4 Phair 2 Date: OF OF S Weather: Louis Duckest, wind Logged By: Field Staff: TD, DD, TI
Field Collection Coordinates: Lat/Northing: 47.573551 Long/Easting: 122, 307598 B. Water Level Measurements C. Mudline Elevation (ft MLLW) DTM Depth Sounder: UA- DTM Lead Line: 7.2 44 Height: †8.17 44 1513
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Drive Notes: D. & Augusted Recovery Percentage: Drive Notes: D. & Augusted Recovery Percentage: D: Recovery Measurements (prior to cuts) Recovery Measurements (prior to cuts) Core Sections To Process: A: Sle process: A: Augusted Recovery Percentage: D: D:
Shoe Description: JK gran clay sit wix Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,
Core Field Observations and Description: (0-3,2)(3,2-3.6) 2symular constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, blota
Notes: ENR

Windward Se	diment Core Collection Form
Project: AOCH Phys. 2 Date: OT. DT. 2 Weather: 1005 purcust, u Logged By:	Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: DD T
Field Collection Coordinates: Lat/Northing: 47,523280	Long/Easting: 172.307413
A. Water Depth DTM Depth Sounder: ント DTM Lead Line: 一子・多・月・	B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1540 Height: +9.13 Pt Source: D. Park Recovery Measurements (prior to cuts)
6. Core Accepted Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Drive Notes:	Station
Shoe Description: Sity black	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Des	Laborated the second se
(0-3.2/3.2-3.6)	L Somewo
Natari	
Notes: ENR	

Windward Sediment Core	Collection Fo	orm	Page 1 of 1
Project: ACLY Phase 2 Date: 07.07.2) Weather: 605, sinny wind Logged By: 750	Attempt No.: Core Type: Intertion Field Staff:		Shoaling
DTM Depth Sounder: VA Time: 10 DTM Lead Line: ~ 9,2 - 9 Height: -	Level Measurement	+0.9	levation (ft MLLW)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 1. Or Aff August Au	- - -	1 4	Core Sections To Process: A: See processing B: Furm C: A C D:
Shoe Description: black, f. grain days	J	re color minor mos	difier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, she biota	en, layering, anoxic	aller, MASOR mounter, other layer, debris, plant matter, shells,
Notes:			
ENR	*		

Field Staff: &	ntertidal Subtidal M. RM, ES 1276165.42 ements C. Mudline E - 8, 9, 44	Elevation (ft MLLW)
Water Level Measure me: 1015 eight: 8.25 burce: COW RTX fide Station 1.9 cm 8.9 cm	Recovery Me	Core Sections To Proce
Sediment type, m	noisture, color, minor mo	difier, MAJOR modifier, othe
biota		
	Sediment type, n	Sediment type, moisture, color, minor mo constituents, odor, sheen, layering, anoxi

Windward Sediment Core	Collection	n Form	Page O of U
Project: LOW AOC4 - Phase II Date: 8.2.2021 Weather: Sunny, 705	Location ID: Attempt No.: Core Type: () Field Staff:		
avNorthing.	P.T.	ements C. Mudline Elevation	 (ft MLLW)
OTM Depth Sounder: 10.55 ft OTM Lead Line: 10.0 ft Source: L	1513 9.15 DW PTK Adestahun	Recovery Measuremen	
1. Core Tube Length: 9 ft 213A cm 2. Penetration Depth. 8 ft 7 ft ft 243.5 cm 3. Headspace Measurement: 2.15 ft 4. Field Recovery Depth: 6.85 ft ft 208.8 cm 5. Field Recovery Percentage: 97.9 ft 6. Core Accepted: Yes // No 7. Processing Recovery Depth: ft cm 8. Adjusted Recovery Percentage: 83.7 ft Drive Notes:	176	Core :	Sections To Process:
Shoe Description: See processing, lug Core Field Observations and Description:	Sediment type, constituents, od biota	moisture, color, minor modifier, MAJo dor, sheen, layering, anoxic layer, det	OR modifier, other ris, plant matter, shell
Notes: Abut 1-2 ft from toward location.			

Windward Sediment Core Collection Form Page 2 of 2
Project: ANCH PMEZ Date: OF 1424 Weather: 505 Overrad Logged By: TD0 Logged Staff: DD TI
Long/Easting: 172.307171 A. Water Depth B. Water Level Measurements C. Mudline Elevation (ft MLLW)
Source: www jerk the Recovery Measurements (prior to cuts) Source: www jerk the Recovery Measurements (prior to cuts) Source: www jerk the Recovery Measurements (prior to cuts) Shadian Recovery Measurements (prior to cuts) Shadian Core Sections To Process: A: See pacessing A: See pacessing B: form C: A -> F D: Drive Notes: Of the Gall The there are a victor feasily The there are a victor feasily To Gul pen
Shoe Description: Empty. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota (0-4.0)(A.0-5.2)(5.3 to 5.7) 3 Segments
Notes: Moved off target away from bulkhead wall to avoid slag and viprap (~ 24 ft off target 246)

Windward Sedimen	t Core Collection Fe	orm	Page /_ of /
Project: LOW AOCY - Phase II Date: Toly 8, 2021 Weather: (D, clossy Logged By: KM	Location ID: SC Attempt No.: / Core Type: Intertified Staff: KM	idal (Subtidal) Shoal	
DTM Depth Sounder: 7-5 ft DTM Lead Line: 8.0 ft	eight: -1.0 ff ource: RTK tide station LOW 15.8 m 21.9 cm	Recovery Measurem	
Shoe Description: 520 processing leg		ure, color, minor modifier, Ma	A IOP modifier other
Core Field Observations and Description		een, layering, anoxic layer, o	lebris, plant matter, shells,
Notes: About 6 ft from target			

		of
	Project: AOCH Phase 2 Date: ATT 21 Weather: 605 Samy, ward Logged By: 700	
	Field Collection Coordinates: Lat/Northing: 47, 522725 A. Water Depth DTM Depth Sounder: V3 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1702 +2.16 G)
	Core Collection Recovery Details: Height: +10.76.ft Source: DW DTK hade Recovery Measurements (prior to	o cuts)
. ()	1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4.2 4. Field Recovery Depth: 3.4 ft cm	Process:
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, constituents, odor, sheen, layering, anoxic layer, debris, plant mabiota (0-3.4) (3.4-3.5) 7 Segments	other atter, shells,
	(0 5.4) (5.4 5.7 2 3)	
	Notes: ENR	

Windward S	Sediment Core Collection Fo	orm Page of 2
Project: AOUU Phase 2 Date: 01 0+ 2; Weather: 10; Sunny, Logged By: 1	Attempt No.: 2	26
Field Collection Coordinates: Lat/Northing: 47.5222	28 Long/Easting: (2	2307075
A. Water Depth DTM Depth Sounder: WA DTM Lead Line: - 9,2	Time: 1832 Height: + 10,89 Source: (by) ext fac	Recovery Measurements (prior to cuts)
5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage Drive Notes: 1/2 + Wottle, 5	ft cm h2 b: 4 ft cm FT: 6	Core Sections To Process: A: Sel process, ng B: log C: A-C D:
Shoe Description: & gray Core Field Observations and D	escription: constituents, odor, sho	ure, color, minor modifier, MAJOR modifier, other leen, layering, anoxic layer, debris, plant matter, shells,
(0-3,4)(3,4-	3.8 2 Segruts	
Notes: DR		

20.7

Windward Sediment Core	e Collection Form
Project: LDW Accy - Phase II	Location ID: 17627 Attempt No.: / Core Type: Intertidal Subtidal Shoaling Field Staff: EM, ES, RM
Field Collection Coordinates: Lat/Northing: 194005-51	Long/Easting: 1276360.03
DTM Depth Sounder: 3 3 ff DTM Lead Line: 3.3 ff Core Collection Recovery Details: 1. Core Tube Length: 5 ff 2. Penetration Depth: 4 ft 121.9 cm 3. Headspace Measurement: 1.2 ff	Recovery Measurements (prior to cuts) A de station Core Sections To Process:
4. Field Recovery Depth: 3.8 ft 115.8 cm 5. Field Recovery Percentage: 95 /. 6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 111.5 cm 8. Adjusted Recovery Percentage: 91.5 Drive Notes: drove freely fo depth	$\frac{A}{C} = \frac{A}{C} = \frac{A}$
Shoe Description: See processing log	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota
	THE
Notes: About 6.3 ft from target	

Windward Sediment Core	re Collection Form
Project: ACCY PhaseZ Date: 0720 Zi Weather: (005, overlast Logged By: 1770	Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: Core RM
Field Collection Coordinates: Lat/Northing: 194273.24	Long/Easting: 1276058,10
DTM Depth Sounder: 16.44 Time: 1 DTM Lead Line: 1/4 Correct Height: 4	Now et & fide Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Asserted (Very 1997)	Core Sections To Process $ \underline{A: ()-67.3} $
6. Core Accepted: Yes Depth: ft 155 cm 7. Processing Recovery Depth: ft 155 cm 8. Adjusted Recovery Percentage: 48.4 Drive Notes:	1
Shoe Description: 511/5and	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota
	to -15.0 ft MUW 14 ft / 28.7 cm
©	
Notes:	

Windward Sediment	Core Collection Form
Project: AOCH PhaseZ	Location ID: 629
Date: 06 30.21	Attempt No.:
Weather: 605 Dtlu clarky wind	Core Type: Intertidal (Subtidal) (Shoaling)
Logged By: TDV	Field Staff: J.D., DD. TT. DB
- ogg j,	
Field Collection Coordinates:	
Lat/Northing: 47,522942	Long/Easting: (22.307872
A. Water Depth B. W	later Level Measurements C. Mudline Elevation (ft MLLW)
	-13.52
DTM lead line: - 21.9 84 Heigi	ht: + 8.08
Sour	ce: Low 12712 High Recovery Measurements (prior to cuts)
	Station
Core Collection Recovery Details:	3
1. Core Tube Length: 1ら 件。	<u> </u>
2. Penetration Depth: 14.D ft	<u>cm</u>
3. Headspace Measurement:	Core Sections To Process:
4. Field Recovery Depth: 13.0 ft	cm See processing
5. Field Recovery Percentage: 92.9	A: 109 U
6. Core Accepted: (Yes) No	$ \downarrow$ \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow
7. Processing Recovery Depth: 12.6 ft	<u>cm</u> 1 4 B: H - Z
8. Adjusted Recovery Percentage: 🙌 🧣	
Drive Notes:	
6.25 Ch. free Gail.	
steady even drive, but pro	ssure D:
drove until til penetrati	
arive untitul benchat	
to	
Shoe Description: woody Does Sun	dy silt, vivet.
Since Description: Well 1 1/23, 30-4	,e-j 3, • b-e1.
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter,
	biota
Shoaling material -13.52 to	0-15=1.48 A./45.1 CM
10-47/4-8)(8-12.6)(12.6 to	
(0 4)[4 3 /(3 12.0)(12.0)	
2 2 2	
Notes:	20: 4
	,
8 8	4 8 m

,

	Windward Sediment Core Collection Form
	Project: AOCY Phase Location ID: 130 Date: 07 1321 Weather: 405 Sunny Logged By: 100 Logged By: 100 Location ID: 130 Attempt No.: 1 Core Type: Intertidal (Subtidal) Shoaling Field Staff: 10 DD
	Field Collection Coordinates: Lat/Northing: 47. 522190 Long/Easting: 122.307.370
	A. Water Depth DTM Depth Sounder: 8A 44 DTM Lead Line: ~ 8 5 64 Core Collection Recovery Details: B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 12 6 Height: +0.39 64 Source: 20 07 7 7 de Recovery Measurements (prior to cuts)
	1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (es) / No 7. Processing Recovery Depth: (es) 2 ft cm B: 3 Core Sections To Process: A: Specific
	8. Adjusted Recovery Percentage: gr. le Drive Notes: 4. I A fractail 1/4 thorse easy drive to full per
\bigcirc	very soft, with succion during 1 ast portion of retrieval
	Shoe Description: firm sandy silt, petroleum/hydrocoubon odar
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	(0-40)(40-33)(73-7.7) 3 segments
	Notes: Very soft bottom fram likely sunk into surface and collecting Surface and entering the coving live. No material pushed past the piston at top (no loss of material through top of core trus)

Windward Sediment Core Collection Form
Project: AOCH Plusc2 Date: 0:7.12.21 Weather: 605 50 noy Logged By: 710 Logged By: 710 Location ID: 632 Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: 710 DD TT
Field Collection Coordinates: Lat/Northing: 47 5 22 1 09 Long/Easting: 122.306837
A. Water Depth DTM Depth Sounder: DA DTM Lead Line: -3. B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: CA26 Height: +10-17 Source: CACC PROOF Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Res) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. 41. Drive Notes: 2. Afternali 1. Agent Advance to D: Core Sections To Process: A: Sol process: A: All process:
Shoe Description: She empty
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota
Notes:

Windward Sediment Core	e Collection Form
Project: AOCH Phase2 Date: D7-17-21 Weather: 605 Sunm Logged By: Too Field Collection Coordinates:	Attempt No.: Core Type: Intertigal Subtidal Shoaling Field Staff: D D T
DTM Depth Sounder: Time: 13 DTM Lead Line: -4, 4, 4 Height:	Core Sections To Process: A: 500 process.
Shoe Description: 1/2 Call w/med - San	d.
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	

Windward Sediment	Core Collection Fo	orm Pag 3 of 3
Project: April Physiz Date: Of 1424 Weather: 1605 avenual Logged By: Tp0	Attempt No.: Core Type: Intertion Field Staff: 70	3
Field Collection Coordinates: Lat/Northing: 47.521740 A. Water Depth DTM Depth Sounder: 44 DTM Lead Line: -5.3 4 Heig	ti + 6.21 Pt ce: UPW etc. fille Souther	Recovery Measurements (prior to cuts) Core Sections To Process: A: A - 6 Sce cove B: processing log C:
Shoe Description: five Sand, loose	Sediment type, moistur	re, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, she biota	en, layering, anoxic layer, debris, plant matter, shells,
Notes: Morred Il from target	to avoid de	W-

Windward Sediment Cor	e Collection Form
Project: LDWAOCY-Phase Date: Tvy 8, 2021 Weather: 60s, perfy ssmy Logged By: LM	Attempt No.: / Core Type: Intertidal Subtidal Shoaling Field Staff: EM, ES, RM
DTM Depth Sounder: 3.2 ft DTM Lead Line: 3.2 ft Height:	Long/Easting: 1276366.45 Level Measurements C. Mudline Elevation (ft MLLW) 1,1 ft MLLW 1,33 ft Recovery Measurements (prior to cuts)
	Core Sections To Process: A: 0-45 cm B: C:
Shoe Description: See processing log Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,
	biota
Notes: About 1-2 ff from farget	.2

Windward Sediment Co	ore Collection Fo	rm	Page L of
Project: ADCH PhaseZ Date: ADCH PhaseZ Weather: ADS SUNAY Logged By: TDD	Attempt No.: Core Type: Intertion Field Staff:	1	noaling
Field Collection Coordinates: Lat/Northing: 47.521535	Long/Easting: 122		
DTM Depth Sounder: Time: DTM Lead Line: 10.7.4. Height:	+10.54 Ct Hale	+0.16	rements (prior to cuts)
3. Headspace Measurement: 2.0 4. Field Recovery Depth: 6.4 ft 5. Field Recovery Percentage: 100 D 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: 6.3 ft 1925 8. Adjusted Recovery Percentage: 98.4 Drive Notes: 8. Fru fall 51 Du alwanie at fru flue easy advance at fru flue easy advance at refuse 6.4 ft 1.4 ft	cm cm cm cm		Core Sections To Process: See processing in log. in A - F
Shoe Description: Core Field Observations and Description:	Sediment type, moistur	re, color, minor modifie	r, MAJOR modifier, other er, debris, plant matter, shells
(0-0.3)(0.3-4.3)(4.3-	biota	A segm	
Shouling makind + 0.11	15 PL	Munt Ty	}-
•			
Notes: (Misjudged cut bration	of 1st inter	ral)	

Windward Sediment Core Collection	n Form
Project: LDW A0C4- Phase II Date: 76.2021 Weather: Sunny, 768 Logged By: Sp. Field Staff:	
Field Collection Coordinates: Lat/Northing: 193752.20 Long/Easting: A. Water Depth DTM Depth Sounder: 15.0 ft DTM Lead Line: 14.5 ft Height: 10.42	ements C. Mudline Elevation (ft MLLW)
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4 ft ft 121.9 cm 3. Headspace Measurement: 25 1.6 ft 4. Field Recovery Depth: 3.3 ft 103.6 cm 5. Field Recovery Percentage: 8590 6. Core Accepted: (Yes.) No 7. Processing Recovery Depth: ft 102 cm 8. Adjusted Recovery Percentage: 83 7 Drive Notes: Anc freely to target penetrahan Very Soft material.	Core Sections To Process: A: 0.45cm B: C: D:
Shoe Description: Sediment type, n Core Field Observations and Description: Sediment type, n constituents, odd biota	noisture, color, minor modifier, MAJOR modifier, other or, sheen, layering, anoxic layer, debris, plant matter, shells
Notes: About 5.1 ft from target.	

	15		
×	X		
Windward Sediment Co	re Collection F	orm	Page of
Project: LDW AOCA - Phase 11	Location ID: 17	639	
Date: 7.6.2021	Attempt No.:		
Weather: Sunny, 70s/80s	Core Type: Intert		
Logged By: <pre>SE</pre>	Field Staff: SR	RM, ES	
Field Collection Coordinates: Lat/Northing: 19 3684.26	Long/Easting: [275965.29	
A. Water Depth B. Water	er Level Measureme	nts C. Mudline Elevation (ft M	LLW)
DTM Depth Sounder: 12,3 ft Time:	1650	-1.5 ft MLLW	
DTM Lead Line: 12 64 Height:	LOW RTK	Recovery Measurements (p	orior to cuts)
	rde Station	† (
1. Core Tube Length: 5 ft		3	
2. Penetration Depth: 3.5 ft ft 106.7	cm ·		
3. Headspace Measurement: 2 ft		Core Section	ons To Process:
4. Field Recovery Depth: 30C1 ft 91.4	cm		
5. Field Recovery Percentage: 86%		A: 0-41	om
6. Core Accepted: (Yes) / No			
7. Processing Recovery Depth: ft 91:00	cm	1 4 B:	
8. Adjusted Recovery Percentage: 45.3		1 4	
Drive Notes:		T T c:	
freely drove to target penetration	W.		
	-11.	D	
Soft material.			
			7:
	ļ		
		• 🕰	
Shoe Description: Sa pro assivate	54		
	/	2	
Core Field Observations and Description:	Sediment type, moisti constituents, odor, sh biota	ure, color, minor modifier, MAJOR mo een, layering, anoxic layer, debris, pl	ant matter, shells
	Diota		
,			
		-380	
Natao			
Notes:			
About 4 ft from torget.			

Windward Sedim	nent Core Collection F	Form Page 1	age <u>2</u> of
Project: AOCY OWAX Z Date: OF OS 24 Weather: OWAGS 405 Logged By: TOC	Attempt No.: Core Type: Inter	rtidal Subtidal Shoaling	
Field Collection Coordinates: Lat/Northing: 47, 521 629	Long/Easting:	22:307069	
3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: Drive Notes:	Time: 1200 Height: +0.03 A Source: LOW POLITICLE Station. ft cm	Recovery Measurements (pr	ior to cuts
Shoe Description: empty wh	r. spring		
Core Field Observations and Description (0-4)(4-5.1) (5) 5		sture, color, minor modifier, MAJOR mod sheen, layering, anoxic layer, debris, pla	difier, other nt matter, s
Notes:			

Windward Sediment Cor	re Collection Form
Project: LOW AOCY-Phase II Date: July 8, 2021 Weather: Els, Mistry sunny Logged By: KM	Location ID: ITG4/ Attempt No.: _/ Core Type Intertidal Subtidal Shoaling Field Staff: EM, ES, RM
DTM Depth Sounder: 7.7 ft DTM Lead Line: 7.8 ft Source: 4	Recovery Measurements (prior to cuts) That state Core Sections To Process: A: 0-45 cm
Shoe Description: See processing log Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes: About 3.8 ft from target	

Windward Sedimen	t Core Collection Form
Project: POCH PhaseZ Date: 07-12-21 Weather: (aOS Sonny Logged By: TDO	Attempt No.: 3 Core Type: Intertidal Subtidal Shoaling Field Staff: D D T
Field Collection Coordinates: Lat/Northing: 47. 52 513	Long/Easting: 172.306895
DTM Depth Sounder: MA Tir	Water Level Measurements C. Mudline Elevation (ft MLLW) me: 111
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Kes I No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. It 8. Adjusted Recovery Percentage: 9. It 8. Adjusted Recovery Percentage: 9. It 9.	cm cm Core Sections To Process: A: Sol Process: Cm C: A F
Core Field Observations and Description:	
(0-3.0)(4-0-48)(4	8-5,2) 3 Symeots.
Notes: 12 ft. 2010 offs	shore due to wood debriss logs
-17-	

Windward Sediment Core Collectio	on Form
Project: Lnw Aocy-Phose II Location ID:	17647
Date: Till I 2021 Attempt No.:	1
Weather: overiest, 60s Core Type:	IntertidaD Subtidal Shoaling
Logged By: 上州 Field Staff:	SR KM, ES, RM
Field Collection Coordinates: Lat/Northing: /93493. 80 Long/Easting:	: 1276410.27
A. Water Depth B. Water Level Measure	ements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder: 7.27 ft Time: 1345	-22 FT MELW
DTM Lead Line: 7.5 ft Height: 5,32 ft	
Source: LOW RTK	Recovery Measurements (prior to cuts)
Core Collection Recovery Details:	↑ <u> </u>
1. Core Tube Length: 5 f4	
2. Penetration Depth: 4 Ft ft /2/.9 cm	
3. Headspace Measurement: 1,2 f/	Core Sections To Process:
4. Field Recovery Depth: 3.8 ft //5.8 cm	
5. Field Recovery Percentage: 45 %	
6. Core Accepted: Yes / No	
7. Processing Recovery Depth: ft 16 cm	
Y The second sec	1 4 5
	무나니 .
Drive Notes:	
freely drove to terget penetration,	
soft muterial	D:
2017 /1141-1721	
	1 1 1
2	·
	• •
Shoe Description: See processing log	
	in the state of th
Core Field Observations and Description: Sediment type, in constituents, od	moisture, color, minor modifier, MAJOR modifier, other lor, sheen, layering, anoxic layer, debris, plant matter, shells
Core Field Observations and Description.	or, shoon, layoning, allowed layon, about, plant manner,
21010	
Notes:	
Notes: About 3.7 A from target	

environmental	e Collection Form
Project: Phase 2 Date: OF 13 21 Weather: 1005 Sunny Logged By: Tio	Attempt No.: 1 Core Type: Intertidal Subtidal Shoaling Field Staff: DD T
Field Collection Coordinates: Lat/Northing: 47.52565	Long/Easting: 122.306 4 50
DTM Depth Sounder: UA DTM Lead Line: 2.5 A Height: Source: L	Recovery Measurements (prior to cuts)
1. Core Tube Length: 8,0 Pt 2. Penetration Depth: 7 to ft cm 3. Headspace Measurement: 4.5 4. Field Recovery Depth: 6,7 ft cm 5. Field Recovery Percentage: 88.6 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 5,7 ft cm 8. Adjusted Recovery Percentage: 81.4 Drive Notes: 2.6 ft. freefall //4 Hurottle, easy dance to	Core Sections To Process: A: See processing
Shoe Description: empty	
Core Field Observations and Description: $(0-40)(40-5.8)(5.8-6.2)$	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
*	
Notes:	

Windward Sediment Cor	e Collection Fo	orm	Page of
Project: PDCY Phase2 Date: 07-08-21 Weather: 705 sunny Logged By: TD	Attempt No.: 1 Core Type: Intertig		oaling
Field Collection Coordinates: Lat/Northing: 47,520,969	Long/Easting: 17	2:305834	140
DTM Depth Sounder: Time: 16 DTM Lead Line: -4.10 C+ Height:	Level Measurement 26 + 9 66 pw 274 tide	- 15.06	rements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 93.4 / Leother Casy drive Shoe Description: Swee Empty.	<u>n</u>	1 4 B C C	log) : A-6
7.0	Sediment type, moistur	re, color, minor modifier	, MAJOR modifier, other
Core Field Observations and Description: (0-4)(4-6-1)(6-1-6-5)	constituents, odor, she biota	en, layering, anoxic laye	er, debris, plant matter, shells,
Netec			
Notes:			
	3		

Windward Sediment Core Collection Form
Project: AOCH Phase Date: 072021 Weather: 605 overast Logged By: 100 Logge
Field Collection Coordinates: Lat/Northing: A7-520986 A. Water Depth DTM Depth Sounder: U/A B4 DTM Lead Line: - 2.8 B B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1434 1444 1444 1444 1444 1444 1444 144
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. 6 ft cm 5. Field Recovery Percentage: 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 74. 5 Drive Notes: 0.3 ft face fall 14 /
Shoe Description: 70% Cut, br. same Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
(0-3.0)(3.0-5.2)(5.2 to 5.6)
Notes: MINDER TO AMERICAGICAL MONITOR LOCATION 229°

Windward Sediment Co	ore Collection	Form	Page <u> </u>
Project: LOW ACCY	Location ID: /	T651	
Date: Toly 8, 2021	Attempt No.: /		
Weather: 60s, cloudy	Core Type: Inte	ertidal Shoaling	
Lagged Bus Ken	Field Staff: KA	1 ES RM	
Logged By: M	Tield Otali. pp	1,03,72.1	
Field Collection Coordinates: Lat/Northing: 193403.70	Long/Easting: /	1276451.28	
B Wat	or Lovel Messurem	ents C. Mudline Elevation (ft M	ILLW)
A. Water Depth B. Water DTM Depth Sounder: 2.0 Ff Time: 4		-1.4 ft MLLW	
DTM Lead Line: 1,4 ft Height:	LOW RTK	Recovery Measurements (p	orior to cu
Source	tide station	(Learning of the Control of the Cont	
Core Collection Recovery Details:	1	3	
1. Core Tube Length: 5 ft		3	
2. Penetration Depth: 3.6 ft 109.7	cm		
3. Headspace Measurement: 1.9 ft):	Core Section	ons To Proc
4. Field Recovery Depth: 3.1 ft 94.5	cm		
5. Field Recovery Percentage: 86 /.	 31	A: 0-45	SCM
6. Core Accepted: (Yes) / No			
7. Processing Recovery Depth: ft 90.5	cm	B:	
8. Adjusted Recovery Percentage: 82.5		1 4 -	
Drive Notes:		'구' '구' c:	
drive freely to depth			
		D;	
Shoe Description: See processing log			
Shoe Description: See processing log	Sediment type mo	isture color, minor modifier, MAJOR m	odifier, othe
Shoe Description: See processing log Core Field Observations and Description:	Sediment type, mo constituents, odor, biota	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, other
Core Field Observations and Description:	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe lant matter,
Core Field Observations and Description: Notes:	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe
Core Field Observations and Description:	constituents, odor,	isture, color, minor modifier, MAJOR m sheen, layering, anoxic layer, debris, pl	odifier, othe

Windward Sediment Core Collection Form
Project: 170CH Phase2 Date: 07-12-21 Weather: 1005 SUNNY Logged By: TDO Location ID: 165Z Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff: TD, DD, TT
Lat/Northing: 47,520600 Long/Easting: 122, 30631 A. Water Depth DTM Depth Sounder: 1/A DTM Lead Line: -6,9 44 Height: +7.01 He
Shoe Description: Shoe is empty
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells biota
Notes:

4 Field Pecovery Denth: 2.7 ft cm	Windward Sediment Cor	e Collection Fo	rm	Page of
Lat/Northing: 47, 500 657 A. Water Depth DTM Depth Sounder: 1/1 Time: 080 4 DTM Lead Line: - 5, 4 Cf Core Collection Recovery Details: 1. Core Tube Length: 50 Gf. 2. Penetration Depth: 7-10 ft. cm 3. Headspace Measurement: 0.8 4. Field Recovery Depth: 7-10 ft. cm 3. Headspace Measurement: 0.8 6. Core Accepted: (Yes No. 7). Processing Recovery Depth: 6, 5 ft. cm 8. Adjusted Recovery Percentage: 102-9 Drive Notes: 2. T. C. Core Tube Length: 50 Gf. 2. Penetration Depth: 6, 5 ft. cm 8. Adjusted Recovery Percentage: 102-9 Drive Notes: 2. T. C. Core Sections To Procesting Recovery Depth: 6, 5 ft. cm 8. Adjusted Recovery Percentage: 12 9 7e Drive Notes: 2. T. C. Core Tube Length: 70 Gf. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, slibida Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, slibida	Date: 07-12-21 Weather: 60, SUNAY	Attempt No.: Core Type: Intertion	Subtidal	
Shoe Description: full show w sandy sitt. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, st biota (0-4.0)(4-0-6.9)(6.9-7.2) 3 Segments	A. Water Depth DTM Depth Sounder: DTM Lead Line: ~ 5 . 4 Ct Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes No 7. Processing Recovery Depth: 6.5 ft cr 8. Adjusted Recovery Percentage: 12 9 76	Level Measurement DROG + 8. 109 ft. DW PTZ ride Station	Recovery Me	clevation (ft MLLW) assurements (prior to cuts) Core Sections To Process A: See Process B: Form
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sl biota	pen depth (7.0 (t)			D:
Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sl biota constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sl biota	Shoe Description: Full show W/ sandy)		9
Notes:		constituents, odor, she biota	en, layering, anoxid	difier, MAJOR modifier, other c layer, debris, plant matter, sh
Notes:	V.			
Notes:		19		9
Notes:				
Notes:				_12
	Notes:			
				B

Windward Sediment Cor	re Collection Form
Project: MOCH Phax2 Date: 070821 Weather: 705 Sonny Logged By: TOO	Attempt No.: Core Type: Intertidal Subtidal Shoaling Field Staff:
Field Collection Coordinates: Lat/Northing: 47.520697	Long/Easting: 122, 305 783
DTM Depth Sounder: VX Time: 10 DTM Lead Line: ALC Ct. Height:	r Level Measurements C. Mudline Elevation (ft MLLW) 547 4 12 Recovery Measurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes/ No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 92.97/ Drive Notes: 1.5 A frufall 225 dance and rethroughts applications applications.	Core Sections To Proces A: Solprous (B: C: A-G C: A-G
Shoe Description: Shall empty.	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sh biota
(0-4)(4-6.1)(6.1-6.5) 350	egnats
**	
74	
ya ya	
Notes:	
*	

Windward Sediment Cor	e Collection Fo	rm	Page 2 of 2
Project: MOCH PWISE 2 Date: 97.19.71 Weather: 705, 50744 Logged By: TOO	Attempt No.: Core Type: Intertion Field Staff: To	laD Subtidal	Shoaling B IA
Field Collection Coordinates: Lat/Northing: 47.520 742	Long/Easting: 1/22		
DTM Depth Sounder: MA Time: 15 DTM Lead Line: -3.2 CF Height:	+9.38 ft.	16.18	surements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: Yes J No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. Adjusted Recovery Percentage: 1. Adjusted Recovery	<u>n</u>	1 4	Core Sections To Process: A: A - F See processing B: (oga.) C:
Shoe Description: empty Core Field Observations and Description:	Sediment type, moistur constituents, odor, shed biota	e, color, minor modif en, layering, anoxic la	ier, MAJOR modifier, other ayer, debris; plant matter, shells,
(0-4.0)(4.0-5.5)(55-5.9)	3 Segments		
	Siprap, at to	و	

Windward	Sediment Core Collectio	on Form
Project: LOW AOCY - PI Date: Truy 8, 2021 Weather: 60s, cloudy Logged By: KM	Attempt No.: Core Type:	iT656
Field Collection Coordinates Lat/Northing: 193272.20 A. Water Depth DTM Depth Sounder: 24ft DTM Lead Line: 26ft	B. Water Level Measure Time: 1225 Height: 0.42 ft Source: Low RTK	rements C. Mudline Elevation (ft MLLW) -2.0 ff MLW Recovery Measurements (prior to cuts)
Core Collection Recovery Do 1. Core Tube Length: 5 ft 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth 8. Adjusted Recovery Percent Drive Notes:	3.8 ft //5.8 cm //3.7 ft //2.8 cm 2.7 ft //2.8 cm i. ft //0.7 cm age: QQ.47	Core Sections To Process A: 0-45 cm B: C: D:
Shoe Description: 500 pr	Sediment type.	moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and	d Description: constituents, od biota	dor, sheen, layering, anoxic layer, debris, plant matter, she
Notes: About 2.4 ft from	da cart	
NOUVI COT ET TIME	has ale 1	

S.	Windward Sediment Core Collection Form Page 2 of 2
	Project: PAO CH Phase 2 Location ID: 657
7 1	Date: 67 13 21 Attempt No.: 2
	Weather: 60's overlast Core Type: Intertidal Subtidal Shoaling Field Staff: TD DD TT
	Logged By: TDO Field Staff: TD DD TT
	Field Collection Coordinates: Lat/Northing: 47.520332 A. Water Depth DTM Depth Sounder: 44.44 DTM Lead Line: 6.64 Core Collection Recovery Details: 1. Core Tube Length: 8.0 Ct Long/Easting: 127.306246 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1020 Height: +5.43 Source: WW ETC Tybe: Recovery Measurements (prior to cuts)
	2. Penetration Depth: 7.0 ft cm
	3. Headspace Measurement: 2.1 Core Sections To Process:
	4. Field Recovery Depth: 5.9 ft cm 5. Field Recovery Percentage: 54.3
	6 Core Accepted: (Yes / No
	7. Processing Recovery Depth: 5.5 ft cm
	8. Adjusted Recovery Percentage 19. (
	Drive Notes:
	2.4 of freefall
	74 threthe, Easy active
1	sowing down at N4 ft.
1	rounds off at 5 ft to full pen.
	rounds off at 5 ft to full pen.
	• • • • •
	Shoe Description: EMPty
	1 . 4
	Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	(0-40)(4.0-55)(55-59) 3 segments
	OF .
	Natagi
	Notes:

Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 4. Field Recovery Depth: 5. D	Date: 12.13.24 Weather: 10.9 Drewellst Logged By: 100 Field Collection Coordinates: Lat/Northing: 47.520369 A. Water Depth DTM Depth Sounder: VA DTM Lead Line: -5,2 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: CDD Height: 47.5004 Height: 47.504 Core Collection Recovery Details: 1. Core Tube Length: 47.0 ft cm 2. Penetration Depth: 47.0 ft cm 3. Headspace Measurements: 1.2 4. Field Recovery Depth: 47.0 ft cm 5. Field Recovery Depth: 47.0 ft cm 5. Field Recovery Percentage: 94.1 6. Core Accepted (Ses) No 7. Processing Recovery Depth: 6.4 ft cm 5. Field Recovery Percentage: 94.1 Core Sections To Proce A. Sell Orders B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: CDD Recovery Measurements (prior to cuts Core Sections To Proce A. Sell Orders B. Oa A. Sell Orders	Wind ward	Sediment Core Collection F	Page oi_
A. Water Depth DTM Depth Sounder: PA DTM Lead Line: -5,2 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: GOI Height + 5, 04 ft Source: WW DTK + Accepted Measurements (prior to cuts Core Collection Recovery Details: 1. Core Tube Length: 5,0 ft 2. Penetration Depth: 4,0 ft 3. Headspace Measurement: 1,2 4. Field Recovery Depth: 6,4 ft 5. Field Recovery Percentage: 9,1 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: GOI Height + 5, 04 ft Source: WW DTK + Acc Core Sections To Proce A. DU PICLESS 6. Core Accepted (165) No 7. Processing Recovery Depth: 6,4 ft The fluid Recovery Percentage: 9,1 Drive Notes: 1 Of the faul Ya throttle + thru 12 ftwettle Pasy retrieval w/ similar Recovery Measurements (prior to cuts Core Sections To Proce A. Du PICLESS B. D. A. Du PICLESS Core Sections To Proce A. Du PICLESS B. D. A. Du PICLESS Core Sections To Proce A. Du PICLESS B. D. A. Du PICLESS Core Sections To Proce A. Du PICLESS B. D. A. Du PICLESS Core Sections To Proce A. Du PICLESS B. D. A. Du PICLESS Core Sections To Proce A. Du PICLESS B. D. A. Du PICLESS Core Sections To Proce A. Du PICLESS B. D. A. Du PICLESS Core Sections To Proce A. Du PICLESS B. D. A. Du PICLESS Core Sections To Proce A. Du PICLESS B. D. D. Du PICLES	Lat/Northing: 44, 520389 A. Water Depth DTM Depth Sounder: VA DTM Lead Line: -5,2 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: GD Height + 5, 04 Source: VAN DTK + Ale Sourc	Date: 07.13.21 Weather: 605 over	Attempt No.: Core Type: Jate	rtidal Shoaling
Shoe Description: Send-Silt, packed, Core Field Observations and Description: (0-4.0)(4.0-6.4)(6.4-6.3) Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiota 3 Segments	Shoe Description: Send-Silt, parked, Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiota (O-4.0)(4.0-6.4)(6.4-6.3) 3 Segments	A. Water Depth DTM Depth Sounder: PA DTM Lead Line: -6,2 Core Collection Recovery 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement 4: Field Recovery Depth: 5. Field Recovery Percentage 6. Core Accepted: Yes N 7. Processing Recovery Depth: 8. Adjusted Recovery Perce Drive Notes: 1.0 ft frue fall Yes Standy as	B. Water Level Measurement Time: OGO Height: + 8, 09 ft Source: WW Exc trade Station Details: S.D. ft cm Cm Cm Cm Cm Cm Cm	Recovery Measurements (prior to cuts Core Sections To Proces A: Sol Process B: O a C: A - C:
Core Field Observations and Description: (0-4.0)(4.0-6.4)(6.4-6.8) Segments constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiota	Core Field Observations and Description: (0-4.0)(4.0-6.4)(6.4-6.8) 3 Segments (0-4.0)(4.0-6.4)(6.4-6.8)	Shoe Description: Saw	, ,	
Notes:	Notes:		nd Description: constituents, odor, s biota	sheen, layering, anoxic layer, debris, plant matter, s
Notes:	Notes:			
		Notes:		

Windward Sediment Core	Collection Form
Date: 67.13.21 Weather: 1.05 Senry	Attempt No.: I Core Type: Intertidal Subtidal Shoaling Field Staff: DDD T7
A. Water Depth DTM Depth Sounder: CU/A DTM Lead Line: -4.5 Height: +	9.13
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 90.0 Drive Notes: 2.7 ff free fall to abrupt sloped. Pen.	Recovery Measurements (prior to cuts) Core Sections To Process: ASU DIOUSS VOL B: C: D:
Shoe Description: empty	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
•	3 seyments
Notes:	

Project: ACLI PLASE 2 Date: UT 1421 Weather: 505 Wester 2 Logged By: TDC Location ID: (aCC) Attempt No.: 2 Core Type: latertidal Subtidal Shoaling Field Staff: TD DD TT	
Field Collection Coordinates: Lat/Northing: 47.520446 Long/Easting: (22.305520	
A. Water Depth DTM Depth Sounder: 1/A DTM Lead Line: -3.6 B. Water Level Measurements C. Mudline Elevation (ft MI Time: 0830 Height: 49.4 ft. Source: Low ET Fide: Recovery Measurements (p	
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: The contraction of the con	ns To Process:
	process ing
1.2 ft free fall Vi through, steady advance to 12 through, Slow steady advance to 6 ft. Pull throughle, very slow hard cove to refusal at love ft.	0
Shoe Description: 1000 med 5 and	
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR mo constituents, odor, sheen, layering, anoxic layer, debris, platitions	
(0.30)(3.0-4.8)(4.0-5.2) 3 Segments	
Notes:	

Windward Sediment Core Collection F	Form Page of
Project: Ancy Project Date: 671321 Weather: 605 Sunny-overces Logged By: Too Location ID: 60 Attempt No.: Core Type: Inter	rtidal Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 47.52012\ Long/Easting: 17	22.305637
A. Water Depth DTM Depth Sounder: DTM Lead Line: 5.5 ft. Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (res) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 97. Length: 49.74 ft. Source: cou) ent of the constant of	Recovery Measurements (prior to cuts) Core Sections To Process: A: Sllprousswy B: C: A - G D:
Shoe Description: Pull, send-silt, hard pucker	
Core Field Observations and Description: Sediment type, mois constituents, odor, s biota (0-4.0)(4.0-6.1)(6.1-6.5) 3 Segment	sture, color, minor modifier, MAJOR modifier, other sheen, layering, anoxic layer, debris, plant matter, shells,
Notes:	

 \bigcirc

Windward Sediment Core Collection Form	
Project: ADCY Phase2 Date: 07.19.21 Weather: 705 50000 Logged By: Field Staff: 1000 DB BM	
Field Collection Coordinates: Lat/Northing: A7.520120 A. Water Depth DTM Depth Sounder: U/A. DTM Lead Line: A155-A2-G4 Core Collection Recovery Details: 1. Core Tube Length: SOA. 2. Penetration Depth: A ft Cm 3. Headspace Measurement: LA 4. Field Recovery Percentage: ST- 6. Core Accepted: (Res) / No 7. Processing Recovery Depth: ft (B) cm 8. Adjusted Recovery Percentage: SY- Drive Notes: 1. SA freefall 1. Another assy dave to fill pen (A7) Drive Notes: 1. A water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1444 Height: 49.5 Source: Low ever the Source was remembled by the Source: Low every Measurements (prior to cuts) Core Sections To Process: A: See processing I was a see processing to the Source was remembled by the Source w	25,4 J
Shoe Description: No. gray Sund, Mostly empty. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents; odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota (0-4-0)(4-0-5-7)(5-7-6-1) 3 Seymats. Notes: 11 A. Affingul to mod in praperium.	

24.

Windward Sedime	ent Core Collection	00 (22)	Page <u>2</u> o
Project: ADCH PWSZ Date: 072021 Weather: 605 BRWast	Location ID: 60 Attempt No.: 2 Core Type: Inte	2 -	Shoaling
Logged By: 100	Field Staff:	DD BH	
Field Collection Coordinates: Lat/Northing: 47, 519 844	Long/Easting: \	12,305774	
A. Water Depth DTM Depth Sounder: ##	B. Water Level Measurem Time: 1241	ents C. Mudline E + 2、\	levation (ft MLLW)
DTM Lead Line: -4.1	Height: + 6. Z A. Source: Low etk inde	Recovery Mea	asurements (prior to cu
Core Collection Recovery Details: 1. Core Tube Length:	=	3	
	210.3 cm cm		Core Sections To Proc
5. Field Recovery Percentage: 100.0)		B: 107
8. Adjusted Recovery Percentage: 94. Drive Notes:	2	1 4	c: A->F
1/4 firefail	t NIft., upte		D:
Yzthroule, slows doron on then steady but sluggish	and S.8 ft		
	6		
Shoe Description: Alf wife wand,	pattied G11		
× **	Sediment type, moi	sture, color, minor mod	difier, MAJOR modifier, other
Core Field Observations and Description	biota		c layer, debris, plant matter,
(0-40)(4.0-6.5×6.5-6	(9) 3 segment	7	
10			
Notes:			

Windward Sediment Core Collection Form
Project: ACCH Philipped Date: D-14,24 Weather: LOS LONNY. Logged By: TDO Location ID: Ld5 Attempt No.: 2 Core Type: Intertidal Subtidal Shoaling Field Staff: DD DB BH
Field Collection Coordinates: Lat/Northing: 47.5/9873 Long/Easting: 122.305574 A. Water Depth DTM Depth Sounder: 2/A DTM Lead Line: -2.3 ft. B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 1121
Source: Down CTV to the Recovery Measurements (prior to cuts) Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Tes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 9. 4 Drive Notes: 1. 5 cf Recall 1. 5 cf Recall Recovery Percentage: 91. 4 1. 5 cm Recovery Measurements (prior to cuts)
Shoe Description: gray (Siffcay) poll Core Field Observations and Description: (0-4.0)(4.0-6.3)(6.3-6.7) Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:

Windward ward	Sediment Core	e Collection Fo	rm	Page <u> </u>
Project: ADCH Phus 2 Date: BY 19-21 Weather: W5 50 n n Logged By: To		Attempt No.: Core Type: Intertid		Shoaling
Field Collection Coordinates Lat/Northing: 47 - 5199t		Long/Easting: 12-2	.30536°	T
A. Water Depth DTM Depth Sounder: VA DTM Lead Line: - 1, 1	Time: 122 Height:	Level Measurement D +7.96.ft, >>> CTK title SNation	+6.8	asurements (prior to cuts)
Core Collection Recovery De 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes.) / No 7. Processing Recovery Depth 8. Adjusted Recovery Percenta Drive Notes: A Grafan 1/2 Man He, Slee	9.0 ft 213,4cm 7.0 ft 213,4cm 1.3 1.3 ft cm 95.7 ft 169 cm age: 79.2		1 4	Core Sections To Process A: F Ser processive B: Long C: D:
Shoe Description: empti).			10 UE - H
Core Field Observations and	500	Sediment type, moisture constituents, odor, shee biota	e, color, minor mo en, layering, anoxi	difier, MAJOR modifier, other c layer, debris, plant matter, sh
(0-4.0)(4.0-6.0	7(64-67)	3 segments	6	
	•	50		
Notes: 8' affshore.	ARCH . MON L	TOR SITE.		

Windward	Sediment Core Collection Form	Page / of /
Project: LDW ARCY-Ph Date: Try 8 2021 Weather: W.S. Synny Logged By: LM		- - -
Field Collection Coordinate Lat/Northing: 1930 46 0	B. Water Level Measurements C. Mudline Elevation (ft Time: 1435 3.1 & MLLW Height: 5.71 ft	=
Core Collection Recovery 1. Core Tube Length: 5 f 2. Penetration Depth: 3. Headspace Measurement 4. Field Recovery Depth: 5. Field Recovery Percentag 6. Core Accepted: (Yes) / N 7. Processing Recovery Depth 8. Adjusted Recovery Perce Drive Notes: Jrova for pefusal	Source: LDW RTR Recovery interastrements	tions To Process:
Shoe Description: 520 p	Sediment type, moisture, color, minor modifier, MAJOR	modifier, other plant matter, she
Notes: About 3.1 (4 for	rom target	

Project: ACCH Phys 2 Date: 1137 Weather: 15 Sonny Loged By: To Sonny Field Collection Coordinates: LatNorthing: 41514 A. Water Depth DTM Depth Sounder: Phys. 1 DTM Lead Line: 5:7 H Core Tube Length: 15 G A. Field Recovery Details: 1. Core Tube Length: 15 G Core Tube Length: 15 G Core Accepted (res) No 7. Processing Recovery Depth: 15 G B. Adjusted Recovery Percentage: 17 G B. Adjusted Recovery Percentage: 17 G Core Field Observations and Description: 17 G Sediment type, mosture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shibiting the constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shibiting the constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shibiting the constituents of the constituen	Wind ward	Sediment Core Collection	rage I_ oi _
A. Water Depth DTM Depth Sounder. DTM Lead Line: 5:7 Core Collection Recovery Details: 1. Core Tube Length: 24 2. Penetration Depth: 3-Off. ft cm 3. Headspace Measurement: 5 4. Field Recovery Depth: 5 ft cm 5. Field Recovery Depth: 5 ft cm 8. Adjusted Recovery Percentage: 92 q 8. Core Accepted (Yes) No 7. Processing Recovery Percentage: 92 q 8. Adjusted Recovery Percentage: 92 q 9. Core Notes: The processing Recovery Depth: 5 ft cm 9. Adjusted Recovery Percentage: 92 q 9. Core Sections To Process A: Ste Process B: 10 q C: Accepted (Yes) No C: Acce	Date: 070871 Weather: 705 SO	Attempt No.:)
DTM Depth Sounder. NA DTM Lead Line: 5:7 Pt Height: +10.74 Source: Du Dett: Source:	Field Collection Coordinates: Lat/Northing: 47,514	Long/Easting: [122,305410
Core Collection Recovery Details: 1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Percentage: 92.9 6. Core Accepted: (Yes.) No 7. Processing Recovery Percentage: 92.0 Drive Notes: 1. A Are Are 1. A Are 1. A Are Are 1. A Are Are 2. A Are 3. A All Process 3. B Are 1. A Are Are 2. A Are 3. A All Process 3. B Are 4. A Sul Process 3. B Are 1. A Are Are 2. A Are 3. A All Process 3. B Are 4. A All Process 3. B Are 4. A All Process 4. A All Process 3. A All Process 4. A All Process 3. A All Process 4. A All Process 5. B All Process 6. Core Accepted (Pos.) 8. A All Process 8. A All Process 8. A All Process 8. A All Process 1. A Are Are 2. A Are Are 2. A Are Are 3. A Are Are 4. A Are Are 4. A Are Are 4. A Are Are 5. A Are 6. Core Accepted (Pos.) 6. Core Accepted (Pos.) 6. Core Accepted (Pos.) 8. A Are Are 1. A Are Are 2. A Are Are 3. A Are Are 4. A Are	DTM Depth Sounder: NA	Time: \$1707 Height: +10.7 ft. Source: Du PTK fd	Recovery Measurements (prior to cuts)
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota	1. Core Tube Length: 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted: (Yes.) No 7. Processing Recovery Depth: 8. Adjusted Recovery Percenta Drive Notes: 1. A. Grac Gard 1. J. Grac Gard	tails: 7.0f. ft cm 1.5 1.5 ft cm 929 1.2 ft cm age: 39.6	Core Sections To Proces A: See Process B: Log C: A-G
Core Field Observations and Description: Constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota Constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota	Shoe Description:	sty	* * * * * * * * * * * * * * * * * * * *
(0-4)(4-6.1)(6.1-6.5) 3 symmets Notes:	Core Field Observations and	Description: constituents, odor,	pisture, color, minor modifier, MAJOR modifier, other , sheen, layering, anoxic layer, debris, plant matter, st
Notes:	(0-4)(4-6.1)	(6.1-6.5) 3 Syme	43
Notes:		,	
Notes:			
NOTES:	Notes		
	Notes:		

Windward uc	Sediment Core	Collection Fo	rm	Page of
Project: ACCH PWIX 2 Date: 07 20 21 Weather: 605 overest		Location ID: 670 Attempt No.: 1 Core Type: Intertida		ling
Logged By: TRO		Field Staff: 7D	DD BH	
Field Collection Coordinates: Lat/Northing: 47 · 519 67	4	Long/Easting: (22	305256	
A. Water Depth DTM Depth Sounder:	Time: (3	42	sC. Mudline Elevatio ー キャッシュ	on (ft MLLW)
DTM Lead Line: -0,8 ft		W PTK tide	Recovery Measurem	nents (prior to cuts)
1. Core Tube Length: 2. Penetration Depth:	ails: 8.0.A- 7.0 ft 213.4 cm		3	
Headspace Measurement: Field Recovery Depth: Field Recovery Percentage:	2.6 5.4 ft cm			re Sections To Process:
6. Core Accepted: (es)/ No 7. Processing Recovery Depth:	ft) 53 cm	· · · · · · · · · · · · · · · · · · ·	1 4 B:	see processing
8. Adjusted Recovery Percentage Drive Notes: 0.4 A free Call	ge. TIVT		- T T c:	
1/4 throtte, store after 1	is steady drive	e	<u>D:</u>	
continues to fi	11 pen C7 A)		
Shoe Description: silty	sand, brown			
Core Field Observations and	Description:	constituents, odor, shee biota	e, color, minor modifier, Ma n, layering, anoxic layer, c	AJOR modifier, other debris, plant matter, shells,
(0-3.0)(3.0-5	1)(5.1-54)	3 segments	\	
Notes:	TOR WOLTIE	N		

Windward Sediment Core	e Collection Fo	orm	Page <u>/</u> of <u>/</u> _
Project: LOW ACCH Phase II Date: 7/15/21 Weather: 605, cloudy Logged By: KM	Attempt No.: / Core Type: Intertid	dal (Subtidal) Shoaling	
DTM Depth Sounder: 1/3 f.4 DTM Lead Line: 1/3 f.4 Height: 7	315 2.83 FF	177283. 49 ts C. Mudline Elevation (ff - 8.6 Ft MLL Recovery Measurements	_
Core Collection Recovery Details: 1. Core Tube Length: 5 ff 2. Penetration Depth: 4, ft /2 f, p cm 3. Headspace Measurement: 1 o ff 4. Field Recovery Depth: 4, o ft /2 f, g cm 5. Field Recovery Percentage: 97.6 /. 6. Core Accepted: Yes // No 7. Processing Recovery Depth: ft /20,0 cm 8. Adjusted Recovery Percentage: 96.0 // b Drive Notes:	=: =: -:		ctions To Process:
Shoe Description: 54e processing log Core Field Observations and Description:	Sediment type, moisture constituents, odor, shee biota	e, color, minor modifier, MAJOR en, layering, anoxic layer, debris	modifier, other , plant matter, shells,
Notes: About 2.1 ft from target			

Project: AN ANY Phase !! Date: 7/15/2! Weather: As all the phase !! Logged By: AM Field Collection Coordinates: Lat/Northing: 192808.18 A. Water Depth DTM Depth Sounder: 12.2 ft DTM Lead Line: 12.3 ft Core Tube Length: 5 ft 2. Penetration Depth: 4.3 ft 131.1 cm 3. Headspace Measurement: 0.9 ft 4. Field Recovery Depth: 5. Field Recovery Depth: 4. Field Recovery Percentage: 95.3 % 6. Core Accepted: (Yes) No 7. Processing Recovery Depth: ft 120 cm 8. Adjusted Recovery Percentage: 93.1 ft Drive Notes: Instruction Instruction	ior to cuts
Field Collection Coordinates: Lat/Northing: 192808 18 A. Water Depth DTM Depth Sounder: 12.2 ft DTM Lead Line: 12.3 ft Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4,3 ft 131.1 cm 3. Headspace Measurement: 0.9 ft 4. Field Recovery Depth: 4,1 ft 125.0 cm 5. Field Recovery Percentage: 95.3 % 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 12.0 cm 8. Adjusted Recovery Percentage: 93.19% Drive Notes: Arvee freely ft Jepth Long/Easting: 1277353.75 B. Water Level Measurements C. Mudline Elevation (ft MLLW Time: 1150 -6.3 ft MLLW) Time: 1150 -6.3 ft MLLW Recovery Measurements (prior ft 12 f	ior to cuts
2. Penetration Depth: 3. Headspace Measurement: 0.9 ft 4. Field Recovery Depth: 5. Field Recovery Percentage: 95.3 /. 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage: 93.1%. Drive Notes: Institute freely to depth Depth Depth	
• • •	~ce5\$1
Shoe Description: See processing log Sediment type, moisture, color, minor modifier, MAJOR modifier constituents, odor, sheen, layering, anoxic layer, debris, plant modifier.	lifier, other nt matter, s

Windward Sediment Core	e Collection Form
Date: 7 / / 9 / 2 /	Attempt No.: / Core Type: Intertidal (Subtidal) Shoaling Field Staff: Lm, RM, ES
Field Collection Coordinates: Lat/Northing: 1928/8.35 A. Water Depth DTM Depth Sounder: 8.7 ++ DTM Lead Line: 8.5 ++ Height: 2.	Long/Easting: 1277386.94 Level Measurements C. Mudline Elevation (ft MLLW) -6.6 A MLLW Recovery Measurements (prior to cuts) Core Sections To Process: A: See processing B: Form
8. Adjusted Recovery Percentage: 29 10 Drive Notes: Space fruly to depth	1 4 c: A -> I
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes: About 0.5 Ft Rum target	

Windward Sedim	ent Core Collection F	orm	Page <u>3</u> of <u>3</u>
Project: LOW AOCH Phase II Date: 7/20/21 Weather: 705 party Sunny Logged By: Em	Attempt No.: 3 Core Type: Inter		
Field Collection Coordinates: Lat/Northing: 191832.62	Long/Easting: /2	77385.30	-
A. Water Depth DTM Depth Sounder: n/a DTM Lead Line: 16.0 ff Core Collection Recovery Details: 1. Core Tube Length: n/a 2. Penetration Depth: n/a 3. Headspace Measurement: n/a 4. Field Recovery Depth: 8.05 5. Field Recovery Percentage: 80% 6. Core Accepted: (Yes) / No	nig un Seu	Recovery Measurement Core S A: AB B: Se C:	ections To Process: - JB KB
Shoe Description: n/a			D differ other
Core Field Observations and Descript		ture, color, minor modifier, MAJO heen, layering, anoxic layer, debri	s, plant matter, shells,
Notes: About 10.7 ft from target			

Windward Sediment Cor	e Collection Fo	rm	Page / of /
Project: LOW ARCH Phase II Date: 7/17/21 Weather: 605, SUD Logged By: KM	Location ID: SCG Attempt No.: / Core Type: Intertida Field Staff: VM, E	al (Subtidat) Shoaling	-
Field Collection Coordinates: Lat/Northing: 192859.99	Long/Easting: 12 7		-
DTM Depth Sounder: 10.0 ft DTM Lead Line: 10.0 ft Source: 6	Level Measurements 920 .73 ft 200 enc	S.C. Mudline Elevation (ft - 8-3 A MLLIJ Recovery Measurements	-
Core Collection Recovery Details: 1. Core Tube Length: /2 ft 2. Penetration Depth: /0.8 ft 329.2 cm 3. Headspace Measurement: /.2 ft 4. Field Recovery Depth: /0.8 ft 329.2 cm 5. Field Recovery Percentage: /00/. 6. Core Accepted: Yes/ No 7. Processing Recovery Depth: /1.3 ft 342 cm 8. Adjusted Recovery Percentage: / 00%. Drive Notes: Source Freely to Jepth	<u></u>		etions To Process: To Processing 109.
Shoe Description: See processing log	Sediment type, moisture	e, color, minor modifier, MAJOR	modifier, other
Core Field Observations and Description:	constituents, odor, snee	n, layering, anoxic layer, debris,	plant matter, and a
Notes: About 1.4 ft from farget			

Windward Sediment Core	e Collection Fo	rm	Page <u>/</u> of <u>/</u>
Project: LDW AOCY Phase Date: 7/20/21 Weather: 665 (lovdy Logged By: 6M	Attempt No.: / Core Type: Intertid	al Subtidal	Shoaling
DTM Depth Sounder: Time: +3 DTM Lead Line: 15.25 f + ∅ /3 /t Height: 4 16.0 f + ∅) /335 Source: ℓ		s C. Mudline El	evation (ft MLLW)
Shoe Description: 1/a			
Core Field Observations and Description:	Sediment type, moistur constituents, odor, shed biota	e, color, minor mod en, layering, anoxic	ifier, MAJOR modifier, other layer, debris, plant matter, shells,
Notes:			

, 18°,

Windward Sediment	Core Collection	Form	Page <u>/</u> of <u>/</u>
Project: LOW AOCY Phase II Date: 7/15/21 Weather: 60s, cloudy Logged By: EM	Location ID: 5 Attempt No.: / Core Type: Interest Field Staff: //	ertidal Subtidal S	
Field Collection Coordinates: Lat/Northing: 192871.06	Long/Easting:	1277411.79	
DTM Depth Sounder: 12.0 ft DTM Lead Line: 12.6 ft Heig	ater Level Measuren : 1245 ht: 3.86 ce: <i>LOW RTR</i>	-8.1 A ME	vation (ft MLLW)
Core Collection Recovery Details: 1. Core Tube Length: 5' ft 2. Penetration Depth: 4. 2ft /28. 3. Headspace Measurement: 0.9 ft 4. Field Recovery Depth: 4, / ft /25. 5. Field Recovery Percentage: 97.6 /2. 6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 125. 8. Adjusted Recovery Percentage: 97. 7 /2. Drive Notes: San freely to depty	o cm		Core Sections To Process: A: O-GOCM B: See processing C: for a
Shoe Description: See processing log	Sediment type, mo	isture, color, minor modifie	er, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, biota	sheen, layering, anoxic la	yer, debris, plant matter, shells
*			
Notes: About 0.3 ft Fim target			

	Windward Sediment Core Collection Form
	Project: LOW AOCY Phase 1 Location ID: SCGHG Date: 7/15/2 Attempt No.: Weather: 60s, cloudy Core Type: Intertidal (Subtidal) Shoaling Logged By: EM Field Staff: EM, ES, EM
	Field Collection Coordinates: Lat/Northing: /92875.94 A. Water Depth DTM Depth Sounder: // ft DTM Lead Line: // 6ft Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 3 ft // 5. Field Recovery Percentage: 95.0 ft. 6. Core Accepted: (Yes) No 7. Processing Recovery Depth: ft // 6. Starting B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: /235 Height: 4 ft. Source: LOU ETK Field Recovery Measurements (prior to cuts) Core Sections To Process: A: O-60 cm B: B: B: Drive Notes: D:
ş	Shoe Description: See processing log Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
	Notes: About 4.9 A from target

Windward Sediment Core	re Collection Form
Project: LOW ADCY Phase II Date: 7/15/21 Weather: 605, cloudy Logged By: MI	Attempt No.: Core Type: Intertidal (Subtidal) Shoaling Field Staff: \(\nu_N, \in S, \nu m\)
Field Collection Coordinates: Lat/Northing: 192928.87 A. Water Depth B. Water	Long/Easting: /277462, /Z
DTM Depth Sounder: 11.6 ft DTM Lead Line: 11.6 ft Height: 3 Source: 14	
Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4.2 ft 1280 cm 3. Headspace Measurement: 0.8 ft 4. Field Recovery Depth: 9.2 ft 128.0 cm 5. Field Recovery Percentage: 100 / 6. Core Accepted Yes / No 7. Processing Recovery Depth: ft 19.5 cm 8. Adjusted Recovery Percentage: 9.3 4% Drive Notes: Inva freely to depth	A: 0-60 cm
Shoe Description: See processing log	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes:	
About 3.2 4+ from target	

Windward Sedim	ent Core Collection F	Form Page / of /
Project: LDW AOCY Phase I Date: Tuly 8, 202 Weather: LOS, SUO Logged By: KM	Location ID: 17 Attempt No.: / Core Type: Inter	679 tidal) Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 19219612 A. Water Depth DTM Depth Sounder: 13.0 Ft DTM Lead Line: 13.1 ft Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4.2 ft 3. Headspace Measurement: 0.8 ft 4. Field Recovery Depth: 4.2 ft 5. Field Recovery Percentage: 100 % 6. Core Accepted Yes No 7. Processing Recovery Depth: ft 8. Adjusted Recovery Percentage: 99 Drive Notes:	Time: 1610 Height: 9.23 ft Source: LOW RTK fide Station t 128.0cm	Recovery Measurements (prior to cuts) Core Sections To Process: A: 0-45cm B: C:
Unive freely to depth Shoe Description: Sez processing	109	<u>D</u> :
Core Field Observations and Description		ture, color, minor modifier, MAJOR modifier, other heen, layering, anoxic layer, debris, plant matter, shells
	*	
Notes: About 7 ft from fary	et .	

Windward Sedime	ent Core Collection Form	Page / of 5
Project: LOW ARCY Phase II Date: 7/14/21 Weather: 60s, cloudy Logged By: KM	Attempt No.: / Core Type: Intertidal (Subtidal) Shoaling Field Staff: KM, RM, ES	
DTM Depth Sounder: 9.6 ft DTM Lead Line: covid not measure July to current Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 3.0 ft 3. Headspace Measurement: 2.3 ft 4. Field Recovery Depth: 2.7 ft 5. Field Recovery Percentage: 90.0 /. 6. Core Accepted: (Yes) / No	B. Water Level Measurements C. Mudline Elevation (ft In Time: 1/30 — 5.3 ft MLLW Height: 4.34ft Source: LOW RTW hide station 91.4 cm 82.3 cm Core Sect A: 0-6 B: 52.4 C: Prove based D: (PC M)	prior to cuts) ions To Process: Ocm SSed
Shoe Description: See processing le	Sediment type, moisture, color, minor modifier, MAJOR n	nodifier, other plant matter, shells
Notes: About 0.7 ft from target Additional volume needed t	Cor toxicity testing (more cores Collected)	

Windward LLC	Sediment Core Collection F	Form Page 2 of 5
Project: LOW AOCY Phas Date: 7/14/2) Weather: 60s, clovdy Logged By: EM	Attempt No.: 7	rtidal Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 190568.77	Long/Easting:	1277235.57
A. Water Depth DTM Depth Sounder: 8.1 St DTM Lead Line: could not mess due to Lucre	Time: 1/40 Height: 4.34 ft Source: LPW ETK hide station	Recovery Measurements (prior to cuts)
Core Collection Recovery Det 1. Core Tube Length: 5 ft 2. Penetration Depth: 3. Headspace Measurement: 2 4. Field Recovery Depth: 5. Field Recovery Percentage: 6. Core Accepted Yes / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage Drive Notes: Ana Greely to depth	2.7 ft 82.3 cm 6 ft 2.4 ft 73.2 cm 88 9 % ft 740 cm	Core Sections To Process: A: 0-60 cm B: 53.9 0(0650) c: bused recovery D: perantage
Shoe Description: gee proce		
Core Field Observations and		sture, color, minor modifier, MAJOR modifier, other heen, layering, anoxic layer, debris, plant matter, shells,
Notes: About 2.7 ft from a Additional Volume no	lorget goded for texicity testing	(more cores collected)

Windward Sediment Core	e Collection F	orm	Page 5 of 5
Project: LOW AOCY Phase II Date: 7/14/21 Weather: 70s, Syn Logged By: KM	Attempt No.: 5 Core Type: Intert Field Staff: LM	idal (Subtidal)	Shoaling
Field Collection Coordinates: Lat/Northing: 190564. 601 A. Water Depth DTM Depth Sounder: 4.5 f4 DTM Lead Line: 4.8 ft Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 4.0 ft 121.9 cm 3. Headspace Measurement: 1.5 ft	Long/Easting: /. Level Measurements 25 DOG FT DOW RTK TOOL Station	277 Z35 . 2 nts C. Mudline El 4.747 //	evation (ft MLLW)
4. Field Recovery Depth: 3.5 ft 106.7 cm 5. Field Recovery Percentage: 87.5 /. 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 10 cm 8. Adjusted Recovery Percentage: 92.9 Drive Notes: drove freely to 2 ft, changed for all 2 ft, then drove freely to		1 4	B: 49.7cm B: 49.7cm C: Processed based On recovery D: Percentage
Shoe Description: See processing log Core Field Observations and Description:	Sediment type, moisti constituents, odor, sh biota	ure, color, minor mod een, layering, anoxic	lifier, MAJOR modifier, other layer, debris, plant matter, shells,
Notes:	5 A		
About 6ft from target			

Windward Sediment Core	e Collection Form
Project: LDW AOCY Phase 1) Date: 7/14/21 Weather: 60s, cloudy Logged By: LM	Attempt No.: I Core Type: Intertidal Subtidal Shoaling Field Staff: LM, LM, ES
Field Collection Coordinates: Lat/Northing: 190647.55 A. Water Depth DTM Depth Sounder: 3.5 f4 DTM Lead Line: 3.9 f4 Height: 7	Long/Easting: 1277305.41 Level Measurements C. Mudline Elevation (ft MLLW) 25 3.2 ft MLLW TK fide Station Core Sections To Process:
6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: ft 8 - cm 8. Adjusted Recovery Percentage: 9,511. Drive Notes: Sover freely to depth	
Shoe Description: See processing dag-win	109
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
Notes: About 3.6 ft from target	

Windward Servicenmental LLC	ediment Core Collection F	orm Page _i_ o	of 6
Project: LOW ARLY Phase Date: 7/14/2 Weather: 50s, cloudy Logged By: KM	Location ID: TO Attempt No.: / Core Type: (Intert	idal Subtidal Shoaling	" 2
Field Collection Coordinates: Lat/Northing: 190614. 3.7 A. Water Depth DTM Depth Sounder: 8.8 ft DTM Lead Line: 8./ ft	B. Water Level Measurement Time: 0740 Height: 9.52.f7 Source: LOW RTK	nts C. Mudline Elevation (ft MLLW) 1.4 14 MLLW Recovery Measurements (prior to cut	its)
Core Collection Recovery Details 1. Core Tube Length: 5 ft 2. Penetration Depth: 3. Headspace Measurement: 0 6 4. Field Recovery Depth: 5. Field Recovery Percentage: 93 6. Core Accepted: 7 s) / No 7. Processing Recovery Depth: 1 8. Adjusted Recovery Percentage: Drive Notes:	# 137.2cm # 137.2cm # 137.2cm # 137.2cm # 137.2cm # 137.2cm	Core Sections To Proce	cess:
Shoe Description: See process Core Field Observations and De	Sediment type, moisti	ure, color, minor modifier, MAJOR modifier, othe neen, layering, anoxic layer, debris, plant matter,	er shells,
		¥.	
Notes: About 2.7 ff from ? Additional volume new	target oded for toxicity testing	(more caes Collected)	

Windward Sediment Core	Collection For	m	Page 3 of 6
Project: LDW AOCY Phase II Date: 7/14/21 Weather: 50s, cloudy Logged By: EM	Attempt No.: 3 Core Type: Intertida Field Staff: CM, 1	Subtidal	
DTM Depth Sounder: 9.6 ft Time: 08			evation (ft MLLW)
Source: ¿	DU RTH de Station	Recovery Mea	Core Sections To Process: A: 0-45cm B: C: Processed U.S.D.C. D:
Shoe Description: See processing leg Core Field Observations and Description:	Sediment type, moisture, constituents, odor, sheen, biota	color, minor mod layering, anoxic	ifier, MAJOR modifier, other layer, debris, plant matter, shells
Notes: About 6.3 ft from target Additional volver needed for to	exicity testing	(mad Can	s Colle ched)

Windward Sediment Co	ore Collection Form
Project: LOW Aoch Phase II Date: 7/19/21 Weather: 50s cloudy Logged By: KM	Attempt No.: 4 Core Type Intertidal Subtidal Shoaling Field Staff: Lm, RM, ES
	Long/Easting: 1277342.79 Iter Level Measurements C. Mudline Elevation (ft MLLW) 0825 16 14 MLLW
DTM Lead Line: \$.6 Ff Height	t: 9.56 ff e: LOW RTK Recovery Measurements (prior to cuts)
1. Core Tube Length: 5 ft 2. Penetration Depth: 3.5 ft /06.7 3. Headspace Measurement: / 8 ft 4. Field Recovery Depth: 3.2 ft 97.5 5. Field Recovery Percentage: 91.4 / 6. Core Accepted: Yes I No 7. Processing Recovery Depth: ft 95.5 8. Adjusted Recovery Percentage: 91.5 Drive Notes: Institute of the part o	Core Sections To Process A: 0-45 cm
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, sh biota
Notes: About 1-1ft from target Additional volume needed for toxic	city tecting (mire cons collected)
)	

Windward Sedin	nent Core	Collect	ion Fo	rm		Page <u>5</u>
Project: COW AUCY PLYUSE 11		Location I		82		
Date: 7/14/21		Attempt N	0.: 5			
Weather: 50s, Cloudy		Core Type	:(Intertida	Subtic	lat	Shoaling
Logged By: iCM	_ ;	Field Staff	: KM,	RM, ES	ς	
Field Collection Coordinates: Lat/Northing: 196610.74		Long/Easti	ng: 127	-7341.	59	
A. Water Depth						evation (ft MLLW)
DTM Depth Sounder: 9/ ff	Time: 08	35		1.5 /-	MC	LW_
DTM Lead Line: 89 FF	Height: 9.	44		_		
	Source: LL	Je Station	_	Recovery	/ Mea	surements (prior to o
Core Collection Recovery Details:	71	ye startor	,	† F	71	
1. Core Tube Length: 5f+					3	
2. Penetration Depth: 3 ft	ft 91,4 cm					
3 Headspace Measurement: 2.7 f	L					Core Sections To Pre
4. Field Recovery Depth: 2, 8	ft 85.3 cm					. 110
Field Recovery Percentage: 93.3 /.	k. <u>e</u>					A: 0-45cm
6. Core Accepted: (Yes)/ No						200 - 1
7. Processing Recovery Depth:	ft 8579m				4	B: Drocessed
8. Adjusted Recovery Percentage: 93	,0					41.9 cm
Drive Notes:						C:
drove freely to depth						on recover
				18		D: Cossec
				\downarrow		
	νı					
Shoe Description: See processi	ng 10g		-			
0		Sediment typ	e, moisture	, color, mino	r modi	fier, MAJOR modifier, ot
Core Field Observations and Descrip	tion:	constituents, biota	odor, shee	n, layering, a	anoxic	ayer, debris, plant matte
		Diota				
	-					
Notes:						
About 3.5 ft from target	- toxicit	, ,				

Project: LOW ADCY Phase 11		No.: 6			
Date: 7/14/2/ Weather: 60s, Urudy	Core Tv	pe: Intertidal S	ubtidal	Shoaling	
Logged By: 1000		aff: KM, RM			
Logged By: iM		/ / / / / / / / / / / / / / / / /			
Field Collection Coordinates:	L 15 -	12277	112 16	_	
Lat/Northing: /986 /0.71	Long/Ea	sting: /2773	93.0		
A. Water Depth	B. Water Level Me	asurements C. M	udline E	levation (ft N	ILLW)
DTM Depth Sounder: 8.944	Time: 0845		1.0 17	MULIN	
DTM Lead Line: 8.2 f.+	Height: 9.23 ft				
-	Source: LOW RITH		overy Me	asurements (p	prior to cuts
Our Callestian Recovery Potaile:	tide stain	tion •			
Core Collection Recovery Details:			3		
1. Core Tube Length: 5 ft 2. Penetration Depth: 3	ft 91.4 cm		+		
Penetration Depth: Headspace Measurement: 2,774	11.7 011			Core Section	ons To Proce
4. Field Recovery Depth: 2.3	ft 70:1 cm			1200	
5. Field Recovery Percentage: 76.7 /	/ ///			A: 0-4	S cm
6. Core Accepted Yes / No	1			B: proce	0.0
7. Processing Recovery Depth:	ft (A-Touch			B: Orace	255003
8. Adjusted Recovery Percentage:		1	4	4	
Drive Notes:		7		c: buso	dante
			111	0.00	edon,
drave freely to depth		-		D:	con/
		-		<u> </u>	
		-			
		-			
		4			
		4 1			
		_ ↓			
Shoe Description: See processing	5 109				
	ISediment	type, moisture, color	minor mo	difier. MAJOR m	odifier, other
Core Field Observations and Descrip		nts, odor, sheen, laye	ring, anoxid	c layer, debris, p	lant matter, s
	biota				
	1				
	¥(*)				
				0	
	*				
			9		
Notes: About 3.3 ft from larget			39		

SEDIMENT CORE COLLECTION FORM

EDIMENT CORE COLLECTION FORM	
Windward Sediment Core Collection Form	
Project: LDW PDI Phase II 180067-02.03 Location ID: 663	
MIO. 1 E //C/	
Veather. Closes CC 1	
Logged By: G.T.ww & Constell	0.00
Field Collection Coordinates:	
1222220 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1	
Long/Easting: \$47 + 3 +0; 11 + E, 17061 + 9711	2
A. Water Depth B. Water Level Measurements C. Mudline Elevation (ft MLLW)	
OTM Depth Sounder: Time: 1427	
OTM Lead Line: Height: 7.7-ft - 3ft = 4.7-ft	
Source: drup tape Recovery Measurements (prior to cuts)	
. Cole Tube Length. 1477 pr	
2. Penetration Depth: Core Sections To Process:	
s. Headspace Measurement.	
i. Recovery Depth: i. Recovery Percentage: 94% total: Att 3.5	
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
7x12-84-13-3 = 70.7/84 = 84/2 1 4	
Drive Notes:	
0+035 hit mudline @ 1430 693-1	
D: Processed	
3.5 to 74 Street : 145040 1455 Intervals A-F	
See core	
TO to ML before 2nd push = 8.1ff processing log.	
34 TOD TO WATE ; DAL @ 1446=5.144	
• 🖎	
Shoe Description: 66 www O.D.	
Sediment type, moisture, color, minor modifier, MAJOR modifier, other	
Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota	
Ž	
under water no observation	
gul	
pust 0 to 3.5 ft; pull of protinge;	
then lower to 3.5 ft of sample again to 7ft RUC	
Core processing details:	
Penetration depth: 213.4 cm (3.5++ plus 3.5++)	102-12
to a discourse dande ! 1201 (a Am (4 are tribe longth minus head space tot	-683-12
Processing necovery deprh: 166 cm (measured on processing barge)	683-2 Combin
Addicted to an una seventage: 77.B To processing recovery again an ded	Concon
Notes: by penetration dipth)	
Cincrete debis on partially annoted slept.	

Windward Sediment Core	Collection Form
Date: 7/19/21 Weather: 705,500	Attempt No.: 4 Core Type: Intertidal Subtidal Shoaling Field Staff: KM, LM, ES
A. Water Depth DTM Depth Sounder: 9.5 ft DTM Lead Line: 8.9 ft Core Collection Recovery Details: 1. Core Tube Length: 10 ft 2. Penetration Depth: 9.0 ft 274.3 cm 3. Headspace Measurement: 2.5 ft 4. Field Recovery Depth: 7.5 ft 228.6 cm 5. Field Recovery Percentage: 83.3 /. 6. Core Accepted: (Yes) No 7. Processing Recovery Depth: ft 224.0 cm 8. Adjusted Recovery Percentage: 82.4 Drive Notes: Drive Notes: Driv	Recovery Measurements (prior to cuts) Core Sections To Process: A. J. 45 cm Lm B: A - H See processivey C: (core)
Shoe Description: See processing log	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, piota
	8
Notes: About 0.9 ft from target	*

Wind ward	Sediment Core Collection Form	Page /_ of <u>5</u>
Project: LOW Accy Pho Date: 7/14/21 Weather: 605, cloudy Logged By: KM		idal Shoaling
Field Collection Coordinates Lat/Northing: 190588. 1 A. Water Depth DTM Depth Sounder: 6974 DTM Lead Line: 7544	B. Water Level Measurements C. Mudl	
Core Collection Recovery D 1. Core Tube Length: 5 H 2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth 8. Adjusted Recovery Percent Drive Notes:	Source: LOW RTC Recover to de Station etails: 2.8 ft 85.3 cm 2.5 ft 76.2 cm : 89.3 /. n: ft 72.0 cm rage: \$5.0	Core Sections To Process: A: 0-45 cm B: 38.5 cm On Ce S End busy C: on fearer D: Percentage
Shoe Description: See pr	Sediment type, moisture, color, min	or modifier, MAJOR modifier, other anoxic layer, debris, plant matter, she
		3
Notes: About 3.0 Ft from to Additional cores ne	uded for foxicity testing	

Date: 7/19/21 Date: 7/19/21 Core Collection Recovery Details: 1. Core Tube Length: 5.3 6.4 Shead Recovery Percentage: 97.6 7.4 Field Recovery Percentage: 97.6 7.5 Shoe Description: 500 process: 100 pc. 100	Windward Sediment C	Core Collection I	Form		Page 2 of 5
Lat/Northing: 190588-13 Long/Easting: 1277381.94 A. Water Depth DTM Depth Sounder: 6-6-44 DTM Lead Line: 9.5-44 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 0930 Height: 5.36-44 Source: 1000 LTV Recovery Measurements (prior to cuts) A. Field Recovery Depth: 2.7-1682.3 cm 3. Headspace Measurement: 2.5-44 4. Field Recovery Depth: 2.5-16.2 cm 5. Field Recovery Percentage: 97.6-7. 6. Core Accepted Yes) No 7. Processing Recovery Depth: ft 33 cm 8. Adjusted Recovery Percentage: 88.7- Drive Notes: Around Friely 4- Depth Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,	Project: LDW Accy Phase II Date: 7/14/21 Weather: 605, Clarda	Attempt No.: Z	rtidal Subtidal	Shoaling	-
Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,	Field Collection Coordinates: Lat/Northing: 190588-13 A. Water Depth DTM Depth Sounder: 6.6 ft DTM Lead Line: 7.5 ft DTM Lead Line: 7.5 ft Core Collection Recovery Details: 1. Core Tube Length: 6 ft 2. Penetration Depth: 2.7 ft 82.3 3. Headspace Measurement: 2.5 ft 4. Field Recovery Depth: 7.5 ft 76.2 5. Field Recovery Percentage: 92.6 7. 6. Core Accepted Yes / No 7. Processing Recovery Depth: ft 8. Adjusted Recovery Percentage: 88.7 Drive Notes:	ater Level Measurement 1930 nt: 8:36 ff ce: WW ETE hole Station	Recovery Mea	Core Sect A: 0-6 B: 39.6	prior to cuts) ions To Process: I Com Process:
	. , , ,	constituents, odor, s	sture, color, minor mod sheen, layering, anoxic	lifier, MAJOR n layer, debris, p	nodifier, other plant matter, shells,
Notes: About 8 ft from target Additional cores needed for toxicity testing					

Windward Sedin	nent Core Collection Form	Page <u>3</u> of <u>5</u>
Project: LOW ADCY Phase II Date: 7/14/21 Weather: 60s, classy Logged By: LM	Attempt No.: 3 Core Type: (Intertidal) Field Staff: KM, KM	Subtidal Shoaling
Field Collection Coordinates: Lat/Northing: 190586.42 A. Water Depth DTM Depth Sounder: 6.7 f4 DTM Lead Line: 7.3 f4	Long/Easting: 1277 B. Water Level Measurements C. Time: 0946 Height: 8 36 ff	3
Core Collection Recovery Details: 1. Core Tube Length: 5 + 2. Penetration Depth: 2. 7 + 3. Headspace Measurement: 2. 7 + 4	ft 82.3 cm ft 64.0 cm	Core Sections To Process: A: 0-45 cm B: 32.0 cm C: POUSSON based On recovery pure
Shoe Description: See procession Core Field Observations and Descrip	Sediment type, moisture, colo	or, minor modifier, MAJOR modifier, other vering, anoxic layer, debris, plant matter, shells,
Notes: About 4 ff from torget Additional cores needed	for toxicity testing	

Windward S	ediment Core	e Collec	tion Fo	rm		Page <u>4</u> of <u>5</u>
Project: LOW AOCY Phase Date: 7/14/21 Weather: 60s, cloudy Logged By: EM	· //	Attempt I	e: Intertio	85 aD Subtida ≥M, ∈S	al Shoaling	-
A. Water Depth DTM Depth Sounder: 6.1 F4 DTM Lead Line: 6.5 F4	Time: 09 Height: 7	Levei Mea	surement - -	1.514	e Elevation (ft	=
5. Field Recovery Percentage: 9; 6. Core Accepted: (Yes) / No 7. Processing Recovery Depth: 8. Adjusted Recovery Percentage Drive Notes:	s: ft 106.7 cm ft 3.4 ft 103.6 cm ft 90.5 cm	Je statio		1 4	Core Sec. A: 0-9 B: 38 C: 000	ctions To Process:
Shoe Description: See proce Core Field Observations and De	, J	Sediment to constituent biota	ype, moistur s, odor, shee	e, color, minor en, layering, ar	modifier, MAJOR noxic layer, debris,	modifier, other plant matter, shells,
Notes: About 2.5 ft from ta	rget					
About 2.5 ft from ta	I for toxicity	testing				

Windward	Sediment Core Collection	n Form
Project: LOW AOCH Pho Date: 7/19/21 Weather: 60s claydy Logged By: LM	Attempt No.: Core Type:	ntertidal) Subtidal Shoaling
Field Collection Coordinate Lat/Northing: 190586.03	2 Long/Easting:	/277 38 4. 99 ements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder: 6.44 DTM Lead Line: 6.9 f4	Height: 4.9574 Source: LOW RTU tide station	Recovery Measurements (prior to cuts)
2. Penetration Depth: 3. Headspace Measurement: 4. Field Recovery Depth: 5. Field Recovery Percentage 6. Core Accepted: Yes / No	3.0 ft 91.9 cm 2.5.77 2.5 ft 76.2 cm 3: 83.37,	Core Sections To Process A: 0-45 cm
7. Processing Recovery Dept 8. Adjusted Recovery Percent Drive Notes: dove fixely to dep	h: ft 12,4cm tage: 18,8	1 4 B:35.5cm proces based on c: recurrenta D: percenta
Shoe Description: See Pro	ocessing log	•
Core Field Observations an		noisture, color, minor modifier, MAJOR modifier, other or, sheen, layering, anoxic layer, debris, plant matter, sh
Notes:	· · · · · · · · · · · · · · · · · · ·	
About 5.4 ft Grom	Lead	

Windward Sedim	ent Core Collection Form
Project: CON ACCY Phase II Date: 7/15/21 Weather: Cos Clordy Logged By: VM	Location ID: T686 Attempt No.: 3 Core Type: (Intertidat) Subtidal Shoaling Field Staff: cm, eM, cs
Field Collection Coordinates: Lat/Northing: 190551.03 A. Water Depth DTM Depth Sounder: 11.5 ft DTM Lead Line: 11.1 ft Core Collection Recovery Details: 1. Core Tube Length: 5 ft 2. Penetration Depth: 3.3 ft 3. Headspace Measurement: 1,8 ft 4. Field Recovery Depth: 3.2 ft 5. Field Recovery Percentage: 97.0 7.6 6. Core Accepted (Yes) No	Long/Easting: 1277436.56 B. Water Level Measurements C. Mudline Elevation (ft MLLW) Time: 0945 Height: 8.74 ft Source: LDW RTK fide station Core Sections To Proceution at 97.5 cm A: 0-45 cm B: See process
Shoe Description: See processing Core Field Observations and Descripti	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Notes: About 7.1 ft from targe	+

Windward Sediment Cor	re Collection Form
Project: AOC4 PW/SC2	Location ID: 694
Date: (77, 20, 2)	Attempt No.: 2
Weather: "705, overcast	Core Type: Intertidal, Subtidal Shoaling
Logged By: 100	Field Staff: TD DD BH
Field Collection Coordinates:	_ 9
Lat/Northing: 47.511526	Long/Easting: 122, 362 095
A. Water Depth B. Water	Level Measurements C. Mudline Elevation (ft MLLW)
	439 +8.54
	+10.24 ft.
	Recovery Measurements (prior to cuts)
- 	station
Core Collection Recovery Details:	Y E
1. Core Tube Length: 8.0.4	3
2. Penetration Depth: 7-0 ft 213,4 cm	
3. Headspace Measurement: 2,3 (+,	Core Sections To Process:
4. Field Recovery Depth: 5.7 ft cn	
5. Field Recovery Percentage: 81.4	A: /+-+
6. Core Accepted: (Yes.) No	- See propossing
7. Processing Recovery Depth: ft 5'5 cn	1 4 B: Vocarra
8. Adjusted Recovery Percentage: 71.7	ore
Drive Notes:	
0.4 at fireefall	
full throttle easy advance to	Rull sen D:
12, 22,	
Shoe Description: proun gray sand co	
Since Description. Brown Avag Saver, Co	ws
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota
10-3.0)(3-0-52)(5.3-5.	
DO TO	7)
120 49-	
8	
4	
Notes:	
	ACCOGICAL MONITOR LOCATION
006°	PILOVOIDAL PURTIFUE COUSTING
000	
8	

ocation ID Attempt No Core Type: Field Staff: Long/Eastin	Intertidation (Intertidation) LM, CS ag: 1277 urements C	Subtida S, RM 2570 C. Mudlin 134	e Elevation (ff	_
Attempt No Core Type: Field Staff: Long/Eastin evel Measu 25	intertida Ministr	Subtida S. PEM 2570 C. Mudling 1.3 4	e Elevation (ff	— s (prior to cu ections To Proc
Attempt No Core Type: Field Staff: Long/Eastin evel Measu 25	intertida Ministr	Subtida S. PEM 2570 C. Mudling 1.3 4	e Elevation (ff	— s (prior to cu ections To Proc
Core Type: Field Staff: Long/Eastin evel Measu 25	Intertidation (Intertidation) LM, CS ag: 1277 urements C	2570. C. Mudlin 1.3 +	e Elevation (ff	— s (prior to cu ections To Proc
ong/Eastin	VM, CS	2570. C. Mudlin 1.3 +	e Elevation (ff	— s (prior to cu ections To Proc
ong/Eastin	_{ng:} /27 7 urements C	2570 C. Mudling 1.3 4 Recovery	Measurements Core Se A: 0-4	— s (prior to cu ections To Proc
evel Measu 25 75 ++	urements C	C. Mudlin 1.3 +	Measurements Core Se A: 0-4	— s (prior to cu ections To Proc
evel Measu 25 75 ++	urements C	C. Mudlin 1.3 +	Measurements Core Se A: 0-4	— s (prior to cu
25 15 ft	-	7.3 A	Measurements Core Se A: 0-4	— s (prior to cu ections To Proc
5 11	R	Recovery	Measurements Core Se A: 0-9	ections To Proc
5 11	R	3	Core Se A: 0-9	ections To Proc
Z tide station	R	3	Core Se A: 0-9	ections To Proc
station			Core Se A: 0 - 9	
			Core Se A: 0 - 9	
			Core Se A: 0 - 9	
		1 4	A: 0-9	
	[1 4	A: 0-9	
	[1 4		45cm
		1 4		45cm
		1 4		
	[1 4		
	L	1 4		
	L			
		111	, <u>C</u> ,	
		1 1 1		
		1 1 1		
		1 1 1	<u>D:</u>	
		1 1 1		
		1 1 1		
		1 1 1	1	
			.	
Sediment type	e, moisture, co	olor, minor	modifier, MAJOR	R modifier, other
constituents, o piota	odor, sheen, I	layering, an	noxic layer, debris	s, plant matter,
				11
2	onstituents,	onstituents, odor, sheen, iota	onstituents, odor, sheen, layering, ar iota	

Windward Sediment Cor	e Collectio	n Form	Page <u>&</u> of <u>B</u>
environmental	Location ID:	IT698 (X)	1 ugc <u>9 -</u> 0. <u>92 -</u>
Project: LDW AOCA - Phase II	Attempt No.:	-8 /	
Date: 8.3.2021 Weather: Sun Clads, 705	Core Type:	ntertidal Subtidal	Shoaling
	Field Staff:	SP. CF.ES	
Logged By: S. Peplinizer		16 SM 34	
Field Collection Coordinates:			- 1
Lat/Northing: 190386.64	Long/Easting:	1278257.	54
			Sovetion (ft MI I W)
A. Trator Bop		ements C. Mudline E	((and it)
Divided Depth Country	1453	-1.0 F	- WILLOW
DTM Lead Line: 10.6 ft Height:	9.59 ft	Pacovery Me	asurements (prior to cuts)
Source:	LOWRIK	TRECOVERY INC	,
December 1	tide station	† [m]	
Core Collection Recovery Details:		3	
1. Core Tube Length: 1) Ft 2. Penetration Depth: 9 ft 214.3 cr	n		
3. Headspace Measurement: 3.3 ft			Core Sections To Process:
4. Field Recovery Depth: 6.7 Ft ft 204.2cr	n		11
5. Field Recovery Percentage: 74.4%			A: /7 / /
6. Core Accepted (Yes / No			B. See arousing
7. Processing Recovery Depth: ft 202 cr	m	1 4	B: Fu Wods//
8. Adjusted Recovery Percentage: 73.6%			(05.
Drive Notes:			<u>C:</u>
Slow stady done;			
went Asian towards end			D:
Stopped at 9 ft chive.			
			-
(4)		, PA	
Shoe Description:			
		internal calor minor me	odifier, MAJOR modifier, other
	Sediment type,	moisture, color, millor mo	ic layer, debris, plant matter, shells,
Core Field Observations and Description:	biota	or, snoon, rayaring, arran	
	Diota		
17/			
The state of the s			
Notes:	3.6		
About 9.2 ft from target (new	seAl.		
LIPOR ALL LA LA DIMI HATTER A COLOR	a v j		

Windward Sediment Core	e Collection Form Page $\frac{7}{1}$ of $\frac{8}{1}$
Project: LDW AOC4 - Phase II Date: Aug 3, 2021 Weather: Sin Clads 705 Logged By: S. Paplinger	Attempt No.: 7 Core Type: Intertidal Subtidal Shoaling Field Staff: SEES CF
DTM Depth Sounder: 1472Ch Time: 14	
DTM Lead Line: Height: Source:	9.18 ft DW RTL Recovery Measurements (prior to cuts)
1. Core Tube Length: 9 ft 2. Penetration Depth: 7.5 ft ft 228.6 cm 3. Headspace Measurement: 3.25 ft 4. Field Recovery Depth: 5.75 ft ft 175.3 cm 5. Field Recovery Percentage: 76.7% 6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft 175 cm 8. Adjusted Recovery Percentage: 76.6% Drive Notes:	Core Sections To Process. A: A - G B: See provising C: C:
Shoe Description:	
Core Field Observations and Description:	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, she biota
· · · · · · · · · · · · · · · · · · ·	
Notes: About 19 ft from rensed target	

/			1
Windward Sediment	Core Collection F	orm Page 1 of 5	-
Bright Im I Area Ole and I	Location ID: T	-699 (X)	
Project: LDW AOCA-Phose 11	Attempt No.:	611 (*)	
Date: \$.2.2021	Core Type: Intert	tidal Subtidal Shoaling	
Weather: Sunny 76s		ES RT	
Logged By: S. Replinger	ricia otani Sie	, Es, FI	
()			1
Field Collection Coordinates:	Long/Easting: 17	278244 62	
Lat/Northing: 190350.(6	Long/Easting. (2155-11.62	1
B.W.	Vator I ovol Measuremei	nts C. Mudline Elevation (ft MLLW)	1
and the same of th		-32 ft MLW	
DTM Depth Sounder: 8.02 C+ Time			
DTM Lead Line: 7.2 Ct Heig		Recovery Measurements (prior to cuts)	
500	rce: LDW RTH	(Accepted) inconstruction (Accepted)	
a a u da Barria Detaile.	ndestation	† (m)	
Core Collection Recovery Details:		3	
1. Core Tube Length: 9 ft	1 om		
2. Penetration Depth: 1.5 ft 45.	<u>cm</u>	Core Sections To Process:	
3. Headspace Measurement: 7.5	7 cm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
4. Field Recovery Depth: 1.5 ft 45:	1 CIII	A H- Se proc	e 581 V
5. Field Recovery Percentage: 100%		1 1 1	1
6. Core Accepted: Yes (No.)		⊥	40
7. Processing Recovery Depth: ft 45		1 4 2	7
8. Adjusted Recovery Percentage: 96.5%	,		
Drive Notes:		T T <u>c:</u>	-
hit refusel at ~1.5ft		9/20	- 1
11.1		D: (9a)	_
		•	
Chap Description:			
Shoe Description:			
	Sediment type, moisti	ture, color, minor modifier, MAJOR modifier, other	10
Core Field Observations and Description:		neen, layering, anoxic layer, debris, plant matter, shell	.s,
	biota		-
			=
			_
			_
			\neg
			\dashv
			-
	Ti and the second		
Notes:			
NOISS.	a close Library had	+ piece of rock/condicte.	
Location just days from np ray	Slope likely 1117	PRICE VIEW PERIODS	
Abus 1 ft from target.	J		\dashv
0			-

TYP 1/ 1	O-HHon Form
Windward Sediment Core	e Collection Form
Project: LDW21 - ACCA Phose 11	Location ID: 1T699 (Y)
Date: 8:2:2021	Attempt No.: Core Type: (ntertidal Subtidal Shoaling
Weather: Sunny, 70s	Cold Types (missing)
Logged By: S. Replinger	Field Staff: SP,6S, RT
Field Collection Coordinates:	Lang Costing
Lat/Northing: 19 6342.54	Long/Easting:
B Water	Level Measurements C. Mudline Elevation (ft MLLW)
The training party (Series 12-13-17	104466 Ft MLLW
D 111 D 0 0 11 10 10 11	486.61
	DW 2TK Recovery Measurements (prior to cuts
= 11.5	tidestainen +
Core Collection Recovery Details:	3
1. Core Tube Length: 10 (1) (1)	- I -
2. Penetration Depth: 2.5 ft ft 76.2 cm	Core Sections To Proces
3. Headspace Measurement: 7.75 ft	-
4. Field Recovery Depth: 2.25 tr ft (8,6 cm	1 A: A -B
5. Field Recovery Percentage: 90%	- Lee DO ARESIA
6. Core Accepted: Yes // (No.) (%) 7. Processing Recovery Depth: ft 7 0 cm	1.9% 1 4 BE Procession
7. Processing Recovery Depth: ft 70 cm 8. Adjusted Recovery Percentage: 43-79-9	1.9%
Drive Notes:	
Drive Notes.	
Ecoydriu, Then hit	
refused 25 EL	
1	
1	
a	
Shoe Description:	
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, si biota
	The state of the s
8	
	(A)
Notes:	
About 85 ft from target	
0	

Windward Sedim	ent Core Collecti	on Form	
		/ \	Page <u>5</u> of _
Project: LDW ACCA - Phasell	Attempt No		<u> </u>
Date: 8 2 2021	Core Type:	Intertidal Subtidal	Shoaling
Weather: Sunny, 70s	Field Staff:	SR ES RT	Oncaming
Logged By: S. Diplinger	- Field Stall.	514, ES, RI	 ;
Field Callegation Coordinates			
Field Collection Coordinates:	Long/Eastin	g: 1278333.33	
Lat/Northing: 190305.47	Long/Easuri	9. 1610.000.00	
A. Water Depth	B. Water Level Measu	rements C. Mudline	Elevation (ft MLLW)
DTM Depth Sounder: 11.34	Time: 115.3	-434	t mliw
DTM Lead Line: 10.9 Ct	Height: 6.64		
DTIVI Lead Line. TO ME	Source: LDW PTE	Recovery Me	easurements (prior to cuts)
	tide Status		
Core Collection Recovery Details:	That Staties	i G	72
1. Core Tube Length: 10 ft.		3	
2. Penetration Depth: 9 ft f	274.3 cm		
3. Headspace Measurement: 2.5 fb		1 1 1 1	Core Sections To Proces
4. Field Recovery Depth: 7.5 ft f	228.6 cm	1 1 1 1	
5. Field Recovery Percentage: 83 3° E	A		A See processi
6. Core Accepted: (Yes)/ No			109.
7. Processing Recovery Depth:	1226.6 cm	1 4	В: 153
8. Adjusted Recovery Percentage: 63	3 70		41-
Drive Notes:			c: /] - (5
freely drove to torget of	enelvatur.		
Was dies is it a			D:
		• 🔼	
Shoe Description:			
Since Description.	// <u>/</u>		
S. S. M. Ohannations and Decembri	(5)3	moisture, color, minor mo	odifier, MAJOR modifier, other ic layer, debris, plant matter, sh
Core Field Observations and Descripti	biota	401, 0110011, 12,01111.g; 111111	
Gap in sediment as a res	At of material los	it at of bottom	
11 547 35000 500			
			4
			38
			70
Notes:	11 A	1	
Lost some material act of b	ottom of for when	bringing on b	DUNIA (MOUT 1.5-1.4
About 45 ft from reused	target (away from	n shore.	
Process 25 176992.	0		
- LUNGO - LUNG			

dopy w/edits ; tor review

Windward Sediment	Core Collection Form
ACCA Phase 2 (DW2)	Location ID: 701-
Project: 7 (5% / 2)	Core Type: Intertidal Subtidal Shoaling correct
Weather: 82° \$ SUNNY	Field Staff: ATB, GT, SM correct
Logged By: ATB & ST	11010
Field Collection Coordinates:	Long/Easting: 1278471.33
1 at/Northing: 19 0301.39	Long/Easting: (X 7 0 1 1 5)
	Vater Level Measurements C. Mudline Elevation (ft MLLW)
A. Water Depth	e: 16:10
La TO) to mud Sou	rce: LDW RTK tide station Recovery income
	1 3
Core Collection Recovery Details: 1. Core Tube Length: 3.5 ft	
1. Core Tube Length: #35 ft 100	core Sections To Process:
3. Headspace Measurement:	cm what is(-3) cm what does ToD Core Sections To Process: A - D (particular)
I Field Decement Depth CX	what does TOO A
5. Field Recovery Percentage: \$2 8. 6. Core Accepted Yes / No	stand for? B: See proasons
S 7 Processing Recovery Depth:	9 cm OD: top of deck 4
4.9 8. Adjusted Recovery Percentage: 6 2.7	top of the water is 3ft;
Drive Notes: SUCCESS	i.e. barge deck is 3ft
	above the surface of D:
	the water within the
Y	drilling moon hole/pool
	Ca de
Shoe Description:	100 modifier other
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells
Core Field Observations and Description:	biota
	18/06
LOOKS 40 00 3-10	
MOCILENT	TCM SS 2
ANCHECO	OT COLOR
	What me
BARS Gold	ed to base of Sample - Whish
	to prevent cross contamination during
	storage within the
Notes: + Close as 150	cooler on the
12000 000 1000	processing barge - or
	any water escaping the
	tube, and going past the seal (tape); a
	plastic zip lock bag
	was also secured to

copy w/edits; for review

	Windward Sediment Core Collection Form
	Project: (DW21) Location ID: 701 - Second interval
	Date: 7(26/2) Attempt No.:
	Weather: 77° Sunny Core Type: Intertidal Subtidal Shoaling
	Logged By: ATB, GT, SM correct
	Field Collection Coordinates: Lat/Northing: 1903934 Long/Easting: 1278471.33
dere	A. Water Depth B. Water Level Measurements C. Mudline Elevation (ft MLLW)
The sale	DTM Depth Sounder: Time: 8,1 a can confirm after processing
2000 Z	DTM Lead Line: S,94 t Height: +8.3 GPS data is completed
Ne	Source: DW SAX Recovery Measurements (prior to cuts) Stables Core Collection Recovery Details:
	Core Collection Recovery Details:
ok;	1. Core Tube Length: 3.5
water	2. Penetration Depth: 3.5—\$6.35 ft 63.6 cm 7.77
column	3. Headspace Measurement: 1.5 Cere Sections To Process:
height is	4. Field Recovery Depth: 2 ft cm
	5. Field Recovery Percentage: 73 1/-
9 ft	6. Core Accepted: Yes / No 7. Processing Recovery Depth: ft (alo cm) 8: See Processing
	7. Processing Recovery Depth. It We cit
	Patisal @ 75 ingles (6.25%)
	Sang layer from other appendix
	Reacted (See 699)
	1200 150 10 2750
	Drivedi Stance 2.75+1
	→
	5 5 1 5 6 5 d
	Shoe Description: Dark Black Medium Fot + Sand
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
	Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells.
	ADOUGAL - OTCH
	HRUIECEOSTE UT
-	
	Notes: Second interval Smaller than first, very signifer material
	no Socoal attemption poguired Bogs Alled to Bothon

Windward Sediment C	Core Collection Form
Project: LOW ACC4-Phase II	Location ID: T702 (X)
Date: Aug 3 2021	Attempt No.:
Weather: 500 Clouds 705	Core Type: (Intertidat) Subtidal Shoaling
Logged By: 5. Replication	Field Staff: 5/2, ES, CF
zoggen zy.	
Field Collection Coordinates:	
Lat/Northing: 190258.59	Long/Easting: 1278522.24
	46, 481 1 180
A. Water Depth B. Wa	ater Level Measurements C. Mudline Elevation (ft MLLW)
DTM Depth Sounder: ND (Signalium) Time:	15:26 1278522.24
DTM Lead Line: 3.9 ft Height	nt: 9.85 ft
Source	ce: LDW RTL Recovery Measurements (prior to cuts)
	tide station + =
Core Collection Recovery Details:	3
1. Core Tube Length: 10 ft	
2. Penetration Depth: 4.3 ft 131.1	\ cm \ Core Sections To Process:
3. Headspace Measurement: 6.15 ft	
4. Field Recovery Depth: 3.85 (+ ft) 17.3	3 cm A -> /)
5. Field Recovery Percentage: 89.5%	A: /\
6. Core Accepted: Yes / No	- La pariseira
7. Processing Recovery Depth: ft 115	cm 1 4 B. Suc 1/10 1/10
8. Adjusted Recovery Percentage: 67.7 %	
Drive Notes:	<u>C:</u>
Located Soft Spot amid rocks	debos
Steady drive until but refuse a	N 42 Ci. D:
Steady one own his recoset a	31 1-3 ×11-
0	
15	
	W SEE
a. B. Saladana	
Shoe Description:	
	Sediment type, moisture, color, minor modifier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells,
Core Field Observations and Beschpare	biota
Notes:	1 1/2
About 7.8 ft from target	location.
. 0	

Windward Sodim	ent Core Collection I		4
Wind ward Sedimo		12	Page 4 of
Project: LDW AOCA - Phose II		1702 (1)	
Date: 08.03.2021	Attempt No.:	rtidal) Subtidal	Shoaling
Weather: Sun/clouds 70s	Core Type: Inte		Silvailing
Logged By: S. Replinger	Field Staff: S	R, ES, CF	
. 0			
Field Collection Coordinates:		10700 4 16	
Lat/Northing: 190263.03	Long/Easting:	218514.14	
Maria Maria		C. Mudling E	levation (ft MI I W)
A. Water Depth	B. Water Level Measureme	enisc. Widdine L	7- MLLW
DTM Depth Sounder: NA (Shalkar)	Time: 1650	16,5	FILLU
DTM Lead Line: 3.5 ft	Height: 9.95 ft	Pecovery Me	asurements (prior to cuts
	Source: LOW PIK	Necovery wich	abaromente (pros de san
Detailer	tide station	† [m]	
Core Collection Recovery Details:		- 3	
1. Core Tube Length: 10 ft	t 198,1 cm		
Z. I OHOLI GHOLI	193,1 011		Core Sections To Proces
3. Headspace Measurement: 4.25 (+	t 175.3 cm		1
			A: 4-1-
5. Field Recovery Percentage: 98.5%	<u> </u>	1 1 1 1	
Core Accepted: (Yes) / No Processing Recovery Depth:	t 169 cm		BSee processing
8. Adjusted Recovery Percentage: 85.		1 4	100
	5.8	무니무니	C: 103
Drive Notes:	- 01	1 1 1 1	
Steady drive down to 6.	5 ++.		D:
	thed to turn .		<u>D.</u>
down Setting to cor	nhove drive,		
but no suidess in a	down deeper.		
	\mathcal{I}		
	2:		
u	1		
Shoe Description: See precession	7 ()	14	
	Sediment type, moi	sture, color, minor mo	difier, MAJOR modifier, other
Core Field Observations and Descripti	constituents, odor,	sheen, layering, anoxi	c layer, debris, plant matter, s
Core Field Observations and Bosonia	biota		
	A.		100
Notes:		~	
About 13 ft from to	rout location (downst	ream).	
THOUSE IS THE MAN TO	0		

Sediment Core Collection Form				
Attempt No: Date: @	Windward Sediment Core	e Collection F	orm	Page 1 of
Attempt No: Date: @	\\\	Location ID: 1T	703 (X)	
Weather: Sunny 70s Field Staff: Sp. S.F.		Attempt No.:		
Field Collection Coordinates: Lat/Northing: ISOTI 86 A. Water Depth DTM Depth Sounder: 5.36 ft) DTM Lead Line: 6.0 ft Core Collection Recovery Details: 1. Core Tube Length: 10 ft 2. Penetration Depth: 4 ft 7.34 ft Source: 10 ft 2. Penetration Depth: 7 ft 7.9 ft 7.9 rocessing Recovery Percentage: 6.5 ft 8. Aljusted Recovery Percentage: 6.5 ft Core Accepted (Yes) No 7. Processing Recovery Percentage: 6.5 ft Core Accepted (Yes) No 7. Processing Recovery Percentage: 6.5 ft Core Accepted (Yes) No 7. Processing Recovery Percentage: 6.5 ft Core Accepted (Yes) No 7. Processing Recovery Percentage: 6.5 ft Core Accepted (Yes) No 7. Processing Recovery Percentage: 6.5 ft Core Accepted (Yes) No 7. Processing Recovery Percentage: 6.5 ft Core Science of the Percentage: 6.5 ft Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s bioda		Core Type: Intert	idal) Subtidal	Shoaling
Field Collection Coordinates: LatNorthing: 1901186 A. Water Depth DTM Depth Sounder: 5864 DTM Lead Line: 6.0 ft Core Collection Recovery Details: 1. Core Tube Length: 10 ft 2. Penetration Depth: 4 ft 121,9 cm 3. Headspace Measurement: 7.4 ft 4. Field Recovery Depth: 7.2 ft 179.2 cm 5. Field Recovery Percentage: 65 % 6. Core Accepted (Yes / No 7. Processing Recovery Percentage: 63.27. Drive Notes: Grand Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shots Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shots	Weather: Sunny, 70s	Field Staff: SIZ	ESPT	
A. Water Depth DTM Depth Sounder: 586 ft DTM Lead Line: 6.0 ft DTM Lead Line: 6.0 ft B. Water Level Measurements C. Mudline Elevation (ft MLLW) + 1.5 ft m Lew Height: 7.34 ft Source: Lond Eth Source: Lond Eth Time: 12/5 Height: 7.34 ft Source: Lond Eth Tide S block Core Collection Recovery Details: 1. Core Tube Length: 10 ft 2. Penetration Depth: 4 ft 12/9 cm 3. Headspace Measurement: 7.4 ft 4. Field Recovery Persentage: 65 ft 6. Core Accepted (Yes) No 7. Processing Recovery Depth: ft 79.2 cm 8. Adjusted Recovery Persentage: 65 ft 8. Set pro 6.57 Drive Notes: Gretty And to refeat Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota	Logged By: S. Replinier			
A. Water Depth DTM Depth Sounder: 586 ft DTM Lead Line: 6.0 ft DTM Lead Line: 6.0 ft B. Water Level Measurements C. Mudline Elevation (ft MLLW) + 1.5 ft m L w Height: 7.34 ft Source: Lond Eth Source: Lond Eth Source: Lond Eth Height: 7.34 ft Height: 7.34 ft Source: Lond Eth Height: 7.34 ft Heigh	Title Callection Coordinates:		277	
A. Water Depth DTM Depth Sounder: 5.36 ft DTM Depth Sounder: 5.36 ft DTM Lead Line: 6.0 ft Core Collection Recovery Details: 1. Core Tube Length: 10 ft 2. Penetration Depth: 4 ft 4. Field Recovery Depth: 7.4 ft 4. Field Recovery Percentage: 6.5 ft 6. Core Accepted(Yels No 7. Processing Recovery Depth: ft.7 cm 8. Adjusted Recovery Percentage: 6.3.27c Drive Notes: Shoe Description: hard, compacted graw + Sand Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biots Note: 1. Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biots	Field Collection Coordinates.	Long/Easting: 1'	278608.51	
Time: 12 5 Fleight: 7.34 th Source: 10N PTE Height: 7.34 th Source: 10N PTE Hold S bitton Recovery Measurements (prior to cuts Core Sections To Process A. A. 1) B. See proc	Lat/Northing: 19/01/17/06			Investigate (#4 MILL IV)
DTM Depth Sounder: 5.86 ft DTM Lead Line: 6.0 ft Height 7.34 ft Source: 10.0 lt lead Line: 6.0 ft Height 7.34 ft Source: 10.0 lt lead Line: 6.0 ft Height 7.34 ft Source: 10.0 lt lead Line: 6.0 ft lead Line: 6.0	A Water Depth B. Water	Level Measureme	nts C. Mudline E	levation (it micra)
DTM Lead Line: 6-0 ft Source: DN ETE Source: DN ETE The Source:	DTM Depth Sounder: 5.86 ft Time: 1		+1.5 FF	muu
Source: Link Station Core Collection Recovery Details: 1. Core Tube Length: 10 {+ 2. Penetration Depth: 4 {+ 3. Headspace Measurement: 7.4 {+ 4. Field Recovery Depth: 7.4 {+ 5. Field Recovery Depth: 7.4 {+ 6. Core Accepted(Ye's) No 7. Processing Recovery Depth: 6. 2.7 {+ Drive Notes: Greeky druct to refusal Shoe Description: Nava compacted greek + Sand Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shipted.	DTM Lead Line: 6.0 ft Height:		Descript Me	asurements (prior to cuts)
Core Collection Recovery Details: 1. Core Tube Length: 10 (4) 2. Penetration Depth: 4 + 1 ft 121,9 cm 3. Headspace Measurement: 7.4 (+) 4. Field Recovery Depth: 7.6 (+) ft 79.2 cm 5. Field Recovery Depth: 6.5 % 6. Core Accepted (Yes) No 7. Processing Recovery Depth: ft 7+ cm 8. Adjusted Recovery Percentage: 6.3.27. Drive Notes: Graph And to recost	Source:		Kecovery Inte	asarcinomo (pine
1. Core Tube Length: 10 the 2. Penetration Depth: 4 the fit 121,9 cm 3. Headspace Measurement: 7.4 the 4. Field Recovery Depth: 7.6 the fit 79.2 cm 5. Field Recovery Percentage: 65 the 6. Core Accepted (Yes) No 7. Processing Recovery Depth: fit 77 cm 8. Adjusted Recovery Percentage: 63.27. Drive Notes: Shoe Description: have compacted gravel + Sand Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiots		tide stanon	1	
2. Penetration Depth: 4 ft ft 79.2 cm 3. Headspace Measurement: 7.4 ft ft 79.2 cm 5. Field Recovery Depth: 7.6 ft ft 79.2 cm 6. Core Accepted(Yes / No. 1 No	Core Collection Recovery Details:		3	
3. Headspace Measurement: 7.4 (H 4. Field Recovery Depth: 7.6 (H 5. Field Recovery Percentage: 65 % 6. Core Accepted(Yes) No 7. Processing Recovery Depth: ft 77 cm 8. Adjusted Recovery Percentage: 63.27. Drive Notes: Grady And to refuse Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota	1. Core Tube Length: 10 th	n		
4. Field Recovery Depth: 7.6 th 17.2 cm 5. Field Recovery Percentage: 65 % 6. Core Accepted (Yes) No 7. Processing Recovery Depth: ft 77 cm 8. Adjusted Recovery Percentage: 63.27 Drive Notes: C: Shoe Description: hard compacted gravel + sand Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota		<u> </u>		Core Sections To Proces
5. Field Recovery Percentage: (5.5 %) 6. Core Accepted (Yes) No. 7. Processing Recovery Depth: ft 77 cm 8. Adjusted Recovery Percentage: (3.2 %) Drive Notes: Graty data to refisal Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiota	3. Headspace Measurement: 1.4 tr	_ n		1 - 1
6. Core Accepted (Yes) No 7. Processing Recovery Depth: ft 77 cm 8. Adjusted Recovery Percentage: 63.27. Drive Notes: Gray draw to refisal Shoe Description: hard, compacted graw + sand Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota	4. Field Recovery Deptn: 2.64 1. 19.2 G			A: H
Drive Notes: Greety draw to refisal Shoe Description: hard, compacted grawl + 3 and Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiota	5. Field Recovery Percentage. 65 /6			See on cesso
Drive Notes: Greety draw to refisal Shoe Description: hard, compacted grawl + 3 and Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiota	6. Core Accepted (1es) No.	n.		B: 342 51 0 0
Drive Notes: Greety draw to refisal Shoe Description: hard, compacted grawl + 3 and Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiota				105.
Shoe Description: hard, compacted gravel + Sand Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shota			7	<u>C:</u>
Shoe Description: hard, compacted gravel + Sand Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota				
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota	freely drue to remost			D:
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota				
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota				
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota	/		1 1 1 1	
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota				
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota				
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota	6			
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shiota				
Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, s biota	Shop Description: but consparted are	ixl +sand		
Core Field Observations and Description: constituents, odor, sheen, layering, anoxic layer, debits, plant meters biota	Silve Description: Yildi C. Corressor			differ MA IOR modifier other
biota biota	Ye.	Sediment type, mois	ture, color, minor mo	ic layer, debris, plant matter, s
	Core Field Observations and Description:		neen, layering, and	o layon training
Notes: Abut 8 ft from target (revised).	5277334 T	Diora		
Notes: Abut 8 ft from target (revised).				
Notes: Abut 8 ft from target (revised).				
Notes: Abut 8 ft from target (revised).	9			
Notes: About 8 ft from target (revised).				
Notes: About 8 ft from target (revised).				
Notes: About 8 ft from target (revised).				
Notes: Abut 8 ft from target (revised).				
Notes: Abut 8 ft from target (revised).				
Notes: About 8 ft from target (revised).				
Notes: About 8 ft from target (revised).				
About 8 ft from target (revised).	Notes:	\ \		
711.002	About 8 ft from target (re	vised).		
	(1000)	8		

./ .	0-1141 5	~ rm	
Windward Sediment Co	re Collection F	(V)	Page <u>3</u> of <u>\$</u>
Project: IDW AOCA - Prose II		703 (1)	
Date: 8.2.2021	Attempt No.:	idal Subtidal	Shoaling
Weather: Sunny 905	Core Type: Intert	dai) Sublidai	Gridaing
ogged By: 5 Replinger	Field Staff: SR		
33.00			
Field Collection Coordinates:	s real manages N	2000110	
at/Northing: 90 59.82	Long/Easting:	210541.40	4
do not mig.	er Level Measureme	oto C. Mudline F	levation (ft MLLW)
	r Level Measuremei	-0.8 4	1 milw
OTM Depth Sounder: 3-9.9 ft Time:	1600	0.0 1	7 11:000
OTM Lead Line: 10.3 ft Height:	9.12 FF	Recovery Me	asurements (prior to cuts)
Source:		INECOVERY INFO	
	tidestation	† [m]	
Core Collection Recovery Details:		3	
1. Core Tube Length: 10 ft	-m		
2. Penetration Depth: 8 ft 143.8 c	///		Core Sections To Process:
3. Headspace Measurement: 6.2 41	m 129 5 cm		Λ / -
4. Field Recovery Depth 3 8 4 4 25 ft 45 8	an 10 10 000		A: H-6
5. Field Recovery Percentage: 47.5% 53%	2_		60,000,000,0
S. Core Accepted Yes // No 7. Processing Recovery Depth: ft 120	om .		B. See processing
Flocessing recovery 20pm	<u> </u>	1 4	105.
5. Adjusted Necovery 1 ordaning - 1 11.			C:
Drive Notes:			-
freely drove - slow steady dry	re		D:
to travact penegration	9		D.
	,		
		•	
• 26			
Shoe Description:			and top wedder other
	Sediment type, moist	ure, color, minor mo	difier, MAJOR modifier, other
Core Field Observations and Description:		neen, layering, alloxi	c layer, debris, plant matter, she
	biota	0.1.0	
upper layer at one toverlying u	valer hus rusty	Color	
- Mr 2 ()			
Notes:			
About 29 ft from reused torget	5.		
NOWY ET IT WORTH TOWNS			
V			

Windward Sediment Con	re Collection	Form	Page 5 of 5
environmental	Location ID:	IT703 (Z)	Page <u></u>
Project: LOW AXA-Phase II	Attempt No.:	11 103 (2)	
Date: 8.3.2021	Core Type	ntertidal Subtidal	Shoaling
Weather: Sunny 708	Field Staff:	SIZ ES CF	<u> </u>
Logged By: S. Replinger	Field Stair.	514, 65, CF	*
Field Collection Coordinates:			
Lat/Northing: 190154.31	Long/Easting:	1278578.83	
A. Water Depth B. Wate	r Level Measure	ments C. Mudline El	evation (ft MLLW)
	1137	-0.7 f	+ muu
DTM Lead Line: (5.3 ft) Height:	4.54 ft		
	LOW RTIC	-	asurements (prior to cuts)
Core Collection Recovery Details:	tidestation	` † [3]	
1. Core Tube Length: 10 \$\cupecture{\cupectu			
2. Penetration Depth: 8 ft 243.8 cm	m		
3. Headspace Measurement: 3.9 ft	_		Core Sections To Process:
4. Field Recovery Depth: 6.1 ft 185.9 c	m		1
5. Field Recovery Percentage: 16.3%			A: H-6
6. Core Accepted: (Yes) / No	-		See processing
	m		B: 109 V
8. Adjusted Recovery Percentage: 70.195		1 4	,
Drive Notes:			C:
Drive Notes:) i		
- Freely drue to target about 5 f	- F		D:
enrountered resistence at 5ft	then		<u>D</u> ,
	depth		
Nr 8 Ft.	i.	1 1 1 1	
Ur 5 Th			
		1 1 1 1	
			8
9 11		1 2	
Shoe Description:	1		
	-12 11	-inter- polor minor mor	difier, MAJOR modifier, other
Core Field Observations and Description:	constituents, odd	or, sheen, layering, anoxid	layer, debris, plant matter, shells
Core Field Observations and Description	biota		
			31.
X			
Notes:	-1		
About 42 ft from rensed tag	ger.		

Sed	ime	nt (Cor	e Process	ing Log	4	2 ANCH	
Job:		4 Duv			Station ID: 50500	, >	G QEA	2
Job No		0067-			Date/Time: 7/20/21 06/14	Pavel	15 Sen @ 0830	
No. of					Core Logged By: S. STNAHL			
Drive L	ength	:5.0		152.4 cm	Attempt #:		Diver Core	
Recove	ery: 4	24	01	U BORT	77-	racore	☐ Diver Core	
% Rec	overy:	-56000	"	S CM = \$1.71.	Diameter of Core (inches) 4 Good Fair	Poor	☐ Disturbed	
Notes.	Thore	7767	. 124	, car = 81, 41.	Core Quality			
Recovered Length (R) ?	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture with A	Classification and Remarks c, Color, Minor Constituent, MAJOR Constitue dditional Constituents, Sheen, Odor)	Rec	Sample	Summary
 		5	95	0-124.5 cm	: STLT (mi) - SOFT, SATUR	- -		
				Arm se to	36 cm, THEN LIED. STEFF,			9
				5-4-4-5	CHESH GREY, FENE GRAFNEN SAMS.	70		1600
20					•			wan
					2,67,76,85,95: OAG Auses- pool	_		1, 1
-				@9: 1/8	" Fend to Mero. Graduus Sand Clas	r -		1111
40					No.	40		
						_	1.7.	
=						-	49.0 cm	-[',' (]
								11,
60				Q = 12 · 1/2	I FEWE to MED. GARAGET SANS BOLLENS	<u>60</u> 0		
l F				[[43. "	TENE TO THE THE THIS LENS			the last
						_		10
80				@88-91	: FEWE TO MED. SPAGNED SAND CLAST	100		trep
00								
						-		75
<u> </u>				P99-124	.5 cm: OP4ANECS - 101. ROUTS / ROUT M	47 -		(101)
loo				MAI	BOTAL WATH MODERATE HZS-UILL	100		N L
					cnen	-		Hope
l -					*			4
					22	130		below
170						120		1440
				FAN	of contatzy.5cm			2
						-		
Tvc	,					140		
								1 1
l ⊢						-		
				-		_		
-						-		
						_		
-								
) [E		
Í						-		
-	1	ı	1			_	1	

Sediment	t Cor	e Processing Log	1	& ANCHO		
Job: AOC4 [Duwamis		, ×	QEA S		
EE 9791570	67-02.02		proces	Se1 € 8900		
No. of Sections: Drive Length: 3.	547 = 1	Core Logged By: S. STNEHL / Attempt #: /				
Recovery: 3.4	FT 67	Type of Core Mudmole Vibra	acore	□ Diver Core		
% Recovery: 9	7.1 67	Diameter of Core (inches) 4"	_	Distributed		
Notes: (1005550	= 103 cv	u = 96.5 1, Core Quality	Poor	Disturbed		
Recovered Length (M) Size % Gravel	8 %	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Recovered A Length (K) F	Sample	Summary	
-	5 95	0-103 cm: SILT (ML) - SUFT, SATURATED TO	Εl		141	
		29 cm THAN MED. STEFF, MOSSIF, BLACKESH GREY,	=			
20		FINE GRAINES SAND.	70			
		@1,414! STOTA-Lopais	- 1		Hart	
		@11,27,37,50,60,77: OREANESS- ROOTS				Ø.
<u>40</u>		e 43,73,80184 : 1/4" Frame to Mes. GRATALE SAND (S) LENSES	40			
		SAND (Sp) LENSES			121-16	
		@ 57-54: FENG TO MED GOLFMEN SAMO (SP) LEWS	⊢ I	57.9cm		
<u> </u>			60		4/2	
1 FI I		A da - Million de Pr	F 1			
) E I I I		6 73: BRICK FRAGMONT	FI		- 60	
<u> 50</u>		_	80		Well-	
		@91: 12" WOOD STEARS	F		wat	
 		092: PERCOLU SHEEN FLANETTE	Εl			
			مما		*	
Teo	1 4	End of white Closen				
 		ens of whice the second	 -			
1						
<u> 1</u> 2e			120			
			F			
<u> -</u>			_		1 1	
 						
 			-			
 		n n		4		
			-			
			_			
<i>2</i> ⊢ [E			
			1	I	1 1	

Job:	AOC	4 Duv	vamis	h	Station ID: 5052	V	QEA S		
Recove % Reco	Section ength ery: 3 overy:	:4,01 .5 FT 87.4	======================================	21.9 cm N BOAT ON BOAT CM = 91.5 7,	Date/Time: 7/20/2021 07: Core Logged By: 5. STREET Attempt #: 1 Type of Core	oracore Poor	Diver Core Disturbed	5	
Recovered Length (N) §	Size % Gravel	Size % Sand	Size % Fines	with .	Classification and Remarks re, Color, Minor Constituent, MAJOR Constitue Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch	
20		5	95	TO 14cm TO GREY, FA @6,24,32 C13: BEOTO	SILT (ML) - SOFT, SATURATED HEW MED. STEFF, MOTST, BLACKISH FNE ARKFILM EAND , 42,46,51,66,74,84,86: ONGANIST ROOTS/REED! WOWN CHUNK	20 -	S(502	200	54.
1 1 2 1 1 2				@ 42, 49 : ·	L FRAGMENTS WOOD SHREDS /FRAGMENTS O) CHUNK 2"	40 - - - - - - - 80	54,9 cm	1	
80 		95	5	MED. DENSE TRACE	: poolly gadoen samo (sp) - E, morst, dare gary, F-men golfne sflt. NO of cone @ 111.5 Cm	~ E		100	ľ
				I					
ſΕ					8	-			

Page ____ of ____

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	JK
Job:		4 Duw		-57.2	X	GEA 🕰	
Job No		0067-			45	processes @ 4	620
No. of S				Core Logged By: S. STICHL		77	
			FT =	107.7cm Attempt #: 1			
				Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco	overy:	94.	5-1,	Diameter of Core (inches)			
Notes:	DOCE	ssen:	94.	5 cm = 87.71, Core Quality ☐ Good ☐ Fair ☐	Poor	☐ Disturbed	
20.0					CM		
02	Gravel	Sand	Fines	Classification and Remarks	Recovered Length	Φ	ا ڇڇ ا
Recovered Length (N)	Ö	Š	ᇤ	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	돌	Sample	Summary Sketch
og g	%	% е	% ә	with Additional Constituents, Sheen, Odor)	el ec	Sa	50 8
& 3	Size	Size	Size	,	اد عا		"
				- 011 Com C - 1 - 1 - (Sun)			j. a.
-		90	lb	0-94.5 cm: SAND WATH STLT (SM)			11.0
				LOOSE, SATURATES, DARN GREY, FINE-	-	2	0
20				gastary Sany.	70	17503	
				@0-9 cm: 308-Roum France appliers	_		
				CIECM: SUB-RNO GOAVEL UP TO 1"	-	40	· · [
-						29.5cm	-0
प्र				@32,50: BASCU-LEKE FRAGMENTS 1/8"	40		·02
-				@ 37, 42, 72, 80: WOOD OF STEEL / FOR GUENTS			
				@30,43,76,65: GREY STLT CLAST 1/44	_		nerece
<u>60</u>				C53: BLACK SELT LEWS 12"	60		7 5
60							0
\ E I					- 1		
/ ⊢							· - ",
3-0				E79: ANGULAG SHALE FRAGMENTS UP 107"	हिं		\$ 23.
					-		11.11
l							
					L.		
leo				END OF COME @94.5 am	(00)		
I ⊢ I							
					-		1
I ⊢ I				±	-		
					-		
					L		
					-		
I ⊢							
					F	-	
					_		
-							
					_		
ΙĒ					- A		
-				,			
'y 🗀							
ſΕ		2			-		
1 1	ı	II.	II.	I .	-	I	1

SUB-PAND: SUB-PULLMEN GRANT

Page 1 of 1

Sedin	nent	Cor	re Processing Log	1	& ANCHO	JR
	OC4 D		1 201	X	QEA S	\approx
Job No.		7-02.02	Date/Time: 7/19/2021 13:00	/DAC	16554 8 1700	
No. of Se			Core Logged By: S.STREW	/ /		
			121.9 cm Attempt #: /		Diver Core	
Recovery			Type of Core Mudmole Vibra	core	☐ Diver Core	
% Recove			Diameter of Core (inches) Y Core Quality Good Fair	Poor	Disturbed	
Notes: PIA	ocessen	167	CM = 83.7 Core Quality K Good Fair	1 001		-
g b s	Size % Gravel Size % Sand	%	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (M)	Sample	Summary
	85	15	0-54 cm : STLTY SAND (SM) - LOUSE,	-		
			SATURATED TO 16 CM, THEN MED. DENSE,			MA.
			MOST, BROWNESS & GREY, FINE GAMMEN SAND.	20	أنسب	3.7
20			@6,15,25,40: OR 4 ANX (5 - ROOTS / BREWS / ALGAE		17504	Noar a
			(23,27 : 144 BLACK F-MED GRAFINEY SANDLENS	- 1		7
-0				-	37.7cm	
40				40		رابانس
		ار ا	54-102 cm: poory Grapes SAND (Sp)-	-		33.33
	95	5				. 6
			wose, moss, DARK GREY, FARE to MESTIM	7-0		
60			MULTICOLONEY GRAFAM SANS.	<u>60</u>		0
! -			C55,62,80: GREY MICLEY PEP UP			
2 E L			ceases up to 1/4"	-		
80				80		··· O
			· ·	<u> </u>		1 · · · ·
				H		6
				Ę.		· " .,
100				100		
-			EM OF CONF @ LOZ on	Ė		
				F		
<u></u> .				120		
120						
LFI			75	-	N	
-						
				_		
-				<u> </u>		
				-		
				-		
-		137				
			×			
) - 1			1	-		

Job: AOC4 Duwamis Job No. 180067-02.02 No. of Sections: / Orive Length: 3.5 - 2 Recovery: 3.5 - 2 % Recovery: 85.4 / Notes: Paccossey: 81	Date/Time: 7/20/2 0636 Core Logged By: 5.5math Attempt #: Type of Core Mudmole Vibra Diameter of Core (inches) 4 " Core Quality Good Fair Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Poor	Diver Core Disturbed	
5 95	0-89 cm: SILT (ML) - SOFT, SARAHTED TO IN COM THEN MED. STAFF, MUPST, BLACUPS H GREY, FANTE GRANDO SAND. Q & 2,6,60,67,71: ORGANICS + ROCTS/REFOR Q 8: WURDUS Q 35: 2" BLIVE GREY FANTE GRANDED SAND CLASS Q 61,74: FINE TO MED. GRAFTING SAND LENS (Sp) TO Yell ENT OF CONC. @ 59 cm	70 -	SC5 05	50

			e Process		SC566		V	QEA S	OR	
1.75 (3.75 (a) 5.34 (a)	OC4 Duv 180067- ctions: 1			Date/Time:	7/20/202 By: S. STNAY		4	processen @ 0	145	
Drive Len	gth: 3.0 F	6	N BOAT	Attempt #: / Type of Core	Mudmo	e 🛚 X Vibra	core	☐ Diver Core		
% Recove			1= 82.1%	Diameter of Core Quality	ore (inches) 4 Good	Fair □	Poor	☐ Disturbed		
overed A sales	Size % Gravel	ines	(Density, Moisture with A	Classification al e, Color, Minor Co additional Constitu	onstituent, MAJC lents, Sheen, Oc	lor)	Recovered C Length (18)	Sample	Summary Sketch	
	96		01275 AREY 18 3-75 cm: 5 46 cm THE GREM, FR Q9,11 Q15: Q16,1	EVE TO COARSE FLA (UNL)- N MEN. STEP FINE GRAINED 1,22,26,31,4 SHELL FRAGN 26,42,46: W PEACOCK SHE M) OF COME (GRAFIND SATURE FOR OFFICE OFFICE SHREDS W FEN FLOIRES	ATEN TO BUACASSH AMATUS - ROOTS STECKS AND TO 2"	40	Lja.zem	一年一部時季書棒心書	49.2

Page I of /

Job No. 180087-02.02 No. of Sections: Dirive Length: 106.7 cm as best with Additional Constituent, MAJOR	Sed	ime	nt (Cor	e Processing Log	1	RANCHO	OR
No. of Sections: Dive Length: 106.7 cm Diver Core Mudmole May Vibracore Diver Core Diver Core Mudmole May Vibracore Diver Core	Job:	AOC	4 Duv	vamis		×	J QEA	
Attempts: 106.7 cm Recovery: 97% on beat Remote Williams Recovery: 97% on beat Remote Williams Recovery: 97% on beat Remote Williams Recovery: 97% on beat Remote Williams Recovery: 97% on beat Remote Williams Recovery: 97% on beat Remote Williams Recovery: 97% on beat Recovery: 97% on				02.02		15	Tracess 13	75
Recovery 1936 cm so sent Type of Core Middrale Wibracore Diver Core Disturbed Processory 91% on seath Disturbed Core Grokes) 14 Notes: To process: 91% cm seath Disturbed Core Quality (1) Good Fair Poor Disturbed Core Grokes) 14 Notes: To process: 91% cm seath Disturbed Core Quality (1) Good Fair Poor Disturbed Core Quality				1				
Skecovery 97% on Sect Diameter of Core (Inches) 4" Notes: To process: 91.5 cm = 93.3% Core Quality & Good Fair Poor Disturbed Classification and Remarks With Additional Constituent, MAJOR Constituent, Section of Secti					TANCL I TANCL I	core	☐ Diver Core	
Classification and Remarks Classification and Remarks With Additional Constituent, MAJOR Constituent, With Additional Constituent, Major Constituent, With Additional Constituents, Sheen, Odor) 10 90 60 60 60 60 60 60 60 60 60	% Reco	overy:	979	to or	Diameter of Core (inches) 4"			
10 90 0-62cm: SILT (ML) dorte gray wet, Soft, non plants, sand is 10 10 90 15 15 black vesicular aggragate C 8cm 2' subr. gravel C 3 & 26 brown wood/branch pieces C 13 Fin. wed gray sand lenses C 11,35, 44, 48-52 10 41-96cm 10	Notes:	top	rocess	5: 90	1.5 cm = 43.3 % Core Quality 🔟 Good 🗆 Fair 🗀	Poor	☐ Disturbed	
2" subr. gravel @ 3226 brown wood/branch pieces @ 13 R. med gray sand lenses 21,35,44,48-52 30 41.98om 41.90om 41.90om 41.		%	8	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length	Sample	Summary Sketch
Go	10 10		10	90	2" subr. gravel @ 3 2 26 brown wood/branch pieces @ 13	- - -	17507	
gray, no ist, mod dunse, trace to multi-colored grains, gray silty day lenses c 71-73 & 84-86 90 94-99 Not observed, shoe Was empty.	 - <u> </u>					<u>। । । नी । । ।</u>	41.98cm	1. W
10 at - 20 () 99	<u></u>		95	5	gray, mo ist, mod dense, mice multi-colored grains, gray silty day lenses e 71-73 & 84-86	 	₩.	tyrinii
i = i 👉 i i uuu i uli l	<u> </u>				END OF CORE @ 99		l of 1	

Sed	ime	nt (Cor	e Process	ing Log				1	R ANCH QEA S		
Job:		4 Duv			Station ID:	50508			7			
Job No		0067-	02.02		Date/Time:	7/19/202	24	075	3/1	Mocessen (2 10)	20	
No. of S			1	h1 7 (11)	Attempt #:	d By: S. STRE	HL					
Recove				56.7 CM	Type of Core		nole 🕨	Vibra	core	☐ Diver Core		
				BUAT ON BUNT		Core (inches)	4"					
				m = 88.6%	Core Quality		I □Fa	ir 🔲	Poor	Disturbed		
									Cuy		\neg	
Recovered Length (N) S	Size % Gravel	Size % Sand	Size % Fines		e, Color, Minor d dditional Const	ituents, Sheen,	Odor)		ered (Sample	Summary Sketch	
	S	75	8 45	94: 26 929: 800 94: 2 15-14.5 cm Men. newse mensur P80: C87:	FU Mey ST GANTATU ,41,68: ODA ,41,68: ODA ,41,68: ODA ,38: SHELL DIN FINE GA BLACK FINE 4 STICK POURLY G ,MODET, DA MODET, DA	SAND. SAND. SAND. SAND. SAND. SE WOMEN FRAGMENT SAND TO MED. APAR	BUNCH TS / RECE S CLAST FRED SA FINS YO FAME	1/2"	20 30 50 50 50 50 50 50 5	53.1cm	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	53.
7 E												

Sed	me	nt (Cor	e Processing Log		ANCHO	
Job:		4 Duw			×	J UEA 3	
Job No.		0067-	02.02	Date/Time: 7 1 21 col		process 1300)
No. of S			3	Core Logged By: W. Back	er	199	
Drive L			12:5	Attempt #:	Vibrasara	☐ Diver Core	
Recove				Type of Core Mudmole Diameter of Core (inches)		- Diver Cole	
% Reco				Diameter of Core (inches) 4 Core Quality Good	Fair Poor	Disturbed	
	10 6	000), -[,) - 10 m Sold addity E2 5550 E			
Recovered Length ש を	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR (with Additional Constituents, Sheen, Odor)		Sample	Summary Sketch
30		5	45	0-114 cm: SILT (ML) dark gray, 1 wet, soft to 39, than sl. soft to 114. 01 we gray silty sand lev @ 23,40,51-52, to, so-8	~~013t, -	SC509A 45.6cm	innump
<u>a</u>				black organiz debris (turgi, EZI, 28 CG7: 3" branch 140	, leaves)	50509B 6B.40m 50509C	
90		10	90	49-114. increasing sand to 10% and scattered a wood dunles to 3/4"	content go	91.2em 50509D	200
120		50	20	114-291cm SILTY SAND (SM gray, Moist, med. w/ trace pyrite f sand is to-med.	dense -	114.00m 50509E 140cm 50509F	Zearr
- - <u> </u>				black organiz delovis (turgs frogs) @ 160,249,284, gray clay lenses @ 137,	171, 150	168159.60 505096- 182.40m 56509H	strong !
<u> </u>		æ		214, 231-235, trace blo mottling. @ 189-196: black, silt Non-plastrz @ 239: 3/4" wood debns (bo	leuse _	205.20m 50509I 228.80m	# 100 m
240 		70	30	245-291 Mcreas Mg silt co	-	505091 505091 273.600 505091 291.000	1
				END OF CORE @ 291 0	cin -		
300				THO OF WILL CLIFE	300	1	
**************************************					Page	of	

Sedimen	nt Cor	e Processing Log	1	2 ANCHO	DR							
Job: AOC4 Job No. 1800 No. of Sections Drive Length: Recovery: 5	Dob No. 180067-02.02 Date/Time: 7.7 108 Process (150)											
			Poor	Disturbed								
& ts &	Size % Sand Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (ft)	Sample	Summary Sketch							
	15	D-157cm: SILT W/ SABID (SM) Blackersh gray, welfself to 63 then weist/SISTH, Non-plastrz, Sand is friend free brown sand y shells @ 11-13 orange worms @ 20,25 gray clay clasts @ 30,47,71,96, 104,135 1/2" white shell frags @ 76 friend gray w/ trace multi- colored grains sand leuses @ 85-96, 10i-102, 189-112, 120-128 black oxidation striations @ 105, 132,143		SCS10A 44.2cm SCS10B 66.3cm SCS10C 88.4cm SCS10D 110.5cm SCS10E 132.6cm SCS10F 157cm								

Job: A Job No. No. of Se Orive Ler Recovery % Recov Notes: Pa	180 ection ngth: y: 2.U	Duw 067-0 15: 1 3.0 F	vamis 02.02	Date/Time: 7/20/2021 Core Logged By: S. 570040 Attempt #: /	Vibracor Fair Po	re Diver Core	=	
		94		0-31 cm: SAND (Sp) - LODSE, MOTST DARU GREY, FINE TO MEDTIM GRAFAN SOME SELT, GINDES SELTERA 31-81 cm: SELTY SAND (SM) - MED. MOTST, DARU GREY, FEAR GRAFAND SHAD (231-34: BLACK SELT LEWS (243-45: BLACK SELT LEWS (243-45: BLACK SELT LEWS GRAFANED SAMD (Sp) LEDYS END OF CORE (2) 81 cm	0ense,	53.2 cm		

Sed	ime	nt (Cor	e Processing Log		P ANCHO	OR
Job: Job No		4 Duv 0067-			lon.	OCESSED 174	,
No. of	Sectio	ns: /		Core Logged By: S. Smith	//		
				Attempt #: / Type of Core Mudmole Vibra	core	☐ Diver Core	
% Rec	overy:	76.3	7.	Diameter of Core (inches) 4"	Poor	Disturbed	
	proce	ኝ5ሮን:	\$5.	7(m= 73.8 (, Core Quality A Good Fair		Biotarboa	
Recovered Length (A)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (n) \$	Sample	Summary Sketch
F		10	20	0-70 cm: SELT WEST & SAND (ML) -		TT	- free
				BANKER SOFT, SATURATED, BUTCHES & GREY TO 35 cm		IT512	
20				THEN MED. STIFF, DARN GREY, MUTEST -	20		ter
-				3 7,23: GRANTES: 160015 (KET)	=	33,21 cm	4.4
				@ 12: F-MED GRAFINED SAMD CLAST	<u>40</u>		
<u> ५०</u>		ic.		@26-32:GRFY F-MEN SAND (Sp) LENS @59: 2.5" WOOD CHUM	_		111
l 🗀				@ 70: 42" woons From ENT	_		
<u>60</u>					<u>60</u>		T
\ E		a	ا ـ ا	5000 5100/60	Ε	-	
í E		99	5	70-85.5 cm: poony Graner SAM (SP)	- -		4.00
80				LOOSE, MOSST, DARN GATY, F-MED GRAFNED SAND.	<u>\$0</u>		
ΙĿ				END OF COME @ 85.5 am	E		
lou					100		
ΙF							
ΙF							
					-		
-					E		
					F		
					F		
						-	863
ΙF							
) =					E		
1 🖯					L		

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR
Job:		4 Duv		h Station ID: SC 513	¥	G QEA S	\approx
Job No		0067-	02.02		7	process 1400	
No. of S			3	Core Logged By: N. Bacher			
Drive L			2.2	Attempt #: \ Type of Core Mudmole Vibra	core	☐ Diver Core	
Recove				Diameter of Core (inches) 4			
				Core Quality Good Fair	Poor	Disturbed	
					Casa		
- CW	Gravel	Sand	Fines	Classification and Remarks	- 2M	Φ	ا کے ا
th (ë	ss %	Fi	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	gth	Sample	retc
Recovered Length	% ə:	Size 9	Size 9	with Additional Constituents, Sheen, Odor)	Recovered Length	Sa	Summary Sketch
 ~ _	Size	Ś	👸		L -		
				0-102 cm. SILT (ML) dark gray, non-pl.			511
-		5	15	0-102 cm. SILT (ML) dark gray, Non-pl. wet, soft to 47 then most,	- 1		-Marie
				si seft to 162.	F_	5C513A	[]
30				@8. small reddor worm	<u>_3</u> c	(White
				black organiz debris (turgo, leaves)		49.7cm	1 1
-				@ 18, 33,51	<u> </u>	91712	-wun
60					<u>-</u> @	SU513R	, ,
				@ 82. 2" sand pocket, med for multi- colored grams, trace shells.	-		111
<u> </u>				gray	L 4	746cm	0
		١.,		84-102: interbeds of othe gray sity sand and, 1/4" thirde	90	SC513 C	1
90		10	90	silty sand at, 19 forthe	1	99.578CM	
\ E			1		F :	A	
1 ⊢				102-228 cm POORLY GRADED SAND WISILT	-	SC513D	15 4.
120		4	4	(SP-SM) gray, moist, med dense,	720	124.4 CM	` ` \
=				trace pyrite flecs	-		3.
				@135-137 \$ 190-193. 2" sound pechet,	F	Sc513€	g 1
150		2		med for, units word grams,	750	149.3 CM	11/11
				gray	F	Comme	1 ./.
				a 120 jey. army clay louse, mod.	⊢	SC5134	()
				@ 130,184. gray clay louse, mod. plast, black motting.	F80	1742 CM	- 1.
180				, ,	- α	SC5136	,'
				@ 218-221 langer black org.		191.1cm	
				dalas (turings bromen preces,	-	CAENZIN	1
20				@ 218-221 brownish black org. debris (twigs, brouch pieces, leaves)	210	SC513[1	6
-				• • • •		2240cm	* MANUEL
						SCSI3I	-
240		1		228-308cm. SILT W/ SAND (ML)	240	246.9	74-
20		15	85	army most med soft	F .		11
_				gray, moist, mod shift non-plast	-	5C513J	4
				Mack Gil during 3 111	777~	0650	1.1.
270				22/1 253 760.266, 291, 301	2700	273.8	111
1) E				202 Link word trainent lens	F	0000	
1 F				@ 274-298 Mareasing sand to 25%	-	SCSBK	hine
					300		-04
300)			@ 298,303 few decomposing	Page	of	10/11
30	8			wood Pragments	308		11 1

END OF CORE @ 308

Sed	ime	nt (Cor	e Processing Log		ANCHO	R
Job:		4 Duw			×	J UEA Z	
Job No No. of S		0067-	02.02 3	Date/Time: 7/1/21 collect 1305 Core Logged By: (1. Bacher)	p	10LESS 1545	
Drive L			2.0	Attempt #:			
Recove	ery:	10.	9'0		core	☐ Diver Core	
% Reco		90	1.89	Diameter of Core (inches) 4 Core Quality Good Fair	Poor	Disturbed	-
	10 b	roces	55.	0.4' = 86.3% Core Quality ☑ Good ☐ Fair ☐	[-
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
130		5	95	0-157 cm: SILT (ML), dark gray, wel/soft to 78, then moist/s1. soft non- large shell on surface, worm @8. s1. H2S odor to C5. olive silty sand lenses @ 22,23,88-90	- - - <u>3</u> 0	SC 514A	
760				gray sity day lens @ 68, 68, mod.pl. 3" pieces of word e 43 295 (branches	<u></u>	52 cm 505 14B 78.0 cm 505 14C	11
				123-140: gray sand lenses, for-med sand, pyrite like flecs, slight multicoined grains genesent. 6-7 lenses total.	190 	104cm _ 50514D	1
150			124	143-157: scattered wood fragments up to 1/2" trace shell frays.	<u>-12</u> 2	130 cm 50514E 156 cm	101
 발 	4.	90	10	157-241 cm: POORLY GRADED SAND WISILT (5P-SM) gray, most, mod dense, trace pyrite flecs. Multicolored gram lenses @ 158-162, 189-191, 208-210	- 1430 - 1430	SCS14F : 1BOCM : 5CS14G :	
Z10 -				black sit pochets @ 182,214	210 - - -	2060M 50514H 2320M	
<u>240</u>		15	85	241-317 cm: SILT W/ SAND (ML) gray, moist, mod. stiff, non-plastiz.	740 - - - - - -	50514I 2580M 50514J	[:
2±0 - 300		20	80	black exidation strictions @ 243, 247,252,254,279,252 1/4" louse of wood frags and shells @ 262 increasing sand content to 20% below	E	284CM =	14
L Jour				284	Page	of	
317	1			END OF CORE @ 317.	317	317 cm	

Job: AOC Job No. 18 No. of Section Drive Length Recovery: 1 % Recovery	04 Duv 30067- ons: 1 1: 3.51	vamis 02.02 4 = 5 3 1/,	106.7 cm V SBAT	Station ID: 5C515 Date/Time: 7/20/2021 060 Core Logged By: 5. Smeeth Attempt #: / Type of Core		Diver Core	~	
Recovered CLength (N) S	Size % Sand	Size % Fines	(Density, Moisture with A	Classification and Remarks re, Color, Minor Constituent, MAJOR Constituen Additional Constituents, Sheen, Odor)	Recovered Length (*) \$	Sample	Summary Sketch	
	5	95	10 13 cm GRE1, FAR Q1: Q8,14,18 Q26,42, Q39,52, Q55: PE	THEN MED. STEFF, MOIST, BULLATED WE GRAFMED SAMO. GETATA - WORLDS (47,54,61,77: ORGANICS - PROOTS / PRETI 64: SITEU FRAGMENTS UP TO 1" TACOCK SHEEN FLORAFITE DARK GREY F- ONED GRAFMED SAMO (F) "OARK GREY F- AND GRAFMED SAMO (F) "OARK GREY F- AND GRAFMED SAMO (F) OF CONE @ 101.5 CM1	20 	57.1cm		57

Page I of I

Sediment Core Processing Log ANCHOR OEA										
Job:	AOC-				Station ID: 50516 Date/Time: 7/20/2021 0909	100	J. QEA -			
Job No.		0067- ns: /	02.02		Core Logged By: S. STREHL	1				
				106.7 cm	Attempt #: / Type of Core Mudmole 🔀 Vib	racore	☐ Diver Core			
Recove % Reco				on Boat	Type of Core Mudmole	10010				
				= 84.3.1,	Core Quality	☐ Poor	Disturbed			
Recovered Length (M)	Size % Gravel	Size % Sand	Size % Fines	with .	Classification and Remarks re, Color, Minor Constituent, MAJOR Constitue Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch		
- - - 20		5	95	TO 19 am RIACUTS	: SILT (ML) - SOFT, SATUMEN THEN MED. STIFF, MOIST, H GREY, FIME GRAINED SAND.	20	50516	top ,		
_ _ _ च्		9)		e 9',	30:BIOTA - OR ANGE WORM 22, 35, 62, 73: ORGANICS - 120073	_ _ <u>५०</u>	-	- Su	Stille	
				- '	: WOUN FRAGMENTS	-	50,6 cm	400		
					57,68: SHELL FRAGMENTS	, F		0		
<u>60</u>				(DLANG GREY FAME GRAZIUM SAMPLUM	14 60		fam.		
) E I				@ 75-8	12: 90%, WOOD DEBASS - FRAGMENTS/			Foi		
80				5120	SHELL FRAGENESTS. SEGAT HIST-1	100 80			MOUN	
				@ 82-7	65: DARN GNY FENT TO MENTING GRAFING SAND (SP) LENS	_E	Y	Thi	_	
wo	01			EAN	OF CONE @ 90 CM	100				
F)	
					3					
						E				
							1			
F										
									i	
						E				
ΙÞ						F				
1 E						F				
	1	l	1	I		_	1		1	

HZS: Hypnolige SURFAME

Page____ of ____

Sediment Core Processing Log									
Job:		4 Duv		h Station ID: SC 517	¥	G QEA			
Job No	. 18	0067-		Date/Time: 7/1/21 collect 1357	6 p	VOCC55 1718			
No. of		_	2.	Core Logged By! N. Bacher					
Drive L		1 _	11.5		core	☐ Diver Core			
Recove		45	3.5		COIC	Diver core			
% Reco			3.7						
	10 1				- 1				
Recovered Length (對区	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length 康 仑	Sample	Summary Sketch		
30		5	95	0-176 cm: SILT (ML), wet/soft to 78, then moist/si.soft to 176. si. HZS to 48 black organiz debris (turz, leques) @ 23,35	_	SCS17A 50.1EM	June June		
GO				gray silty clay @ 75-76, 88-89,	<u>6</u> 0	SC517B 15.20m			
90 -				4" pilong spirator up hamacles altached @ 64.	90	SC517C			
120				piece of red bake & 2" piece of branch @ 116	120	SC 517D 1254cm	21		
_ _ 					_ 	SC517E 150.5M			
1 1 1					_ _ 	SC517F	Halsy.		
 - -		90	10	WITH SILT (SP-SM) gray, moist, mod. donse, sand is		SC517G-	-RA		
<u>Z10</u>	81			fund. thin black organiz debis (leaves, turgs @ 180,183,186,212,216,	<u> 21</u> 0 _ _ 	SC517 H	W. W.		
_ 				two 1/2 branch pieces @ 202	<u>240</u>	SC517 I	-(-1		
270		20	80	259-286cm: SILT WITH 9AND (ML) Olive gray, moBt, mod Stiff Non-plastic sand is frue.	<u>z</u> z	SC517K	14		
				275-276 black organic debris/ pochet (tuigs leave frags)	700	285cm_	117		
300	,			END OF COREC 286 CM	Page	eof			

Sed	Sediment Core Processing Log									
Job:	AOC	4 Duv	wamis	h Station ID: TT, 518	×	UEA ZZ				
Job No		0067-	02.02		05	1220 pa	Less			
No. of S Drive L			\ u	Core Logged By: N. Backer Attempt #: \						
Recove			_		core	☐ Diver Core				
% Reco	overy:	9897	to or	Diameter of Core (inches) 4						
Notes:	TO	ovoce	55	89.9 contagy, Core Quality A Good Fair	Poor	☐ Disturbed				
CM	<u>o</u>	В	Ø	• • •	im		_			
Recovered Length	Gravel	Sand	Fines	Classification and Remarks	Recovered Length (<u> </u>	Summary Sketch			
ove ngth	%	8	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	lg co	Sample	Ske			
Rec	Size (Size	Size	with Additional Constituents, Sheen, Odor)	[윤 괴	U)	ق ت			
	0)		لتا	and cath	-		147 (
			1	0-66 cm. SILT (M) dank gruy, wet, soft Non-plashe. sand is hi-med thin roots 0-5 cm. Ri-med. sand pockets, fu-med, trace multirestired grams @ 36,48,50,56,59,63	I		477			
F		10	90	Non-Plashz. sand is m-man	<u>-</u>		11			
		, ,		thin roots 0-5cm	10		,			
				a landaba Gurand	-		11			
				moved. Sand porting arms	I	-1				
20				Mace Man 50 57 59 63	-2e		i l			
=				@ 36, 18, 30, 30, 31, 2		17518	11			
					-		0			
-										
30					30		11			
-					LΙ		11			
					-		i i l			
40					40		1//			
					F	44.1cm				
-					t I		100			
					[w		3			
<u></u> 公				*	<u> </u>		1 7			
					F		0			
-					\vdash \mid					
<u> </u>					60					
-							0			
					F		1 1			
70				66-89: POURLY GRADED SAND (SP) brownish gray worst, med deuse sund is hi-med. Trace pyrite	70		06.			
		115	5	66-89 PUBLY GRADED SAIND OFF			2 62			
-		45	リカト	Oromish gray moist, wed .	- 1		0 e ;			
<u> </u>				Sund is mand. The 17.11-	Lan	Ж	Time			
30				flecs, 2.1 o 200 co	<u>80</u>		, , «			
				gray clayey silt lens @ 78-80			11			
-				9 (' '	- 1		· · /,			
90			/		90		", "			
-				END OF CORE e 89	- 1					
4	h = 2	1 7	1 /		Lias					

Sed	Sediment Core Processing Log										
Job:		4 Duw		60610	X	J QEA SE					
Job No		0067-		Date/Time: 71912 10	17	process 11	UU				
No. of S	Sectio	ns:	2	Core Logged By: N. Backet							
Drive L			0 F+			Divor Core					
Recove				Type of Core Mudmole Vibra	core	☐ Diver Core					
% Rec	overy:	75.	64	Diameter of Core (inches)	Poor	Disturbed					
Notes:	lo pro	DCC 55	No	5.3 日 = 75.5 % Core Quality 図 Good □ Fair □							
Recovered Length (製 宝	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (本文	Sample	Summary Sketch				
20		5	95	0-16/cm: SILT (ML) blade, wet/soft to 23 then worst/sistiff, non-plastiz, sand fa. v.fn. few reeds/vorts @ 8 2 13	- - -20 -	50519A	3-1-12				
70				trace shell frags @ 24,32 faint gray clay clasts @ 36,40,50,62	_นู∪ _	45.3cm	0				
_ <u>~</u>				1/4' avange word churches e 46,102		6051913					
- - - - - - - - - - - - - - - -				gray fu-med sand pockets of trace multicolored grains @ 34,48,79		50579C	0				
				small 1/3" sheen florets (metalliz)		90.7cm	* * *				
				@ 88,94,99,115,120		50519D 113.4cm	AA				
<u>120</u>					<u>12</u> 0	50579E	*				
- 140				one 1.5° claim & 146	- 140	136.1cm					
				Cole to Colonia E Tra	_ _ 	60519F 161cm					
				ENO OF COREC 161 cm	150						

Sedi	Sediment Core Processing Log									
Job:		4 Duv			¥	GEA SE				
Job No.		0067-			DB	rocess 0945	>			
No. of Sorive Le			10.0							
Recove				un boat Type of Core Mudmole Vibra	core	☐ Diver Core				
% Reco	very:	84	10 0	n boat Diameter of Core (inches) 4"						
Notes:	Topo	してとらら	.8.	2' vse 84% Core Quality Good Fair	Poor	Disturbed				
CM B.Z.	Gravel	Sand	Fines	Classification and Remarks	Led Deg	<u>u</u>	h A			
Recovered Length	% Gr	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent	Recovered Length	Sample	Summary Sketch			
Red Ler	Size	Size	Size	with Additional Constituents, Sheen, Odor)	Le Re	o o	ŭ °			
F				0-132: SILT (NV) down army wellsoft to			RII			
				0-132: SILT (ML) dank gray, welfsoft to 78, then most/sl soft to 132. Non-plastic.	E	CLESSA				
				Man-plastic.	-30	SLSOOA	111			
30				ovange worm @ 11		¥.	113			
F				aray clayer silt lenses C 301 "	_	50-40M				
E				alup avan sand bell leuses	-60		mu			
60				10 67 67 50000 13 101.		SC520B	20			
				z" wood dunk @ 66 trace shells @ 100,112	<u> </u>	75.6cm	177			
				trace studis @ 100,112	<u>9</u> 0	Sugar	110			
90				92-132 intersedded formed gray		SC5200	11			
') E I				sand and black sit,	- ~	100.9cm	1			
íEl				97-132 interbedded formed gray sand and black sit leuses v 1-2 cm turck	E.,	SUSSON	wide			
120				3	120	126000	Turner.			
					F	SCCORF	- M B			
		OF	علاد	132-219: POORLY GRADED SAND W/ SILT (50-SM) morst, med dense gray	E	SCSDOE	HANNEN			
150		85	15		150					
			, -	brown wood frag layer @ 146-147	`F	SCS20F	10, 20			
				spiritured wood 1" 1,5" @ 163, 202, 204	L.,	176.4cm	. a			
180				trace turns @ 208	180	505206	Á			
				2 x 3" wood splonters @ 138		2016cm	-1,,			
l El				2x 3" black silt class @ 182,191		SCSDOH	A. A.			
210				some multrioloned grains below 174.	210	219 cm	1			
						SCS20I	durke			
240		65	35	dry to morst, mod dense	240	24900				
				5 and is fore. brown bowle Foreguent layer @ 223-225/	ŧ	4110				
				brown will indicate 1	=		基			
270				2" branch pièce @ 276	270	27				
<u> </u>							The second			
1 Fl				END OF CORE @ 249cm						
500)				300					
5.0	Page of									

Sed	Sediment Core Processing Log								
Job:		4 Duw		64.521	Y	QEA S			
Job No		0067-		Date/Time: 7/2/21 Collect		the process 10	150		
No. of S	Sectio	ns:	3	Cold Logged Dj. N. Dale &	0940	A			
Drive L			.0'	Attempt #: \		Diver Core			
Recove				Type of Core Mudmole M. Vibra	core	☐ Diver Core			
% Reco	overy:	96	+10	0 (3000)	Poor	Disturbed			
Notes:	10 pr	DCE55	: 11	Core Quality 🗵 Good 📙 Fair 📙	1 001		-		
Recovered Length (堡)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch		
30	»(ち	95	0-141cm SILT (ML), dark gray, wet/soft to \$2, then worst, \$1 soft, non-plastiz gray clay lenses @ 18,42	_ _ _ _ <u>3</u> 6	SC521A	1111		
				gray sound (tr.) lenses @ 42, 62-65, 76-77 2 x 3/4' shell frags @ 38 trace shell hash @ 62-64 doubt brain wood delons (branches, barle) @ 52-84.	- <u>6</u> 0	56.1cm SCS21B 84.2cm			
1 2				1/2" Merbeds of gray for Sand and black silt 110-133 2x 3" black silt dasts @ 135 & 138	- - - - - - -	SC521C 112.3cm SCS21D 140.4cm			
년 1 1 1 1 1 1 1 1 1		3000	15	141-307cm: POORLY GRADED SAND WSICT (SP-SM) gray; moist, mod dens W/ trace pyrite fiecs black silt lenses @ 152-154, 166-168		168.5cm	The same		
 <u>।</u> । ।				brownish black wood debris layers (twigs, wood frags) @ 185, 187, 190 192, 197, 204, 208, 210, 212, 214 2" branch piece @ 178 trace 1/2" wood churles @220, 253, 257	2i0 - 2i0	196.6 cm SC521G 224.7 cm SC521H	The state of the s		
- 270 - 270		· ·	*	brown organiz material (bark, reeds, migs) layers C 226-237, 265-278 wood fragments 2-3 3"x2" gray wood fragments (@ 296-304)	- - - 270	252.80M SC521 I DRUGOM	1		
I -				16 296-304			11/10		
					300	^			
300	3				Page	e of A			
					, age				

Sed	ime	nt (Cor	e Proces	ssing Log		Α.	& ANCHO			
		4 Duw			Station ID:	SC 521	V	GEA SE			
Job: Job No		0067-			Date/Time:	20 101					
No. of			Sec		Core Logged By	r					
Drive L			fire		Attempt #:						
Recove			pa		Type of Core	☐ Mudmole ☐ V	ibracore	☐ Diver Core			
% Rec			Pot	1	Diameter of Core (inches)						
Notes:	31017.				Core Quality Good Fair Poor Disturbed						
110100.											
Recovered Length 顧 Ś	Size % Gravel	Size % Sand	Size % Fines	(Density, Mois wit	Classification and ture, Color, Minor Con h Additional Constitue	stituent, MAJOR Constitu	Rec	Sample	Summary Sketch		
320 - 320 -		75	25	bian sim [x /4" p	chest gray sit p all wood frags:	cchet3e314-316 Etwi3se331-341 Floret @ 332	- - - - - - - - - - - - -	SC521J SC521K SC521K	نسن نسن		
				î	ENO OF CURE (

Sed	ime	nt (Cor	e Processing Log	1	RANCH		
Job:	AOC			2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	700	OEA S		
Job No No. of S			02.02	Core Logged By: 3. STRAN	100	our me E 1100		
			FT = 1	bl.7 cm Attempt #: 1				
Recove	ry: 3	.0 FT	6	Type of Core Mudmole Vibra	core	☐ Diver Core		
				Diameter of Core (inches) 4" Time 86.71. Core Quality Good Fair	Poor	Disturbed		
Notes.	AMOCE	7787	- 12	Trial 1677 17 Cole Quality El Cook El an El				
Recovered Length MS	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Rec	Sample	Summary	
E		5	95	0-92.5cm: SILT (ULL) - SOFT, SATURATED, TO 24 CM THEN MED. STEFF, MOIST, DI ALMISH			04	
20				RPFY, FAME GRAFALM SAMM. (P2, 5, 30, 44, 57: OD4 AMSES - MUCTS	20		iitti	السد
				C5, 13, 29, 60: SHELL FRAGMENTS	F		102	52
				C10: FUTACE BEVALUE SHELL	Ε.			
40				614-21: OLIVE GREY FINE GRAINER SAME LENS	40		\mathbb{R}^{1}	
				C 30: 14" BLACK FINE RAFFARD SAND CHAPT	E	52.0 cm	And	
=				THE STATE (MATERIAL SAME) COMM	_		MA	
60				@ 60-64: OLFLE GREY FAVE TO MED. GRADING SAMO (Sp) LEWS	60		77	
) E				P 63,65,73: 2" WOOD CHUMMS / FRAGMENTS	F			
80				@74-78: DARIL GREY FINE TO MEDIUM GRATINES	80		1 1 1	
				(on a series (on a series)	E		111111	
ΙF			3	(879: PEACOCH SHEET FLOWLETTE	+	3	4111	-
160	u W			END OF CONE @ 92.5 cm	100			
I Fil			ŀ		-			
-								
							1 1	
-				i i				
-								
					_			
					_			
\ F								
1 E								

Page 1 of 1

Job No. 180067-02-02 No. of Sections: Date/Time: 71/20/2-02-08-33 Paccesses © 1140 Attempth: 1 The Length: 7,5 ft = 166-7 cm Recovery: 78. (1 or was Arther the Recovery: 78. (1 or	Sediment Core Processing Log								
No. of Sections: / Drive Length: 1.5 Ft = 106.7 Cm Recovery: 3.1 Ft - w/ mort Recovery: 3.1 Ft - w/ mo	DATE OF		Station ID: 50523	×	_,				
Attempt#: / Recovery: 7,1 FT = 106.7 cm Recovery: 8%. (6.71 cm & spart Notes: Plotissio: 95 cm = 89.07. Disturbed Disturbed Disturbed	SCHOOL STATE OF THE SCHOOL)2		pa	ocesses @ 1140				
Recovery: 9.1 FT BY RECOVERY: 9.1 FT BY REPART TYPE GRAFFARD CLAST 14" Recovery: 9.1 FT BY RECOVERY: 9.1 FT BY REGRAFARD CLAST 14" Recovery: 9.1 FT BY RECOVERY: 9.1 FT BY REGRAFARD CLAST 14" Recovery: 9.1 FT BY RECOVERY: 9.1 FT BY REGRAFARD CLAST 14" Recovery: 9.1 FT BY RECOVERY: 9.1 FT BY REGRAFARD CLAST 14" Type of Core		IN 7 CM							
Motes: Processor: 95 cm = 89.07. Diameter of Core (inches) 4 Core Quality Good Fair Poor Disturbed				core	☐ Diver Core				
Notes: Processor: 95 cm = 89.0 7. Core Quality & Good Fair Poor Disturbed Core Quality & Good Fair Poor Disturbed Classification and Remarks Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, Majo			Diameter of Core (inches) 4"						
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, With Additional Constituent, Sheen, Odor) To loan Then Med. STAFF, NOIST, SHTURATED TO Loan THEN MED. STAFF, NOIST, RIKUESH GRAM, FAME-GRAFMEN SHAM. Color British Sheen, Odor) To loan Then Med. STAFF, NOIST, RIKUESH GRAM, FAME-GRAFMEN SHAM. Color British Sheen Color British Sheen, Odor) To loan Then Med. STAFF, NOIST, RIKUESH GRAM, FAME-GRAFMEN SHAM. Color British Sheen Color British Sheen, Odor) To loan Then Med. STAFF, NOIST, RIKUESH Color British Sheen, Odor) To loan Then Med. STAFF, NOIST, RIKUESH Color British Sheen, Odor) To loan Then Med. STAFF, NOIST, RIKUESH Color British Sheen, Odor) To loan Then Med. STAFF, NOIST, RIKUESH Color British Sheen, Odor) To loan Then Med. Staff Sheen, Odor) To loan Then Med. Sheen, Odor) To loan Then Med. Staff Sheen, Odor) To loan Then Med. Sheen, Odor, Sheen, Odor) To loan Then Med. Sheen, Odor, Shee			Core Quality	Poor	☐ Disturbed				
TO 16 CM THEN MED. STIFF, MOIST, BILLUSH GREN, FANE-GRATHEN SAMO. (20) (20) (20) (21)	Recovered Length (N) Size % Grav Size % San Size % Fine	(Density, Moisture with Ad	, Color, Minor Constituent, MAJOR Constituent, dditional Constituents, Sheen, Odor)		Sample	Summary			
	- 5 95 - 75 - 70 - 70 - 70 - 70 - 70 - 70 - 70 - 70	0-95 cm: to 16 cm The GRAY, FA @8,28 @13:B	N MED. STEFF, MOIST, BULLISH WE-GRATHEN SAMO. 137, 50,66,78; ORLANGS - POUTS FUTA: YEUUN WAM FRACTUREM BAYALUE SHEUL OLAVE GREM FAME GRATAGEO CLAST 14"		5C523	\$ 130 F	3.4		

Page__l_of__l

Sed	Sediment Core Processing Log QEA									
Job: Job No	. 18	4 Duv			proce	S QEA				
	ength ery: [<i>t</i> overy:	4.1 5.8 92.	cm' (125.0 cm Attempt #: 1	acore	☐ Diver Core ☐ Disturbed				
Recovered Length (N)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituen with Additional Constituents, Sheen, Odor)	Recovered S Length (1)	Sample	Summary Sketch			
- - 20 -		5	95	O-112.7 CM: SILT (ML): VERY SOFT, SHTURATED TO BOM THEN MED. STIFF, MIST , BLACK ISH GREY, FG SAMS. BY: FINE SUB-RND GRAVELS	- - - - -	SC524				
<u> </u>				@ 21,29: 6PG ANTCS - PLOUTS	че _ _ <u>Б•</u>	54.0 cm				
 					- - - - -					
				ENN OF CONE @ 117.5 CM	160		111			
120 - - - - - - -					<u> 14</u> - - - -					
				;ā						

Page of ____

Sed	ime	nt (Cor	e Process	ing Log		4	& ANCHO	
Job:		4 Duv			Station ID: SC525		Y	GEA SE	
Job No		0067-			Date/Time: 7/15/2	1 1425	Proce	ssey: 1640	
No. of	Sectio	ns:	1			men '			
Drive L	ength	: 4.2		/ 128 cm	Attempt #:	F-14			
Recove		_		N BOAT	71	dmole 📝 Vibra s) 🗸 ''	core	☐ Diver Core	
% Reco					Diameter of Core (inche	-/	Poor	Disturbed	
Notes:	PROCES	<i>₹</i> €% :	124	m = 96.9%	Core Quality	ou Lian Li	1 001	Disturbed	
Recovered Length (ft) §	Size % Gravel	Size % Sand	Size % Fines	with A	Classification and Remark e, Color, Minor Constituent, M dditional Constituents, Shee	//AJOR Constituent, n, Odor)	Recovered C Length (N) S	Sample	Summary Sketch
_		5	95	0-124 cm.	SFLT (ML) : S	OFT to Ham	=		$\mathbb{N}_1 \cap \mathbb{N}_2$
l		1	'	THEN M	En. STEFF, MOTST,	BLACKISH GREY.			
				#	RATINED SAND.	,	20		10
20							20		1000
				l _ ' '	71,97: ORGANICS -	- Kouts		50525	
l -					teu fragment		-)C / CS	$\Pi\Pi\Pi$
प0	2			@20-31	DARK GREY F-MED (THATH SAMO _	40		
1						(sp)	-		مدارا
 -								581 cm	100
							7.3	9011Cm	U
60							<u></u>		, , 1
↓				:0					1 61
2 E I							-		9440
50							80		
									1
							-		11.
⊢							E		1
100							100		
<u> </u>							-		1
									11
100						5400	120		
120									111
				END	of conf @ 124 cm		_		
l -					(-		
140							140		
							F		
					49.1				
							_		
							-		
:		Ó					上		
l 🗀							F		
) -							├		
							E		

Sed	ime	nt (Cor	e Process	sing Log	Ŷ	RANCH		
Job:	AOC				Station ID: 50 526		C QEAS		
Job No		0067-	02.02		Date/Time: 7 /22 / 2021 0:3	26/	processon &	1116	
No. of S			ET =	106.7 cm	Core Logged By: S. Smoth				
				or BOAT	Type of Core Mudmole Vib	racore	☐ Diver Core		
% Reco	overy:	78.	6-1,	ON BOAT	Diameter of Core (inches) 4"	T D	☐ Disturbed		
Notes: [) Roce	₹ \$€∰:	826	m = 76.9%	Core Quality M Good Fair	Poor	Disturbed		
Recovered CLength (N) S	Size % Gravel	Size % Sand	Size	with A	Classification and Remarks e, Color, Minor Constituent, MAJOR Constitue dditional Constituents, Sheen, Odor)	Recovered Length (N)	Sample	Summary	
H		5	95		STUT (all) - SOFT, SHIRMAN			149 1	
				TO 13 cm, T	HEN MEN. STIFF, MOIST, FINE GRAFILED SAMM.	F			
20					1170: Orabuscs-Ruots	20			
=				831:54	HELL FRAMENTS W BARNACUES	E		000	
40						<u>70</u>			O.
				e47-50,	66-77: DARM GREY FAME TO LIED	-	46.1cm		
					GRAFAED SAM LEWS	E		14 m	
60					" wows CHEP	60			
				@56:1"	FINE TO COARSE APATHEN SAND	=		IIII	
) E I								lua.	
80		8				80		mail	
				Sperior	F COM (182 am				
				'		-			
Too						100			
_						-			
						F			
-									
						_			
ΙFΙ						-			
-									
		*(I				-			
F									
) E									
î -			1			1			

Sed	ime	nt (Core	e Processing Log	1	RANCHO	
Job:		4 Duw		Station ID: SC 527	X	GEA SE	
Job No.	. 18	0067-	02.02	Date/Time: 7/2/21 collect 112	15	process 123	0
No. of S	Sectio	ns:	2	Core Logged By: N Bacher		,	
Drive L		: 1	10	Attempt #: 3 Type of Core Mudmole Vibra	ooro	☐ Diver Core	
Recove			14	UN SOUL TIPE TO THE TOTAL TO THE TOTAL TOT	core	□ Diver core	
% Reco			5%	Just 85.5% Core Quality Good Fair	Poor	Disturbed	
Notes:	10 01	nue 9	3/10	ded .			
Recovered Length 健区	Size % Gravel	Size % Sand	Size	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Red	Sample	Summary Sketch
		5	95	0-117cm: SILT (ML) dank gray, wet/soft to 82, then moist, SI. Soft. 1101-plastiz. few small wood spiritors @ 27 gray clayey silt lonses @ 48,72	_ _ 	SC527 A	
<u> </u>				brown wood churches, turgs, sprintes	- -60	S1527B	1
				olive gray silty sand lenses		50527C	HALL
90		15	85	@ 90 increasing send content to 15% to 117cm. sand is	<u>90</u> -	102.7em	-
1 720				fn.	- 	_117cm	
E		95	5	(SP) MOIST, mod dense gray with race pyrite flecs, sand		50527E	11 12
— —				witrace pyrite flees, sand	- 750	142.7cm 50527F	
<u> 157</u> 0				5mdl 3x2" gray wood churches @122-125 four breun wood churches @158,170		168.40m	A .
				Sindl Fow breun wood chiles @158/170	150	505276	*** ·
180				19 gray silt clast @ 178	<u> 180</u>	184.0cm 50527H	-
- -		80	20	gray, mo 17t, mod deuse, soud is fr.	- 210	209.7cm	1
<u>2io</u>				bounwood prays, turys @ 193		50527I	+
740				blackfurgs, leaves @ 25 F	- 240	235.4cm	infun
				black oxidation striations		50527J	-
E				@ 190, 201, 211, 215, 227,	720	261.1cm	1
230				246,250, 262, 272-274	<u>27</u> 0	SC527K	1
í El				END OF CORE @ 28/cm	E	_28 cm	

Sed	Sediment Core Processing Log										
Job:	AOC	4 Duv	vamis	h	Station ID:	50528		, ×	QEA S		
Job No	. 18	0067-	02.02		Date/Time:	112121	520 /	proc	1858 1740		
No. of S					Core Logged By: S. STREIN						
					Attempt #: /		36 3 Ch		Diver Core		
					Type of Core	Mudmole (inches) 4"	X Vibra	core	☐ Diver Core		
% Reco					Diameter of Cor		air 🔲	Poor	☐ Disturbed		
Notes:	No CE	2262) ;	107	(m = 87.8%	Core Quality	[A] G000 [L]	all 🗀	1 001			
Recovered Sength (N) Sength	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture,	Classification and Color, Minor Conditional Constituer	stituent, MAJOR Co	onstituent,	Recovered S Length (N) S	Sample	Summary Sketch	
L		5	95	0-107 cm:	SILT CM	·L) - SOFT, S	ATUR ATED	-		1.1.14	
-		•	` ′			,				1777	
				10 7CM 7	חבי יינביי	STEFF, MOTS	11.0	<u> </u>	5(528	11	
20				BLACKES	H KIEY, F	FINE GRAFNEY	SANO.	20	7630		
-				@13.	35,42:084	ANTES - ROOT	3			H	
							_	-	51	my	
40								40			
46				@43	: SHELL FR	HAMENTS				000	
				, ,				- 1	52.7cm	1	
I ⊢ I								- 1			
60								60			
								_		$ 1\rangle$	
`\								- I		$\mathbb{N} \setminus \mathbb{N}$	
7 F I									18	FUI	
80								80		llin	
								- 1			
l											
										انياا	
100								10c		Ш	
-								-		[77]	
				ENS	of cont (2 107 cm		F I			
								120			
120											
								F I			
								-			
-	4.										
				*							
								-			
								 			
-:								_			
								-			
H											
							21				
								-			
<u>'</u> , -								 			
/ E											
								<u> </u>			

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	
Job:			vamis		Y	G QEA SE	
Job No No. of			02.02	Date/Time: Tight 2	100	29	
Drive L				Attempt #:			
Recove	ery: 6	.2F	t bin		core	☐ Diver Core	
				Diameter of Core (inches) 4 ⁴ = 87.1, Core Quality Good Fair	Poor	Disturbed	
NOIES.	VIDUE	i realt	B-1 F	7 2 0 711 17 Core Quanty 4 Cook Brain E			
Recovered S Length (N) S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered S Length (h) £	Sample	Summary Sketch
		(o)	90	0-186 cm : SILT WATH SAND (ML):	_		\mathbb{N}^{\prime}
				VERY SOFT, SATULATED TO SOCM, THEN MED-	Ε Ι	F- 2 2	
20				STEFF, MOEST, BLACK ISH GREY, FG SAMO.	20	SC 529/A	
				@ 28: / " SUB PAID GPAVEL			1 ,c
ΙF					-		
40				C48: Wood CHANK UP to 1	40		
-				@47,59,98,123,185: ORGANICS - REEDS,		52.3 cm	Herry
				STECKS, ROOTS UP TO 1"	-	- THE	
60					<u>60</u>	SC 5 29 B	took
[-				@ 77,94, 166: PEACOCH SITERU FLOWETTES	-	367616	
/ E I				† Laberre	F	78,4 cm	*
80					80	18110	(')
-					-	SC529C	1
					F	569210	*
100				2	wo	1011 5 (10	Hotel.
) t	-	104.5 cm	(1)
						S(5291)	
120				@ 122: SHELL FRAGMENT	120	SUPID	10
					-	130,6 cm	till
						130,00	111
140					140		1111
						SC519 E	
				@ 155-165: BLACK F-MED GRAIN SAMD LENG		156.7 cm	1, [
Two					160	170.7 [7.2.2.5
_						(1	14
=				9		SC529P	1 4
(ই)					180		1
				@ 185 : WOODS DEBRES : STECKS / SHIPPOS		186,0 cm	41
1-				END OF CONE @ 186 cm	E	-	MP 16 Y colo
				END of core of 100 care	F .		

Sed	ime	nt (Cor	e Process	ing Log		1	ANCHO		
Job:		4 Duv			Station ID: S C530	2	×	QEA S		
Job No					Date/Time: 7/22/2021	(01) D:C	14	pourson elis	0	
No. of				01.000	Core Logged By: 5.3 matr		1			
Recove	erigin	450	<u>- L</u>	21.9 cm	Type of Core Mudmole	✓ Vibra	core	☐ Diver Core		
% Rec	overy:	77.5	1,	ONS BOKT	Diameter of Core (inches) 4"					
Notes:	Pluces	sco:	94 cv	4=77.171	Core Quality	Fair 🗌	Poor	Disturbed		
cus	<u></u>		w				con			
Recovered Length (N)	Gravel	Sand	Fines		Classification and Remarks		Recovered Length	pe	Summary Sketch	
cove	%	%	%		e, Color, Minor Constituent, MAJOR C dditional Constituents, Sheen, Odor)	onstituent,	scov angt	Sample	Ske I	
Re	Size	Size	Size	With	dullional Constituents, Sheen, Odor)		% -,	o,	°	
		5	95	0-75 cm : 5	SELT (ML) - SOFT, SATURA	ATEVO.				
			`		FENE - GLATMUS SAND.	,,,,	-			
_					16 : ORGANECS - NEEDS					
20					: 1.5" Steal		20			
		95	5	25-94 cm : p	oung GRAMEN SAMM (Sp)	_				1
				MED. DENSE,	MOTST DARK GREY, FART T		पठ		ے.	
40				GOPA ENES	SAND:		420	46.3 cm	· : <u>· :</u> :	
				625 638	-38! FFAE to COARGE GRAPA	154 SAMO.	_			
60					64, 70-76: BLACK STUT L	ens	60			
<u> </u>				048	68: 2.5" WOOD CHUNKS				mani	
) - [-		-	
				e 78	: 14" BLACK STU CLASS		<u>8</u> 0		(III) (II)	
80					•		- 80		· · · · · · · ·	
							_			
					of conia 94 cm		_			
180				ه رسم	f 2014 2 140m	91	100			
							-			
_							-			
_							<u>-</u>			
							_			
-										
							_			
-										
							_			
-									i:	
							-			
1 -										

Page of

Sedi	Sediment Core Processing Log											
Job:		4 Duw			×	GEA SE						
Job No.		0067-0	02.02		- pi	10cess 1510	_					
No. of S ⊘rive Le			6.01									
Recover		8.8		Type of Core Mudmole Vibrae	core	☐ Diver Core						
% Reco	very:	889	to or	boat Diameter of Core (inches) 4"	Door	Disturbed						
Notes:	to bi	ruces	51,8	Core Quality Good Fair	Poor	☐ Disturbed						
Recovered Length (1)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (1) §	Sample	Summary Sketch					
		10	90	0-129cm: SILT (ML) dark gray, wet/soft to 64, wo 31/si soft to 129. non-plasme sound is for. Trace shells 0-5 295	_ _ _ _ <u></u> 30	52.Bcm	FIFT.					
- - - - - -				yellow worm @ 8 black org. debris (leaves/turgs)@18,2939 black ish gray clay renses @ 38,44. brown wood sprints/frags @54,68	 -@0 -	5 6531B						
90		15	85	olive gray sand lenses @61-67,50-87 increasing sand to 15%	_ ବ୍ର _	79.2 cm 50531C 102 cm	4					
1 20	*	10	100	belon ioi.	<u>T2</u> 0	60531D 128.4cm	A .					
<u> </u>		95	5	129-185cm. POORLY GRADED SAND (SP) moist, mod dense sand is fund wy trace pyrite flecs	- <u> [5</u> 0	50531E 154.8cm	***					
184 - -				braun wood Rrugs of H2S @ 130, 176	- - 180	50531F 185.5cm						
_ _ _ <u>Zi</u> u		15	85	gray to olde gray morst, med stiff, & sand is for.	- - 210	505316 211.90m	+0+					
				Fu. sand up pyote frees packet	- - - 240	SC53 H 238.3em	Tel					
<u>-</u>				black oxidatron striatrons @ 199.204, 215-218, 228-230 240, 249		50531 I 261 cm	111					
<u>2</u> 1t				END OF CORE @ 261 cm	270 - - -		EOL					

Sediment Core Processing Log										
Job:		4 Duw			*	USS 1620				
Job No No. of S		0067-	02.02 Z	Date/Time: 7/2/21 collect 1929 Core Logged By: N. Bacher	1000	cess 1620				
Drive L		10	1-0'	Attempt #:		Diver Core				
Recove		8,7		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	core	☐ Diver Core				
% Reco				Core Quality Good Fair	Poor	Disturbed				
0000000				0483514	in	l				
P Ed	Gravel	Sand	Fines	Classification and Remarks	ered 倒	<u>9</u>	nary tch			
Recovered	%	%	8	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length 倒	Sample	Summary Sketch			
Se a	Size	Size	Size	With Additional Constituents, Choon, Cash,	% \(\frac{1}{2}\)		S			
L				0-82 cm: 51LT (ML) darlegray, wet/soft to53,	-		اسا			
		10	90		=	SC532A				
30				then morst, st. soft, non-pl- sand is fin st. H25 thoughout	<u>-30</u>	Sec 02 14				
				yellow worm @ 10.	-	50,2 Cm				
				1/2" rounded grand piece @ 28	F~	DoiaCit	0 000			
60				gray fu sand leuses@45,50,73,79	60	SCS32B	e a			
l –				small brann wood churchs @ 6,66		20 23 aD	2			
				black silt clasts @ 80	E.	82.5cm	00			
90		e		82-140cm. POURLY GRADED, SAND (SP)	90	SCS32C	0			
\ E		95	5	gray, moist, mod lense, sand. is for med. Trace pyrite flecs	F		S. Sanda			
ſĿ				is for med. Trace pyrite flecs	L	107.6cm	min			
rio				brownish black twigs/bank frags @	120	CCERRO	0 0			
				lurge 2" wood piece @ 94.96, 102_	_	SC5320	6 0			
				black silt clasts @94.96, 102_	150	1400 cm	P			
120				140- 250 611 - 115 AND (M) 400 MOBE		5C532E	3111000			
		15	85	med. stiff, non-plastiz.		1651cm	-0 +5			
14				gray fu-med soud lenses uppyrite	180	SC5324	FILL E			
130				Hex @ 197, 150,162, 189, 193, 196	_	190,2cm	TAN			
				gray silty day leuses @ 155, 179	F .~		-			
210				Trace shells and brown wood frags 191,250	210	805326				
					Ε.	215:3cm	+ 0 1			
				black silt clasts 226-233		SC 532H	000			
240				1 small 1/4" pearchok sheen floret	240		13.1			
				Thereasing pyrite flexs below 238	<u>_</u> , ,	SC532 I	305			
-				END OF CORE @ 255 cm		255,0cm	FOL			
Z70		72			270					
) [
1 E										

Sed	Sediment Core Processing Log										
Job:	AOC	4 Duw	/amis	Station ID: 54 533	¥	GEA					
Job No		0067-		Date/Time: 7/2/21 collect 125 Core Logged By: N Bacher	2_	process 1345					
No. of S			1.0'	Attempt #:							
Recove	ry:	9.41	on	Type of Core Mudmole Vibra	core	☐ Diver Core					
% Reco	overy:	851	5%	Diameter of Core (inches) 4" Core Quality Good Fair	Poor	Disturbed					
Notes:	10 pr	BC (29)	: 40	S = 82 % Core Quality ☑ Good ☐ Fair ☐	1 001						
Recovered Length 働§	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered E	Sample	Summary Sketch				
- - - - - 30		10	10	Non-pl then sl-soft, surist, fur sand black things, wood frags @ 19,29,55-56	_ _ _ 	S(533A	THE THE PARTY OF T				
				gray sitty sand lenses @ 24,54,68-69	_ 	U9.2cm	-				
<u>to</u>				gray for sound poched @ 72-73 black silt clast @ 77-78	<u>-</u> <u>ω</u> υ - -	SCS33B					
90		95	5	81-139cm: POORLY GRAVED SAND (SP), gray, morst, med. drise, sand is hi-med, trace pyrice flees	100 - -	SC\$33C	10000				
120				gray sandy clay lens @ 87 brownigh black turgs, leaves @ 115	120 - -	SC533D 1391.5cm					
 SD - -		60	20	139-275cm: SAND W/SILT (SM) olive gray, moist, med dense sand is for med.	150	SC533E	mugu				
180				Fu-med sand lenses w/ pyrite fless and faint multicolored grains @ 147-148, 182-184, 174,	<u> 180</u> 	S(533F 184.7cm	12000 120000 120000 100000				
_ Zio				black oxidatran motting strictions	- <u>Z</u> io -	SC5336-	1000				
				C141, 152-153	E	SC S33++ 237,9cm	0.1				
Zijo				black small word frags/twigs @ 166, 177	<u>24</u> 0 -		611:				
				6100111	E	SCS33I	2000				
270					<u>Z10</u>	275.0 cm	90 ~				
ÌĒ				END OF CORE @ 275 cm			ECC				

Sed	Sediment Core Processing Log									
Job:	AOC	4 Duw	amisi	Station ID: SC 534	X	J QEA	_			
Job No		0067-0		Date/Time: 7/2/21 collect 160	9	process 1745	5			
No. of S	Sectio	ns:	2	Core Logged By: 1. Bacher						
Drive L	ength:	10	,O'	Attempt #: 2_		D D: 0				
Recove				beat Type of Core Mudmole Vibrae	core	☐ Diver Core				
				Diameter of Core (inches)	Poor	Disturbed				
Notes:	lo pr	NUS	5: 8	Core Quality	1 001	□ Distarbed				
Recovered Length 価点	% Gravel	% Sand	9	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length (#)	Sample	Summary Sketch			
Rec	Size (Size	Size	with Additional Constituents, Sheen, Odor)		o)	Ø °			
11112		10	90	o-79 cm: SILT (ML) dark gray, wet/soft soudin to 55, then worst/sisoft, von-pl. fn. trace roots 0-3, red wome 5.	_ _ _ <u>უ</u> ც	SC534A				
ΙE				trace shell frags & 8,27,44 black ora debots (turgs, wood frags) 29,52,60,73 gray clayer silt lens @ 50	- 1	47.8cm	11			
60				gray clayer silt lens @ 50 gray silty sound lenses @ 23,70	<u>-6</u> 0	SC534B				
						78.5cm	1			
_ <u>ব</u> ি		95	5	79-154cm. POORLY GRADED SAND (SP)	90	SC534C	0.01			
) E				gray, moist, med dense, trace pyrite fiecs, few multicolored grains	- :	102.4cm	Entirely "B"			
120				brownshylack org dels is (turgs, reeds, word @ 110,125,136	120	SC534D 1263cm	11811g			
				gray clay claste (1)	_	SCSHE	more			
750				trace shells 148-150	150 -	1540cm	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
		15	85	gray, most, wed stiff	_	CARLOS AND THE PROPERTY OF THE				
180 -				gray, mo 13t, wed offt	780	SC5346				
_				Gray clay pockets @ 163, 168, 173 Fur sand pocket up pyrite flecs@176	-210		TOT			
<u>Z10</u>				black oxidation strations @ 186,193		SC534H 225/11m				
700				sound decreases to 5% below 202	<u> 240</u>	Cocalt	1414			
				Trace brown wood churche @ 236		ay3cm_	EOC			
_ Zn				End of cove @ 243	- 270					
ĻΕ										
1 =										
IE					-					

Sed	Sediment Core Processing Log									
Job:		4 Duv		CCCDF	Y	G QEA SE				
Job No	. 18	0067-	02.02	Date/Time: 7/8/27 \34	3	process 142	5			
No. of S			2	Core Logged By: N. Backer	_	M				
Drive L			. O F							
				30.00	core	Diver Core				
% Reco	overy:	84.	5/20	50.00	Poor	Disturbed				
Notes.	10 0	10265	55.)	6日 = 30% Core Quality 区 Good □ Fair □	730		=			
Recovered Length 健養	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (重)	Sample	Summary Sketch			
	Siz	10 45	is v	6-90cm: SILT (ML) black, welfsoft to 19 they moist/si.seft, non-plastiz sand is formed few turgs @ 5 1/4" cronge wood churks @ 15,80,85 formed gray sand pockets of multi- colored grapes @ 20,45,48 foint gray clay clasts @ 38,61 black oxidation striations @ 72,82,87 few shells @ 21,63 2" branch @ 18 increasing sand content to 2076 below 77. 90-172cm. POORLY GRADED SAND (SP) sound is gray, moist, mod dense of hack silt clasts @ 94 &171 faint black wood from layers @ 104,112		SC535A 48cm SC535B 72cm SC535C 90cm SC535D 114cm SC535E 138cm SC535F 172cm				
<u>s</u>			0.	The of the contract of the con						

Job: Job No No. of S Drive L Recove % Reco	AOC- Section ength ery: 12 overy:	4 Duw 0067- ns: / :3.5 F :4 FT 77.1	/amis 02.02 1 = 1 5/		Station ID: Date/Time: Core Logged Attempt #: Type of Core	Core (inches) 4 Good	e ⊠ Vibra	core	QEA CONTROL OF CORE Diver Core Disturbed		
Recovered C Length (R) 3	Size % Gr	Size % S	Size % Fi	with A	e, Color, Minor C Additional Constit	Constituent, MAJOR tuents, Sheen, Odo	or)	Recovered Length (N)	Sample	Summary	
20		5	95	to 16 cm TH GREY, FG C4,13,	TEN MED. STY SAND.	()- SOFT, SHT G,MOTST, BU 17,80: OXLAM 4GMONTS	rents#	_ _ _ _ _ _ _ _	Sc536	100	\$7.3
								- 	50.3cm	1	
				EM	of coné E	89.5 cm					

Fa: FINE GANTNEY

Page____of ___

				e Process	•	51527	V	QEA SE	OR
Job: Job No		4 Duv 0067-			Station ID: Date/Time:	JISI21 140	9 /	PROCESSED: 1520	
No. of					Core Logged E		*//	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Drive L					Attempt #: 2	· · · · · · · · · · · · · · · · · · ·			
				U BOAT	Type of Core	☐ Mudmole ☑ Vibra	core	☐ Diver Core	
				ON BOAT	Core Quality	ore (inches) <i>y ''</i>	Poor	Disturbed	
Notes:	200 CES	(Sey):	5.0FT	= 71.4 1/	Core Quality	Ø GOOD □T all □	1 001	Distarbed	
Recovered Sength (N) 3	Size % Gravel	Size % Sand	Size % Fines	with A	Additional Constitu	nstituent, MAJOR Constituent ents, Sheen, Odor)	Recovered Secondary	Sample	Summary Sketch
20		10	90	SATURATE	9, BLACKISH @8,15: 08And D14: SHEW f D16,18,23,34:	: ORGANICS - ROUTS	- - - - -	SC537A	and top a
40				@	35-43 : wood 6	DEBRIS - STECKS /SHREWS UP TO 2.5"	- 30	42.8 cm	
Е		95	5	43-151 CM	: Poorey GAAN	DED SAND (SP):		S(537B	0
<u>(eo</u>				MED. GR	, MOTST, DAR AINEU SAN	e grey, Fine to	<u>Fo</u>	64,2 cm	. ó. · ·
) E I					1,60,66,75,	120,133: BLACK	F	SC537C	1 6
80				Q77;	1.5" STEEM	•	ro_	85,6cm	
Ė				C 88-	90: BUCU S	SILT LENS	-	SC537 D	गगा
100				-			100	107.0 cm	
Ε							F	S(537E	
120							120	128,4cm	. 0
							E	SC 537F	0
40							140	151.0 cm	
				743	of cont	@ 151 cm	Ē	10120	
60							160		
							F	l l	
							-		
1250							ISO		
l [14						-		
/ -							E		

Sed	ime	nt (Cor	re Processing Log	1	RANCHO	OR.
Job:		4 Duv		sh Station ID: S(538	<u> </u>	GEA S	
Job No	. 18	0067-	02.02	Date/Time: 7/15/21 4501/62	1	processen 1745	5
No. of S				Core Logged By! S. STREYL	1		
Drive L				Attempt #: 3 Type of Core Mudmole Vibra	COLE	☐ Diver Core	
				Type of Core Mudmole Vibra Diameter of Core (inches) 4"	COIC	Diver core	
				== 85.77, Core Quality Good Fair	Poor	Disturbed	
		7.7			cus		
Recovered Length (N)	Gravel	Sand	Fines	Olera ifi and and Demonto	72	o)	کے ر
e e e	ี้ ซื้	% S	% Fii	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	gth (Sample	etcl
eng e	% ә	% e2		with Additional Constituents, Sheen, Odor)	Recovera Length	Sa	Summary Sketch
ا تح تا	Size	Size	Size		E _		
		95	5	0-182 cm: poorly GRADED SAND (SP)	₩		Starte S
		17		MED. DENSE, MOIST, DANK GAET, FINE TO	E		MILLO
				MED. DEASC, MOIST, BARRE GIVE, PARE TO	70	SC538/A	-11.04
20				MED. GRATIVED SAND.		30538/4	
				@2 cm: 2.5" woon CHUNK	_		4
-				@13-15,87-91,113-116,67,117-125,			*.
40				133-136: BLACK SILT LENS	40		
				@16,62,139,73: Woon FAAG MENT UP TO 1"	F	51.4 cm	District
				@ 5, 15, 48, 146, 174: DRGANTCS - POUTS	60	0.51.70.10	
60						SC538B	
5 E I				@84, 106, 128, 131, 165 : GREY CLAY REP	-		1.5
				up clasts w to Yz"		77.1 cm	
80				10 1/2	80		
-						SC538C	Care
					-		umn
100					100	107.8cm	111111
					-		(D).
 						SC538D	initi'
120					150	30000	· :
150						1000	iiiiii
ΙFΙ					-	12815 cm	:00
_						0.550	mun
140		1			140	SC538E	The same
				@193: SATURATED			
						154.2 cm	
160					160		1111
					<u> </u>	SC538F	CD.
-			- 54			7.50-1	A Sacra
Tes					180	(at a	1.
120						1850 cm	* " }
) F I				END OF CODE @ 182 CM	-		

Job: Job No. No. of S Drive Le Recove	AOC4 180 Section ength: ry: 5- every:	1 Duw 0067-0 ns: 2 7.0 3 FT	77.	Core Logged By: 5. Street	/ibracore	Diver Core Disturbed	\approx	
- - - - - - -		10	90	0-23 cm: STLT WITH SAMO (ML) - SOFT, SHTURATED, BLACKITSH RIVEY, FINE REMINER SAMO, OME HOLDS - ROOTS THROUGHOUT (B3,6,11,12,23: WOOD DEBROS - SHALED S, STIE LY TO 1.5" 23-150 CM: POORLY GRADED SAMO (Sp) -		SC5391A	100年	- wood negas 50°l,
40 				MED. NEWSE, MOTST, DANK GRY, FENS TO MED. GINTHED SAND. Q27-41, 52-54, 63-83: WOOD DEBRIS CENT SHIREDS, STEERS, FRAGMENTS, CHEPS UP TO 7. APROV: 501. SCHAHT HZS GOOD Q29: SHEW FRAGMENTS Q42,87: Y44 GREY STLT LEWS Q126,131,138,147: BLACK SFLT CLASTS 16" Q128: LARGE WOOD FRAGMENT 6" Q141-143,148-150: GREY CLAY REP UP CLASTS Q149: CORRSE-GRAFMENT SAMD		42.10M 5053913 63.20M 505390 64.30m 6053910 105.40m 505392		DETARES TO 1,
				ENM of CORE @150 cm	180 	126.5cm SC539F 150cm		, , , , , , , , , , , , , , , , , , ,

Sed	me	nt (Cor	e Processing Log	1	RANCH		
Job:	AOC	4 Duw	/amis		Y	GEA S		
Job No.		0067-	02.02		58	/ processon @	140	
lo. of S			- 12	Core Logged By: S. STREHL 1.9 cm Attempt #: /				
Recove	rv: 1	7.5 cm	7 00	Type of Core Mudmole Vibra	acore	☐ Diver Core		
% Reco	very:	80%	υN	Diameter of Core (inches) 4"				
Notes:	Proce	ssevi :	94.	Som = 77.5% Core Quality R Good Fair	Poor	Disturbed		
Recovered Length (N) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Recovered Solution Length (#)	Sample	Summary Sketch	
	Size	Sizi S	5	0-27 cm: Pouncy Grader Sams (SP)- 100SE, SATEMATERO, DARK GRAY, FERE TO MED. GRAFILM SATUS. @ 20: SHEEL FRAGMANT @ 21-27: 60% wous segres: SHARDS, STENS, FRAGMANTS 27-47 cm: SICTY MIND SAND (SM)- MED. DENTE, MOFST, DARK GREY, FERE- GRAFALM SAMS. @ 30:39: ONG ANECS- POUTS @ 45: SHELL FRAGMENT 47-94.5 cm: POURLY GRADER SAND (SP)- LOOSE, MOTST, DARK GREY, FERE TO MEDERM. GRAFALD SAMS. @ 65: LOUND FRAGMENTS — 24: 42" GREY SELT CLAST EAND OF CORE @ 24.5 cm	-	46.5cm	S ON BELLEVILLE	46.5
γĒ				5 -	Ē			

Page___of ___

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR
Job:		4 Duv		17610	Y	G QEA S	
Job No		0067-	02.02		45	process 13	W
No. of			,4	Core Logged By: W. Backer Attempt #:		(M.)	
Drive L Recov		74.		Type of Core Mudmole Vibra	core	☐ Diver Core	
% Rec				Diameter of Core (inches) 4			
Notes:	To pro	1295	. 69	cm = 75.4% Core Quality 🗵 Good 🗆 Fair 🗌	Poor	☐ Disturbed	
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch
	S	20	50	0-39cm: SILT W/ SAND (ML) dorlegay wet, soft, your-plashz, sand is firmed brown stredded wood mat 2-4 crange brown weder sand pocket @ 8-10. trace shells 24-28 3x1.5" of flat as purilt looking material 15-21 39-69cm. POORLY GRADED SAND (SP) dark gray, worst, mod. durse, trace pyrite flecs gray silt clasts @ 41,44 END of core @ 69cm shoe empty (63-69cm)		1T542 	

Sed	ime	nt (Cor	e Processing Log	1	RANCHO	
Job:	AOC	4 Duv	vamis		14	GEA SE	
Job No		0067-		Date/Time: 7 [6]21 122	4	process 1845)
No. of S			2	Core Logged By: D. Bacher	_	1	
Drive L			C Ft	Attempt #: \ Type of Core \[\] Mudmole \[\Delta \] Vibra	core	☐ Diver Core	
				on Sout Diameter of Core (inches) 4"			
Notes:	To p	nces	1 12	5cm = 586% Core Quality I Good Fair	Poor	☐ Disturbed	
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length 健文	Sample	Summary Sketch
20		80	20	0-plan SILTY SAND (SM) gray, wet, med dense, sound is formed.	- - - 20	17543A 26.4cm	
140		1	a	black organiz debn3 (turgs/leaves)	_ _น _ง _	17543B 44.0cm	4
100		د 5		44-61cm SILT (ML) black, soft, moist, non-plastre, trace shell frags large (1-2") wood drundes 53-61	_ <u>6</u> 0	61.60m 61.7543C	100
- %0		95	5	GI-125cm: POORLY GRADED SAND(SP) gray, morst, mod dense sound is for-med.	- - - 50	17543D 19.6cm	
				orange gray clay class	_	96.8cm	S &
1 120				@73,80	700 - - - - -	1T543F 125cm	
					140 	1230	٥

Sedime	nt (Cor	e Processing Log	1	QEA SE	25/2/1/22
Job: AOC	4 Duw	/amis		700	, , , , , , , , , , , , , , , , , , ,	
	0067-			224	PROCETSED.	1400
No. of Sectio			Core Logged By: S. STREET			
Drive Length Recovery: 5			Attempt #: / Type of Core Mudmole Vibra	core	☐ Diver Core	
% Recovery:			O 3681			
Notes: Proces			0.0	Poor	Disturbed	
1,2,0	7.7			Cui		
Recovered Length (N) S	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered S Length (N)	Sample	Summary Sketch
	85	15	0-13 CM : STLTY SAADO (SM) : MED. DENSE,	_	IB545/A	Fig.
-			MOTST, BROWN, FINE GRAFAED SAND, SOME COARSE SAND GRAFAS, OBANGE OXIDIZED		142.11	
			COARSE SAMO GRAFAS, ORANGE OXIDIZED	5 .		· · · ·
20			STATINETY, ORGANICS: ROOTS	26	70.00	
-			(Se)		28.9cm	0,,0
	95	5	13-137 cm: poolly GRADED SAND (SP):	<u> </u>	ITS45 B	
40			DENSE, MOIST, BROWNESH GREY, F-MED	40	1139515	1, 0.
10			GPATARY.		48,200	
F			@ 13-74: ORANGE OKTOIZED STAFNAN	-		1
			@ 21-50: MORE F-CONRIG GANTHEN SAND		11545 C	
60			@ 21-50: Moles F-Colleto	60		.: :: '
↓ -			@ 46 : 141.5" AWGULAR /SUB ANG GRAVET		67,5 cm	
∤ E I			@49-54: BROWN STLT (unc) CLAST	_	IT545 D	
80			@ 87: 1/2" pourmen Gipavez	80	8615 cm	
			E 0 1 12 F00 10 10	-	04 55	,. ·
					JT 543 E	(: : :
Too			@ WO : GRADES TO LODSÉ	100	1001 0-	20 000
				-	100.1 cm	
			@ 100-125 : VO=D (CLUSED + LOGGED)		17545 F	<u> </u>
			# (w)	120		5, 10
120				1.50		
			12			1. 1
				-	137 cm	101 101
प्प०			END OF COME @ 137 CM	140		i
				-		
<u> </u>						
				TT. n		
160				160		
				_		
180				180		
						72
) -					i i	
				7.60		

Page of

Sed	ime	nt (Cor	e Process	sing Log	000		V	R ANCH OEA S		
Job:		4 Duv			Station ID: 5		1	20.100	500 @ 1245		
Job No		0067-	02.02		Date/Time:		10	ROLES	1245		
No. of				21 6644	Core Logged E	sy. 3. 3710E1	+L				
				21.9cm	Type of Core	Mudmo	le 📝 Vibra	core	☐ Diver Core		
Recove % Reco				ON SUAT	Diameter of Co		CONTROL I				
				m = 82 %	Core Quality	Y Good	☐ Fair ☐	Poor	☐ Disturbed		
	1,							CM			
Recovered Length (ft), 🕏	Size % Gravel	Size % Sand	Size % Fines	with A	Classification and e, Color, Minor Conditional Constitu	enstituent, MAJC ents, Sheen, Oc	dor)	ered Sered	Sample	Summary Sketch	
- - - 20 -	15	75	10	LOOSE, WET, I SUB ANGUL AR 15-23 CM & POOR	DAVELLY SAMD BLACKERSH GREY ISUS BOUNDED RUM GREYEN S RUMNISH GREY SONTEN, ENTE	, Fine apter up Suno (sp)- 1. Fine to	nes Stars, 00 1.5 " LOOSE, COARSE [- - - 20 -	56548	50	49. 2
130		5	95	23 - 10 0 ch: 52	(DE) - 1 (DE) , FANT G TO 75 CM , OR	NEO. STIFF, WHINN SAN	moter, m, sheu	पु० - - - -	. 49,2 cm		
80				273- 282	82: DARN GR : 1/2" WOOD F	ey Frui Gra	than samb (ens	30			
			•	*No shoa this lo	ling mater control (see sie, sample hoaling o- r (o-30 cm)	ial collections	anor (og).		u.		

Sed	ime	nt (Cor	e Processi	ng Log	1		ANCHO	JK
Job:		4 Duv			Station ID: , SC 549		X	J QEA S	z
Job No		0067-			Date/Time: 7 1 21 collec	0931	- 2	process 1100	
No. of S		ns:	3	*	Core Logged By: \ \ Bach	er			
Órive L	ength	: 13	51		Attempt #: Z	V		П в: o	
Recove					75-	√Vibraco	re	☐ Diver Core	
% Reco					Diameter of Core (inches)	ir D	oor	Disturbed	
Notes:	10 b	10605) - .	8' = 87.7%	Core Quality ⊠ Good □ Fa	п Ц г	JOI	Disturbed	
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture,	lassification and Remarks Color, Minor Constituent, MAJOR Constituent (MAJOR Constituents)	stituent, Seco	Length 🗷 🕏	Sample	Summary Sketch
30		5	95		SILT (ML) dark gray, non- wel, soft to 78, then SI soft to 230. SI HZS oder to 50 gray sifty sound lenses	- plastiz- vuo i3},_	50	SC549A	Thomas
_ <u>6</u> 0				olive C	25, 27, 61, 76-78, 50-84, 184	,106,	00	526 CM SC549B	-1 \
				black	comaniz debris (tura, lea	ives,		78.9cm	Marine.
90				(1	1s/reeds) @ 33-34, 74, 82-8 2, 155-156, 167, 169, 240-212,	214-214	<u>१</u> ०	SC549C	
E				@ 120	-137 gray clayey silt up bi mottlyng, mod plast	lack =	20	5C549D	muluib
13)					anch piece @90 st. decov	- 1	-	131.5cm	4////
_ ন্য					106 25% decomposing wo debois (biometres lipto	ord 5	50	SC549E 151.8 cm	mount
<u> </u>				11	and 1.54 lang, twigs, churches, 51-H25 ode	wood -	(2 0)	SC549F 1841 CM	1
E						=		SC5496 210.4cm	の日本
210						-	210	SC549 H	Action 1
240				230-304 cm:	POORLY GRADED SAND (7/	<u>"</u> b	227.5cm_ SC549 I	1,50
E					hulticolorel grains salls	239		253.8 cm S(549)	9.9
770					low 250 scattered gray to b	2	<u>19</u> 0	280.1cm	14/1/
(E				@ 268-	5 matroys.	—		5°C549K	1.///
				P 27	3 thm oot lum, hatron		age	of Z	

Page of Z

Sedin	nent	Cor	e Processing Log	1	RANCHO				
	OC4 Dı			Y	G QEA S				
Job No.	18006		Date/Time: 724						
No. of Se		50							
Drive Len	-		Attempt #:	/ibracara	☐ Diver Core				
Recovery		po	Type of Core Mudmole North Mudmole Diameter of Core (inches)	Vibracore	Diver Cole				
% Recove	ery:			Core Quality Good Fair Poor Disturbed					
Notes:			Core Quality 🔛 Cood 🔄 all						
Recov	Size % Gravel	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constit with Additional Constituents, Sheen, Odor)	Rec		Summary Sketch			
	90	10	304-361cm: POORLY GRADED SAND WITH SILT (SP-SM). dry mod dense, gray by multicoved grading, same primarily for built some in C310-312 decomposing tury boo pieces blackorganic debris (reeds, turigs) @ 352-335, 339-341 Olive gray clay laurinature @ 320,34 END OF CORE @ 361 cm	2	\$C549 L 332,7 cm \$C549 m 3600 cm				

Sediment Core Process	Station ID: Sc 550	~	Z ANCHO QEA S	OR	
Job: AOC4 Duwamish Job No. 180067-02.02 lo. of Sections: /	Date/Time: 7/12/21 @ 14 Core Logged By: 5. STREHL	57	PROCESSED: 13	730	
Recovery: 88.39 cm on 90AT Recovery: 77.57, cn 80M	Attempt #: 8 Type of Core Mudmole Vibrameter of Core (inches) 4 "		☐ Diver Core		
Notes: Processes: 88cm = 72.27.	Core Quality X Good Fair	Poor	Disturbed		
	Classification and Remarks e, Color, Minor Constituent, MAJOR Constituen Additional Constituents, Sheen, Odor)	Recovered C	Sample	Summary Sketch	LandV)
- 95 5 0-75 cm;	poorly Graven SAND(Sp) -	_			Delle
LOOSE, SATUR DENSE, ME	ATED TO 15CM, THEN MED. OFST, OLIVE GREY, FINE TO GRAINED SAND.	20	50550		Ŧ
- @0-=	1: 90% WOOD DEBRIS - STICKS,	E	SC556FD		400
	SHELL FRAGMENT	<u>प०</u>	43.3cm	7	399
• D I I I	I" WOOD CHUNK AND STECK	F		رايده ي	
	1.5" BLACK STLT CLAST	<u>-</u>	5C556AA		
	1" STICK	-	65,0cm	و المالية	
F 64	30: MINIMUM HIGHER FENE- HENEY SAMO CONTENT	E			
230	: APADES COARSEN (MONE	80		•	
F#WE	to MESTIM), coron CHANGE/	=		1	-13cm
E	to bark girty	/=			ريحده
100 X	of white @ 75 cm	100			
	recovered material				
F \ e 75	-88: VOID SPACE	E			
	of core@88cm/				
		F			
			30		Ω.
			1		
1 E J		E			
		-			
		F	4:		
		E			
4,F)		E			
7F		F			
UP > VIATO SOA	E AT BASE OF CORE. THE THAT				

RECOVERED MATERIAL = 75 CM

CATCHERE

Vario =13cm Page of

Sed	ime	nt (Cor	e Process	ing Log		1	RANCH	OR	
Job:		4 Duv			Station ID: SCS5		¥	QEA S		
Job No.		0067-		ss neuwayayay 1	Date/Time: 7/22/2 Core Logged By: 5, 57%		2	parcesson e 1	600	
Drive L					Attempt #: 2					
Recove	ry: 1	3.65	FT P	MUN ON BUAT		mole 🛛 Vibra	core	☐ Diver Core		
				N BOAT	Diameter of Core (inches) Core Quality Goo		Poor	Disturbed		
Notes:	IWEE	107.	112 0	4 = 91.97.	Core Quality 🖂 Ooc	A LITAII L	1 001			
Recovered Length (N)	Size % Gravel	Size % Sand	Size % Fines		Classification and Remarks e, Color, Minor Constituent, Madditional Constituents, Sheen	AJOR Constituent,	Recovered Length (#)	Sample	Summary Sketch	
		5	95		SILT (ML) - SU	•	_		113	
				l .	THEN MEN. SAFFE		5		122	
20				1	apen, Fami ant		20		617	WELLI
					has it / SHELL Fragments	Atrova Hou	=		131	
-				I	P2: BENTA- Worms		_		12	
<u>40</u>					210,32,46 : FATACT 1		40		12 17	
					10,37,49 : 00GANACS			55.1cm	147	
-				l	77-64: 70%, SHEW H				1-19	
[etc					71,74,80: BAULANNIM!		<u>00</u>		對透透	-sufu
1 E I					ricus / chinns / Fraka m				74	
7 - 1				2	" HZS- WHE ONOR	- (SCEGIF)	-	II	P	
80							30		1- 61	
		90	10	84-112 cm	: Pour y GRADEN S	500 W/8GT	†		D	
-			,	100SF MEES	: Pourly Granes So or, Blackersh Grey, For Gratino Sano.	(SP)	-		-	
מפו				mesam	CONTAIN SAMO.	NO 10	100		-	
				l _	FNIACT BEVOLVE				· ·	
$I \vdash I$					77, 102, 106: WOON	DEBACS: 1	-			
120				\ \ s	treus / cohones / Fortgun	שיוג עם דם פיו	<u>V20</u>			
-				Q 94:	2" ANGURAN GRAVEL M	RAD AMELIES				
				\		** Approved T	-			
ᄔ				Enso	of ant @ilzan					
-							_			
F				=						
-										
ι[[Н									
1				*						
							_			

425-LIKE = HYONOGEN SULFADE LALE

Page____of___

Sed	ime	nt (Core	e Processing Log	1	RANCHO)R
Job:		4 Duw		(Y	G QEA SE	
Job No.	. 180	0067-0	02.02	Date/Time: 7912T (D	28	process 113	×0
No. of S			2	Core Logged By: N Bacher	- 0.5	- 17	
Drive L				Attempt #: Type of Core Mudmole Vibra	core	☐ Diver Core	
Recove % Reco				Diameter of Core (inches) 4"	0010		
				Gre Quality Good Fair	Poor	Disturbed	
	1- 4	100 27	1		in		
Recovered Length 奥§	% Grave	% Sand	9 1	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	ered The dead	Sample	Summary Sketch
Re	Size	Size	Size	Will / Rediction of Control of Co	8 7		0,
				0-15cm WELL GRADED SAND(SW) brownish gray,			0,0,
		Cı:-	_	wet, loose, sound is the cr.	-		050
		95	5	orange worm @ 9cm	F26	CIETZA.	0001
20				15-39cm: SILT (ML) black, wet, soft, non-plastic,	-20	S(553A	1111
-		5	95	Gard is he -ined			100
)	ן פו	Front clay clast, graye 33	- 1		\\\\\i
40				Trace single shells @ 50	-40		111
				39-84cm: PEOPLY GRADED SAND(SP), gray, mast med dense, sand is two wed trace multi-colored grains	Ε,	49.7cm	_ : :
-		ar	5	trace multi-colored grains			. r '4
		95	د	black silt clasts @ 59, 63(x2), 70 (x2)			· m
60				01/32 3/11 (12/1) (3)	60	SICIZO	0.40
\ E I				3"x1" word spirater @ 76		SC553B	00
(-				•			1
80		61		2" wood clunk @ 80	50	83.5 cm	: 24
				THE AUTED ARMS MEBL.	Ė.	05-500	V/4
				84-100cm; SILIY CLAT (CL), single		SC353L	1771
τω			IW	34-100cm: SILTY CLAY (CL), gray, moist, st-stiff, mid. plasticity. gray sound pocket ell	Too	100.0cm	////
				100-172 Charles Charles of Charles of Charles	F	-20	444
				100-177cm: SILT W/ SAND (ML) grayis black		505530	4
		10	90	moist, st. shift, non-plashe	T20		++++
120				1/2" wood church @ 111, 147		1249cm	1/100000
				Hari avidation matting stratums			1 the state
		1				SCSS3E	white !
140				black organiz debn3 lenses (tungs leaves)	140		4
-				black organiz debits lenges (176)		149.8cm	-
					_		
160				gray clay lens @ 124-126 si H25 odor	T60	SC553F	
				178-160 coved through 2cm		1	
				thick piece of bark		177cm	المستنانة
750				END OF CORE @ 177 cm	130		
\ <u>-</u>				LND OF COLC HTCM			
1 E					E		
I 🖺.,					300		

Sed	ime	nt (Cor	e Processing Log	1	& ANCHO)K
Job:	AOC	4 Duw	vamis	Station ID: SC554	X	J QEA ZZ	
Job No		0067-		Date/Time: 7/9/2021 1:17	P	rucess 1255	
No. of S	Sectio	ns:	2	Core Logged By: N. Bacher	1.		
Drive L	ength		10 Ft			Diver Core	
Recove					core	☐ Diver Core	
				Diameter of Core (inches) 4" Core Quality Good Fair	Poor	Disturbed	-
Notes:	To pu	VW55	. 5.8	Ft = 83% Core Quality ☑ Good ☐ Fair ☐	F001	☐ Distarbed	
Recovered Length (数) ら	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length 國区	Sample	Summary Sketch
F	*			brownish gray, wet, loose, smud is fu-cr.			6.40
-		90	jo	110001134 3129, Wet, 10032, 3mid 15 14-21.	=		711
		, ,		7-93cm: SILT/MC) black, moist, soft,	$\lceil r \rceil$		TTT
20				7-93cm SILT (MC) black, morst, soft, non-plastrz, sound is Fu-wed.	<u> </u>	SCSSYA	Kirther
-		10	90	91 23 Net	-	2033113	(III)
I 🗀 I		, 0	0,	gray organiz debris lenses (turgs leavey			
				gray organiz debris lenses (turgs / leaves/ brinches) @ 19-21,49-52,77-80	-40		اه
40				· *		49.8cm	- /,
				trace shells @ 36,65,70	Ε.	-19.8001	diam
					=		1.1
60				fu-med aray sand pockets of marti-content	-60	50554B	
80				fu-med gray sand pockets my multi-colored grains @ 27,38,59		and the same of the	20
				4	-	74.70m	123
<u> </u>				18 ch leace @ 86-90	L.	*	()
80				gray & clay lense @ 86-90 mod. plast.	<u>_80</u>	50554C	June
ΙF				7 7 7	-	02	11111
-						93cm	THE
					TUD	e	11-11-
100				92-127	100		1,
-		7-	2-	93-177cm. SAND W/ SILT (SM) dense		505540	1.00
		75	25	blackish gray, moist, mod sousse	_		16.
770		121		blackish gray, moist, med dense	120	117.9cm	: {c}·
120				gray fu-med sand pochets @ 109,139			-1-
				1	-	50554E	6 7 4
				black oxidation mothing smatrus	-	20.10	1.17
140				@ 157, 163, 172 13 126,137, 142,147	140	142.Bcm	(E)
					_	1 DI COCINI	4 1
				trace shells @ 157,163, 172	-		
-				5" they branch @ 135	<u>_</u> ,_		TIE
TEC					160	, cour	1
-				interbedded gray hand sand	-	5C554F	700
				. It strained at the local of			完
				155-177, 5 each 21-1.5 cm Hirde.	150	177cm	出品
1.80							
				END OF CORE @ 177cm		1	
ΙF					_		
					200		

Sed	ime	nt (Cor	e Processing Log	1	RANCHO	DR
Job: Job No	AOC		vamis	5/7/7	21/	DEA ST	5W
No. of S	Sectio	ns:	2	Core Logged By: N. Bacher	x 4	, , ,	
Drive L	ength	7.0	O F+	Attempt #: Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco	overy:	92.	6%	on book Diameter of Core (inches) 4"		W	
Notes:	TO	voce	50: 6	Core Quality Good Fair	Poor	Disturbed	
Recovered Length 健多	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (數)	Sample	Summary Sketch
- - - 20 - - -		5	95	0-187cm; SILT (ML) blackersh gray with wet soft to 23 then worst sl. soft, non-plastrz few reeds turgs up 10% sand @ 0-4	- 20 - 20 - 40	2002414	555
- - - - - - - - - - -				black organiz dels 13 (tuiss/leaves) C 53, 165, 179 51. HzS oder to 70 for gray sand pochets co 72,99, 122, 159, 164, 178 Faint black oxidation	- 60 - 30	53.3cm Sc557B	0
No		;e	195	mothlary to 180.	120	106.6 SC557C	0
160 				trace shells @ 182		158.9 SC557.D 185.0cm	3.00-01-01-01-01-01-01-01-01-01-01-01-01-0
l ⊨				END OF COREC 187am	700		

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	JR
Job:		4 Duv		and the second s	×	QEA S	
Job No		0067-		Date/Time: 6/29/21 1122 collect	· 1	416 process	
No. of S			4	Core Logged By: W. Bacher			
Drive L	ength	18	25	Attempt #: \ Type of Core Mudmole Vibra	core	☐ Diver Core	
				Type of Core Mudmole Vibra Diameter of Core (inches) 4	0010	Bitol Gold	
Motes:	To ac	7/055	11.	FFF = 97.1% Core Quality Good Fair	Poor	Disturbed	
11000.	10 7	(CC 3)	. 14.				
Recovered Length (強) ら	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (19) \$	Sample	Summary Sketch
	o,	5	95	0-501 cm. SILT (MZ) grayish black, wet/soft to 48 then moist/ si-shift. Non-plastiz, sand is fn-v.fn.	- - - -30		
60				black organiz debits (turgs leaves) twood streeds @ 12,19,25,31, 79-80, 137,176	- - &o -	52558 A	
					F 1	10.70	*****
न् <u>ष</u> 					-90 - - - 120	S1558 B	
<u> </u>					- - - <u>र</u> ्धाः	1536~	Mu
<u> </u> - -			90	@ 190-219 five ~ 1 cm thick organiz debits lenses, vrange brown (turys, back, wood shreds)	- - - - - - -	SLESSEC	111
					210	208.2cm	سينبليا
2 <u>i</u> 0 _ _ _						SL558 D	
24w	j			2.5" gray clayer silt pochets @ 240,248,756	<u>24</u> 0	235.8 cm SL 558 €	
					724	263.8cm	
230				few book Fragments 3/4 e 283	<u>27</u> 0	56558F	4 4
Œ				olive gray solt clasts @ 275,320	3(1)	291 cm	1 ti
300)				The second		

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	OR (
Job:	AOC	4 Duw	/amis	Station ID: S455 8	A	G QEA SE	
Job No	. 18	0067-	02.02	Date/Time:			
No. of	Sectio	ns:	Sec				
Drive L	ength		FM3.			Diver Core	
Recove			Piny	Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco	overy:			Diameter of Core (inches)	Poor	Disturbed	
Notes:				Core Quality Good Fair	1 001	Disturbed	
Recovered Length ((Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (数 §	Sample	Summary Sketch
_					-	56558G	
						3188 cm	(0)
332				few black wood Abers @ 345	<u>33</u> 0	SC558H	55
E				tem states and	Ε	396.2 cm	"
360				dork gray for-med sand podeds w/ pyrite fiecs @ 372,413,424	<u>36</u> 0	SC558I	
				wil pyrite flees @ 3727137		373.8 cm	© (0
30					390	5C558J	1
) E					E	401.460	0
420				4	420	56558 K	
E				Few small book fragments & 449		429 cm	
450					<u>45</u> 2	56558 L	AAA
					_	- 456.6 cm	111
					-	5C558 M	(3)
480					450	484.2cm 56558 N	
					-	501 cm	1
					Ε.	565580	0,0
510		15	5	501-509 Em: PORRLY GRADED SAND (SP)	310	509 cm	-
_		. ,		sand is dark gray, dry, med densel framed w/ multire othered grains	-		
-				formed w/ mutre olived grains			
7740				dense elt clusts w/	540		
50				gray clayer silt clusts of orange roots @ 575-508			
				brange was &	E		
				END OF CORE @ 509 cm	-		
570				•			
l E					-		
1-					E		

ob:	ACC	4 Duw	/amie	h Station ID: SC 570	K	GEA 🕰	
b No.		0067-			9 P	rocess 1200	
	Section		2	Core Logged By: N. Bacher	١		
	ength:			Attempt #:			
				Type of Core Mudmole Vibrae	core	☐ Diver Core	
	overy:			Blattleter of Gore (interior)	Poor	Disturbed	
otes:	to p	ricess	. 8	Core Quality Good Fair	PUUI	Disturbed	
¥3. ₩ 60	Gravel	Sand	Fines	Classification and Remarks	ered (#) S	<u>e</u>	rary ch
Length (#	Size % G	Size % 8	Size % F	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (在)	Sample	Summary Sketch
	ιΩ	<i>o</i>	S	0-16/cm 51LT (ML) grayish black, wet,	_		111
		_	0	Soft non-dustiz			
720		5	95	trace shells and to 42cm.	<u>-2</u> c		1
				Faint gray silty clay lens @ 47-49	-	5C560A	
- 90	T			10-1120m	- -40		-1
-10				few wood fibers /spinterss @ 70	`	49.200	001
				tem wood troops 12 filteress &	-		
60					<u>- 6</u> 0	SC5760 B	
					- ~	73.824	MA
50				0	<u>-</u> &u		/\
					=	SC560C	
του				v	- - - - -	98.420	.
			6		<u> </u>		
				* v = n		56560D	
120					<u>T20</u>	123 cm	
- 140				, , , , , , , , , , , , , , , , , , ,	- 140	5C560E	
- 1				below 141 becomes mod. Shiff	_	JC 100 L	î
					El		
īω					<u> 160 </u>	161 cm	3.
) 2			161-201cm: POORLY GRADED SAND (SP)	F		5 V
-		95	5.	brownish gray, morst, med deuse sound is fig. Track shell frays	- T50	//W/I	00
- 00		*		gray sitty clay clast @ 1847188	F	56580 F	00
				2-3 3/4" rounded graves & 181			19
				trace black oxidation mothly 187-201	200	201cm	77

Sed	ime	nt (Cor	e Proces	ssing Log	1	2 ANCHO	
Job:		4 Duv			Station ID: Sc 560	Y	G QEA #	
Job No		0067-			Date/Time:			
No. of	Sectio	ns:	500	2	Core Logged By:			
Drive L	ength.		Firs	†	Attempt #:	\ Change and	Diver Core	
Recove			par	re	1,750	Vibracore	☐ Diver Core	
% Rec	overy:			J	Diameter of Core (inches) Core Quality Good Fair	☐ Poor	Disturbed	
Notes:					Core Quality		Biotarboa	
Recovered Length (質文	Size % Gravel	Size % Sand	Size % Fines	with	Classification and Remarks ture, Color, Minor Constituent, MAJOR Constituent, MAJOR Constituents, Sheen, Odor)	Rec	Sample	Summary
226	25	20	55	201-250cm	hoist, from, gray, 10% shell hoish, gravel up to 24 and rounded 201-214, other gravel rounded up to 3/4" Stud is Furned.	22 ₀	5L560G 225.6cm	10001
					gravel rounded of is fragiliary	<u> </u>	56560 H	00000
				250-2670	Firm, low-med pinstraity	31, <u>760</u>	SC580I	
					ENO OF CORE @ 267cm	250 	266.5	

Sedin	nen	it C	or	e Process	sing Log	•	& ANCHO	OR
	OC4				Station ID: 5056	V	J DEA SE	
Control Control			2.02		Date/Time: 7/22/2021 (@	10:0	prives ssore	1100
No. of Sec					Core Logged By: S. 5 ment			
Drive Leng					Attempt #: /	racore	☐ Diver Core	
Recovery:	100	100		ON BOM	Type of Core Mudmole Vib	nacore	Diver core	
Motos: 94	ery: C	ms.	99	m=81.27	Core Quality	Poor	Disturbed	
Notes. Fibe	000.			3-10	30.0 4.0	14		
g b s	ē	Size % Sand	Size % Fines	with A	Classification and Remarks e, Color, Minor Constituent, MAJOR Constitue Additional Constituents, Sheen, Odor)	Recovered S. Length (R)	Sample	Summary
-	9	15	ゔ	0-10cm:1	soonly GRADES SAND (SP):			
					PATES, GROWESH GREY, FERE	/-	*	12/17/42
20				I V	THE AFTER SHOWS , TRACE SHEELS !	1 20		90
	.	5	95					1111
-			• >		STUT (ML). MED. STEFF,			- tion
🗀					ACUSCH GARY, FINE GRAINEY SAND.	40		
<u> </u>				@11,16,	WIT: SHELLS SHELL FARAMENTS	40		100
F					1,31,44,55,86: OMANICS - 1200TS	_	48-7 om	梨1
60					2/64/85: moon testaments	60		
↓				(042:1	GREY FINE GRAFIUS SAND LOWS YYU			
<i>?</i> =				@74: 1/2	E DAME GREY EXAM TO MOSE W.	-		111
80				"	FINE ROUNDED GRAVEL 5" DAME GREY FINE TO MESTURE GRAFMEN SAM LEWS	80	, and a second	TTIN
-								
						Ę.		
160					C =	- 100		
					ENS OF CORE @ 99 cm	F		
						-		
						-		
-								
						-		
						-		
-						E		
						<u> </u>		
-						<u> </u>		
						F		
						-		
				1				
) F I						-		
1 - 1	- 1					_	_	1 1

Page l of l

Job: AOC4 Duwam Job No. 180067-02.0	2 Date/Time: 7 3 2 35	V	Z ANCHO QEA #	
No. of Sections: I Drive Length: 7.0 Recovery: 6.2 62 % Recovery: 88.6 I Notes: Processes: 5		core	☐ Diver Core ☐ Disturbed	
Recovered Length (N Size % Gravel Size % Sand Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (N) §	Sample	Summary Sketch
Zo 70 10 - 75 95	0-16 CM: PODELY GRADES SAND (SP) LOUSE, WET, DARK GREY, FG SAND ORGANIZES/THITAS @ 9,15 16-176 CM: SIFLY (ML) - SOFT TO 67	- - - - - - -	SC 562A	
<u>40</u> - - -	THEN MED. STEFF, MOEST, BLACKERH GREY, FG SAMP PARU GREY + F-MEN MULTELOLORED GARTNEY SAMS(SQ) (25-27, 43-47, 61-64, 148-15)		45.3cm	
<u>60</u> - - - 80	"BLACK ORGANIC DEBRIS LEWISS 14- 42" 234,60,65,84,44,144,164 281:3" STECK	<u>z</u> o	SC 562B	
- - C00 - - -		 160 170	SCSUZC	- ute
	@ 144 : STECK FRAGMENTS UP to 1.5"	- - <u> uo</u> -	14013 cm SC562 D	f. f
140 - - - -	EIGH: WOOD DEBRIS UP TO 1.5"	160 - 130	165.2 (m	
740	@ 176 cm	- - 700		

Sed	ime	nt (Cor	e Process	sing Log			1	RANCH		
Job:		4 Duv				50563			QEA S		
Job No		0067-	02.02	<u> </u>		9/20/2021	10:48	1-1	notessen e 13	40	
Vo. of			4-1	06.7 am	Attempt #: 2	By: S. Smeth					
				BOAT	Type of Core	■ Mudmole	✓ Vibrae	core	☐ Diver Core		
% Reco	overy:	91.4	7.	ON BORT		ore (inches) 4 "		_			
Notes:	pacce	5507:	94	cm = 88.1-1,	Core Quality	▼ Good L	Fair 🗌	Poor	Disturbed		
Recovered Length (N)	Size % Gravel	Size % Sand	Size % Fines	with A	dditional Constitu	onstituent, MAJOR (uents, Sheen, Odor)		Recovered S Length (N)	Sample	Summary	
		15	5			o samo (sp)-		-		CD.	
						en rowse, mo	•			.0.	mil
20					•	ing sam-me	SAMO	20		بمنا	64.4
				'	19: 1/2" BLACK		No.			ttj :	90.8
-					26: 024 ANT			E		ELE.	'
		5	15			L) - MEN. 5%		40	SC563A	7777	
40				motor, BO	achist Gel	4, FINE-GRAGA	to SAND.			111111	
				03	0,36,55: 1/	y" Fine to A	160			715227	
					PRATIEN SAN			- -		#1 E2	
60				@5	7-60:80%	WOOD DEBATS -	FPAGMANT.	60	64,4 cm	- 538 jil	caan
7 🗀					573	cus, sitness u	י מיז ל	_	0		/ DOG MS
۲E				@ 6	0-65: FINE	TO MEN. GAAFA	en Enrs		SC56313		/
80				C 78	-80: 60% WO	בעם צושו משום משו	AGS, STECKS	80		111 111	
							,,		90,8im	_1/// 11	
l					-0 == G=0	E@ 94cm		Ė		#	İ
Lore				81	nn of con	e Cilion		150			
								_			
								_			
ΙF								-			
-											
l											
								-			
-											
IF								=			
								E			
I F								_			
') E											
1 -											

Page_ _of __

Sed	ime	nt (Cor	e Processing Log		1	ANCHO	JK
Job:	AOC	4 Duv	vamis	h Station ID:	56 564	X	J QEA	~
Job No	. 18	0067-	02.02		6/29/21 collect 1	324	process 162	9
No. of S	Sectio		4	Core Logged	By: N. Bacher			
Drive L	ength		5.5 4		The last of the la		Diver Core	
Recove	ery: 1	5.3	ft in	book Type of Core	☐ Mudmole ☑ Vibra	core	☐ Diver Core	
	overy:	82.	か	Diameter of C	Good Fair	Poor	☐ Disturbed	
Notes:	10 6	NO CES	S . 14	SH = SON Core Quality	₩ Good □ Fall □	1 001		
Recovered Length (16)	Size % Gravel	Size % Sand	Size % Fines	Classification a (Density, Moisture, Color, Minor Co with Additional Constitu	onstituent, MAJOR Constituent,	Recovered Length (對玄	Sample	Summary Sketch
30		5	95	0-457cm. SILT (N to 53 the non-place	Sand is v. fu-fu.	_ _ <u>3</u> 0 _	5C564 A	
60				leuses @ 20-2 148-150 242-24	d w pyrote flecs 2,73-75, 123, 125, 1, 178-181, 213, 218, 15,295-299	<u>- 6</u> 0	69.5 cm	1
90 				black organic deb @ 32-33,53-58 128-134,2	1,82-83, 101-102, 54-757, 297-300	<u>-9</u> 0 - - - 	SC5764B	1
						- 1	139 cm	
- - - - - -						- - - - - -	565646	
1 1.00							187cm	111
				1/4" crange de	compos ma		5L5640	
210				word chi	uly @ 205 \$ 211	Ziv	211 cm	A A
							56564€	11.
				5,7+ dry,51.51	of below 220		235 cm	11 1
				2114 my 121. 31	1111	240	-35 204	1111
<u>240</u> _						-	SC564 F	
E				1.5" branch pi	ec es @ 246 £300		259 cm	WAAAAW
270						210	565646	[
\ F							283 cm	1111
						- - \(\sigma_v \).	SC564 H	- Winder

Page of Z

Sediment	Cor	Processing Log	1	QEA #	OR .
Job: AOC4 Du		- (c = 7 i s	×	G QEA 32	
Job No. 180067	-02.02	Date/Time:			
No. of Sections:	500				
Drive Length:	ก็หร			Diver Core	
Recovery:	pag	Type of Core Mudmole Vibrac	core	☐ Diver Core	
% Recovery:		Diameter of Core (inches) Core Quality Good Fair	Poor	☐ Disturbed	
Notes:		Core Quality	1 001	Diotal box	
Recovered Length (Size % Gravel Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (母)	Sample	Summary Sketch
1 32 1 32 1 1 1 1 1 1 1 1 1	S	few orange bortz fragments @ 340-353 interbedded I" olive gray for sand and I" black sitt leases from 383-406.		367cm SL564 I 331cm SL564 I 379cm SC564 IL 463cm SC564 M 427cm SC564 N 457cm	

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR
Job:	AOC	4 Duv	vamis	Station ID: SC 565	×	G QEA	
Job No		0067-	02.02	Date/Time: 6/30/21 0912 collected Core Logged By: N. Bacher	4 1	USD PURCESSED	
No. of S			5.15	Attempt #: \	.*		
Recove		16	-	Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco	overy:	ON	600	+ 89% Diameter of Core (inches) 41	Dana	Disturbed	
Notes:	4800	cin t	o prox	Core Quality Good Fair	Poor	☐ Disturbed	
Recovered Length (M)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (#).5	Sample	Summary Sketch
30		5	95	0-107cm: SILT (ML), wet, soft, dark gray, Non-plastic clive gray, wet, mod dense silty sand (3M) lenses 80/20 fn. sand @ 13-15, 26-27, 32-33, 53-55, 80-83	_ _ _ <u>3</u> 0 _	SC565A	inner inner inner
60=				black, organic debris (leaves, twis, leaf mass), 51. H25 odor	<u>-6</u> 0 - - - -90	65.5cm	my w
90		5	95	olive gray, wet, clayer silt lense & 95-97, mod. plast.	120	SC565B	- miles
		-		offive gray, moist, mod dense silty sand (sm) lenses solzo for sand @ 129-131, 183-185	- - - - - - - - - -	5°C565C	in the same
160				@ 108-115, 134-135, 157-158, 172-176,	<u>160</u>	183.2cm	2225
210				olive gray, moist, clayer silt leuse (mod. plust) @ 163-168cm	_ <u>2</u> i0	SC565D 209.3cm	
E				7 3/4" decomposing wood churches		SC565E 235.4cm	mulu
240		-	95	Agrous, wooney tree	<u>24</u> 0	SC565F	455
270		5	13	247-450 cm: SILT (ML), dry, Mod. Stiff, olarle gray, now-plastic olive gray, dry, mod. dense silty sand leuses, 80/20 fr. sand @ 281-283, 326-328	- <u>7.7</u> 0 - -	261.5cm SC5656- 287.6cm SC565H	
			I I	trace shells & 249	1300	(1012)	

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	
Job:		4 Duv		pro Ein	Y	G QEA SE	\approx
Job No		0067-					
No. of S	Sectio	ns:	50	Core Logged By:			
Drive L	ength	:	FIRE	Attempt #:			
Recove	ry:		DOG	Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco	overy:		1	Diameter of Core (inches)		T Did de d	
Notes:				Core Quality Good Fair	Poor	Disturbed	
Recovered Length (‡1)S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Rec		Summary Sketch
302				olive gray, morst clayer sit lense @ 271-273. med plast.	300	5C565H 3137cm	1.1
				@ 271-273, mid plast.		314.1011	la la
					- 2	SC565I	7
330				1/2" decomposing wood church. @ 277 & 323	330		11
 ~ -				@ 277 2323	_	339.8cm	· '
						SC565J	111
				to the table	360	00-000	111
360-				graniz debris black, (leaves, twigs,	200	365.9cm	mun
				regamiz debnis, black, (leaves, twigs,	_	SC565K	1
				Mareasing clay content, low plast,	- 390	392.0 cm	
310				increasing clay content, to pain	-	(05/5)	
) -			1	@ 394-440'	-	SC565L	1 1
ſĘ			ŀ .		410	418.1 cm	1 . 1
420		1.0		interbodded 0.5 cm olive gray, and. dense for sand lenses @457-469		OFFICN	11 (
			ľ	interpretated 0.5 cm lenses 0457-469		SC565M	7
				douse to sand lovises &	1,675	444.2cm	1 1 1
140 <u> </u>					- 450	5:C565N	\Rightarrow
-					450	480 cm	11
180				End of core @ 480 cm	-		
							l .
2 -					E		
					_		
I					-		l l
I F							
					-		
					_		
-							
							1 .
					=		
<u> </u>					-		
5 -				i.			H
/ E							
	l		1				1

Sed	ime	nt (Cor	e Process	sing Log		1	ANCHO		
Job:		4 Duw			Station ID: Sc566		, Y	GEA #	z	
Job No.		0067-			Date/Time: 7/22/21 0°	948 /	proc	Essen @ 1020		
No. of S					Core Logged By: 5. STRETH	/ /	<u> </u>			
Drive L	ength	: 4.5 F	T =	137.2 cm	Attempt #:	CD3		T 5: 0 ::		
Recove	ery: (31.10	сш	ON POAT	Type of Core Mudmole Diameter of Core (inches) 4 "	✓ Vibrace	ore	☐ Diver Core		
% Reco	overy:	15.6	7,	ON BOAT		Fair 🔲	Poor	Disturbed		
	nces	5en: (47 60	n = 98.4 7,	Core Quality (2) Good [1]		1 001			
Recovered Length (N) S	Size % Gravel	Size % Sand	Size % Fines	with A	Classification and Remarks e, Color, Minor Constituent, MAJOR Conditional Constituents, Sheen, Odor)	onstituent,	Recovered CLength (A)	Sample	Summary Sketch	
_		5	25	0-135cm	: STLT (ML)-SOFT,	> :	-		1111	
				SATURATES	TO 15 cm, THEN MED. STA	49F, [_			
				MOIST, DO	ARU GAEY, FAM GRAMMY	SAND.	20			
20					llo: SHEU FING WONT	ľ			111/149	
					original link disease in	Ţ	_			18
_				ey	3,54,74,87: ORGANG(5-1	Poors	- <u>प</u> ु		144 4	
<u>40</u>				C5	1: 18" DARK GREY FINE - M. GRAFINS SAND LON	en.	-		44	
				0.51			- 1		177491	
-				624	1, 62: 1.5" words Fadgment, SUFGHT H25-UFICE CHOC		60	59.0 cm	ШЦШ	
60					FORUM H25-CIRC OVER		_		1	
) E I					190,96,106,172: 1/4" BA		_		+4111	
80				art	y fine to mention gating	SAND LENS	<u>\$0</u>		M	
						ļ	_		1/1/2	
Too					49		T <u>oo</u>	79		
						1	- 1		111111 	
						t	_		11111	
						1				
120						ł	170		2.07	
						1	_		MIIII	
						1	-		$M(\Pi)$	
140				C + 0 C	Const Disterior		<u> 140</u>			-
				2000	of core @ 135 cm	[-			
-						ł				
							_			
						1				
===						t				
						[_			
						1	-			
						1				
) F I						1	_			

1728 = HYDNOREN SUFFRE-LIKE

Page _____ of _____

Sediment Cor	e Processing Log		ANCHO	- Some Circu	
Job: AOC4 Duwamis			QEA 😂		
Job No. 180067-02.02	Date/Time: 7/22/21 093	19 proces	55m@ 1015		
Io. of Sections: I	Core Logged By: S. STNEHL 21-9 cm Attempt #: 2	P. W			
Recovery: 96 cm on		bracore \Box	Diver Core		
% Recovery: 78.674	Diameter of Core (inches) 4"		22		
Notes: Processen: 93	cm = 76.3 L Core Quality Ø Good Fair	☐ Poor ☐	Disturbed		
Recovered Length (11) Size % Gravel Size % Sand Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituenthy With Additional Constituents, Sheen, Odor)	Recovered Length (水)	Sample	Summary	
95 5 95 5 95 5 95 95 95 95 95 95 95 95 9	0-26 cm: Poorly GRAVED SAMO (SP). LOOSE, SATURATED, DARK GREN, FATTE TO MEY. GRAFMEN SAMM. E 0-12 cm: 30% WOOD DEBRIS/ORAM ROOTS/REEDS, STEUS/FRAGMENTS UP TO 1" E12: 2.5" SHEUL E12-15: BLACK STA LENS C12-15: SHEW HASH LENS W/ SHEW FRAGS AM FUTUR BEVALUE SHELLS/ 26-93 cm: SILT (ML) - MED. STEFF, MOFST, DANK GREN, FFNE GRAFMEN SAMM. C42,58,76: ORLAMELS - ROUTS EMD OF CONF @ 93 cm	עב	45.Bcm	060	Wat

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	DR
Job:			vamis		M	G QEA SE	
Job No No. of S			02.02	Date/Time: 7 142 142 Core Logged By: 3. STREHV	1 %		
Drive L				Attempt #: /			
Recove	ery: (ا کا،	FT O	Type of Core Mudmole Vibra	core	☐ Diver Core	
				Diameter of Core (inches) Y '' Gre Quality Good Fair	Poor	☐ Disturbed	
Notes.	Roce	764.	0.77	1 - 11.4 12	cm		
Recovered Length (ħ) 🕏	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	ered €	Sample	Summary Sketch
		5	95	0-195 CM: SILT (ML): WERY MANTED, SAT TO	-		1
E				40, THEN MED STEFF, MOIST, BLACKISH			$\ (\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $
20				GREY. FG SAMD (+RACE).	20		V I . I I
				@ 0-6 cm : ORGHNIC BERMS: ROOTS/REEDS	-	SC568A	
				@ 6 cm : BFOTA - WORMS	F	/ 1	,
40					40		\ '\
					-		
					F	54.8 Cm	1 1
60					60		
🖹				@64.66cm: GREY CLAY (CL) CLAST	-	SC568 B	
) E							[1,1]
80					<u>চি</u> চ	82.2cm	
					-		. / / /
				@95,99,105: 1/4" wood delais, stack	F	CCHCC)
reo				Was acous,	100	SC568C	*
_		(e		@103, 114, 120, 130, 140; PEACOCK SAEEN	F	109,6 cm	*
				FLUNETTES	E	101,600	
120					120	0.00 D	*
_					F	50568 D	
		lo	20	@ 130 GRADES SANDIER (FG SAND)	E	137,0 cm	#
סגו					TYD	137,000	. *
						0 100=	1
	39				E	S1568E	[11]
وطا					<u>T60</u>	1711 14 .	1, 1
780				@ 167-169 : GREY FG SAND LEWS, DENSE		164,4 cm	111
-				@ 171-189: INTERBEDDED 14" ML/SM LENSE	<u> </u>		71111
10.				*	180	SC568 F	THE STATE OF
180					_		Hill
) -						195.0 Cm	
Zen				END OF CORE P 195 CM	260		

Sed	ime	nt (Cor	e Process	ing Log	4	& ANCHO		
Job:		4 Duw			Station ID: 50569	×	GEA SE		
Job No		0067-			Date/Time: 7/22/2021 @ 69	:10	/ PROLES SED @	0950	
No. of					Core Logged By: S: STREHL	1			
Drive L	ength	4 FT	= 1	21.9 cm	Attempt #: /				
Recove				ON BOAT	Type of Core Mudmole Vibra	acore	☐ Diver Core		
% Rec	overy:	97.5	٠١,	ON BOAT	Diameter of Core (inches) 4 "	1 Dage	Disturbed		
Notes:	Proce	s serv:	119.5	cm = 98.0%	Core Quality	Poor	Disturbed		
Recovered C Length (靴) え	Size % Gravel	Size % Sand	Size % Fines	with A	Classification and Remarks e, Color, Minor Constituent, MAJOR Constituent dditional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch	
		S 5	95	# 29cm	THEN MED. STEP, MOTST, MUSSH GRANDO SAND, 58: CALANICS - PLOTS		s B. B cm	222	
1 E									

Se	dime	ent (Cor	e Proces	sing Log	4	RANCH	
Job:		24 Duv			Station ID: SC570	Y	QEA S	
Job N		30067-			Date/Time: 4/19/2021 13	550/01	WESSM @ 1819	
	f Section				Core Logged By: 9.5mate			
				115.8 cm	Attempt #: /	\ Pl	☐ Diver Core	
	very: [EN BOAT	1,000.00.00.00	Vibracore	Diver Core	
% Re	covery	86.9	57.	ON BOAT	Diameter of Core (inches) 4 " Core Quality Good Fair	Poor	☐ Disturbed	
Notes	phote	5580 :	19cm	1= 85.57,	Core Quality	<u></u>		
Recovered Clenath (N) \$	Size % Gravel	Size % Sand	Size % Fines	with .	Classification and Remarks re, Color, Minor Constituent, MAJOR Consti Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch
24	2	95	5	LOOSE, SATU	POURLY GRADEN SAM (SP) MATES, BLACUESH GREY, FERE ! GRAFINEN SAMD. SILT (OU) - MED. STEFF,	70	SE570	
	2			Morst, Bu	LCUSSY GREY, FINE GARRIED S 60: GAPT FFINE-GARRIED SAMS 3" STICU		51.3EM	
	Q					<u>60</u>	,	
9	2			£83:	SCACU POOT MAT 10"	30		facility
16	ام			SA	n of confequen	<u>(60</u>		,,,,
	-						=	
	-							
	-				*			
	-			14		1		

Sedi	me	nt (Cor	e Processing Log	1	R ANCHO	
			vamis		V	G QEA SE	
Job No. No. of S			02.02	Date/Time: 7 14 2 344 Core Logged By: 6.578EH	a _	14:00	
Drive Le				Attempt #: 2			
Recove		5.9	FT	Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco				Diameter of Core (inches) y Core Quality Good Fair	Poor	Disturbed	
Notes:	PR OCE	35 <i>e</i> v	:5.8	Fr = 86.6 (Core Quality \ Good \ Fair \	1 001		=
Recovered Length (A) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered C Length (A)	Sample	Summary Sketch
L		80	20	0-12 cm : STUTY SAND (SM) : NERY LOOSE,	-		用完
				SATURATED, BLACKISH GAEY, FANE-GRAFAED SAND.	F		. 0
70		95	5	12-36 cm: poorly GRAVED SAND (Sp); bose,	70	S(571A	6
		77		MOXST, BROWN , F-CORRSE GRATNED SAM		505/11/	- 0
-				"BEACH SAND" PERSON			
40				(-) Bu Land 7	40		1500
420		85	15	36-144 cm : STLTY SANO (SM): \$ LOOSE,		F	-
				SATURATED, BLACK FS4 BROWN, FG SAND,		52.0 cm	34.17
				WOOD DEBRIS: STECKS, SHEEDS THROUGHOUT	<u> </u>		
60				- WOOD CHLAUK/STECKS UP TO 3"@39,43,	60	SC571 B	4-1
5 E I				88,130			11 6
í El					<u>-</u>	78,0cm	
80				a = 8	80		(
					F	SC571C	1
					E		11/4
790					100	ioy cn.	الحنا
_					E		7
				⊕ a	-	005-10	国社
120				*	170	5(571)	Varia
					-		10
							1
<u>140</u>					WO	lyla c.	7
				6 (1)	-	144,0cm	The same
-		90	10	144-177 cm: SAMO (Sp): MED-STOPF, MODEST,		SC571 E	.0
				BLACKISH BROWN, FINE-GRAFATO SAMO.	160	SC8 11 2	
مطل				@150: SUB-PAM GRAVEL UP to 1/2"			
				@175: 1/2" WOOD CHUNK			
- 					180	177,0cm	-
180					100		
) F I					-		
1 - 1					E	1	

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	JK
Job:	AOC	4 Duw	vamis	h Station ID: 6C57Z	Y	G QEA 22	
Job No		0067-0		Date/Time: 6/30/21 collect 1345	5 [0/0crss 1510	
lo. of	Sectio	ns:	3	Core Logged By: 'N. Bacher			
rive L				an book Attempt #:		[] D: Oama	
Recove				Type of Core Mudmole .Vibra	core	☐ Diver Core	
				On Grat Diameter of Core (inches) 4" Core Quality Good Fair	Poor	Disturbed	
Notes:	To pr	9 C 255	<u> </u>	Core Quality Good Fair	1 001	Disturbed	
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length 機 き	Sample	Summary Sketch
- - - - - - -		15	85	0-40: SILTW/SAND (ML), wet, soft, date gray, NON-plastic, Si. Hzs-like oder trace shells @ 13 black organic delon3 (twigs, leaves) @ 15 and 36	_ _ 	SC572A 39.4cm	ال
 - -		75	25	40-257: SILTY SAND (SM), moist, mod. loose, darle gray, trace pyrite-like flecs	<u>-6</u> 0	SC572B	0 0
				black organiz debris (twigs, leaves) @ 74-75, 115 gray clayey silt lens @ 120 decomposing wood climbs (1/2-3/4") @ 148,158, 165, 188, 255-256	- (9) - - - - -	87.8 cm SC 572C 112 cm	
				255-256 decomposed 2" branch @ 230		SC572D 136.2-m SC572E	0 (0)
<u>150</u>				trace shells @ 137-189	<u>\5</u> 0	160.4cm	6 (
- 130					180	SC572 F 184.6 cm	0 6
					Ξ	SC572G	000
210				×	210	208.8 cm	ا ر ی
ΙĒ					=	SC572H	000
- 240					<u>24</u> 2	233cm SC572I	00
					=	2572 on	· Mi
_ 270		20	80	257-343: SILT W/SAND (ML), dry, mod. Stiff, darle gray, non-plastiz	270	SC 572J SC 28160 2815cm	
?E				5th th, dave gray, non-plastic		5C572K	

Sed	ime	nt (Cor	e Processing Log		ANCHO	
Job:		4 Duw		0.500	V,	QEA #	\simeq
Job No		0067-					
No. of			5.				
Drive L			- 54	Attempt #:			
Recove			0.52	qe Type of Core Mudmole Vibraco	re 🗌	Diver Core	
% Reco				Diameter of Core (inches)			
Notes:				Core Quality Good Fair Po	oor 🗌	Disturbed	
Recovered Length 爾多	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Length (#)	Sample Sc572-K	Summary Sketch
<u>3</u> au				gray; sty sand, w/ pyrite-flecs	300 6	305.6cm	\$0.000
330 - -				@ 295-300, 310-314	530	393an	
	8			End of core @ 343 cm			

Sedime	ent (Cor	e Process	sing Log	THE PARTY OF THE P	4	RANCHO	
Job: AOC	24 Duv	vamis	h	Station ID: 50	2573	×	C QEA SE	\approx
	30067-				+119/2021 14.0	5/1	nocessene 1900	7
No. of Section	ons: /			Core Logged E	By: S. STREHT	1 1		
Drive Length	1: 4.01	FT =	121.9 cm	Attempt #: /				
Recovery: [[2.8	cm	ON BOAT	Type of Core		bracore	☐ Diver Core	
% Recovery				Diameter of Co	The state of the s	E Dear	Disturbed	
Notes: Proces	SEY) .	111.5	cm = 91.5%	Core Quality	⊠ Good	☐ Poor	Disturbed	
Recovered Length (#\S	Size % Sand	Size % Fines	with A	Additional Constitue	nstituent, MAJOR Constitue ents, Sheen, Odor)	Rec	Sample	Summary
 -	5	95			-) - SOFT, SATLARTED	-		term
_	′		Th 20cm	THEN MED.	STOFF, MEIST,			ran
			PIACUTS	H GAEY, FER	E GRASNED SAM.	20		Him
20				,20: 004 ANECS		20	SC573	1'14
			,		O CRASNED (SP) SAND LET	σE		1. 4.
			_			-		1 1 1
40			_		iphonen samo vens	40		111
🚉			C64:	YELL BLACK ROE	T MAT (ORGANSES)			11/
 -			@ 65-6	7: GAH FENE	GARAGED SAMP LENS	-	54.84 cm	ll i
						F		111 11
<u> </u>						00		Luban
!			076-2	R' BLACK WOOD	DEBRES - ROOTS / SHOW	705/		9. 4. 19.
) E I				• • • • • • • • • • • • • • • • • • • •	FARGMENTS) [E		- LAND
E0						<u>2</u> 20		
<u> 50</u>						2112		111 11
						-		1: 11
-						-		
100			099-111	s: GREY FAME	GENERALY SAM LENS	100		
			@ lo2:	1" Stock		-		-
-						-		. ces
				(2 111 = 011			
120			ENM	of ani C	111.9 44	120		
 - 								
-						-		
<u> </u>								
						-		
-						-		
-								
5 F L								
	1							
	1	t	I		3	_	L	1

ime	nt (Cor	e Process	sing Log	1		- 2	
					Vic.			
					0/	processen: 120	10	
Sectio	ns: l		(C)	Core Logged By: S. Smett	,			
ength:	4.5 F	4=	137.2 cm	Attempt #: /				
ery: 11	7.3	[M	ON BUAT	7,75	core	☐ Diver Core		
			ON BOAT		Poor	Disturbed		
hoces	SEN:	115	cm = 83.8%	Core Quality 🖾 Good 🗆 Fail 🗀	FUUI			
Size % Gravel	Size % Sand	Size % Fines			Recovered C Length (N)	Sample	Summary Sketch	
	5	95	0-115 cm :	SILT (ML): SOFT, SATURATED	-		M(1111)	
		·	TD 22 CM , 7	HEN MED. STIFE MOIST BLACKISH			\mathbb{H}	
					L_		**	l,
					20		ШШ	. 3
			I					50.3
			C18,3	1: ORGANIFIS - POOTS	-		Kill	
					Teo		$\mathbb{N} \mathbb{N}$	
						- 2	MAA	
					-	50.3cm	10111	
							$\mathbb{H}\mathbb{H}\mathbb{H}$	
					60		ЩЦЦ	
					-		Mind	
							11111111	
							Littin	
					200		MM	
							1111111	
			640-4	2: Grey Clayey Stur Lens			min	
			A 1	Cuma Endorant	100			
			C (64 :	SHER LANGINGWI			00	
					_		MILL	
					-		$\mathbf{H}\mathbf{H}$	
			En	n of contellism	120)	1	•
					-			
					ď			
				Æ				
					_			
					-			
					F			
					-			
					F	2		
					-			
			181					
					_			
	AOC . 18 Sectio ength ery: !! overy: Proces	AOC4 Duw. 180067- Sections: [ength: 4.5 fery: 117.3 covery: 84.4] Rocess en: Page 2 gand Page 2 gand Page 3 gand Page 3 gand Page 3 gand Page 3 gand Page 4 gand	AOC4 Duwamis 180067-02.02 Sections: ength: 4.5 F1 = ery: 117-3 cm overy: 84.4 7, Rocessev: 115 Size	AOC4 Duwamish 180067-02.02 Sections: I ength: 4.5 Ft = 187.2 cm ery: 117.3 cm on front povery: 84.47, on scar Recessero: 115 cm = 83.87, Povery: 84.47, on scar Recessero: 115 cm = 83.87, Density, Moisture with A 5 95 0-115 cm Cary, Fai Car	Date/Time: 7 22 21 0 11:2 Sections: 1 ength: 4.5 Ft = 1/31.2 (m ery: 111.3 cm on form overy: 84.4 1, 600 General Diameter of Core (inches) 4" Core Quality Good Fair Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor) 7 95 0-115 cm: STLT (ML): Soft, SATLANTES	Station ID: SCSTY Date/Time: 7 22 2 0 11:20 Core Logged By: S. STMETT Attempt #: 1 Type of Core Mudmole Wibracore Diameter of Core (inches) 4" Core Quality Good Fair Poor Board Poor P	AOC4 Duwamish 180067-02.02 Sections: I sight 1/3 cm si	Station ID. SCSTY Date Time: 7121 21

Page l of

Job No. 180067-02.02 No. of Sections: 3 Drive Length: 14.0 Recovery: 12.3 on booth 187 on boo	Sed	ime	nt (Cor	e Processing Log	1	ANCHO	JR
No of Sections: 4.0 Drive Length: 4.0 Recovery: 12.3° cm boat 78 Recovery: 37.4° cm boat 78 Recovery						¥	GEA SE	
Attempt # Type of Core Mudmole Vibracore Diver Core Diver Core Dimenter of Core (Inches) Vibracore Diver Core Diver Core Dimenter of Core (Inches) Vibracore Diver Core Diver						bis	0Cess 163C	
Type of Core Mudmole Vibracore Diver Core Mudmole Midmole Midmol	0			and the second second				
Diameter of Core (Inches) 4" Poor Disturbed Core Quality Good Fair Poor Disturbed						core	□ Diver Core	
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituen				7.96	To on but Diameter of Core (inches) 4"			
5 95 0-203cm. SILT (ML) wet to mo 13t, dorte gray, SI. soft, Non-plastry trace sheen florets @ 8 clive gray fn. sand lens (50/20) C 20-21, trace pyone flecs 60 SC576B black organize debnis (turgs, leaves) @ 16-18, 42, 56 trace shells @ 104 1/2" decomposed wood chunk @ 153 10 90 10% from 178-203. 10 90 10% from 178-203. 20 5C576C 101.60n 1070 from 178-203. 20 5C576C 203-206. 205-266. 205-2	Notes:	To pr	DCPSS	- 11	৪' = ৪৭ 6% Core Quality 🗵 Good ☐ Fair 🗀	Poor	☐ Disturbed	
trace sheen florets @ 8 olive gray fn sand lens (50/20) @ 20-24, trace pyrite flecs black organize debits (turzs, leaves) @ 16-18, 42, 56 trace shells @ 104 1/2" decomposed wood chunk @ 153 100 increasing sand content to 1070 from 178-203. 1090 from 178-203. 203-26m 210 210 210 203-360cm: SILT (ML) quoist to day, plastr2 trace thin worts 203-246 olive gray fn. sand (50/20) ny pyrite flecs @ 270-272, sc5765	Recovered Length (関ぐ	%	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length 働?	Sample	Summary Sketch
Olive gray fn. sand lens (50/20) 563 cm @ 20-27, trace pyrite flecs black organize debris (turgs, 1620m) leaves) @ 16-18, 42, 56 trace shells @ 104 1/2" decomposed wood church & 153 100 100 100 100 100 100 100	_ _ 		5	95		_ _ 	SC576A	السالة
10 10 10 10 10 10 10 10					olive coar for sand lens (50/20)		56.8cm	1
120 1076 172 1076 1076 1076 1076 1076 1076 1077 1077 1077 1077 1078 10	60				@ 20-27, trace pyrite fless	<u>-6</u> 0	SC576B	Hower
100 101.6am					black organiz debn3 (turgs,			
120 1/2" decomposed wood chunk @ 153 120 SC576D 127 cm SC576E 150 10% from 178-203. 10% from 178-203. 10% from 178-203. 210 210 203-360cm. SILT (ML) quoi3t to dry, 210 plastiz trace thin voots 203-276 clive gray fn. sand (88/20) reger of 203-296. 210 SC576T 228-6m 240 SC576T 228-6m SC576T 228-6m SC576T 240 SC576T SC576T SC576T SC576T SC576T SC576T SC576T SC576T					leaves) @ 16-18, 42, 56		505760	1 1 7 ()
1/2" decomposed wood chunk @ 153 120 SC576B 127 cm SC576F 150 10% from 178-203. 180 SC576G 203-20m SC576G	90				trace shells @ 104	40		901
127 cm SC576E S) E I				1/2" decomposed wood		101.0314	
10 90 10% from 178-203. 180 SC5766 177.50m 180 SC5766 177.50m 180 SC5766 203.2 cm Plastrz trace time worts 203-246 SC5761 SC5761 SC5765 S	120				chunk e 153	720	SC576D	
150 10 90 10% from 178-203. 150 1524cm 150 10% from 178-203. 150 SC5766 203.2 cm 203						<u></u>):	127 cm	
10 90 10% from 178-203. 3C5766 177.5cm 180 SC5766 203.2cm SC5765 203.2c							SC576E	
210 210 203-360cm: SILT (ML) MC13+ to dry, 210 SC576H Mod. Stiff, gray, McM Plastiz trace thin words 203-246 Clive gray for sand (82/20) My pyrile flecs @ 270-272, SC576J	150					<u> 15</u> 0	152.4cm	A
210 210 203-360cm: SILT (ML) pricist to dry, 210 SC576H wood. Stiff, gray, you Plastiz trace this voots 203-246 Clive gray for sand (82/20) your flees @ 270-272, SC576J	=				0 4 3	_	9C57/=	()
210 5 45 203-360cm: SILT (ML) MC13+ to dry, 210 SC576H white plastiz trace thin voots 203-246 SC576I clive gray for sand (82/20) 240 SC576I screen up pyrile flees @ 270-272, SC576J					increasing sand content to	_		
210 210 203-360cm: SILT (ML) MC13+ to dry, 210 SC576H Mod. Stiff, gray, McM Plastiz trace thin words 203-246 Clive gray for sand (82/20) My pyrile flecs @ 270-272, SC576J	180		10	90	10% from 178-203.	180	SC5766	
210 5 95 203-360cm: SILT (ML) MC13+ to dry, 210 SC576H Mod. Stiff, gray, McM Plastiz trace thin voots 203-246 Clive gray fr. sand (82/20) My pyrile flecs @ 270-272, SC576J							203.2 cm	
1786 trace this voots con 240 SC576I olive gray for sand (80/20) ry pyrile flecs @ 270-272, SC576J	210		5	45	203-360cm: SILT (ML) encist to dry, mod. Stiff, gray, non-	210 -	5 C 576H	imple
olive gray for sand (86/20) up pyrile flecs @ 270-272, SC576J	- 20				trais thin vools	- 240	SC516T	
1 1 1 2.57-79%	<u> </u>				clive gray for sand (80/20)	<u>-</u>		
gray clayer silt lenses 279.4cm 270 270 270 270 270 270.4cm 500 piast. 500 piast.	Ξ				2 42 - 29 (
1 @ 30/8-309, 325-327 - SC576K TTT	ZR				army clarey silt leases	270		#
) E				1 @ 30/8-309, 325-327 Jow plast.	_		#

Sed	ime	nt (Cor	e i roccssnig Log	CHOR
Job:		4 Duv		$\mathcal{L}_{\mathcal{L}}$	A
Job No	. 18	0067-			
No. of				Core Logged By:	
Drive L		:		Attempt #: Type of Core	er Core
Recove			Po	Type of Core Mudmole Vibracore Diversity Di	51 0010
% Reco	overy.				turbed
110103.					
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Summary
- - - - - - - - -				(things, leaf mats) @ 300-305, 330;	2cm
				3" decomposing branch @ 305-308 = SCE 1/2" word church @ 333,345 360 36	576M
360				1/2" word churk @ 333, 345 360 36	oon
_				sl. H ₂ S oder 345 - 360	
				END OF CORE @ 360 cm	
1 -					
				l Fl	
`) =				 	
í E					
ᅵᆫ					
				-	
 -					1
I					
l					*
				F	
L L				<u>= </u>	
I —					
				=	
<u> </u>					
I -				<u> </u>	
				-	
l –					
				<u></u>	
_					
				- - - - - - - - - -	
-					
) E				[
1 -				L L	

Sed	ime	nt (Core	e Processing Log	1	RANCHO)R
Job:		4 Duw			*	GEA 33	
Job No		0067-0	02.02	Date/Time: 792 140 Core Logged By: 0 8 of Lucy	8	process 174	2
No. of S Drive L			OFF				
Recove				Yeat Type of Core ☐ Mudmole ☑ Vibra	core	☐ Diver Core	
				Diameter of Core (inches) 4" Core Quality Good Fair	Poor	Disturbed	
Notes:	Top	110CE	55 . 1	6,3 F+ = 40 % Core Quality ☑ Good ☐ Fair ☐	1 001		
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered C	Sample	Summary
20		5	95	50ft, Mon-plastiz sand is fr. 10% cocuse sand 0-5 cm/fewers Faint gray sand uf sitt leases Moist black organic matter (leaves/torgs)eb		SC5774	500
- - - - -			28	136 trace shell frags c 60 2-3 clamshells c 65 few reeds/mys c 20		54.0cm SL577B	
- - - - -				1" black aggregate piere C 67	- - <u>su</u> -	81.0cm SC577C	A.
<u>Tov</u> —				dry Sisher	<u> 100</u>	108cm	
120				e 112 few wood chainles 3/4"e 140	720	SC577D	
				fu.gray sand pochets@ 140,162,179	<u>14</u> 0	5(577E	444
160					<u>160</u>	162cm	
14v					<u> </u>	SC577 F	
F					Ē	192cm	
LĘ.				END OF CORE @ 193 am	TCOL		

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	OR
Job:		4 Duw			X	GEA -	
Job No		0067-	02.02	Date/Time: 7/6/21 collect 110 Core Logged By: N. Bacher	TU	process 114	
lo. of S			50				
				Type of Core . Mudmole Vibrac	core	☐ Diver Core	
				Diameter of Core (inches) 4	Poor	Disturbed	
Notes:	to bis	(CSS)	++.	Scm = 857 N Core Quality	F001	Disturbed	
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered C. Length	Sample	Summary Sketch
		15	85	0-54 cm SILT (ML) dank gray, wet, Soft, non-plastrz, sand is fin-med scattered pagravel 8-26 cm black argunz debris (twizs, reeds)	- - iv		010
20 - - - - - - - - - - - - - - - - - - -		4		@ 26 \$ 51 gray silty day clasts @ 31,46		IT578	000
		5	95	54-77cm: POORLY GRADED SAND (SP) gray, moist, wood dense, sand is fin-med, trace pyrite grains, few multizolared grains gray silty clay clasts @ 70,72 END OF CORE @ 77cm		38.1 cm	

Sed	ime	nt (Cor	re Processing Log	1	ANCHO		
Job:		4 Duv			70.	GEA SE	~	*
Job No No. of		0067-		Core Logged By: S. Stran	1/1/	00000000 1275		
Drive L				Attempt #: /	/			
				Type of Core Mudmole Vibra Diameter of Core (inches) 4 4	core	☐ Diver Core		- AF
				Diameter of Core (inches) 4 " Core Quality Good Fair	Poor	Disturbed		*
		100	J.U.T		ay		$\overline{}$	
Recovered CLength (Th) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	ered	Sample	Summary	
		85	15	0-67 cm: SILTY SAMD (SM) - VERY LEOSE,	-		3535	
				THE MEN DENT TO 13 CM THEN MEN WING,	F	11579A	14 /	
20				WOLLE BLACKERH WHEY WARK WILL IN	20	·	4	
				QD-11: ORGANACS - ROOTS /ALGAE/REEDS	=		MITH	
				@ 20,28,33,49,59 - WOOY NEBAIS - SHREDS	_	32.6cm	111111	•
40				STECUS UP to 1"	<u> 4</u> 0		* .	
				(25-27, 33-35, 61-67: BLACK STUT LENS (M)	 	_		
				@28,72,40,50,60: PERCOCK SHEEN FLOWETTES		1757913	1.1:1	
bo				@ 36-38: F-COARSE SAUD LENS, DARK GAGY	100		- x	
ΙF				2,00,000	-	67.0 cm	mille	
7 E I		95	5	67-151 cm: poonly GRADEN SANO (Sp)-	F	70.0		
80		.,		MEN DENSE, MOJST, DAPLE GREY, FIME TO	80	17579C		B 21-
-				restum MULTICOLONER GRATINS.		83.8 cm		Cinterval
				@96-102: VOX-10 (1046F1)	-			processed to 96
100				(6 48 - 102 : Vates (104 4 50 + (105 6 5))	100	17579D		cm
-						110.6	1:50	incidentally
					-			
170				@ 128, 136 : GREY SELT CLAST UP TO/4"	170	17579E		
					F	132.4	<u></u>	
140					— <u> </u>	1579 F	· 6.	
=					-	15/cm	"···	
				S = = (= = C = = = = = = = = = = = = = =	E	3,000		Ì
160				ENM OF CORE @ 191 cm	160			
					- 2			
					E			25
-								
ΙĘ								
1 E			-		F			
				1	-	1	1	

FG: FINE-GRAFAGO SAND

Sedim	ent (Cor	e Processing Log	0	ANCHO	OR				
Job: AOC4 Duwamish Job No. 180067-02.02 Date/Time: 7/6/2021 10:40										
No. of Secti		02.02	Core Logged By:							
Drive Lengt	n:	07c	Attempt #: Mudmole Vibra	2000	☐ Diver Core					
Recovery: % Recovery	7	30	Type of Core Mudmole Vibra	core	□ Diver Core					
Notes:	4	1:46	To Pring Core Quality & Good Fair	Poor	Disturbed					
Recovered Length (Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch				
	5	95	The soft, non-plastize trace for sand. Fow turns 0-5 cm. Fow turns 0-5 cm. Formed sand podiets, 5P, trace pyrite and multirolored grats, gray C45,53,64,71 cm black silt clast @ 73 cm		SC580					

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR					
Job:	Job: AOC4 Duwamish Station ID: 5C 58											
Job No			02.02		21	DOGESS 12	00					
No. of			2	Core Logged By: N. Bacher	•							
Drive L			Oft		Attempt #: \ Type of Core							
Recove			f+	on beat Diameter of Core (inches)	00.0							
				un = 83.7% Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed						
_	7				ابن							
Recovered Length	Gravel	Sand	Fines	Olassification and Remarks	79 FA	ω	ا ⊵ ۔ ا					
th (4)	Ü	% S	% Fi	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length	Sample	Summary Sketch					
eng	% ө.	Size %	Size %	with Additional Constituents, Sheen, Odor)	Sec.	Sa	Sur					
R _	Size	Si	Si			41						
-				0-30cm: siLT (m) dule gray, wel, soft,	-		144					
		10	90	QILLEN Non-Pl. Sound is fr.			111					
		10		20m white black hards malastra @ 24	<u>- 20</u>	a para	Pago					
26					_	SUSSIA	(Paralle)					
				- 11, 20, 23, 26, 28	-		1986					
			_	30-178 cm: blacking gray PODELY	- - i=0		, AME)					
<u>F</u>		95	5	GRADED SAND (SP).	-40	* * *	. 26					
				CIERDEO SARO (SI)	L.,	50.20n	4					
		55		sand is In - med.	-							
60					<u>-60</u>	SC581B						
				039 2" black vesticulated	-	75 700	6, ,					
				aggregate piece.	_ ~	75.3cm	00					
50	ν.			@75, 128, 137 gray silty clay	<u>-8</u> 0		7 5					
				po chets.		SC581C	3 3					
 -				,	-	30000	Mo					
				@ 88-122 large (3-4") wood pieces	Ew	100.4 cm	0 1					
				(piling material, wood splinter)		100.10.	W. 4.					
				Graden 1 1/2" Entropy de d	F	5(5810						
				scattered 1/2" subrounded gravels.	<u></u>		Mrs.					
<u> </u>					720	125.5CM	-0					
				below 126 grades to med-cr. sand.	_	SCSSIE	Ø					
-				med-cr. sand.	Ė.,	JC38 1 C	our					
					<u>740</u>	150,6cm	0 0					
-		19			L	1301000	٠,					
					-	SCEOIL	الع مي					
IIŁO			20		<u>160</u>	SCS81F	000					
					-	170 6 60	0 0					
					F	178.5 cm	100					
141				T. 10 120	140							
				END OF COPE @ 179cm	-							
				RAL interval (A) processed in full. Archive taken A1=030,A2=30-502								
Tool				" Archive taken A1=030, A2=30-502	-200							

Sedime	ent (Cor	e Proces	sing Log	1	RANCHO	OR
	4 Duv			Station ID: ITT582	V	G, QEA SE	\approx
	30067-			Date/Time: 7/11/21 (1816	pavessen: 09	20
No. of Section	ons: 2			Core Logged By: S. STREHL		/'	
Drive Length	1:6.91	9		Attempt #:		D: 0	
Recovery: 5				-) F	ibracore/	☐ Diver Core	
% Recovery				Diameter of Core (inches) 4 4	☐ Poor	Disturbed	
Notes: Place	sen: 5	17 F1	r = 75.4 L	Core Quality X Good Fair	P00i	Disturbed	
Recovered Length (N) 3	Size % Sand	Size % Fines	with	Classification and Remarks Ire, Color, Minor Constituent, MAJOR Constitu Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch
_ 15	80	5	0-19 cm: GE	LAVELLY SAND (SW): LOOSE, SATURATE	n, –		D-A
-			ALTER GAR	M FCOARSE GALTNEY SAND, SOME			0
			5 C.4	3-ANT GARNEL UP TO 1.5", OPGANES	. [J+592A	.0.
20		1	- 5401, 100		7-20	1121214	
-			ROOTS /V	@13 SHEU FARMONT	′		000
			,			21 000	[] . Y .
	85	15	19-37 cm:	STUTY SAND (SM) : MED. DENKE,	<u>u</u> .	37cm_	-
40			MOIST BO	HOLLIEN GAREY, FINE-GRAFAMOS SA	NO 140	T-100 0	
				@19: 1/24 STICK	/ F	ITS82B	titter
l F I			(X)	@ 24:1" WOOD CHEP/	/ ₋	-0	100
60			2		60	596cm	milie
	95	5	37-157 cm	: POORLY GARDED SAND (Sp): MEN-	ang_		:-,, :
\ F	לי		'	AN CADE F-MED GRAFNED SAND,	-	Trsac	. 5
Y			MOJST, DA	LK GARY, F-MED GRAINED SAND,	T c	21082	
80					80	822cm	War or
-			[@	47,51,80,94,106: YELLOW STATNED," WOOD FRAGMENT/CHTP UP to 2.5	F .		4
-				WOOD FRAGMENT/CHIP UP to 2.5		IT592D	1 20.
			B 5	1,80; WOOD BERAIS - SHREDS/STACES/R	ard S	213.00	
100			l			104.8cm	المنتأ تنالأا
l			e 5	1-53,56-58, 109-114, 116-120 : GREY		101730	
				SILT LEWS		ITS82E	SSS
17.0			@9	1-120: WOOD DERMS - SHEEDS/STEEL	ES/ 120		HIP
1 1/4				YELLOW STATINEY WOOD FOR GARRY	s 🗀	127.4 CM	
				Total Strate of the Strate of	-		
	100		@ 118	Y: GAADES TO NO STLT, NO OPEN	nts,		
140	1,00			F-M MULTICOLORED GARTAND SHOW		IT582F	
			'	prof (title) and the same	-		
-					_	2-	9 39
					- [.	157 cm	· ·
160			5	Euro of core @ 157 GM	160		
-							
Ten					180	O.	
180	1						
) E [
					-		
I I	1		ı			I	1

Sed	ime	nt (Cor	e Process	ing Log	e c ras	9	V	R ANCH	OR	
Job: Job No		4 Duv 0067-			Station ID: Date/Time:	717/21	1003	5	Mess 10	45	
No. of	Sectio	ns:	1	em	Core Logged Attempt #:	By: Na Bacher			,		
Drive L Recove		7.00		in on boat	Type of Core		☑ Vibraco	ore	☐ Diver Core		
% Reco		10000	10 0	11 beat	Diameter of C Core Quality	The second secon	air 🔲 P	Poor	☐ Disturbed		
	12. 4			Tolko.				im			
Recovered Length (姓氏	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture with A	Classification a e, Color, Minor C dditional Constit	and Remarks constituent, MAJOR Coruents, Sheen, Odor)	nstituent,	Length (4)	Sample	Summary Sketch	
111				0-111cm	51LT (MI	L) black, wet/ , then moist/	lsoft sistiff	25 25 26			
<u>T0</u>					vou-plas			- <u>(</u> 0			
<u>7</u> 0					aray clay	clasts @ 24,4	0,44	20			
					3 ()			- - - <u>3</u> u	5(583		
											×
<u>।</u>				blad	e organiz	delsn3 (leaves)		<u>ਖ</u> 0 - -		0	
- S					648			<u>5</u> 0	54.6 cm	-	
<u>w</u>				avay f	n sand po	ochets e 60,6°	લ	<u>6</u> 0			
- 70 -								<u>7</u> 0			
<u>₹</u> 0								- - <u>3</u> 0			4
<u>a</u> 0				few r	eeds@9	D		- - 90 -		135	
E				trace	small sh	els c 100		-		can	Į
100				eore c	atcher eu	pty		Page_	of	1111	Illan

Sed	Sediment Core Processing Log											
Job:		4 Duv		(1561)	Y	G QEA SE	\approx					
Job No		0067-	02.02		204	process 132	0					
No. of			2.	Core Logged By: U. Bachet								
Drive L	×_	G.2	FF		Attempt #: Type of Core Mudmole Vibracore Diver Core							
Recove % Reco				n bout Diameter of Core (inches) 4								
				SFH = 68.4% Core Quality 🗵 Good 🗆 Fair 🗆	Poor	Disturbed						
Recovered Length ()	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (18) S	Sample	Summary Sketch					
720		15	ৰ্থিৰ্	0-71cm: SILT W/ SAND(ML) black, moist, 51. stiff, non-plastiz orange gray clay class e 0-5,68 black organiz debits (turgs /leaves)	- - - - 20	SCSBYA	1000					
1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				orive gray v.fn. thin sand launinating @ 24, 57-61 (4 of then) brown bank fragments up to 2" w/ 51-H28 oder @ 30-35	140	41.1cm SC584B	***					
N 11 18		>95	4 5	71-146cm: DOTIELY GRADEN SAND (SP)		71.0cm SC584C						
_ 				gray w/ multicolored grains, mast, mod deuse, sand is many 1/2" clay clast @ 94		91.5cm SC584D	~ Ø,					
120				Sand is med-cr@123-130	- - 120	50584E	5000					
140					T40	146cm	y 3 = 1					
_ 				END of core clyban 25 cm void in core between	- 160							
				85-110 cm: core slipped in bourel during extraction,	Ē							
				Void is closed in the								
				log above.	E							

Sed	ime	nt (Cor	e Processing Log	1	& ANCHO	
Job:			vamis		10	QEA SE	·
Job No. of			-02.02	Date/Time: コリリロ II	10		
Drive L				Attempt #:			
Recov	ery: 5	.9 6	N B		core	☐ Diver Core	
				Diameter of Core (inches) 4" Core Quality Good Fair	Poor	Disturbed	
Notes.	PROL	esser); 5.7	FT = 78.61. Core Quality (20 Good Fair	CM		
Recovered Length (N) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	ered (Sample	Summary Sketch
F	20	75	5	0-6 cm : GRAVELY SAND (SW): LUOSE,	- 1		40.00
				SATURATED, BROWN GREY, F-COALSE SAND,	Εl	IT 585 A	
20				ANG- SUB ANG GRAVEL UP to 1/2"	20		
				Czem: BLACK AGGAFGATE W/ALGAE 12"	_		1
		5	95	6-59 CM : SILT (ML) : MED-STIFF, MOUST,		35,4 cm	1
40				BLACKISH GREY, EG SAND.	40		*
				@56 cm : GLASS FRAG 42"	F	IT 585 B	معوسل
-				- PERCOCK SHEEN FLARETTES @ 33,39,51	Εl		₹
60					60	59.0 cm	4000
		90	10	59-167 cm: poonly Genses saws (Sp):	F		Marin 12/
) E		, "		MED-DENSE, MODEST, BROWNISH GREY, FINE-		IT585C	
₹ 0.				MEN MULTICOLORES GRAFAS, GRADES TO MORE MESTIN W/ SEPTH.	80	81.60	=
				- BLACK STLT CLASTS @60-63, 70-75	-		-
ļ				- WOOD DEBRES: STICKS, SHARUS, CHUNES UP	100	IT585 ()	5.5
loo				to 2.5" @ 63-69	-	106.7 cm	
ΙF				MARKINE MARKIN ARMINING BUNDAN AND	-		
120				- 1/2" woos CHEP @ 80,90	120	IT585E	
		95	5	- BLACK FG SAM LEWS E123-126	F	129,8 cm	
-				- BRECH FRAGMONT 1/8" @159	Ė.		
140				- 2" REED @ 164	TYO	77.12.4	, : ; .
			ľ		F	IT585 F	
l F				- ROUNDES VESTICULAR AGGREGATE UP to 1/2		13	*** **
160				- POTENTIALLY JELLOW PATATED WOLD	160	167 cm	8
				- C4#p up to 1" @ 165	/ _	141 cm	C> 30
80				- Roumen punsce-like GRAVEL@165	180		
) E				END OF COME @ 167 cm	F		
ſΕ					-		

Sed	ime	ent (Cor	e Processing Log	1	ANCHO	OR .
Job:		4 Duv		h Station ID: 50580	Y	G QEA SE	こ
Job No		0067-	02.02		30_	process 1100	
No. of			1_	Core Logged By: N. Bacher) !	
Drive L					ocore	☐ Diver Core	
Recove			66		COIE	☐ Diver core	
% Reco				Core Quality ☐ Good ☐ Fair ☐	Poor	Disturbed	
110100.	Ÿ.	, DCP		W M			
rered h 🕮 🕃	Gravel	Sand	% Fines	Classification and Remarks	Recovered Length	Sample	Summary Sketch
Recovered Length 🚓	% əziS	Size %	% ezis	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Reco	San	Sum Ske
E				0-101cm: SILT (ML) black, welfsoft	F		311
10		4 5	>95	to 32, then moist/sishit,	-10		[]
ΙE				few turgs 0-5 cm	E		5.7
20				trace shells @ 15cm	- 70		
					E	5C584	Ø
ΙE				gray clay clast @ 23	<u></u>	20204	1
<u>3</u> 0							
ΙF					E		11
40					<u>40</u>	*	
					F	49.7cm	
30			6	260	<u>-570</u>		
ΙE					F		
60					<u>-60</u>		
ΙE				black organiz debn3 (leaves / turys)	E		:414.22
70				608	70		
				Eu tuigs € 73.	E		17/
80					350		
					E		111
90					90		1
-				END OF CORE @ 101 cm	E		111
140)				Core catcher full and logged	100		111
				20	Page	e \ of	

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	JR ~
Job:		4 Duv		21 21 10 100 11		G QEA	_
Job No		0067-			P	rocess 1615	
No. of S Orive L			10 F				
				Scal Type of Core ☐ Mudmole ☑ Vibra	acore	□ Diver Core	
% Reco	overy:	98	6%	on Scot Diameter of Core (inches) 4"			
				Fr = 95.7% Core Quality Good Fair	Poor	☐ Disturbed	
LM	<u> </u>	ס	v		LM		
Recovered Length (Gravel	Sand	Fines	Classification and Remarks	Recovered Length (類)	<u>pe</u>	Summary Sketch
g se	%	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent	- S #5	Sample	Ske
Fe &	Size	Size	Size	with Additional Constituents, Sheen, Odor)	R 2		ω ΄
	S		0,	1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-		1,011
				0-203cm: SIL7 (ML) blackersh gray,			11:11
-				net/soft to 38, then moist/si.soft,			HHH
70		5	95	non-plastrz, sand is fu.	20	(0.00 A	
-				one orange worm @ 6	F	SC587A	
				J			(III)
7:0				11 2 1	1-40		11111
40				black organiz delis layer (turis, leaves, brunches)@ 47,147			1)][]
				(turis leaves, bruncus)e 17,111	-	9	much
H.				E sat army class clastalleners	上	57.4cm	11111
60				Faint gray clay clasts/lenses @ 25,33, 189	60		Li i,
. ⊢ .				C [2] [3] (8)	-	0.000	
<i>)</i> E I					F	SCS8 75	1()
580				1" wood clumbs @ 69,133	80	61.	11111
				ar		SC587B 86.1cm	
_					-		
_						505870	ШП
100				*	100	200010	Ш
						(Varies a	11111
<u> </u>					-	114.8cm	+[[]]
120				n	720		1117
					-	SC587D	1141
							68
15.				97	140	1600 6	
1.0						143,5cm	± 0.01
				interbeds of olive gray sund who silt and black silt lenses (-		- House
				silt and black silf lenses (to		5C567E	11111
TEU				(~ 1 cm + hick) from 164-188	160		11111
-				2 2 2	-	1722cm	
				Silt is black below 186 cm		- 1100	Triti
. iso					150		100
1 130						S(2018	(QUDI
) F					-	7000 44	
					300)	203cm \$	7
780	-			END OF CORE @ 203 cm	1440		
				VI 5 0 1 1 1 1 2 20 2 2 2 2 2 2 2 2 2 2 2 2	Page	e of	

Sed	ime	nt (Cor	e Processing Log	1	& ANCHO	OR.
Job:	AOC	4 Duv	vamis	h Station ID: TT 588	Y	GEA SE	\approx
Job No.		0067-		Date/Time: 71,4121	00	3	
Vo. of S	Sectio	ns:	2	Core Logged By: S. STREHL /			
Órive L				Attempt #: 2		Diver Core	
Recove				98/7/11 William 1988 1 18/80 1	core	☐ Diver Core	
% Reco				WOR'T DIAMETER OF COLOR	Poor	Disturbed	
Notes:	ph oces	ien: 4.	917 =	73.1 /. Core Quality \☐ Good ☐ Fair ☐	1 001	□ Disturbed	
Recovered Length (A) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered C Length (1) \$	Sample	Summary Sketch
_ _ _ _ _ _	•	95	5	O-19 CM: POORLY GRADED SAND (SP): MED-DENSE, MO FST, BROWNISH DARK GREY, F-MED MULTICOLUR. GRAFMEN . Q4,8: SUBANG/SUBRNO GRAVEL UP TO 1/3"	_ _ _ _ Zo	IT588A	
				@6: glass Frag/ceramec Frag up to 1/2"/ @12-16: BLACK STLT CLAST		32,9cm	*
<u>40</u> 		5	95	19-122 CM: SILT (ML): MEW-STAFF, MOEST, BLACOSTU GREY, FG SAND.	<u>40</u> -	IT58818 54.8cm	**
<u></u>				- PEACOCK SHEEN FLOWLETTES @ 23,28,34,45,48, 65,74,87,98,108,112 (NO OBOR) - ORGANICS: WOUND CHUNUS/SHREDS UP TO 1/2"	<u> </u>	Str 588 C	
ŻΕΙ				@ 50,66, LOY @ 81 - \$92: WOOD DEBRYS: CHUNKS/SHREDS/REEDS	-	76.7cm	W
 - -				OPZ-99 VORD: CLOSED+ LOGGED	 - - -	IT 5880 98,60m	***
_ _ <u>u</u> ,			_			27588E 122cm	
<u> </u>		95	5	122-150 cm: pookly GRADED SAND (Sp): LOOSE, SATURATED TO 134 cm, THEN MED DENSE AND MOTST, BLACKSH GRAY, F-MED	_ _ <u> </u> <u> </u> ।	F1588F	
				MULTICULURED GRAFAS, GRADES MORE MEDEUM GRAFAED	_ _ _	150 cm	17.
<u> 160</u> -				END OF COME @ 150 cm	<u> [60</u> 		
<u> </u>					- <u>180</u> - -		

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR
Job:		4 Duv		90-10-10-1	10	G QEA S	2
Job No No. of		0067-	02.02	Date/Time: 77.7.1.2.1.1.1.1.1.2.1.1.2.1.1.2.1.1.2.1.1.2.1.1.2.1.1.2.1.	13	5 process	1200
Drive L			2.70				
				on boat Type of Core Mudmole Vibra	соге	☐ Diver Core	
	overy:	990	To or	Diameter of Core (inches)	Dage	Disturbed	
Notes:	10 p	VOCES	5.10	2.5cm = 91% Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed	
Recovered Length (ft) 	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (ft)	Sample	Summary Sketch
F				0-103.5cm: SILT (ML) black, wet/soft to 18, then we ist/sistiff, non plastiz, 51. H25-oder throughout Free gray sound podut @11			
Ξφ				un prastrz, 51. H25-oder	-10		@
				Fre gray sound podut @ 1	_ 		11,
				one dum shele e 24		50589	~
30					<u>-3</u> 6	J(J0)	1
ΙĒ							
40				~	<u>40</u>		
- 57					= 57V		
					Ē	58.2cm	
<u>7</u> 00					<u>-6</u> 0		
				trace small shells @ 70-74	E ₇₀		(
2				(Ince January 1997)	E	<	,
					- - 30		
90		0		black small wood splinters 88-93	<u>=90</u>		1
				. 1	E		
707				FAM OF CODE @ 1035	700		111

Cove contains full and logged

Page of ___

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	DR
Job:		4 Duv			×	QEA SE	10
Job No No. of		0067-	02.02	Date/Time: 7/9/2 11	5	process 12"	10
Drive L			90	Attempt #:	- C		
				Type of Core Mudmole Vibra Diameter of Core (inches)	core	☐ Diver Core	
% Reco	overy:	1600	118	Scan = 97.2% Core Quality ☐ Good ☐ Fair ☐	Poor	☐ Disturbed	
195							
Recovered Length (ft) •	% Grave	% Sand	% Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length (ft)	Sample	Summary Sketch
Rec	Size %	Size	Size	with Additional Constituents, Sheen, Odor)	Rec	Ø	3°
Œ				0-118.5cm SILT (ML) black, wet/soft	_		14.5
20		4 5	>95	to 28, then worst/st. Stiff non-plastrz.	- 20		
				2" angular gravel piece my barracles e 7	E	C . = 0 =	
				fau shells e8	ا ا-بزر	50540	
40				one red worme 12	<u> </u>		111
				gray clay clasis @ 38,48,78	F.	58.3 cm	
<u>T60</u>				3 ()	<u>-6</u> 0		l
ΙE				11 - 11 - 11 - 11 - 1	-		
30				black organiz debis (tuijs / leuves)	<u>-80</u>		سسىين
F				2.3	Ξ		
				Few 1/2" wood churchs @ 100-102	100		
ΙE				<u> </u>	E		
					120		111
-				END OF CORE @ 1185cm	E		
I E				Core catcher full and logged.	- 140		
140				33	-		
ΙĖ					F		
					E		
l F							
l E					L		
					E		-
ΙF					E		

	Sed	ime	nt (Cor	e Processing Log	1	ANCHO	DR
Some Length: 6.9 His head Notes: To precently 19 year of Core Logged By: Recovery 9 H. Ye an State Dimeter of Core (Inches) 4" Poor Disturbed	Job:	AOC4	4 Duw	/amis		×	GEA SE	00
Attempth: 2 9 Link Recovery 6 1 + 4 and book Recovery 97 1 1/6 on book Re				02.02		3—	DYOCESS 14	00
Type of Core Mudmole Vibracore Diver Core Vibracore Vibracor				9 54				
Notes: To process: 6.3! = 91.3 % Core Quality & Good Fair Poor Disturbed Classification and Remarks Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor) Classification and Remarks Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor) Classification and Remarks Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, With Additional Constituents, Sheen, Odor) Classification and Remarks Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Cons					Type of Core Mudmole Vibra	core	☐ Diver Core	
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, With Additional Constituent, MAJOR Constituent, With Additional Constituent, MAJOR Constituent, With Additional Constituent, Sheen, Odor) To 95 98 88 80 000 000 000 000 000 000 000 00	% Reco	very:	97.	1%		Poor	Disturbed	
O-14 cm: SILT (NL) olive gray, wet, usoft b 13, then gray, soft, moist. New plaste: 5 and is fin-med Few Vit engalor graved 0-5 Few Swells e 27 22-38 brownshy pay organize debris 14-112cm: SAND W SILT (SM) gray, Moist, med dense, sand is fin-med gray sand podules e 15, 54,58 V. thin black org debris lense 46,49 66-18 brownst gray organize debris upto 15" (pood shreds, twigs, leaves, browds) black silty clay clast 106-107 3" wood 5p inter e 110 112cm 192cm: Povely bravel SAND(SP), gray, moist, med dense, sund is fin-med of trace multi-colored grains trace small shells twood e 119 2-3" black silt clasts e 135,162, 150 SC591E	Notes:	100	10W5	5:6,	31 = 91.3 % Core Quality	1 001		
100 95 95 195 Hear gray sort of 5 for med 100 114 orange word change of few fields e 22 22 argains oldows of pto 15" (wood shireds, tungs leaves, brander) 40 111 120m; SAND W SILT (SM) gray; worst, wood dense, sound is for med gray sand pediets e 15, 54,57 54.8 CM 54.8 CM 54.8 CM 66.78 brownish gray organis debyts; it than black org debyts ense e 46,49 66.78 brownish gray organis debyts; opto 15" (wood spirals for gray argains debyts opto 15" (wood spirals for gray clast 106-107 gray, worst, wigh leaves, brometer) 100 112 cm 113 cm 113 cm 114 colored grays 114 colored grans 115 cm Recovered Length 側字	~ I	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length (2)	Sample	Summary Sketch	
Most, and delise, solver to SCS91B in this black ong debris lens e 46,49 in this black ong debris e 46,49 in this black ong debris lens e 46,49 in this black ong debris l		×	5	15	for 13, then gray, 30th, to 1.5. non-plastiz. 5 and is for-med few 1/2" angular gravel 0-5 1/4" orange word charles @ 9 few shells @ 27 27-38 brown shyvay organiz oldons up to 1.5" (wood shreds, turigs, leaves, brands)		SC591A	
friend gray sand podests e 13, 19, 19 i. Ham black org debris lens e 46, 19 ii. Ham black org debris lens e 46, 19 iii. Ham black org debris lens e 46, 19 iii. Ham black org debris lens e 46, 19 iii. Ham black org debris lens e 180 iii. SC591C iii.	_ _ _ _		80	20	moist, mod acuse, sama is	<u>-6</u> 0		
The trace small shells knowd e 119 2-3" black silt clasts @ 135,162, 168, 177, 182, 188, 180 5C591E 180 5C192F 190 190 190 190 190 190 190 19		×	95	5	fu-med gray sand podests ett, 1913 v. thin black org debvis lens e 46,49 66-78 brownish gray organiz debvis upto 15" (wood shreds, twigs, leaves, birmelus) black silty clay clast 106-107 31 wood splinter e 110	- - - - - - - - - - - - - - - - - - -	82.2cm SC591C 112cm	
ENO OF CORE @ 192cm - 200	160	a		2.	trace small shells knowd e 119 sweds e 135,162,	T60	5C591E 1668 5C192F	
	l E				END OF CORE @ 192cm	200		

11cm void 72-83cm, this void is closed in the core above.

Sed	ime	nt (Cor	e Processing Log		1	RANCHO	DR.
Job:		4 Duv			592	X	G QEA SE	
Job No		0067-	02.02	Date/Time:	21 1531		process 1640	
No. of S			3		Bacher			
Drive L		· 1		7, 0++ (y) Attempt #: 3 Type of Core Mud	Imole 🔯 Vibrac	ore	☐ Diver Core	
Recove				Diameter of Core (inches	1-11			
				cm = 75.9% Core Quality K Goo		Poor	Disturbed	
	1.0					LM		
四曲	Gravel	Sand	Fines	er in die al Barrador		9 7	ω	≥ _
Recovered Length	ຶ້	% Se	% Fir	Classification and Remarks (Density, Moisture, Color, Minor Constituent, M	AJOR Constituent.	Recovered Length	Sample	Summary Sketch
eng e	% e	Size %		with Additional Constituents, Sheen	, Odor)	je g	Sa	Sur
요그	Size	Siz	Size					
F				0-46cm: SILT (ML) black, black	ncist, mod.	-		ì
				5th ff, non-plast	r, sand	- 1		I
30		5	95	15 V.fn.	-	- 20	17592A	λ A
4				0 20 22 1 27 20	[_		$\Gamma \cap I$
				leuses, gray, v.tra colored grams. trace wood chuls G	re multi-		34.2em	2006 4
				colored grains.	, F	_ - ც	1T592B	60000
40				trace wood chules @	2 21	``	_	$ \cdot \cdot $
						_	465an	
-		95	5	46-167 M. POORLY GRADED	(92) QUAZ	-	ETEGOC.	15 E
60		לוכן	ا د ا	- date arms must,	mid line	<u>-6</u> 0	17592C	2 2
ΙF				Smal & fu-me	d trace	- 1	69.3cm	0 .
-				Multi-islaved 5	rams &	_		ATTO.
				46-162cm: POORLY GRADED dorlegray, moist, sund is furme multi-colored s pyrite frees	-	-so	1T592D	ر کھ ج
30				11 1 - 11	tants		92.1cm	ء ،
-				@77-73 black 5114		-	12.10.	
				wy trace brown	100000		ia	, c
W				chuly (sm	ill)	<u> </u>	1T592E	e e
-						_	114.9cm	. ,
				@140 3/4" brown w	ood church	-	11 1,51 07 .	5 /
120						<u>τ2</u> υ		8 3
					1	-	1T592F	ا د
				×	Ī	_	1372cm	
190					ł	<u> 140</u>		۰ 🛦 🛊
					1			٥
ΙF					1	-	17592G	ו ע
					ĵ	<u> </u>	=	
Tec						TEO	162cm	
F				END OF CORE @ 1	52	_		
=				· ·	T I	— Т/м		
TS1)				18cm slip in 5P between	114-132cm	עמו		
-				Core is assumed to have	sligged			
				18cm stip in 5P between Core is assumed to have down during extractory	and Voia	-		
_) is closed	cm this log.	_		

Sedi	me	nt (Cor	e Processing Log		QEA 😂)K
250522300		4 Duw			10	Drocess 16"	10
Job No. No. of S		0067-0 ns: フ		Core Logged By: N. Bacher	40	V1000 35 16	, ,
Drive Le	ength	6.8	ft	Attempt #: Z	core	Diver Core	
Recove				Type of Core Mudmole Vibra On book Diameter of Core (inches)	COIC	-Z	
Notes:	To p	VOLES	5; 1	73cm = 83:5 ₺ Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed	
Recovered Length 倒了	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
	zis 15	>95 >95		15% s.74, mussel shells, word Shreds to 8. 1/4" orange wood churk @ 158 Hack 1" silt clast @ 73 1/4" orange wood churk @ 81 164-173 cm: Posely GRADED SAND worst W GRADEL (5P-GP) gray made graved to 1" and rounded 5% 3/4" wood churks	1 20 1 10 1 10 1 10 1 10 1 10 1 10 1 10		ALON O'CO.
		8		34x24 black orggregate @ 172 w/ one /	- -		

END OF CORE @ 173 cm Page 1 of 1

Sediment	Cor	e Process	ing Log	1	ANCH	
Job: AOC4 Du			Station ID: SC 594		C QEAS	
Job No. 180067	-02.02		Date/Time: +1913	1 094	O process	ሀԿሀ
No. of Sections:	1 0		Core Logged By: N Back	nier		
Drive Length: 12 Recovery: 112		n on boat	Type of Core		Diver Core	
% Recovery: 93	% 0	n boat	Diameter of Core (inches) 4			
Notes: To proce	55:11	3cm = 93%	Core Quality]Fair ☐ Poo	or Disturbed	
Recovered Length (Size % Gravel	Size % Fines	(Density, Moisture with A	Classification and Remarks e, Color, Minor Constituent, MAJOR dditional Constituents, Sheen, Odor	Constituent,	Sample	Summary Sketch
	>95	Fairtgray few fn-med	SILT (ML) black, 5 Ho II then moist/s NON-plastiz. sand ovange brain decom wood chumbs @ 5 clay clasts @ 22,40 turings @ 78 I sand pochets w/ w wed grains @ 81,9 d of core @ 113ch catcher full & loca	posny 196 196 196 196 196 196 196 196 196 196	5C594 0 55.8 cm	

Sed	ime	nt (Cor	e Processing Log	1	ANCH	OR
Job:		4 Duv			Y	J QEA 2	
Job No		0067-		Date/Time: 1/9/2/09	155	0.00000	115
No. of			1	Core Logged By: N. Bacher		21/1	
Drive L	ength					D D: 0	
Recove				Type of Core Mudmole Vibr	acore	☐ Diver Core	:
% Rec		959	o on	Blattleter of dore (inches)	Poor	☐ Disturbed	
Notes:	To pro	ocess.	120	5cm = 94.1 % Core Quality M Good 日 Fair L	J F 001	Distarbed	
Recovered Length 独	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituen with Additional Constituents, Sheen, Odor)	Recovered R	Sample	Summary Sketch
	S	25	>95	0-120.5am: SILT (ML) black, wet/soft to 22 then moist/si-soft few turings/reals 0-4 non-plastic gray clay clasts @ 17,43,64105 few shell frags @ 66 Z" thin branch piece @ 98 END OF CORE @ 120.5 cm Core catcher full and logged		SC595	555

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	
Job:			vamis	E0 E010	•	L QEA #	
Job No.			-02.02	Date/Time: 710 7113	12 1	307	
No. of S	Sectio	ns: 2	レ	Core Logged By: S. STINETH			
Órive L				Attempt #:) C1	Diver Core	
Recove				100	Vibracore	☐ Diver Core	
% Reco				Diameter of Core (inches) 4 Good Fair	Poo	r Disturbed	
Notes:	YROCE	רשלר	6.5	Fr = 907, Core Quality Good Fair			
Recovered Length (#)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Const with Additional Constituents, Sheen, Odor)	Recovered A		Summary Sketch
E	K-	5	95	0-37 cm: SELT (ML) - VERY SOFT, WET	,	· ·	
-				BLACKISH GARY, FG SAMO, TITALE STICKS,	/REENS-	1	444
70				CO-6. LARGE WOOD CHUM UP to 3"	70	C (1)	PAT
				ward spiciarters traculary	ς -	SC596A	
				es: ALGAE FRAGMENT 1"			
				@ 36: 1.5" STECK			
40				C 36 - 1.5 STECK	- / 40		خ
		95	5	37-107 con: poonly GALDES SAND (SP)	- E	Sycm	P3.
				M. DENSE, MUIST, DARK GREY, FG SAND.	<u></u>		
60				@ 37: grey silt clust 1/2"	F	SC596B	
) E I				BLACK worm DEBRIS/FRAGMENTS UP TO 1"			
<u>8</u> p				e 65: wood extract 2"	<u>80</u>	81 cm	.:-:
				e72-107: grades f-mad granultical Granius Sand	loved	SC596C	** .
(80				e 97: 1/8" show Fragments	100		- 1.
		_				107 cm	11
		5	95	104-193 cm : SELT (ML) - MED. STEF		2.6	
120				MOTST, BLACKISH GREY, FG SAMS.	17.0	SC596D	
				@140; Strok 1.54	F		
-					-	139 cm	
140					<u> 14</u> 0	C 25 -	
					-	SC596E	
							1111
					160	161 cm	
160				1/-1	1		- 4
				@170: PERCOUL SHEEN FLOWLETTE 1/2'	<u> </u>	SCEAL F	
-						ا کاری او	
180					<u> ফ</u>		
7 E.					-	193 00	$\Pi\Pi$
7 E I				0.100		193cm	111
				EM OF COLE @ 193	72	,	

Page___t of _

Sed	ime	nt (Cor	re Processing Log	4	2 ANCHO	
Job:			vamis		Y	GEA 😂	\approx
Job No			-02.02		57/	PRICESSEN: 1500	
No. of	Sectio	ns: 7	2	Core Logged By: S. ST PEHL	1		
Drive L				Attempt #: /			
Recove				Type of Core Mudmole Vibra	acore	☐ Diver Core	
% Rec				Diameter of Core (inches) 4"	Daar	Disturbed	
Notes:	proce	SSED	: 5.3	Fr = 75.7 1 Core Quality ☑ Good ☐ Fair ☐	Poor	☐ Disturbed	
Recovered Length (14)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Recovered S. Length (4)	Sample	Summary Sketch
<u>-</u>		lo	20	0-62 cm: SILT (MC) - SOFT, WET, OLEVE	-		11 11
-		5	95	Blogger Grey W/ F-Cotase Gratines SAND TO TOM, THEN MED. STIFF, MOIST, BLACKISH GREY TRACE FG. SAND. @2,7,28,51: ORGANICS-STICUS/ROOTS		1597A	
				BUMBER GILLA ALL MON CITES HATET DIACHERH		1,31.0	خشط
20				CON THE CAME	20	7	*
				grey That F. 4. 2700.	E	34.1cm	حستنيد
				@2,7,28,61: OKLANZES - 817Chs/120075	-		1111
40				@13,18: 44" DARK GAFY SAND LENS(SP) FINE- MED GRAFTINS @20,124,32,38,48,57: PERCECU SHEEN	40		*
1 40				@ 20,24,32,38,48,57. October (then)		-07.0	$\mathbb{H}\mathbb{H}$
				FLOWETTES	F	17597B	.Winder
					-	1 1	
<u>σ</u> Ω					مطا	102 cm	144
		90	10	62-162 cm: poury Granes SAND (Sp)-	Τ.	0000	
) -			'	ANTO MORE MATER DALL CARD FERRITO MED	-	+617.0	
í El		95	5	MED. WENSE, MOTST, DANK GREY, FINE TO MED GRAPHED EAND, WITH SELT (SOFT KRANGED CONTACT)		1-597-C	
Sw				m 70. ₽	80	By. 7em	
-				@ 70 : GRADES LETS STUTY, COLOR CHANGE TO CHELL GALY	-	0 /	2)
-			14 g	TO OARU GARY		1+597D	
				8.		11 31112	
100				@107: Blanking colon (ItANGE TO	120	107.4cm	
				BLACKESH DARU GROY	-		1
					E	1 - 4 Cim. 1	0.0
<u> </u>			1		120	17597E	
120					100		, .?
					E	130.1cm	
<u> </u>					-	ş	
140				@142-147 : WOOD DEBRIS - SHALDS, FAMG-	140		
				MENTS UP to 1"		17597F	- Care
				@ 150-154: BLACK SELT CLASTS	-	113711	Ø .,
-				@ 155 : GREY CLAY REPUPCLAST 1/4"			7. · · ·
160				e (a), entry o my paper sum ()	160	162cm	
				C	1		
				ENM OF CORE @ 162 CM	-		
						8	
150					180		
\							
7 = 1						:4	
				× ×	L .		

FG: FINE GRAFINED SAND

Sed	ime	nt (Core	e Processing Log	1	RANCHO)R
Job:		4 Duw		- rac	Y	GEA SE	
Job No		0067-0		Date/Time: 7/8/7021 1,606	p.	occss 1950	
No. of S	Sectio		2	Core Logged By: W. Backer			
Drive L			0 ft		coro	☐ Diver Core	
Recove				1)200	core	□ Diver core	
% Reco				Diameter of Core (inches) 9 Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed	
Notes.	10	/ (Ct-)	, 6,	000 daminy			
Recovered Length 倒ら	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (助え	Sample	Summary Sketch
70		io	90	0-54cm: 51LT (ML) black, worst, soft, NOM-plastiz, sound is for orange oxidation motting to 8 3" book frage 25 few tungs reeds @ 33	_ 	IT5984 38.6cm	A 55.
<u>40</u>				413-52 for 3" rounded gravels	_70; _	IT598B	8
60				54-121cm POOPLY BRADED SAND (SP)	_ -ω.	53.5cm	
		795	4 5	gray, moist, mod dense sound is for.		FT 598 C	
50				3" barle Frags @ 86,99	<u>-s</u> v,	79.2cm	· (8)
I E.,				trace shells @93	- - - - -	IT5980	,,,,
100				* "-	- '	104.9cm	
E				D7	E	IT598E	
120				121×1320m 61171 (1 AU 1/1)	120	120,5cm	-7//
		45	>95	121-177cm SILTY CLAY (CL) moist, Soft, gray, low-mod. plast.	E	IT596F	
<u> 14</u> 0				black exidation motting	140	146 2cm	/*/
				trace 18 gheen florets (metallis)	T6.()	IT5986	*//
160	590	-		@ 148,155, 167,170 gray silt clasts @ 175	<u>T60</u>	177.0	* 0/
_			1.		L	IT598#	43.60
130				dan gray, moist, mod leuse	T80	193.0cm	- "
[E				down gray, moist, mod leuse sund is fund wy trace multicolored grains	_ 2 ev)		

END OF CORE @ 183 cm Page 1 of 1

Sedi	me	nt (Cor	e Processing Log	1	RANCHO	DR
			vamis	h Station ID: 50599	¥	G QEA SE	
Job No.			02.02		0C	process 140	ou
No. of S			1	Core Logged By: V. Bacher		Mt.	
Drive Le				Attempt #: 1 Type of Core Mudmole Vibra	acore	☐ Diver Core	
Recover % Reco				Swad Diameter of Core (inches) 4			
Notes:				2cm = 85% Core Quality Good Fair	Poor	☐ Disturbed	
/ : 44	_ '			¥5,¥1	1.cm		
Recovered Length (動気	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
		15	গ্	0-52cm: SILT W/ SAND (ML) black, welfsoft to 32 then moist/sl. Stiff non-plastre, sand is Ar-med 1/2" angular gravel @ 8 few shells @ 35		50.2 im	
		80	20	52-102cm: SAND w/ SILT (SM) black, moist, Sl. 1005e, sand is five trace shells @ 60-64 few black wood spinners (small) @ 79-80, 89			
in t ∈ 53				END OF CORE @ 102 cm Core catcher full and logged	Page	eof	

S	Sed	ime	nt (Cor	e Process	ing Log	1	RANCH	
	b:		4 Duv			Station ID: 17600	Y	C, QEA S	
	b No		0067-				:55	processes 6	1545
100		Sectio				Core Logged By: S. STREHL		7	
					125 cm	Attempt #: Y Type of Core	racoro	☐ Diver Core	
					ON BOAT	Type of Core Mudmole Vib	racore	□ Diver Core	
			95.		un = 95.2%	Core Quality Good Fair	Poor	Disturbed	
		TOCK .		11.00					
	Length (ft) \$	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture with A	Classification and Remarks e, Color, Minor Constituent, MAJOR Constituer dditional Constituents, Sheen, Odor)	Recovered (*)	Sample	Summary Sketch
Г			85	15	0-42 cm :	STUTY SAMD (SM)-LOSE,	=		1
ı	H				SAMANTO 7	TO 15 CM , THEN MED. STAFF,	-		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
ı	E l				MANTET D	ARU GRPY, FANT GARACT SAND.	E	IT600	* 1 3
ı	20				(0.023)	1: OPANGE WORDE (BEOTA)	20		1
ı									C 3
L					63	2-37: 60% wood 008AES CAYER	-		100 O
ı	40				PZa	STICUS / ROOTS / FALL MONTS : 2" STICK	40	42.9cm	-South
ı					C 34	2 17202		ysen Ba	400
ı	- 1		5	95	42-119cm	SILT (UIL) - STIFF, MOIST,	-		
ı	-				BLACUES 4	GAEY, FA SAND.			11111
ı	60				୍ ୧	15: woon DEBAIS 1/2" LAYER -	<u>bn</u>		91111
Ļ	-					STICUS / POOTS / FIRE MENTS / REEDS	. 🗕	l l	1.11
)					0.0		' [11:11
ı	80				64	9: REGO 1"	20		11+11
L	10						F.		1111
ı					@92	2-94: DARK GREY FINE-GAMENER	, -		10.11
ı	-					sano lons	\vdash		1117
ı	100						00		11 1 11
L							-		11 11
L	\vdash								
L							E.		1111
ı	120						- 120		· ·
L	- 1	. 19			EN	s of cone@119 cm			
L							-		
L	\vdash						L		
L									
	-						-		
	\vdash								
							_		
	-						-		
							-		
	-								
							F		
1	- 1						-		

Sedimer	nt C	cor	e Processing Log	1	2 ANCHO	JK
Job: AOC4				<u> </u>	GEA SE	
	067-0	2.02	Date/Time: 7/0/2/14/1)	process 1445	
No. of Section Drive Length:	10	700				
Recovery: 5	88,40	cm	on boat Type of Core Mudmole Vibra	core	☐ Diver Core	
% Recovery:				Poor	☐ Disturbed	
Notes: 16 pva	(05)	00	Com = 82.2% Core Quality	1 00.		
Recovered Length 倒 S Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
	20	80	0-43an SILT W/SAND (ML) daulegray, wet, soft, non-plastiz. sand is fin. small brain decomposing wood churlis 2-5. black exidation mothery layers 13-22cm. fin-med gray somepodits 22½24 gray clay clast @ 25 black organiz deborts (leaves/turzs) @ 34-36 43-88cm. SILTY SAND (SM) blackizh gray, wet, med. loose, sand is kn-med. black silt clasts @ 51,57,71 and 86-88 broundh black wood splinters 69-71 ENO OF CORE = 88cm core catcher logged.		17601 36.99cm	

Sediment Cor	e Processing Log	RANCHO	OR
Job: AOC4 Duwamis Job No. 180067-02.03	Date/Time: 7/6/2/ 17/5	process 183	0
No. of Sections: Drive Length: 137.24 Recovery: 126.5 % Recovery: 91% o Notes: 6 pro 245 12	Attempt #: Type of Core Mudmole Vibracore	☐ Diver Core ☐ Disturbed	
Recovered Length (R) Size % Gravel Size % Sand Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Sample	Summary Sketch
95 5	0-121cm POORLY GRADED SAND (SP) brown to 42, then gray, wet, mod dense, saled (s fir-wed. trace 1/2" randed gravel throughout few wood splinters @ 43,85,99 few turgs @ 78 1"x2" black vesicular aggregate @ 70-72 2"x2" bluck vesicular aggregate @ 90-92 Too Too Too Too Too Too Too T	17602 39.9cm	

Sediment Core Processing Log OEA								
Job:	AOC	4 Duw	vamisl	Station ID: TT 603	×			
Job No	. 18	0067-	02.02	Date/Time: 7/10/21 1725		process 1910		
No. of			1_	Core Logged By: 13. Backer		<u>, </u>		
Drive L			7.20			☐ Diver Core		
				on Sout Type of Core Mudmole W Vibra	core	□ Diver Core		
				Diameter of Core (inches)	Poor	☐ Disturbed		
Notes:	10 pr	てくくう	5:12	Ben = 81.7% Core Quality ☑ Good ☐ Fair ☐	1 001			
Recovered Length 🕮 🕃	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (2)	Sample	Summary Sketch	
70		8 U	20	0-58cm: SILTY SAND (SM) gray, wet, mod. loose, sound is fu-med. black exidation mothery 0-12. black organiz debits (turgs/leaves) C 35-36, 45-47, 50 (branch)	- - - 20 - -	IT603	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
<u> </u>					<u> </u>	46.4 cm	سيستبيد	
		45	>95	58-123cm: SILT (ML) blady morst, mod. shiff, non-plash2 thin reeds @ 79,87		*	1	
			tae	END OF CORE@ 123 core catcher full & logged.	- - - - - - - - - - - - - - - - - - -			

Sed	ime	nt (Cor	e Processing Log		ANCHO	JK
Job:		4 Duw		h Station ID: 1 009	7	JUEA -	<u> </u>
Job No		0067-	02.02	Date/Time: 1/0/2 1/0.	30	PMC255 18	UU
No. of S			7	Attempt #:			
Drive L	_		tt .01	The state of the s	core	☐ Diver Core	
Recove % Reco				1)50			
				= 92.9% Core Quality Good Fair	Poor	Disturbed	
	10 4.				1 (14		
Recovered Length (1995)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (\$5)	Sample	Summary Sketch
্র - - -		85	15	1.41cm: POORLY GRADED SAND W SILT (SP-SM) gray, wet, mod dinse, sand is fu-wed wronge oxi, youthing 2-4cm typic rounded 1/2 graved @ 20 trace shell frags @ 22 black silt clasts 39-41 trace brown wood clumbs @ 15	<u></u> 0 0 	17604A	3000
40					-40	41.5cm	0.0
- - - - -		30	TO TO	41-198cm: SILT W/SAND (ML) down gray, morst, mod stiff, non-plastiz sand is fu-med. gray sand lenses, trace prote/ nulticolored @ 25, 12, 43, 44,		17604B 69.4cm	A.
1 80 1 1 1				50-87, 101-103, 172 small from wood churches @ 48,		17604C 97.3cm	
				68,74,101,177 few migs @ 58 trace H2S-1. he oder 70-98 2 126-152 black oxidation striations @ 126,155,164	100 - - - - - - - - - - - - - - - - - -	17604 D 125.2cm	
_ <u>140</u> _ _				black organiz debris (turgs/leaves)	 <u> 14</u> 0 	17604E 1531cm	
1 <u>10</u>				piece of glass e 46	160	iT604F	1.11
- 750 -				>	- 750 -	181cm 17604G	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
					F	iasam	1 2
					-200	1-10-111	100
200				END OF CORE@ 198cm	Page	e \ of	

Job No. 180067-0202 Vo. of Sections: John No. 180067-0202 Date/Time: 71-72-21 17:20 process 1520 Core Logged By: 3. Backus Attempt # Recovery: 40.2 cm on weath Recovery: 40.2 cm on weath Recovery: 41.5 cm 231.5 % Core Quality & Good Fair Poor Disturbed Classification and Remarks Out of Sections: Core Logged By: 3. Backus Attempt # Type of Core Mudmole Vibracore Diver Core Diameter of Core (inches) 47 Notes: Te process: 74.5 cm 231.5 % Core Quality & Good Fair Poor Disturbed Classification and Remarks With Additional Constituent, MAJOR Constituent, Major Constituent, Sheen, Odor) Out of Sections: Out of Sectio	Sediment (Cor	Processing Log	1	ANCHO	
No. of Sections: Orive Length: 91.4 cm Sections Core Logged By: S. Backer Attempt # Type of Core Mudmole Withracore Diver Core Type of Core Mudmole Withracore Diver Core Diameter of Core (Inches) Withracore Disturbed Diameter of Core (Inches) Withracore Disturbed D			Station ID: 17605	×	J UEA 22	<u> </u>
Attempt# Type of Core Mudmole Vibracore Diver Core Type of Core Mudmole Type of Core Diver Core Type of Core Mudmole Vibracore Diver Core Type of Core Mudmole Vibracore Door Door Type of Core Diver Core Diver Core Type of Core Type of Core Door Door Door Type of Core Door Door Door Door Door Type of Core Door Door Door Door Door Type of Core Type of Core Door Door Door Door Type of Core Door Door Door Door Door Door Type of Core Door Doo	Job No. 180067-0	02.02		Pr	viess 1820	
Type of Core Mudmole Vibracore Diver Core Recovery: 53.3%		1				
Diameter of Core (inches) 4" Notes: To prove 53.3% as bord Notes:			0.77	core	☐ Diver Core	
Notes: To process: 74.5cm = \$1.5% Core Quality						
To 30 70 O-47cm: POBLY GRADET) SAND W/GRAVEL (SP-GP) brownesh gray wet, losse Sand is fn-med, gravel to 10 14 and nighbor few reeds e 14 17-74.5cm: SILT W/SAND (ML) gray; moist, SI-Stiff, non-plastic sand is fn. gray sand palets @ 56,64 2 x2" angular gravel @ 52 1" wood churle & trace shells C72 END OF CORE @ 74.5cm 80				Poor	☐ Disturbed	
30 70 O-47cm: POBRLY GRADET) SAND W/GRAVEL (SP-GP) brownesh gray wet, losse Sanct is fin-med, gravel to 14 and migular few reeds e 14 17-74.5cm: SILT W/SAND (ML) gray, moist, st. stiff, non-plastre sand is fin. gray sand paliets @ 56,64 2 x2" angular gravel @ 52 1" wood churle & trace shells C72 END OF CORE C 74.5 cm 80	()00 =			cin		
To 30 70 O-47cm: POBLY GRADET) SAND W/GRAVEL (SP-GP) brownesh gray wet, losse Sand is fn-med, gravel to 10 14 and nighbor few reeds e 14 17-74.5cm: SILT W/SAND (ML) gray; moist, SI-Stiff, non-plastic sand is fn. gray sand palets @ 56,64 2 x2" angular gravel @ 52 1" wood churle & trace shells C72 END OF CORE @ 74.5cm 80	Recovered Length (1995) ize % Grave Size % Sand	%	Classification and Remarks Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
Cove catcher full to loged	30 70 1111円111円111円111円111円111円111円111円111円1	Size	6-47-Com. PODELY GRADED SAND W/GRAVEL (SP-GP) brownish gray, wet, losse Sand is fu-med, gravel to 1" and migular few reeds @ 14 47-74.5cm. SILT W/SAND (ML) gray, moist, si-shift, non-plastre sand is fu. gray sand podets @ 56,64 2x2" angular gravel @ 52 1"wood church & trace shells @72	- 10 - 20 - 30 - 40 - 70	IT605	INS O CONTROL OF THE PARTY OF T
				7/1/		
Page of	100,			Page	e of	

Sediment Cor	e Processing Log	V	R ANCHO	DR
Job: AOC4 Duwamis Job No. 180067-02.02	Station ID: 1 T 60 6 Date/Time: 7/7/2021 17:00	nv	ocess 1840	
Job No. 180067-02.02 No. of Sections:	Core Logged By: N. Bacher	1		
Drive Length: 121.9c	Attempt #: 2	core	☐ Diver Core	
Recovery: 115.8 cm % Recovery: 95% on	- W 90.00 13P0	COIC		
Notes: To process: 113	Scm -93.1 % Core Quality Good Fair	Poor	Disturbed	
Recovered Length (E) Size % Gravel Size % Sand Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (19-5)	Sample	Summary Sketch
S S S S S S S S S S	6-11cm: POORLY GRADED SAND WISHT (SP-SM) gray, wet, loose, up orange oxi mothling. 2" angular gravel et 29. Sand is furmed. 11-113.5cm SILTY CLAY (CL) gray, worst, mod. Shift, moderate plustraty orange brum turp leaves e 38,52,59.60, 72-73 black oxidation mothling spets with sand e 33,56,74		IT606	
T Luo	END OF CORE@ 113.5 cm Core catcher full and logged	⊢ ⊢ ∏u) Page	of1	

Sediment Core Processing Log									
Job:	AOC	4 Duw	vamis	h Station ID: 5000 T	×	J QEA			
Job No		0067-		Date/Time: + 9 2 1 40 Core Logged By: Backer	9_	process 1600			
No. of Drive L			2 .0ft	Attempt #:					
Recove				Type of Core Mudmole Vibrae	core	☐ Diver Core			
% Rec	overy:	92.	9%	on book Diameter of Core (inches) 4	Poor	Disturbed			
Notes:	100	めしさら	5: 6.	3 F+ = 90% Core Quality 🗵 Good 🗆 Fair 🗋		□ Disturbed			
Recovered Length (ట్రైక్డ	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch		
30		4 5	>95	0-192cm: 51LT (ML) olive gray to 8 then black, wet, soft non-plastiz few 1/4" gravels e 0-5 grades worst, soft @ 32	- - - - <u>3</u> 0	SC607A	B 24		
_ 					- <u>6</u> 0	56.5cm			
_ _ 10		*		Fairet gray 5.1.9 5 C. 48,66	 - 90	50607B			
\				few than 15" wood splanters @ 115	_ _ 	SCLOPC	4 4 4		
120					<u>-</u>	137.5em			
15%				grades dry, stiff @ 135	- 150				
				11 massive "					
<u>T30</u>				3 .	<u>τ8</u> υ	a			
_ Zio				END OF CORE @ 192am	- <u>Z</u> U				
_				14	-				
					E				
					E				
F					E				
					├				
\ -					F				
í F					H				
-			1						

Page___of__

Sed	ime	ent (Cor	e Processing Log	1	RANCHO	JR	
Job:		4 Duv		The National Control of the Control	V	GEA SE	\approx $ $	
Job No		0067-			9	process 081	5	
No. of	Section	ns:	7	Core Logged By: N. Blicher	7			
Drive L	ength	: 7	-0 Fi					
Recove	ery:	6.6		Type of Core Mudmole Vibra	core	□ Diver Core		
% Reco				Diameter of Core (inches) 4"	_			
Notes:	To pr	OLE S	5 6	2 € + = 9\$ 64 Core Quality ☑ Good ☐ Fair ☐	Poor	☐ Disturbed		
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (3)	Sample	Summary Sketch	
				O-1Bem WELL GRADED SAND (SW)			0 10	
-		- 2-	-	brownsh gray, most, med loose	-	13	~	
		95	5	sand fn-cr			12	
20				3" word spirates e 7,16	20	IT608A	o	
				3 5000 3/100/03/2	-	210001	AU	
				orange oxidection statues y sound w			A A	
40				augules gravels up to 2 gill clust	40	(1	011	PL
190				Fran 23-43/ @8-18		42.5cm		· A
				43-173cm: SILT (IML) Olive gray,	Γ΄			J.
				STEP (OTE) OTTO GROUP	-	IT608B		10
60		5	95	moist, 31. SNIF , non-plushz	60	010000	- white	10
				black organiz dels vis (leaves/twiss/	L	001.		
) - 1				veed's)	- .	69.1cm	1111	
í El				@ 60,99,102	E			
30				,	<u>_8</u> 1	IT 608C	11111	
-5				gray M. sand class @ 49-50, 115,	-			
				119		95.7cm		
TW				crange exidation striked for-med	100	13,10,1	Talka	
100				crange ox autra strived			where	
	1			sand class @ 129-132,137, 149-151,		IT608D		
-				165	-			
1720					120	122.3cm	0	
				1 "	_	100,00	1	
-		8			-		1111	
					E.,	IT608E	00	
740					740		1111	
-					-	- 1489cm	11 11	
							-6-	
17-0					160	IT608F		
160					100	21000		
						122		
				122 16 8	=	173cm		
150				133-190 cm, POURLY GRADED SAMO (SP)	T 80	TTIMO	- 6	
				mast und dense, gray		IT608G	2 10 A	
<i>)</i>			-	w/ multi-colored drawns	-	190000	0 1	
541)				worst, und donse, gray w/ multi-colored grains sand is fu-med:	ser	- wen		
720		JLI	0					i

END OF CORE @ 190cm Page of

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	
Job:	AOC-	4 Duw	/amis	h Station ID: IT 669	×	QEA SE	
Job No		0067-				process ison	2
No. of S			2.	Core Logged By: 1 Bacher Attempt #: 3			
Drive Le Recove			oft	The second secon	core	☐ Diver Core	
				Diameter of Core (inches)			
				9 Ft = 69.8% Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed	
Recovered Length (数 S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (数字	Sample	Summary Sketch
70		10	90	0-83cm: SILT W/SAND (ML) gray, wet/soft to 11 then morst, sond is slisher, non-plastrz furnange oxidation mothing to 11	_ _ _2v	TT609A	0 - 1
				3/4" subr. gravel @ 6	=	31.4cm	-11 (1)
40				gray fu-med sand pochets @ 25,37 few black wood splanters e 29	<u>-</u> 40	IT609B	
				black organic debots (leaves/turgs) @ 33, 71-72, 76	Ξ,	52.3cm	1.1
<u> </u>				1/4" orange wood churche @ 78	<u>-</u> 60	IT609C	Human Human
50					<u> </u>	83cm	Alal
				83-149cm. POORLY GRAVED SAND (SP)	_	ITGOID	6 7 4
Top				brown, most mod loose, sand is furmed.	700	103.9cm	, (D)
ΙE				black silt clast @ 108	=	IT609E	, ,
120				sand is med-cr 119-131	720	124.8cm	0 ,
				J00 25 C 3	Ē	IT609P	, ,
740					<u>14</u> 0	149cm	
					F		
TEO				END OF LORE @ 149	T60		
				25 cm void in core barrel	F		
				@129-154 cm. Material	Fas		
T50				slipped during cone retrieval	<u>18</u> 0		
				Log above is corrected for the void.	E		

Sea	lime	ent (Cor	e Processing Log	•	2 ANCHO	OR
Job:		4 Duv		86/10	Y	GEA SE	\approx
Job No		0067-		Date/Time: 7/9/2/	1030	process 121	5
No. of			L	Core Logged By: N. Backer			
Drive I					Vibracore	☐ Diver Core	
% Recov					VIDIACOIE	□ Diver core	
Notes:	To s	2000	5 90	Diameter of Core (inches) 9 Core Quality Good Fair	Poor	Disturbed	
	P	1,000	, ,,,		Law		
Recovered Length 独 多	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Consti with Additional Constituents, Sheen, Odor)	Recovered Length (#)	Sample	Summary Sketch
		45	795	0-88.5cm: SILT (ML) black, wet/so to 44 then morst/sise non-plastiz. sand is fn-v.fn faint gray clay clasts @ 27,40,80 END OF CORE @ 88.5cm Cove catcher empty	1 - 2e	SC610 49.8cm	

Sediment Cor	e Processing Log	1	ANCHO	OR
Job: AOC4 Duwami Job No. 180067-02.0: No. of Sections: \ Orive Length: \(\theta_1.0 \cdot\) Recovery: \(\frac{1.0}{56.9}\)	core	Diver Core	50	
% Recovery: 93% or Notes: 6 process: 5		Poor	Disturbed	
Recovered Length (1) Size % Gravel Size % Sand Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch
1 30 70 718 1 30 70 718	40-52cm POORLY GRADED GRAVEZ W/SAND 15 fn-med, gravel up to 25" and rounded. 40-52cm POORLY GRADED GRAVEZ W/SAND (GP-SP) brown, losse, wet, sand is fn-med, gravel up to 1.5" and rounded END OF CORE C52cm Cove catcher full and logged.	- -20 - - -30 - - -	ITCell 38.4cm	

Page____of ________

Sediment Core Processing Log								
Job:	AOC	4 Duv	vamis		~	G QEA SE		
Job No		0067-	02.02		15	process	50	
No. of S Drive L			G s.					
				Type of Core Mudmole Vibra	core	☐ Diver Core		
				bout N Diameter of Core (inches) 4"				
Notes:	top	nces	5.1	3cm = 1 Core Quality Good Fair	Poor	Disturbed		
Recovered Length 倒え	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (画) 字	Sample	Summary Sketch	
\Box					F		55: :	
l -				SILT (ML) black, wel/soft to 20 then worst, SI. soft, non-plastiz.	E			
		25	>95	few roots freeds and fu sand	<u>-20</u>			
20		ĺ	''	04.		SC612	0	
ΙF				0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	JC 6101		
				faint gray clay dusts @ 11,26, 59,71	F40			
40				J .(.	H-10			
				fu-med gray sand podets w/ pyrite fiecs @ 65,74	F	55.6 cm	Vill	
-				fu-med gray some for Ty	-	33,000		
600				banks tises as as 1, 1	60			
=					F		$II I_1 I_2$	
					F			
60					50		(
				one 1/3" shoen floret (peacock) @ 96	F	_	*	
-				one 14 some in a	E			
170					100			
100								
					-		-	
				END OF CORE @ 113cm	L,,			
120				core catcher empty.	720			
				Cove euros.	F			
l E					<u>L</u> .			
140					140			
-					E			
					-			
ΙF					-			
					F	Į.		
ΙF						n 5		
					F			
_					E			

Page____of ____

Se	dime	ent (Cor	e Processing Log	1	RANCHO)R
Job:		4 Duv			X	UEA S	ご
Job N		0067-		Date/Time: 7/6/2021 11:35	5	acess 1310	
	f Section		1	Core Logged By: N. Bacher	1		
	Length		5.80		core	☐ Diver Core	
				01. 00.00	COIE	LI DIVELOUE	
Note:	covery:	000	55 . N	Diameter of Core (inches) 4 Core Quality Good Fair	Poor	Disturbed	
		1000	,, .,	97.5	المداد		
Recovered Length TES	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
		45	795	0-97.5cm: SILT (ML) blade, wet/soft to 18, then word / s1. soft Non-plastre. sand is for. faint gray clay clast @ 32 few wood spiritures @ 36,87 lense of med-cr sand gray of multicolored grang @ 68 END of core @ 97.5 cm Core catcher full and logged		SC614 505cm	

Sediment Core Processing Log	NCHOR
Job: AOC4 Duwamish Station ID: 17615	EA TO
Job No. 180067-02.02 Date/Time: 7/7/2021 14:51 2006655	1545
No. of Sections: Core Logged By: N. Bacher	
Drive Length: 4.4 ft Attempt #: 1	iver Core
Necovery. The FF Dat Street	iver Core
70 1 (000 10 1) .	isturbed
Notes: To precess: 3.4 ft = 77.5% Core Quality Good Fair Poor D	
Classification and Remarks Size Sund Sund Sund Sund Sund Sund Sund Sund	Sample Summary Sketch
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	- B C
E Sand is The - Ci.	615A 0.00
sand is vita.	66B 1
black oxidatron mottly 20-22 Fro	io15 C
gray fn. sand leuses @ 50 50	49cm
	140
	1
Few 4'x 1" wood spinuters = 90 - 97	
	1,1
FID OF CORE @ 104 cm Boss 1 o	

ENR

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	OR
Job:			vamis		¥	QEA S	625
Job No. of			02.02 1	Date/Time: 7/7/31 /S	540	process	025
Drive L			5 Ft	Attempt #:			
Recove				Type of Core Mudmole Vibra Diameter of Core (inches)	acore	☐ Diver Core	
				Diameter of Core (inches) Tore Quality Good Fair	Poor	Disturbed	
0			_				-
B.€	Gravel	Sand	Fines	Classification and Remarks	Recovered Length (ft)	<u>e</u>	Summary Sketch
Recovered Length (N	%	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	sugt	Sample	Sket
Re Le	Size	Size	Size	With Additional Constituents, Check, Section	% 3	.,	σ
H				0-27cm WELLGRADED SAND W/GRAVEL	_		0.
=				(SW-GW) brown, morst, med. loose, sand is fu-cr. Gravel up to 15" and rounded			00
Fe	20	80		loose, sand is fir-cr.	-10		0.0
				Gravel up to 15 and rounded	-	IT617A	0
-						_,,,	0 ,
70					-20		- 6
					_		0 0
=				to the		27cm	0 .
36				22 Storm CUT/W) Hack do struy	<u>-30</u>	IT6173	III
		 ر	>15	14- 10 con SILI (MC) buch story	F	74	
) -		45	70	27-86 cm SILT (MC) blackish gray, moist, mod stiff, non-pastrz black exidatron mothery 27-30	<u>_</u>	35.lcm	+
40				Trace shell frays @ 39	-40		ر ر
				Trace,			$\ \ \ \ $
				gray clay clasts @ 47,59		T-1110	
50			9		50	IT617 C	
				2.5"x1" 2 3/4" flat shale pieces	F		
				(F		111
60					60	62.1cm	0
					F	62.100	111,
ΙĿ					E		17.
70				1 75 81	70		44
				gray sand podiets @ 75,87	F		
					F		0
80					50		
					F		0
					上		11
વહ		a=	45	86-107cm POORLY GRADED SAND (SP)	90		100
ſĘ		95	()	blackersh gray, moist, mod. dense, sand is for meed	_		r.k
1 E				dense, Sand is the meet			11:
1,00					1700		6
100	-, -			END OF CORE @ 107am	Page	e \ of	1
E	EN	K			9		

Sed	ime	nt (Cor	e Processing Log	1	R ANCHO	OR
Job:		4 Duv			×	OVOLESS 1720	
Job No		0067-	02.02	Date/Time: 7/7/2021 16:20 Core Logged By: N. Backer	,	0000000 1700	
No. of S Drive L			6 F	00:0 =0990= -/.			
Recove	ery:	3.8	ft o	n boat Type of Core Mudmole, Vibra	core	☐ Diver Core	
% Reco	overy:	52.0	oh o	on boat Diameter of Core (inches) 4	Poor	Disturbed	
Notes:	10 p	VUCES	iS : 3.	7++ = 749% Core Quality ☑ Good ☐ Fair ☐	FOOI		
Recovered Length (敏) 字	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (色) 写	Sample	Summary Sketch
11121118	30	70		0-23cm WELLGRADED SAND WARAVEL (SW-GW) brown, wel, loose, 3 ound is fu-cr. graved to 15' and rounded. 0-5cm has interstitial olive gray silt in matrix, trace voots.	1 1 20	IT618A 23cm	=00,00
		4 5	>95	23-50cm: SILT (M) black, morst, mod. shiff, non-plastre	; <u>3</u> 0 	IT618B 35.9cm	
				1" wood splinters @ 45-48	4	I7618C	
		95	5	50-112cm POORLY GRADED SAND(SP) gray, morst, med dense sand is fu-mal 2" wood churce 56	<u>-60</u>	58.9m	
- 50 -				black silt lenses @ 69-70, 73-74,95-96,9899	- -70 - -		11111
					- 900		, f o
- 100 - 100					E		tun
E		2		END OF CORE @ 112cm	Page	eof	

Sedi	ime	nt (Cor	e Proces	sina Loa	V-21 (A.S.)	4	& ANCHO	
			vamis		Station ID:	SC 1020	Y	QEA S	\approx
Job No.			02.02		Date/Time:	7/15/21 10/9	5 /	PROCESSED 122	0
No. of S					Core Logged By:	S. STREHL	<u>-</u>		
				121.9 cm	Attempt #: /	Mudmole Z Vibra	2000	☐ Diver Core	
Recove					Type of Core Diameter of Core		COIE	Diver core	
% Reco						M Good □ Fair □	Poor	Disturbed	
	100-47	.67	143	1773.7			Ia		
CM	Gravel	Sand	Fines		Ol ifficition and D		Ou De E	. σ	ا ڇ ڇ
Recovered Length (m)	5	% Sa	ij	(Density Moistur	Classification and R	uent, MAJOR Constituent	Recovered (Length (N)	Sample	Summary Sketch
eug	%			with /	Additional Constituents	, Sheen, Odor)	Sec	Sa	Sur S
ا دِ ۾ ا	Size	Size	Size				L _		
F		lo	90	0-115cm:	SILT WERT SI	AND (ML):	-		
					T, BLACKISH GR		F		
				, ·		•	70		
70				•	1,70: SHELL FA		F	SC 620	
				_	2.5" word CH	2	E	or mary	70
						HECS: NOOTS / TWEAS	40		1 1
40				(⊘ 33 : ≠	nthet bevalue :	SHELL	70		1.1
							-	56.6cm	toda
=							E :	76,000	#1" i
60							60		1
! ⊢				@ 77-89	1: Grey F-mes	(PATINES SAMS LENS)	E		9 1
2 E I					·	(4)	-		1 1
90							80		रहां है
				6 89.	GRADES TO ME	10 31 AT	-		
-									ارانا
							100		1
Loro							100		$\mathbb{N} \cap \mathbb{N}$
							-		
				رع	m of conf @	115 cm			
120				1			150		1 1
							-		
							-		
							\vdash		
							-		
-							L		
							—	}	
5 F							L		
1 E							\vdash		
	1	I	1	I			⊢	1	

Sed	ime	nt (Cor	e Processing Log	1	RANCHO	
Job:		4 Duv		sh Station ID: 17 621	7	QEA SE	
Job No		0067-	02.02	Date/Time: 8/2/221 15:13 Core Logged By: S. Structu	1 71	wiessen@ 160c	2)
rive L			- ~	Attempt #: lo		Diver Core	
				Type of Core Mudmole Vibra UN BOAT Diameter of Core (inches) 9	core	☐ Diver Core	
				Core Quality Good Fair	Poor	Disturbed	
Recovered Length (N) S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered CLength (11) \$	Sample	Summary Sketch
F		5	95	0-28cm: STUT (me) - VERY SOFT, WET	-		-
				to loca, THON SOFT, SATINTES, BLACKESH	=	IT621A	11,44
20				GRAY, FINE GRAFACO SAMO, ORUANICS - PUOTS	20	34,0	
					_	35.9cm	
		95	5	28-170: POURLY GRADES SAM (Sp)-	_	750 1000	
402				LOUSE, MOIST, DARK GREY, FINE to	40	1.0.0	
				MESTIM MULTICOLUROS GRAFINS.		(T621B	
F					E	59.8cm	
60				COARSE SAND, NO SECT	<u>000</u>	7,000	- 15 - 15
\ E				7,00 3,00	=	(T621C	
rE					-		• ;
80		100	×		80	83.7cm	
		,,,,	′	*		_	
					Loo	(T621D	3 1 35
100						107.6cm	
_					E		
120					70	17621E	
				IT1621651 - indudes Ainterval	_		0
				1-121652 - includes B-G intervals	Ε.	(31.5cm	
140				through	Wo	17621F	
					E	155,4cm	
<u>-</u> المعلد				@160-170: Fine to coasse arither	160	1T621G	0, ,
				SAND, MUSTY M- COARSE.	=	170cm	0.0
-				P120 - 640 -			
186				C170 am END OF CORE	180		
) [F		-

Sediment Core Processing Log	22 V	R ANCHO	
Job: AOC4 Duwamish Station ID: Date/Time: 714 2	0729		
No. of Sections: 2 Core Logged By: 5 577			
Śrive Length: 7.0 Attempt #: 2	1970		
Recovery: 5-7 ON COAT Type of Core Mudn		☐ Diver Core	
% Recovery: \$1.4 on Rook Diameter of Core (inches) Notes: \$\text{Pressen: 4.8PT = 68.6 }? Core Quality \(\text{X} \) Good	y '' I □ Fair □ Poor	☐ Disturbed	
Notes: processen: 4.8 PT = 68.6 ?, Core Quality X Good			
Classification and Remarks Classification and Remarks Classification and Remarks (Density, Moisture, Color, Minor Constituent, MA with Additional Constituents, Sheen,	JOR Constituent, Cecovered (*)	Sample	Summary Sketch
TRACE ORGANICS: POOTS 1018: @ 6 129: PERCOCK SHEEN FI	, Fa sano, = 10	ITC22/4	* 1 9
Five sub @ 16,29: PEACOCK SHEEN FI Counded @ 20,25,31: WOOD SHREDS by 40 @ 29: FIRER GLASS FRAGMENT		36 cm	
@ 29: WOOD STICH UP TO 4	<u>*</u> / E	ITULB	
60 x 95 5 36-146 cm : POORLY GRADEN SAMO MEN-DENSE, MOIST, BROWNISH DARK	II-6 I	56.6cm	
TO MED MULTICOLOR PREM GRAFIUS	, GRADES	ITLUC	* /
MONE MED GRAFINS WITH DEPT	u -	77.2 cm	()
80 Quille Alson	<u>%</u>		6. 2
	=	ITGUD	ت ا
1 - 1 1 1 1		97.8 cm	
@ III-116: Voto, Closes + Luq	(ED)	118 6	- 1
@ 116: GEARDES to LOUSE	a E	IT621E	
		1/8.4 cm	
120	120		
	E	DTLZZF	
@145: wood CHIP UP to 2"	<u>[40</u>	146 cm	
GAND OF CONE AT 146 C	M		
	F		
	180	F.	
150 S	1.50		
) E	F		
1 -	E		

Sed	ime	nt (Cor	e Processing Log	1	RANCHO	DR
Job:	AOC	4 Duw	vamis		×	G QEA SE	
Job No		0067-	02.02		5	process 1220	
No. of			1	Core Logged By: N. Bacher		***	
Drive L					core	☐ Diver Core	
				Diameter of Core (inches) 4"	0010		
				Core Quality M Good Fair	Poor	Disturbed	
	1_			10:41	274		
Recovered Length 色 い	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (19) S	Sample	Summary Sketch
		4 5	>95	0-88:5 cm. SILT (ML) black, wet/v.soft to 18 then moist/soft gray wed-cr sand pochets Ell & 19	- - - - - -	SCUZZ	
- 단 - - -				gray for sand pochels @ 46,5% few shell frugs 51,69	_ 40 - &0 	45.8cm	
							-{
				END OF CORT @ 88.5cm cove catcher empty	720	24	
					E		

Sed	Sediment Core Processing Log								
Job:		4 Duv		h Station ID: T624	Y	GEA SE			
Job No.		0067-		Date/Time: 4/7/702/ 17:02	Ţ	process 1800			
No. of S				Core Logged By: N Bacher					
Drive L				Attempt #: \ Type of Core Mudmole Vibra	0010	☐ Diver Core			
					COLE	□ Diver core			
				on boot Diameter of Core (inches) 9 th .5 ft = 75.6 th Core Quality ☐ Good ☐ Fair ☐	Poor	Disturbed			
Notes.	10) i oce	20.0	15 th - 15 to colo addity	_				
Recovered Length (数分	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (₩ 5	Sample	Summary Sketch		
	30	70		0-26 cm. WELL GRADED SAND WARAVEL (SW-GW) brown, wet, loose Sand is fu-cr, gravel is up to 1.54 vounded.	io	IT6244	0.0.0.0		
				76-950 SUT/MILL + 1121	= -30	26 cm IT624B	0,		
<u>3</u> 0		45	>95	51. Stiff, non-plastiz	Ē.	17624B 34cm			
40				St. Stiff, non-plastre st. Hzs oder story of angular glass shards up to. 34 @ 27-28, 46-48, 52-60	<u>-40</u>		1		
570				wood spinters @ 38,41,47, 58-60,79	<u>-50</u>	IT624C			
				2" barle frags @ 67-68	Ē	60cm	400		
60					<u>-6</u> 0.	60CM			
70					70		1		
							AA		
<u>80</u>					<u>-80</u> - -				
- 30					90				
		> 95	15	95-166 an: POCKLY GRADED SAND (SP) gray moist, mod. dense, sand is Furnes	(Link		*0.5		
108	W		-	END OF CORE @ 106 cm	Dog	e of	4 3 C 5		
E	N	R			Page	= <u>-</u>			

	Job: A Job No. No. of So Drive Le Recover % Recover	AOC- 180 ectio ength y: very:	4 Duw 0067-0 ns: : 4.3	9 f+	Station ID: 17020 1833 Date/Time: 7777 144 Core Logged By: N. Bacher Attempt #: 75 Type of Core DM Mudmole Vibra Diameter of Core (inches) 4" Core Quality Good Fair	core	Diver Core	~
	Recovered Length 图 字	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (本) 字	Sample	Summary Sketch
	- - - - - - - - - - - - - - - - - - -	3 0	70		0-23cm: WELL GRADED SAND WGRAVEZ (SW-GW) brown, wet, loose, sand is fu-cr, graved to 115" and rounded.		IT626A	0,
0			4 5	>95	230-102cm SILT (ML) black, mo 134, mod stiff, non-plastic large (2") wood clumbs @ 33,35, 49,66,72 gray clay clasts @ 27,29	30 	IT626B 32,2 cm	
					trace shells 72-73	SU 16 1 10 1 10 1 10 10 10 10 10 10 10 10 10	55.2 cm	4 14
EN	R 107		39 5	45	102-107cm. POORLY GRADED SAND (SP) gray, moist, mod dense, sand is fu-med. END OF CORE C 107cm	Page	eof	2,70

Sed	ime	nt (Cor	e Processi	ing Log	1	ANCHO	DR
Job:		4 Duw			Station ID: T627	×	GEA SE	
Job No		0067-	02.02		Date/Time: 7/8/2021 15:05 Core Logged By: N. Bacher	P.	rocess 1640	
No. of S Drive L			1.90		Attempt #:			
Recove	ery: 1	158	com	on boat	Type of Core Mudmole Vibrac	core	☐ Diver Core	
% Reco	overy:	95%	ill		Diameter of Core (inches) 4 ⁴⁴ Core Quality ☑ Good ☐ Fair ☐	Poor	☐ Disturbed	
	10 p 1	<u>UCC55</u>	- (()	704-104	core quanty			
Recovered Length 幽§	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture, with Add		Recovered Length	Sample	Summary
	Siz	7.0 10	is &	15% up to	POORLY GRADEN SAND (SP) brown, med soft to 11 then more, st. soft, sand is furned. black oxidation standing e12 age oxidation mothery 11-22 374" runded gravel 22-28 POORLY GRADEN SAND (SP) brown, moist, mod. donse gand is furned	- 20 - 40 - 60	IT627	0.0
120 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					catcher empty	120 		

Page____of ____

Sed	ime	nt (Cor	e Process		1	C QEA		
Job:	_	4 Duv			Station ID: 50626	100.0	ESS CO 1405		
Job No No. of		0067-	02.02		Date/Time: 7/21/2021 11:16 Core Logged By: S. STEFFF	proc	63263 1703		
-			r= 1°	37.2 cm	Attempt #: /				
Recove	ery: 4	.3 FT	6N	BOAT	Type of Core Mudmole Vibr	acore	☐ Diver Core		
% Reco				ON SOAT	Diameter of Core (inches) 4 Core Quality Good Fair	Poor	Disturbed	_	
Notes:	proce	7587	(35	cm = 98.4 %	Core Quality La Good La Fair L] [00]	Disturbed		
Recovered Length (N) §	Size % Gravel	Size % Sand	Size % Fines	with A	Classification and Remarks e, Color, Minor Constituent, MAJOR Constituen Additional Constituents, Sheen, Odor)	Recovered C. Length (R)	Sample	Summary Sketch	
-		5	95	0-135 cm:	STUT (ML) - SOFT, SATURATES	-			_
			' ´	+0 40 cm ,7	HON MEN. BULLION STEFF, MORST,			微 点	87.3
20					GPOI FANE GRAZINED SAM.	20		LLIII	116.0
					41-45, 79-81,121-123: GRAY Fave to	_		1111	
				Menn	on Gramer sano(sp) lenses	-			
					, 59, 74, 100 : ORGANICS - ROOTS	<u> </u>		juy	
पृ०				,	() () () () () () () () ()	40	Carsan	د ها - الما	
						F	SC628A	11111	
<u> </u>									
60				B4: 1/2	F-Men, GALGOUS SHAM (Sp) (LAST	60		3011	
-				0011 14	F-Men, 41-monors sound (Sp) COAST	-		III I	
) E I								14	
80				A 91 100	: 1.54 wood Fraament	80			
				281,100	11) Wood Handrew		87,3cm	1111	
-						-			
						100	S(628B	1111	
100								1111	
								11111	
							116.8cm	.1111	
120						120		E-2-3-30	
								1111	
						-			l)
140				ENS	of cone @ 135 cm	140			7
						-			
						F			
									F
-									
_									
) E I									
[F						-			

Page ____ of ____

Sediffert Core Processing Log	NCHC)R
Job: AOC4 Duwamish Station ID: SC 629	LA Z	
Job No. 180067-02.02 Date/Time: 6/30/21 collect 1100 process	1310	
No. of Sections: 3 Core Logged By: N. Bucher		
Percovery: 13.03.09.204 Type of Core Mudmole Vibracore D	Diver Core	
Recovery: 13.0 on bo4 Type of Core Mudmole MVibracore Diameter of Core (inches) 4"	olvei Oole	
	Disturbed	-
	785	
		>_
Classification and Remarks Superscript Su	Sample	mal
0 5 0 0 0 0 0 0 0 0	Sar	Summary Sketch
with Additional Constituents, Sheen, Odor)		0)
		125
5 95 0-94 cm: SILT (ML), wet soft darke - gray, mon-plastic		1.1
gray, vaou-plastic	29A	THE
dive gray, mod dense silty sand 30	ativ	1
olive gray, mod dense, silty sand 30 SCC lenses. 80/20. sand is fr. 4	0.5cm	-it
1 - 1 - 1		CARD
3×1" decomposing bate fragment 60	1	4
3×1 accumposing som	200	11
	029B	' (
		11
$ \underline{a}_{0} \underline{a}_{0} $	4.4cm	THE
		-(' ,
15 95 94-170cm. SILT (ML), Moist, SI Soft, SCG dowle gray, non-plastic 120	29C	. [1
dowle gray, non-plastic 120		()
	11.3cm	e (
E SC	629D	{ ('
	8.2cm	-/ L
[50]		اما
	029E	
	5.1cm	11
		1
$\Gamma = 1$	6294	Her
dark gray, non-plastic	2.0cm	234447
all some	5-80 /0 7	
Tio School 210 SCI	6296	
1 1 1 1 1 1 1 1 1 1	18.9cm	
		Lung
hack graciniz debris, (tv195, 740) SC	029++	1
1	C 00-	1 /20
2" piece of bare e 199	5.8cm	- 4
1 Laconsologia brounds 0,29 Laconsologia	20 T	11
3" piece of decomposing brounds e 291 270 SCL	0001	Anny
" gray silt clast @ 301	82.7cm	1
[F]		HAM
<u> </u>		× 1 1
· · · · · · · · · · · · · · · · · · ·	^	

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR
Job:		4 Duw			¥	G QEA #	~
Job No. of S		0067-					77
Orive L			SE				
Recove				Type of Core Mudmole Vibra	асоге	□ Diver Core	
% Reco	overy:		,	Diameter of Core (inches)	Poor	Disturbed	
Notes:				Core Quality Good Fair	1 001	Disturbed	
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch
<u>3</u> w					300	SC629 7	()
		95	5	310-369: POORLY GRADED SAND (SP), dry, mod dense, brownish gray w/ multi-colored grams, sand is formally truce shells	Fí	2.4	(II)
330		כוי)	dry mod dense, brownshipay	<u>33</u> 0	SC629K	£ 2.
				r-med sand istalled Truce she le	H.	339.6cm	C 60
				Gray silt clasts@ 319.325 W	F		E con
360				d'ecomposing wood trags.	360	SC629L	, ,
				Coray Silt clastice 349-353		OCGAJE	Aur.
		110	5	369-383. POURLY GRADED SAND (SP), dry, mod danse brownish gray up multi colored grams sand is med-fn.		383 cm	
310		95)	dry, mod donse browning	340	7	
1 2				gray of multi color co			
) F				Olive gray silt lens @ 375			
1 =				Olive gray SITF leas Co	-		
				\			
-				END OF CORE @ 383cm	<u> </u>		
				2130 31 3	F		
-							
E					-		8
					F		
_					_		
				±	F		
-					E		
[_			Œ		_		
-					E		
					-		
				¥	F		
				w	-		
\					E		
₹ E I					F		
	l		I		-	l/	1

Sed	ime	nt (Cor	e Processing Log	1	Z ANCHO OEA S	
Job:			vamis		A	G QEA	~
Job No No. of S			02.02	Date/Time: 7 73/21 211	Q		
Orive L				Attempt #: (
Recove				BOAT Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco					Poor	Disturbed	
Notes: (roce	משכת	: 6.2	Core Quality 🗷 Good 🗌 Fair 🗌	FUUI	Disturbed	
Recovered Length (ft)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (ft)	Sample	Summary Sketch
20 -		5	૧૬	0-189CM: SILT (ML): VERY SOFT, WET TO 49CM THEN MED STIFF, MODET, BLACKER H-GREY, FG SAMD. @ 7-24: TALLE ROUTS /ORGANICS /TWIGS @ 29: INTECT BIVANCE SHELL	- - - 20 - -	SC630A	0 } }
<u>40</u> 				CIOZ-110: HAN UNET DARK GAFY	<u>40</u> - -	53.acm	g D D
<u>60</u>				@123, \$131: F-MED MULTICOLOR GANTAGED	_	SC630B	
) E I				Sp: pourly softer same CLASTS Y		~	
80				to 1/2 4	50	79.8cm	
E				``````````````````````````````````````		SC630C	
<u>(6</u> 0				96	100	5C63CC	-
_ Zo					- 120	SC 6301)	
					_	133, DCM	@
<u>पि</u> 0 					<u>Гчо</u> 	SC630E 159.6cm	
 				186	Lleo	159.6cm	
Utro				0170-199 : VOED CLOSED	_ _ _ _ _ _	SC630F	
i E				EAM OF COLED 199	100	189.0cm	

Page____of

Sed	ime	nt (Cor	e Processing Log	4	& ANCHO	DR
Job:			vamis	TT(2)	Y	G QEA SE	\approx
Job No			02.02		28	process 143	55
No. of	Sectio		12	Core Logged By: N Bacher		*	
Drive L			·0 f+			Diver Core	
				Type of Core Mudmole Vibra Mudmole Vibra Diameter of Core (inches) 41	core	☐ Diver Core	
				on Scat Diameter of Core (inches) 4 \\ → F+ = 81.4% Core Quality Good □ Fair □	Poor	Disturbed	
NOICS.	10 41	UCE 5	, ,	17-F1 - 311 1 4 COTO Quanty			
Recovered Length ∰≦	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length 趣多	Sample	Summary Sketch
70		5	95	0-95 cm: SILT (ML) gray, wet/soft to 18, then most, si soft, sound 15 fm, non-plastre 10% fm. sand to 8. SI. He Soder to 65	_ _ _ _ 20	IT632A	
 - -				formed gray of multi-colored grains lenses @ 14, 20-22, 82-86 sound of sit, gray, clasts @ 89-94	E io	36.6cm	****
1				black cogunz debirs (reeds, turzs) @ 29,39,42,57,70,83	_6c	IT632B	4
E				2" wood dunk @ 46	_ 1	_	inlain
<u>50</u> -				3" wood spinters @ 78		IT632C	
<u>w</u>				95-174cm POORLY GRADED SAND (SP)	<u></u>	IT632D	* 5.
				Sound is Fu-med, multicolored grains	-120	119.4cm	, , , , , , , , , , , , , , , , , , ,
140				few thin wood streeds @ 153		IT632E	1 1 1
 - tec					_ _ _ 	I7632F	3
- - T%U		I		END OF CORE CITYCON	- - - - - - - - - - - - - - - - - - -	174cm	111
					- - - -		
700			-	¥	Page	eof	¥:

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR
Job:	AOC	4 Duv	vamis	h Station ID: 5634	Y	G QEA S	z
Job No	. 18	0067-			b	10cess 1710	
No. of			2_	Core Logged By: N. Bacher	*		
Drive L				Attempt #: Type of Core Mudmole Vibra	2010	☐ Diver Core	
					core	Diver Core	
				on bout Diameter of Core (inches) 9 .6 ft = 94.3 % Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed	
Notes.	10 Pr	رجعان	. 6	10 11 5 11,5 to core guanty			
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (#1)	Sample	Summary Sketch
		5	95	0-20/cm. 51LT (ML) blackith gray, wet/soft to 19, then mostly sisoft, non-plastrz one orange wome & 5 Faint oxidation mottled brownish gray clay class & 19,34,77,93 fin-med army w/ wulti-colored grains sand tenses & 82-83, 92-94, 99-124, 130-131, 182-183 interbedded fu. gray sand and black silt lenses (~2cm thirth) between 133-178 black 3" silt clast @ 128	1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 2 1 2	5C634A 5660M SC634B 849CM SC634C 113.20M SC634D 141.50M SC634E 169.80M SC634F SC634F	

END OF CORE@201 cm

Sed	ime	nt (Cor	e Processing Log	1	& ANCHO	OR
Job:		4 Duv			Y	GEA SE	
Job No		0067-		Date/Time: 7/16/2021 12:5	6	processen 1419	5
No. of				Core Logged By: S. STREHV	/	,	
Drive L				Attempt #: 3 Type of Core Mudmole Vibra	core	☐ Diver Core	
Recove				Type of Core Mudmole Vibra Diameter of Core (inches)	00.0	□ Bitol Gold	
				= 74.5 I. Core Quality 🔀 Good 🗆 Fair 🗆	Poor	Disturbed	
					žua I		
Recovered S Length (ft)	e % Gravel	Size % Sand	e % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
ר א	Size	Siz	Size	0	ш. —		
-		10	70	0-118 CM : SILT WITH SAND (ML) - VENLY			400
				SOFT, WET, DARRIGREY TO 13 CM, THEN MED.		1-1-2C·A	$\mathbb{H} M$
70				STAFF, MOTET, BLACKISH GREY, FG SAND.	20	17635A	
				@8,32,35, Wood CHUNILS UP TO 1.5"	F		1
_				@ 36,48,67,83,111: ORGANOCS - ROOTS/REEDS	-	33.50M	
40				(41,57,61: PERCOCU SHEEN FLOWETTES	uo	17635B	
=				@45-48,61-63: DAME GREY SAM CENS (SP)	<u></u>	55.90m	1
				C 17 10 101-0 3 9 11 22 27 22 27 22 27		23.1111	11.
(a.D					Бе	17635C	*
ſΕ		5	95	(075: GALDES STLTFER , STIFF	_	78.3cm	-
(F		9	' '				
80				@86: SHEU FRAGMENTS	80	α	
-						17635 D	Pop
							1.
100					<u></u>	100.7cm	
					=.	1225	1
						17635E	111
120			_	THE STATE OF THE STATE OF THE SECOND SO -	150	_ IIBem	44.
1 20		95	5	118-159cm: POORLY GARDEN SAMS (SP)-			
		6		MED. DENSE, MOTST, DHPM GRET, FINE	-	17635F	1
				TO MED. MULTICOLONER GARATMED.	Ε.		
140					140	140.4cm	F
				9		(D) 25 ()	
				ន		176356	
160					مما	159 cm	
					_		
					180		
80							
) F					-		
					F		

FG: FINE-GRAINED SAMO

Page____of ___

Sediment Co	re Processing Log	1 21	1	ANCHO	OR .
Job: AOC4 Duwam	Tanak and A Control of	71686	~~	nious 15	10
Job No. 180067-02.0 No. of Sections:	2 <u>Date/Time:</u> Core Logge	718121 146 d By: N Bacher	55	process 15	
Drive Length: 166구	Attempt #:		Sc		
Recovery: 82.3cm		e Mudmole W-Vibra Core (inches) 4	core	☐ Diver Core	
Notes: To process: T		parties	Poor	Disturbed	
	1		2114		
Recovered Length (#) Size % Gravel Size % Sand Size % Fines	(Density, Moisture, Color, Minor	and Remarks Constituent, MAJOR Constituent, tituents, Sheen, Odor)	Recovered Length 倒足	Sample	Summary Sketch
	faint gray cla black organic d few i black w few reeds @ fried gray sa grains pochets	L) o live gray to 8, lack, wet/soft to a worst /si stiff, biastiz, sand is for. y clasts @ 9,25,65 ebin3 (leaves /turgs) rovel churches 37-40 44 and w/ wultt-coived is @ 49 & 55		IT636 32.5 cm	

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	JK
Job:	AOC	4 Duv	vamis	h Station ID: 17 637	Y	G QEA	
Job No			02.02				
No. of	Sectio		3	Core Logged By: N. Backer			
Drive L			4 6		2052	☐ Diver Core	
Recove		_	14	Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco	overy:	107	000	Diameter of core (mones)	Poor	Disturbed	
Notes:	10	Proce	255	6.3 Ft = 98.4% Core Quality ☐ Good ☐ Fair ☐			
P IM	ve	PL	es		Ped S	0	ے ح
Recovered	Gravel	Sand	% Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length (15)	Sample	Summary Sketch
oco angt	%	%	% a	with Additional Constituents, Sheen, Odor)	eco	Sar	Sur S
8 3	Size	Size	Size	, , , , , ,	R _1		",
\vdash				162			
				0-66cm POORLY GRADED SAND (SP)	Ę		·,',
		95	5	brownish gray moist med dense	=	THATA	00
20		כו)	few 1" subr. gravels @ 24-34	-20	TT6374	= 0
				few crange brith frags @ 33-35	_	90	Δ:
				the stand strong cos	=		o din
				olive gray up black oxidation mothy	Ľ,,,		
40				olive gray up black oxidation mothry sitt clasts @ 28-43	-40	44.3 m	M.
 					- *	() (V)	· * *
						IT637B	
70					60	0.00	1
60						66.5cm	
				66-197 cm. PORPLY BRAVED SAND	=		٠ ،
=	15	80	45	66-192 cm. POCELY GRAVED SAND	= .		1 0
30	ا د ا	100	23	W/ GRAVEZ (SP-GA) gray, mo ist, wed diese,	30	IT637C	£
ΙF				Troy one is force = six baisa;	=		10
				Scattered Subr-subang. 1/2" gravel.		Ø1.	0 0
E				72 graves	700)	960cm	AA
100				trace orange exidations	100		0
				morning to the		IT6370	ر ر ا
				gray decomposing wood clumbs	-		ر ا
120				w H2)-live color 11 10	720	125.5cm	0 0
				few needs @ 131		127.30.	Ja
-				brown bark trags branches	-		1 24
				brown bark trags/branches	Ε	IT637E	Man c
140					<u> 14</u> 0		A . C
-				2' angular gravel pieces @		155.0cm	A A
				127, 135, 147	_		A
IIa)				1" piece of glass @ 174.	160		0 0
				, 5			600
				Two 3"x2" gray pility church	-	ITL637F	20
I ⊢ ∣				Wiswall soluters as			100
740				Two 3"x2" gray pility churchs w/small sprinters as well 177-192	<u>180</u>		A All
	.5			17-19/2	-		170
-						100	
					200	192m	No. L.W.
20	υ		_	END OF CORE = 192cm		1 1	
				They at cote - 11 Com	Page	eof	

Job: AOC4 Duwamish Job No. 180067-02.02 No. of Sections: No. of Sections:	Sed	ime	nt (Core	e Processing Log	1	2 ANCHO	DR
No. of Sections: Drive Length: 1219cm Sections: Core Logged By: N. Backer Attempt #: Type of Core Mudmole Vibracore Diver Core Mudmole Vibracore Diver Core Diver Core Mudmole Vibracore Diver Core					Station ID: 7 T G 38	×	- G211	2
Attempt #: Type of Core Mudmole Mythracore Diver Core Recovery: 103,6cm vn book Type of Core Mudmole Mythracore Diver Core Recovery: 85% on book Type of Core (inches) Type of Core (inches) Notes: To process: 102cm = 83 % Core Quality Good Fair Poor Disturbed Classification and Remarks Classification and Remarks Classification and Remarks Core Quality Recovery: MAJOR Constituent, MAJOR Constituen				02.02		04	O Process 1	790
Recovery: 103, Com on book Recovery: \$75 on book Notes: To process: 102cm = 83 7% Core Quality				719				
Motes: To process: 102cm = 83 PB Diameter of Core (inches) 4" Good Fair Poor Disturbed Classification and Remarks Density, Moisture, Color, Minor Constituent, MAJOR Constituent, With Additional Constituents, Sheen, Odor) Density of English of Engl						core	☐ Diver Core	
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, Spend of the with Additional Constituents, Sheen, Odor) O-102cm: SILT (ML) black, wet/sott To 28; then worst, wood. Sittle war-plans training the worst organic delyres (turing / Jeaves) e 13 END OF CORE @ 102cm	% Rec	overv:	857	- 04	best Diameter of Core (inches) 4"	B	Distruted	
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, With Additional Constituents, Sheen, Odor) 1	Notes:	To p	roces	5:10	2cm = 83 P4 Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed	
Top of core @ 102cm	Recovered Length	%	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length (野)	Sample	Summary Sketch
Top of core a lozar	20		25	>95		- - 20	17638	مليلة
delyris (turys/leaves) e 13 Sol Too END OF CORE @ 1020m					"mossive"	E	37.7cm	, \
END OF CORE @ 102000	<u> </u>				debris (turys/leaves)@13	<u></u> to		
END OF CORE @ 1020m	-				<u>N</u>	60		
END OF CORE @ 1020m	ΙF							$ \cdot $
END OF CORE @ 1020m					_	-Car		
END OF CORE @ 102cm	31)					50		
END OF CORE @ 102cm						F		\
END OF CORE @ 102cm								11
END OF CORE @ 102cm core catcher full & layged	100					100		
core catcher full & layged					FUT OF CORE @ 102cm	-		
E Cove care was run z wayon E					some or blue Cill be loved	-		
	-				Love care was run & layer			
						-		
	1 F							
						-	Į.	
	-					E		
	ΙF				*	_		
			4.			F		
	ΙF							
						-		
	F							
	I F							

Sed	ime	nt (Core	e Processing Log	1	ANCHO)K
Job:		4 Duw			Y	G QEA SE	Ī.
Job No		0067-0		Date/Time: 7/4/2/	65	process 1	810
No. of S				Core Logged By: N. Ba cher			
Drive L			6.7	The second of th	20050	☐ Diver Core	
Recove		91.4		Type of Core Mudmole Vibra	acore	Diver core	
% Reco	overy:	864	h 0		Poor	☐ Disturbed	
NOLES.	10 0	116	5 0	11 cm = 55.3 6 Core Quality 🔣 Good 🗌 Fair			
Recovered Length (数)ら	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituen with Additional Constituents, Sheen, Odor)	Recovered Length (A)	Sample	Summary Sketch
		4 5	795	0-91cm: SILT (ML) blacky wet to morst, mod soft, Non-dastr	-w	17639	
<u> </u>			, ,,	few muissel shells 0-3cm	=		
_ 				gray clay clasts e 16,20	<u>-</u> 40	38.4cm	1,1
E				"massive"	- - -60		
<u>60</u>				,	<u>-</u>	587	
30					<u>-</u> 80		1,11
I E.				END OF CORE = 91cm	+ ho		_((
				Core catcher full & logged.			
					=		
	3				E	5	
			-				
E					E		
I F				ñ	L		
					-		
-					F		
I F							

Job No. 180087-02.02 No. of Sections: 2. Drive Length: 7.0 FH Recovery: 75.67 cm brad Notes: 6 process 5.1 Ft = 72.07 Core Lagged By: N. Backer Attempt #: 7 Type of Core Mudmole Vibracore Disturbed Classification and Remarks B. Recovery: 75.67 cm brad Notes: 6 process 5.1 Ft = 72.07 Core Quality M. Good Fair Poor Disturbed Classification and Remarks B. Recovery: 75.67 cm brad Notes: 6 process 5.1 Ft = 72.07 Core Quality M. Good Fair Poor Disturbed Classification and Remarks Core Quality M. Good Fair Poor Disturbed Core Quality M. Good Poor D	ſ	Sed	ime	nt (Cor	e Processing Log	1	ANCHO)K
No. of Sections: 22 Drive Length: 7.0 th Recovery: 9.5.5 th on beat Notes: 5 process: 5.1 ft = 72.6% Core Quality Core Qual	Į,	Job:	AOC	4 Duw	vamis	h Station ID: 50640	Y	G QEA SE	
Attempt#: 7.0 Ft Recovery: 7.5 Ft on boat Recovery: 7.5 Ft on boat Notes: 10 process 5.1 Ft = 72 6% Classification and Remarks with Additional Constituent, MAJOR Constituent, 10 process 11 process 10 process 1								process 1300	ر
Recovery: 9.5 % on beat Type of Core Mudmole Wilhracore Divercore Dive									
Diameter of Core (inches) 4" Notes: Deprecess 5.14 = 726% Diameter of Core (inches) 4" Core Quality & Good Fair Poor Disturbed Classification and Remarks With Additional Constituent, MAJOR Con	ŀ	Secove	engin	. +,C	on		соге	☐ Diver Core	
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituen						on beat Diameter of Core (inches) 4"			
Classification and Remarks Classify, Moisture, Color, Minor Constituent, MAJOR Constitue	ľ	Notes:	To p	vo ces	55 . 5	5.1 ft = 72.6% Core Quality	Poor	□ Disturbed	
To go to 19 then moist/soft, un-plastiz, sand is fin. 20 SC(040A 1/2) The mussels @ G & 13 Few world splinters @ 14, 162-103 2" wood climbs @ 104, 113 Go gray fin. sand lenses @ 124, 132 SC(040B 872 cm) To SC(040B 109cm) To SC(040B 10		Recovered Length 健 を	%	%	8	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	Recovered Length 國 多	Sample	Summary Sketch
			S .	10	90	Holy Hen moist soft, Non-plastiz, sand is fu. Mussels @ G & 13 Few word splinters @ 14 Foint gray clay clasts @ 18,26 gray clay lenses @ 87,91, 102-103 2" wood churchs @ 104,113 gray fu. sand lenses @ 124, 132	- 150 - 150 - 150 - 150 - 150 - 150	43.6cm SC640B 65.4cm SC640C 87.2cm SC640D 109cm SC640E 130.8cm	

Page___(of __(__

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	OR
Job:		4 Duv		h Station ID: 17641	Y	G QEA SE	
Job No		0067-	02.02		P	1735 1735	
No. of Sorive L			000				
				on Scart Type of Core Mudmole W Vibra	core	□ Diver Core	
% Reco	overy:	1000	to	Diameter of Core (inches) 4	Door	Disturbed	
Notes:	To	Mic.	55: \	31cm = 100% Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed	
Recovered Length (本)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Recovered Length 倒 §	Sample	Summary Sketch
	Size	zis 5	zis 95	O-131cm: SILT (ML) black, wet/soft to 14 then moist (st. stiff, non- plastiz In gray sand peckets @ 26,34,42 3/4" wood churks & small brand @ 42 Fu gray sand lenses (In sand) @ 49-57,55-58, 118-120 thin wood spinters @ 61, 128-131 END OF CORE @ 131cm Core catcher full & logged.		IT641 45.0cm	
	. *						

Sea	lime	nt (Cor	e Processing Log	1	2 ANCHO	JR
Job:		4 Duv			Y	G QEA	\simeq
Job No		0067-		Date/Time: 7/12/2/ III	Dr	ocess 1530	
No. of			2	Core Logged By: N. Bachel	. 10		
Drive I					core	☐ Diver Core	
Recov				Type of Core Mudmole Wibra on book Diameter of Core (inches) 4"	COIC		
				If + = 73.9% Core Quality M Good Fair	Poor	Disturbed	
	1	100	T		C 140		
Recovered Length 働 S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
		5	9 5	0-104cm. SILT (Mc) blackish gray, wet/ Suft to 19, then moist/st soft Non-plastrz Few gravel, 15% formed sand, worms, scattered green sequeed to 8 crouge exidation mothed sand leas 620 black creams debris (turgs, leaves) 17,30 7" wood spiritures e 41 1/2" ovange word churles e 44,67 2" wood churle 84 black formed sandpolet e 88 Famt gray day clasts @ 28,55,78,59		IT644A 33.3cm IT644B 55.5cm IT644C 77.7cm IT644D 104.0cm	
122 1 140 1 150 1 150		95	5	brownish gray, moist med. loose, trace multi-coloned grains	120 - - - - - - - - - - - - - - - - - - -	17644E 1262cm IT644F 1530cm	

Job: AOC4 Duwamish Job No. 180067-02.02 No. of Sections: Drive Length: 12 1.9 cm Recovery: 115-3 cm on boat Recovery: 115-3 cm on boat Recovery: 156-3 m boat Notes: To process: 16cm = 95% Notes: To process: 16cm = 95% Classification and Remarks Classification and Remarks Core Logged By: N. Bacher Attempt # Type of Core Jonathy Moisture: Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor) Core Logged By: N. Bacher Attempt # Type of Core Jonathy Moisture: Color, Minor Constituent, MAJOR Constituent, MAJOR Constituent, With Additional Constituents, Sheen, Odor) Core Logged By: N. Bacher Attempt # Type of Core Jonathy Moisture: Color, Minor Constituent, MAJOR Constitu	Sed	ime	nt (Cor	re Processing Log	
Job No. 180087-02.02 No. of Sections: Date/Time: \$\frac{1}{7}\frac{1}{20} \rights 2 3\frac{1}{3}\frac{1}{					sh Station ID: IT 647 CEAS	
Attempt#: 115 g cm on beat Type of Core Mudmole Mvibracore Diver Core Type of Core Mudmole Mvibracore Diver Core Type of Core Mudmole Mvibracore Diver Core Diameter of Core (inches) 4" Core Quality Good Fair Poor Disturbed Core Quality Good Fair Poor Disturbed Diver Core Diameter of Core (inches) 4" Core Quality Good Fair Poor Disturbed Diver Core D						5
Type of Core Mudmole Mivitacore Diver Core Mecovery: 95% on Scat Diameter of Core (Inches) 41 Core Quality Good Fair Poor Disturbed Diameter of Core (Inches) 41 Core Quality Good Fair Poor Disturbed Diameter of Core (Inches) 41 Core Quality Good Fair Poor Disturbed Diameter of Core (Inches) 41 Core Quality Good Fair Poor Disturbed Diameter of Core (Inches) 41 Core Quality Good Fair Poor Disturbed Diameter of Core (Inches) 41 Core Quality Core Quality Good Fair Poor Disturbed Diameter of Core (Inches) 41 Core Quality Core Qualit	No. of	Sectio	ns:	Ĺ		
Recovery: 95% on Scat Notes: To process: 116cm = 95% Core Quality & Good Fair Poor Disturbed Core Quality & Good Fair Poor Disturbed Core Quality Core						
Notes: O PRESS: 116cm = 95 p Core Quality & Good Fair Poor Disturbed Classification and Remarks Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor) O-116cm SILT(M) black, wet/50+ to 21 then worst/SI-Shiff non-plastiz, Sand is fin. gray clay clays as 6,15,19 40,142 TO TO TO TO TO TO TO TO TO T					Type of color	
Classification and Remarks Classification and Remarks Cloensity, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor) Description of the part of the p					N 3666	
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, Remarks) (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, MAJOR Constituent, Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, MAJOR Constituent, Remarks (Density, Moisture, Color, Major Color, Ma	Notes.	10	roce	22 × (TIBECH S 11/20 COIC GOOD STORY	_
for wood spinters C 67 TO T	Recovered Length (母) ら	%	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Summary Sketch
		Sis			for wood spinters CG7 TWO OF CORE @ 116cm 120	

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	and the second second
Job:			vamis		×	G QEA SE	
Job No			02.02		9		
No. of Strive L				Core Logged By: S. STREHL Attempt #: 1			
Recove					core	☐ Diver Core	
				Diameter of Core (inches) 4"			
Notes:	PROCE	55 cm	! 5.	7 €4 = 81. 4 7. Core Quality Good Fair □	Poor	Disturbed	
Recovered Length (ft) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (1) S	Sample	Summary Sketch
		5	95	0-114 Cm: SILT (ML) WHIT SOFT, WET,	_		$\prod \prod$
E		,	' '	BROWN TO 9CM THEN MED STIFF,		IT648A	$\Pi \sqcup \Pi$
				ALACE BLACKSCH COME SC SALIO	20	410 101	
20				MOIST, BLACKISH GAFY, FG SAND			1
ΙFΙ				= SMALL ROUTS /ORGANECS @ 19,34,52,66	-		
				- BLACK MOTTLENG @ 30- 50		36.6 cm	900
40			1	@77: DECOMPOSTACE WOOD UP to !"	40		
				· · · · · · · · · · · · · · · · · · ·	F	ITC4813	1000
-				C54,60,74,83 UP to 14		520	
40	2			@64: Reens up to 1/2"	<u>60</u>	61.0cm	🗇
١Ŀ١				·		TTIUCT	13
2 E I				=	-	I7648C	
80					80	85.4 cm	
					-	87. [[
					F	Pr Culto	
100				@ LUZ: SHELL FARGMENTS UP to 1/2"	100	176480	
					_		44
-					E	114,0 cm	
		0-	۔ ا	114-174 cm : POORLY GRADED SAND (Sp)-	17.0		
120		95	ا ا		150	IT648E	• • • •
F				luose, Mussi, BROWNSH GREY, F-MED	-		
				MULTI-COLUMEN GRAFAS.	Ę	138.4 cm	
(40				West.	TYD		0
				@ 125-130: VOTO IN COME	F	ITU48F	"
-				CLOSEN VOGO		1 10101	٠,٠,٠
160				Que a ab car	<u>TPD</u>		
-				@141; fine sub-RNO GRAVEL		1.024	
					=	174 cm	
(8no				CAM OF CURE @ 174	180		
l 💾					-	ia la	
<i>/</i> E					E	12	
7.00					700		

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	
Job:	AOC	4 Duw	vamis		¥	G QEA SE	
Job No		0067-		Core Logged By: N. Bucher		process 1830	
No. of S			0 11	Attempt #:			
Recove			-tt	on boat Type of Core Mudmole WVibra	core	☐ Diver Core	
% Reco	overy:	92.1	90 €	n book Diameter of Core (inches) 4	Poor	Disturbed	
Notes:	To pr	0655	5.8	Ft = 83.4 % Core Quality M Good Fair	PUUI	Disturbed	
Recovered Length (愛́⊊	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (観え	Sample	Summary Sketch
20		5 849	90	0-47cm: SILTY CLAY W/ SAND (CL) gray, morst, soft, low-plast, sund is fr. four needs/turgs 0-3	_ _ <u></u> ; 	17649A	
l				fu. gray sand pochets @ 19,29	E I	37.50m	#/
46				black oxidation staining striations @ 20,32,35,38	<u>- ห</u> บ -	17649B 47cm	 -
<u>@</u>		ะบ	20	47-94cm: SAND W/ SILT (SM) gray, mo ist, mod. dense, sound is fn.	<u>&</u> º	17649C 72cm	(0) t
- 30				gray day dasts @ 63,83,92		17649D	6.0
					-	94 cm	90
120		>45	45	94-178cm POORLY GRADED SAND(SP) dark gray, moist, mod dense, sand is fu-med, trace multi-colored grains	120	17649E	6 6 6
- - 140				2" wood churce 163	- - - - -	17649F 144cm	
_ <u>πω</u> _				@ 164-170 gray for sand lense w/silt, 2" randed wood church, turgs, 1/4" orange decomposing wood shreds.	<u>T6</u> 0	(T649G	
150). 25	7 0 0 Cope 0 178	180	178cm	7.670
E				Vaid beetween 122-131 cm, Void	F		
				is closed in the log above.	7		

Job: Job No No. of S Orive L Recove % Recove Notes:	AOC . 18 Section ength ery: \$- overy:	4 Duw 0067- ns: 2 :1.0 :4.0 60.0	vamis 02.02 - 213 - 97.	Date/Time: 7 10 2021 434 Core Logged By: S. Small Attempt #: 4 Type of Core	Poor	ANCHO QEA Sessor @ 1615 Diver Core Disturbed	<u>ت</u>	
Recovered Length (ft)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (ft)	Sample	Summary Sketch	
1 1 1 1 1 1 1 1 1 1		95	5	O-159 CM: POORLY GRADED SAND (SP) MED. DENSE, MOTST, BROWNTSY GRAY, FINE TO MEDIUM GRAINED SAND. @19: ORGANICS - ROOTS GRASSES / TRACE COARSE GRAINED SANDS @19-28! LIGHT BROWN SILT LENS @28: GRADES TO DENSE @43-49: LIGHT BROWN SILT LENS @43: SUB-ROWNED GRAVELS UP TO 1/2" @50: 1.5" METALIEL METAL FRAGMENT @51, 63: SUB-ROWNED GRAVELS UP TO 1.5" @60: ORANGE OKTOIZED STAPPLED SPOT	100 100	73.5 cm 17650B 55.9 cm 17650C 78.7 cm	00.00	
		95	5	Q113: wood DEGRES: FRAGMENTS 113-159cm: POERLY GRAVED SAMM (SP) - MENSE, MOIST, DARK GREY, FEARE AV MEDEUM MULTICOLORED GRAFINS Q117: GREY CLAY PERP UP CLASTS 1/8" @120,147: FEARE ROUNDED GRAVELS END OF CORE @ 159 cm	120 140 160 180 180	113.0 cm ET650E 135.4 cm ET650F [59.0 cm	0	HARLO CON

SAME LETTE BUT HARD CONTACT CHANGE #MI AT 113

TO

DAIN GLEY MULTECOLUMEN GARFOS

Page__l_of__l

Sed	ime	nt (Core	e Processing Log	1	ANCHO	
Job:	AOC	4 Duw	vamisl		A	G QEA S	~
Job No	. 180	0067-	02.02		pr	ocess 1320	
Vo. of S			1	Core Logged By: N. Bacher			
ا Orive L	ength	100	1.7 c	Attempt #: \ Type of Core Mudmole Vib	racore	☐ Diver Core	
Recove	ry: °	51.5	cin (<u> </u>	racore		
% Reco	overy.	00 4	911.	Core Quality Q. Good Fair	Poor	Disturbed	
NOICS.	to pro	((5)	10	300 300 300			-
Recovered Length 倒 §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituents, Major Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
			95	0-2cm: SILT (ML) olive brown, wet, U. Soft Non-plastiz sand is fr. green sea weed olusters on surface	- }-		KOR1
-		5	ا دا ِ ا	Man- dastrz sand is the green	/F		1) (1) (
				sea weed alusters on surface	Fio		0
10							1
				2-90.5cm SILT (ML) black, wet/soft to			Ø
		5	0	23, then worst/soft, non- plastiz, sand is fu-v. fu	-	TT1651	M(X)
20)	95	plastiz, sand is tu-v.tu	<u>20</u>	IT651	11111
				1			
				Carl along along & C	-		1\-
				faint gray clay classis @	-341		
30				9,14,22,48,53	<u>-30</u>	211.	
l – l						37.1cm	+,
) [
90					40		$\prod I$
<u> "</u>				l l chance you led			(()
				gray hi-med sound by trace white-	-		1 1 1
I -				gray hi-med sound by trace undti- colored grain leuse @ 44			10
<u>−</u> 50				J	-50		1//
					\vdash		0
-							
Fac.					-60		1
Q ()							1
					\vdash		1 1 1 1
70				3	770		
					-		1, 11
I -					E		
					-80		
30					<u> </u>		
					F		
I E				io .	-		
90	- 2				90		
ľ				END of cole @ 90.5 cm			
<i>)</i> -					<u> -</u>		
1 -				Core catcher is full and logged	-iUU		

Page___of __

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR
Job:	AOC	4 Duv	vamis	h Station ID: TT 653		G QEA SE	
Job No		0067-	02.02		4_	process 13	30
No. of			, 6 F	Core Logged By: N Bacher Attempt #:	117.7	*	
Drive L Recove					core	☐ Diver Core	
				m bout Diameter of Core (inches) 4			
Notes:	To a)voces	s : 4.	SH = 69.6% Core Quality 🗵 Good 🗆 Fair 🔲	Poor	Disturbed	
Recovered Length (對字	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (Sample	Summary Sketch
70		5	95	0-119cm: SILT (ML) grayith black, wet, soft to 19, non-plastiz - low-plastizity, for-wed sound to 7:	_ - - - ₂₀	IT6524	:\!\!
E				sistiff below one crange worm @ 6 fu-med gray sand of multicolored	Ξ.	30.9cm	
40				amily sand lenses 230,34,95,37	-4ų	ITUSZB	GB.
				14-1/20 range bark frags @ 53, 88,62	E	SISCM	AA
60				faint gray clay class/lenses @31,41,61,65	<u>-6</u> 0	IT652C	BE
				below 60		721cm	7
30				and day so whenedded	<u>_</u> &n	IT652D	
				olive army sand of sit lenses and black oxidized sit	_	92.7cm	A
TW				leuses ~ I can though	_ 	IT6525	排排
T20					120	119cm	
- - - 		> 95	45	gray, Moist, Mod loose, multicolored grains, sand is formed. black 2 silt clast @ 122	_ _ _ <u>[4</u> 0	I/652 P	
	3.			END OF CORE @ 147am	T60	TOY	
	n			Void between 123-143 cm,			
- 181	١			closed on the log above.	180		
=					_		
70	9			6	700		

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	OR
Job:		4 Duv			V O	Oniesi 10	55
Job No No. of		0067- ns:	02.02	Date/Time: 7 (2) 21 08 Core Logged By: N Backer	00	P11232 (0	, ,
Drive L	ength	: '	7.0	Attempt #: \		D Birra Coss	
				Type of Core Mudmole Vibra Diameter of Core (inches) 4"	core	☐ Diver Core	
Notes:	To a	VELCS	516	Ore Quality Good Fair	Poor	Disturbed	- 4
	_				/ w		
Recovered Length (戦)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
		5	95	0-199cm: SILT (ML) blackarh gray, wet, SI soft to 22, Non-to low plast, sand is for. 10% formed sand to 5. black branch pieces @ 27, 80,152 51. H2 Soder to 40 morst, SI. Stiff @ 22 black sand wisht lenses and wood splinters @ 39-41, 80-82, 86-88, 180-182 trace shells 70-73, 148-150 gray clay classis front lenses @ 44,53,62,92,94,108 invist, Stiff @ 89 1/4" orange wood churles @ 133,145 gray formed sand lenses wy trace undfi-colored grains @ 70-78, 158-162		11.8 cm 17653B 69,7cm 17653C 97,6cn 17653D 125.5cm	
721)				END OF COLE @ 199 cm	ー で Page	199 Cm	

Void @ 172cm - 186cm, closed in log above.

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	
Job:		4 Duw		- 101 - 101 101	×	QEA	
Job No		0067-		Date/Time: 7/8/7021 15:47 Core Logged By: N. Bacher	P	process 1715	
No. of S Drive L			2 C Si				
Recove	ery: G	150	n 6	Type of Core Mudmole Vibra	соге	☐ Diver Core	
% Reco	overy:	97.0	120	n bout Diameter of Core (inches) 4"	Poor	Disturbed	
Notes:	To p	TOC 1559	5.	81 - 82.9 Core Quality ☑ Good ☐ Fair ☐	1 1	Distarbed	
Recovered Length 🔁 🕏	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (国 字	Sample	Summary Sketch
20		4 5	>95	0-52cm SILTY CLAY (CL) gray, moist, soft, moderate plasticity one worm @ 2	_ _ 	11654A	
l El				few reeds @ 17			7/7
—				black exidutorn staining 25, 27, 37	Ξ.	37.3 cm	44
પંડ					-40	17654B	
-/-						52cm	///
		જા	20	52-144cm. SANO W/ SILT (SM) gray, worst, med dense, sand is fu.		17654C 76.9cm	3 × ×
3 1 1 1 2				gray clay clast 110,132	700	17654D 101.8cm	0
- - - - - - -	-			orange oxidation mottled clay clast @ 138	- - - - -	17654E 126.7cm	
				Ta S	740	17654F	1
140					L	144cm	100
150		>9r	4 5	144-178cm: POORLY GRADED SAND (SP) gray, moist, mod. dense, with multi-cloved grams sand is fa-med. gray clay clast @ 175 ENO OF CORE = 178cm	160	176546 178cm	***
₹ E				5 cm void @ 122 cm, Core adjusted			
70				to account for void.	200		

Page___of __\

Sedime	ent (Cor	e Processing Log	1	RANCHO	
Job: AOC	C4 Duw	vamis	h Station ID: 1T655	Y	QEA ST	
Job No. 18 No. of Section	80067- ons: 2		Date/Time: 子/19/2021 @1540 Core Logged By: S. ラカルリン	5/1	pocesse o Cio	
Drive Lengtl	h:7.01	4 =	213.4 cm Attempt #: 2	COTA	☐ Diver Core	
Recovery: 5 % Recovery			0 46/61	COIE	Diver core	
			cm = 77.8 (, Core Quality 🗶 Good 🗆 Fair 🗀	Poor	Disturbed	
Recovered Length (1) Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (n) S	Sample	Summary Sketch
F	95	5	0-166 cm: poory GRADED SAMS(SID)	-		*10-by
<u> </u>			DENSE, MOSST, BROWNSH GREY, FANT to MEDERM GRAFACO SAND. @3-9: ORGANSCS - GRASS/ROUTS	্ৰ -	17655A	100
<u>40</u> - -			C59,75: OPLANGE OXIDEZED STAFNENG	_ _ _ _	35 cm	
<u>60</u>			@41,83,40: 1/8" TAN SIG LENS	ලා - - -	58.30m	Marrier.
80			=	<u>w</u> -	Bi. Com	winter the
- <u> </u> -		3	E97-100: The SFLT LEWS Cloo: Wood DEBTES - 1.5" FRAGMENT Cloo: GRADES COARSEN, COLOR CHANGE TO DARK GAPT	[<u>0</u> 0	17655D 104.gem	The state of the s
			C117,127: 2" BLACK WODS CHURN FRAGMENT	<u></u>	ITUSSE	≈
170			PIZZ: 3" how CHUNK Free GALTHE	120	128.Zam	500
			@127,132,138: 14 GREY CLAY RED UP CUSTS		120.00	
— <u>पि</u> ठ —			@ 130, 133, 140: woon DEARRS; FRAQUENTS, wor CHURCS up to 3"	_ _ _ _ _ _	17655F	
160			Q160 : TRACE COURSE SANS GRAINS	<u> </u>	166ecm	0 0 0
130			END OF CONT. C.166	1380 		

Sed	ime	nt (Cor	e Processing Log	1	RANCHO	DR.
Job:		4 Duv		h Station ID: 17.056	Y	G QEA SE	
Job No		0067-	02.02		5	process 142	>0
No. of			1	Core Logged By: N Backer Attempt #:			
Drive L Recove			5.8		core	☐ Diver Core	
% Rec	overv:	97	70 0	Diameter of Core (inches) 4			
Notes:	To	roce	55:1	Gen = 92.4% Core Quality	Poor	Disturbed	
Recovered Length 便了	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length	Sample	Summary Sketch
		25 5	>95 95	soft non-plasme w/ seaweed buildes on top- green ? 3-107cm: SILT (ML) black, soft, west	- - - <u>2</u> 0	ITIBLE	
<u> </u>				hon-plastiz, sand is for. farut gray clay clasts@ 13,40,76	- <u>4</u> 0 - - -	41.6 cm	0
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				2" branch piece @ 23	<u>6</u> 0 - -		
<u>\rightarrow</u> 1 1 1 1 1					- St		
				F-10 0- 010 017	 - -		11(
120				END OF CORE @107en Core catcher full and logged	<u>72</u> e) -		
				70			
					_		
ΙE							
					_		
-							
					-		

Sed	ime	nt (Cor	e Processing Log	1	ANCHO	DR
Job:		4 Duv		107	70	G QEA SE	
Job No. of		0067-		Date/Time: 7 (3 2) 102 Core Logged By: 5. Smale	20		
Drive L				Attempt #:			
Recove					core	☐ Diver Core	
				Diameter of Core (inches) Core Quality Good Fair	Poor	Disturbed	
110100	r pro Ce	1107	7.7				
Recovered Length (ft)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (ft)	Sample	Summary Sketch
-		to	90	0-108 CM: SILT (ML) SOFT, WOT AM		21	
				BROWN TO 8 CM THEN METO. STEFF, MOSTST,	_	IT657A	∤)
10				AND BLACKESH - GREY, FINE G SAND.	20	4105/11	
ΙF				@8-14: orange oxidized worm CAST	-		
				·		35.4cm	Ш
40				C36: 2" nous Spienter	40.		
_				C 44: GREEN PAFMY CHAP 1/4"	_	IT657B	4
				E dol : clares houses out h	-	59.0cm	
60				, , , , , , , , , , , , , , , , , , , ,	<u>60</u> 2	SINCM	
\ -		5	25	colones aminus cens		IT657C	$\mathbb{Q} \parallel$
7 =		"	"	@ 72: GRADES SELTECK	-	116010	
80					80	82.6cm	
=							
				a ü	-	JT657D	
100				@ 100-108: BLACK hows Chines up to 2.5"	معا	100 0	
L		a_	_	108-168 cm; poorly Grapes SAND(SP)-	<u>ا</u> ، ا	10.8CM	
		95		4 00 74 75 00 75	-	JT6576	•
120					110	2,00,0	
				antenny SANS, MULTI-COLORGY		131.6cm	
				Grafines.	-	,	
140				@(26-131: VOFO IN TWEETER,	140	324	
				voto closes		ITUS7F	7
					L		
160					160		100
				C167: 2" wows church, was spiences	F	168cm.	PULL
				Em of core @168	E	0001	-
180				,	<u>lho</u>		
) E					_		
Ĩ E							
7-0	1	1	I .		TOO		

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	
Job:			vamis	7770	~	G QEA S	
Job No			02.02		1_		
No. of S				Core Logged By: S. STREIL			
Drive L Recove				Attempt #: / Type of Core Mudmole Vibra	core	☐ Diver Core	
				Diameter of Core (inches) 4"			
				Fr = 11.47, Core Quality Good Fair	Poor	□ Disturbed	
Recovered Length (N) S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered S. Length (N)	Sample	Summary Sketch
20	X	5	95	0-195 cm: SILT (ML) - SOFT, WOT TO 16 cm THEN MED SAFF, MOIST - Brown to BURCUISH GREY, FA SAND	_ _ _ _ _ _ _	I76584	
 - - -				· 0-16 cm: HZS ONOR, BFOTA: WORMS, WOOD CHUNG UP to 2", REEDS, TURES · 24 word CHUNG @ 27	_ _ _ _ _ _ _ _	41.1cm	9 9
_ _ _ _		9		· GAFT FG SAM LENS/FAMT LENS (230,38,40,71) · PYRATE FLETES, SHEW HASH (27) - FEARE TO MEN GARAGED DAME GARY MULTICOLURGY.	<u> </u>	IT658B	
\ E				GRAFAUS @ 87-89, 100-102, 110-113, 124-129	-	68.5cm	0
80		Þ		- CHARLES WE STORE OF HOUSERIES	<u>हिंठ</u> 	IT658C	מרפונו
				_	<u> </u>	95.9cm	
१७०				-anthes staff @ lov-120	100		4:00
E				· wood speckateds up to 7.5 " @ 104	E	IT658D	
170				- GANDES MEN STIFF @ 120	(Zo 	123,3cm	#6 % G.
- 40				BLACK . DECOMPOSENCE WOOD CHAMS UP to 1.5" @ 140, 147, 150	<u> </u>	IT658E	
				+ trace sterr Hast, recens up to 1.54, woon	_	150.7cm	1
180 - 190				DEBRITS, TRATES Q 155-159	160 - - - 180	17658F	-
				· 1/4" BLACK OXTOSTED LONS @ 190		IT6586	nan
			1	2M or core @ 195	700		TIII

Sed	ime	ent (Cor	e Processing Log	1	2 ANCHO	
Job:		4 Duv			¥	G QEA SE	_
Job No No. of S		0067-		Date/Time: 71132 08 Core Logged By: S. STREFF	14		
Drive L				Attempt #: /			
Recove			on b		core	☐ Diver Core	
% Reco				Diameter of Core (inches) 4 Core Quality So Good Fair	Poor	Disturbed	
) 	-310	- Bo v	CM		
Recovered Length (ħ) 🕏	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	ered €	Sample	Summary Sketch
20	X	5	95	0-108 Cm: SILT (ML): Med SHCP, motst, BLACKISH-GREY, FG SAMO CHE BRACK FG-MED GRATHED MULTICOLOR SAMO LENS CHE PROCES FG-MED GRATHED MULTICOLOR SAMO LENS CHE PROCESS FOR MEDICAL CONTRACTOR STRICTORY		II669A	
E				Ets to . Honor manner of the rest to the second	<u> </u>	36.0cm	-
<u>40</u> 					<u>40</u> _ _	JT659B	6
60					60	60.0cm	
) <u>-</u>				@79: SMAU WOOD CHUNG UN to 3 cm , BULCLE OLGANGE OFBRES	- - 80	IT659C	
				85-89 : GATY FG SAM LONS , APPOR 1"	F	84.0cm	
	×	15	85	-INCREASING SAMS TO 15% AFTER 90 cm	71720 	IT659D	
				108-160 cm: FINE GRAFAM SAND (Sp)-	E :	108 CM	و الما حاط
	X	95	5	MEDIUM DENSE, MOIST, BROWNISH GREY, TRACE SEUT, NO DEGANICS, 144 GREY REP UP	120	IT6595	
-				CLAY CLASTS SCATTEMED THEORY HOUT	L.	132 cm	
 - - -				@ 153-160: DARK BROWN MULTICULARY GRAFNS	מען	IT659F	
-			-	CH EDSE.	L	160 cm_	
160	5	10	5	160 - 172 cm : SANY (SP): loose, most,	<u> </u>	JT6596	0000
-				BLACK, F-M-GRASHEN MULTICOCONER GRASHS	1 8	172 CM	
<u> </u>				SUBRAN /RAD FINE GRAVEL (POORLY GRAVES)/ EAM OF CORE @ 172 CM	<u>\</u> 80	C	

Sea	ime	nt (Cor	re Processing Log	1	ANCHO				
Job:										
Job No. of		0067-		Core Logged By: S. STREET	1.					
Orive L				Attempt #: 2		460				
Recov	ery: 5	1.2	DN V	Type of Core Mudmole Vibra	core	☐ Diver Core				
				Diameter of Core (inches) 4 " FT = 74.1 (Core Quality Good Fair	Poor	Disturbed				
Notes.	INVE	Sien.	4.4	FT = 74.1 I Core Quality						
Recovered Solution Length (A)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch			
—	Ä	45	5	0-42 con: poorly GRADED SAND (SP) - M-DENE,	_	-				
				MOTST, BRUNISH GREY, F-MED MULTICOLONES		æ				
20				GRAFINED.	70					
ΙF				@ 17-26: MED STEFF, NUDIST, OLEVE GREY SELT (ML) CLAST		ITC60A				
				@17-26, 31-36: OXIVIZEN DRANGE STHAMANG	E					
40					40	42,0cm	11:			
ΙF		80	20	42-68 cm: STUTY SAMD (SM): M-DENSE,	-					
				MODST, PARK GREY, FG SAND.		IT660 B	14			
60				@43: GRANGE OKTIOTZEN STAINTING	60	·				
ſΕ					-	68,0cm	* [
<i>)</i> [95	5	68-150 CM: POORLY GRADEN SAME (SP):	E	75/44 6	; :			
80		(3		MED DENSE, MOTST, BROWN BLACKER GREY,	80	ITGO C				
				FFRE-MEDEUM MULTICULOREN GRAFINS,	-	90,3 cm	0,00			
				GRADES MORE WEBTER GLATINES.	F					
100				@92: 1.5" SUB-ROLADED GRAVEL	100	IT4600	0			
				@93: BROWN 42" SILT CLAST		112 / 610				
I F					-	112,4cm				
120					120	ITLLOE				
<u> </u>				@ 107: 1/2" ROUMEN pumale-LIKE			.00			
				GRAVEL	-	134,9 cm				
140				_	140	IT660P				
						150,0 cm				
				EAM OF CONF @ 150 CM	-	11,01				
160					160					
		ļ.			E					
					=					
190					180					
-										
ĩ F					-					
I -	I I				-					

Sed	ime	nt (Cor	e Processing Log	1	& ANCHO	DR
Job:			vamis		- V	G QEA SE	
Job No. of			02.02		12		
Drive L				Attempt #:			
Recove			5 01	Type of Core Mudmole Vibra	core	☐ Diver Core	
% Reco				Diameter of Core (inches)	Poor	Disturbed	
Notes.	o pa	06853	: 0.	2 ' ≈ 🕏 6.6 Core Quality 💢 Good ☐ Fair ☐			
Recovered Length (略) 含	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered いとして (私) を	Sample	Summary Sketch
	Х	io	90	0-5 cm: SELT IN SAWS (ML)	-		000
	,	,,,	"	VORY SOFT, WET, BROWN , FG SAMO, TRALE ROUTS ,			111
20	.			5-188 cm : Sx4 (m)		IT662A	111
	*	5	95		-		
				Scratting STIFF, MOIST, BLACK-ISH, FO SAM	F		
4.0				- GREY SM LENSES @ 51, 58,93	<u>, av</u>	39.9cm	-
ΙF				- SP GRAY MULTICULA GRAINS 889-90, 107	-		
				-BLACK PREMISE OFBRES @ III (LEAVES,)	F	IT662B	引起
صيا				twiss,	عما	-	4:12
J -				- FATER BEDDED SP GREY MULTI COURTS	E	66.5cm	
7 E			-	GAMPINS + BLACK SFUT @ 127-153	-		
80				-1/44 noon CHULS BLACK @175, 128	<u>Src</u>	IT662C	
				-114" GREY CLAST (CLAY) @ 170, 178	F	93.1cm	410
				. 2" RUKEN WOOD SPLENTERS @183	E.		200
100				. 2 ROKO C WOOD SPESSIVE COS	- 160	IT662D	300
ΙF				@2	-		\$33
120					 IZA	119.7cm	
160			·		<u> </u>	711-	
					E	IT662E	60 62
140					140		900
					F.	146.3 cm	2100
					F	IT662F.	00 ·
160	X	20	80	BELOW 153 FNORTHSTAR FE SAWS	معد	- GO 0C!	
				10 20%.	E	172,9cm	- <u> </u>
					F	TILLANG	۔ حب
180					180	198 cm	منات
\ <u>-</u>				Em 188 cm	†	11101	
7 F				<u></u>	F		1

Sed	ime	nt (Cor	e Process	ing Log		4	& ANCHO	
Job:		4 Duv			Station ID: 17663		×	GEA #	\approx
Job No.		0067-			Date/Time: 7/19/2021	1444	proc	ESSON 1945	
No. of S					Core Logged By: 9. Smeth				
Drive L					Attempt #: 3	N Vibro	2010	☐ Diver Core	
Recove				SOAT	Type of Core Mudmole Diameter of Core (inches)	Vibra	core	☐ Diver Core	
% Reco	overy:	87.1	1616	on Bolt m = 84.8 (Fair 🔲	Poor	Disturbed	
Notes.	100ces	767.	1010	04 = 04.8 U	oole quality # oos E				
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture with A	Classification and Remarks e, Color, Minor Constituent, MAJOR Codditional Constituents, Sheen, Odor)		Recovered Length (N)	Sample	Summary Sketch
		90	10	0-89cm:	SHOW WITH STU (SM) -	-		
				AUD NOSE M	OIST, DARY GREY, FEWE GRAINS	Storm.		<i>a</i>	- Kapi
				Q1	7 : PLASTIE SHEFT		20	17663A	Sec. 7
20				_	5: FEAR SUB-POLANCY GRAVEV		<u></u>		6
				_	7-41: GREY STUT LENS		F 1	38.2 cm	5.02
->				1	2: Wood FRAGMENT		- 1		Ĭ,
40					-58:GNC1 SAU CENS		40		ii (juliu
					63: DARK GREY F-MON GONTAR	m <a< td=""><td>-</td><td>176638</td><td>America .</td></a<>	-	176638	America .
				(•	(EN	5 (50)		(104)	muici
							60		300
60				C72	: Fave SUB ANGULAR GRAMEL	,	00	63.bem	3300
\ <u> </u>									
7 E I							-	17663C	-600
500							500	116670	
						_	-	89.0cm	
-			_	So .181 am	I Provide Change Same ((3)
		75	,	09-10101	: pourry Graces sams Cs	7- /	Ter	17663 D	
100	100			DENSE, MOST	ST, DARK GREY, FIME TO	-1.47	100	100	
				Mentin a	aptitues SAND. SOFT CONT	inci,		114.4	٠.,,
				GRADES C	COARSON.		-	V	
122				C125-13	32,154-160: GREY FANE-GA	LATANO	120	1T663E	1
7.1					SAND LEN	">	X-X	17 04 76	#
=				(2144,165	170 : GREY SEUT CLAST 1/4"				7 1.
							111.	139.8cm	[2,1]
H.D	52						140		Ø
								1T663F	
								, 45	
160				@154,162,	170, 179: WOURD DEBRIS - SE		160	165.2cm	1
				CIGO GR	ADES COARSEN (TRACE COAR	2"	-:	-100,200	@ "
					GRAFINE S	Anno)		176636	.00.
					dimences s		Tex		30
ac							130	181cm	
\ -				2ND 0	f was e 181				
₹ E					-	e.	-		
		l		1			200		

Sed	ime	nt (Cor	e Processi	ing Log	1	RANCHO	JR
Job:	AOC	4 Duv	vamis	sh	Station ID: IT 664	V	GEA S	
Job No.						241/	onocesson: 144	5
No. of S					Core Logged By: S. STNETT			
Drive L	ength	6.9 F	7 = .	210.3 cm	Attempt #: 2	S #1	Diver Core	
				BOAT	1) 0 0 0 0 0 0 0 0 0	Vibracore	☐ Diver Core	
				BUAT	Bidiffeter of early (mental)	Poor	Disturbed	
Notes:/	noces	sen:	98 cm	= 94.27.	Core Quality 🗷 Good 🗆 Fair	☐ P00i	☐ Disturbed	
Recovered Length (N)	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture, with Ad	Classification and Remarks Color, Minor Constituent, MAJOR Constiditional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch
- - 20		5	95	8cm THEN GREY, FARE	SILI (ML) - MED. STAFF TO STAFF, MOEST, BLACK ISH GRATHEN SAMO.	20	TT664A	
40					colon change to oltave gray	40	42,4 cm	
					141, 145, 150: 14" DARK GREY MEN. GRAFING (SP) SAND LOW	,	ITGGY B	1111
<u>–</u> مها	h."			@54,95:0	ORGANICS - POOTS	<u></u>	12160415	*
-				Ces, (16, 131)	190,96,128,191 : PERLOCU SHEEN PLOUDETTES ,160,174,177 : WOOD FRAGMONTS	E	70.7 cm	11
}					: I" DARK GAFY FINE TO ME			111
70	34				GRAFINEN (ANN (SP) CLAST	80	DT664C	**
F								MARK!
lon				@103:F#	WE BLACK ANGULAR METALLEL GRAIN	Too	99,0 cm	*
E					G/7010		7+((W)	
						_	IT66410	1111
120						120	127,3 cm	Tim
						_	12 113	*
-								1119
140						140	IT664E	11 1 255 c a a
_						-	2	1
						=	155.6 cm	111111
60						160		
E						F	IT664 F	1114
						180		1
180								1111
) F				1		_	198.0 cm	*
	1 3					_ <u> </u>		-1111
200				Cvo	- C-OF QIAGINA	200	1 1	
				ENIS	of confelazion	Page	eof	

Sed	ime	nt (Cor	e Processing Log	1	& ANCHO	OR
Job:			vamis		Y	G QEA	\approx
Job No			02.02		1.21	processon 1530	
No. of				Core Logged By: S-Smelt)	
				27.	огасоге	☐ Diver Core	
				Diameter of Core (inches) 4 "			
				cm = 91.4 % Core Quality 🕦 Good 🗌 Fair	Poor	Disturbed	
Recovered Length (R) S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent) with Additional Constituents, Sheen, Odor)	Recovered Length (#)	Sample	Summary Sketch
		to	90	0-195 CM : SILT WITH SAND (ML)			
		Į.	שר		F		
E				SOFT to 12 cm THEN STOPP, MOTST, DALK GREY FENT-GUSTAVED SAND.	' <u> </u>		
20				@35: BLACK FG SAND LENS 14"	20	IT 665/A	1.11
	8			(~ >> . IS CAPITE THE SHAPE CENTS 14			1 4
_					-		Ш. Г
40					40	41.1 Cm	
_					-		11
				Out Connection to hereare Concus in the	ME	IT665B	. 11
60				CPP'80' IId : MARO DEBUZZ - ZIZCAZ ID 10	60		11.1
					F	68,5 cm	1+1
) F				C74-78: DARL RALY FG SAND LENS		0010 (00	1111
[<u> </u>					<i>₹</i> 0.	TTUE	!
80					00	IT45C	1
					-		11. 6
					T-	96,9 cm	-////
loo					100		1
							l. 'T
				,	-	h (~10	ll t'
120				@ 126: wood DEBRUS - FRAGMENTS (CHEPS UP TO 3"	120	DTC 65D	
-				<u>'</u>	-		T.
				@133: PEACOCK SHEEN FLUNETTES			1,711
โนอ				@ 142 : START OF TATER BEDOED BLACKESH GAI	TYO	143,3 cm	
				STIT / FINE GAMENOUS SAND (ENGES UP TO	124	TIGISE	111:11
				SAUD LEW SER 142, 144, 152, 156, 161, 165, 173, 17	8 L	170.7 (-	1111
160				Section from the control of the cont	160		[1]
100					_	IT665F	[]
						7	Hrr
						178,1 cm	11
130				@183-195: DARK GRAM FINE GRAFIUS	180	ITCi56	,
) E				Show Lens W/ HRACE MED. GRAPHS	F		
1 -				END OF CONÉ @ 195 CM	- -	195,0 cm	- 11 - 11 -
large of			1	TAND COME CALLED CLOT CO	700	1	

Sediment Cor	e Processing Log	V	₹ ANCHC QEA ₩	
Job: AOC4 Duwamis Job No. 180067-02.02	Date/Time: 7/19/2021 12:50	P	wiesser @ 1630	
No. of Sections: 2 Drive Length: 4.0FT = Recovery: 4.7FT William Recovery: 9.5.7 Recovery: 9.5.7	Type of Core Mudmole M	core	☐ Diver Core	
Recovered Length (N 3 Size % Gravel Size % Sand Size % Fines		Recovered Length	Sample	Summary Sketch
15 5 5 5 5 5 5 5 5 5	C53,41,74: SHELL FINGMENTS	70	17666A 35.6cm 17666B 59.4cm 17666D 107cm 17666E 130.8cm 17666E 130.8cm	
₽EI I I	y and the second	_		

EG: FINE - GMATNED

Sed	ime	nt (Cor	e Processing Log	1	RANCHO	DR
Job:		4 Duv		h Station ID: LT (668	Y	G QEA SE	
Job No		0067-	02.02		2	Dracess 1600	
No. of Drive L			× 0	Core Logged By: N Bacher Attempt #:		N.	
Recove				n on book Type of Core Mudmole W Vibra	core	☐ Diver Core	
% Rec		930	le or	Diameter of Core (inches)	Door	☐ Disturbed	
Notes:	70 p	10649	5: 11	Tun = 39.97 Core Quality ☑ Good ☐ Fair ☐	Poor	Disturbed	
Recovered Length (第)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered ELength	Sample	Summary Sketch
F				0-115cm: SILT (ML) black, wet/soft to	-		
		_	0-	19 then moist, stiff.	F		AAR
20		4 5	>95	1" randed gravel e 8	<u>_2</u> 0	IT668	1601
				24 wrond sol Mtus @ 16	-	71000	1111
				gray day pochets @ 17,57	F		111
40				y any story t	-40	40 4 cm	$\parallel \parallel \parallel$
				gray clay lenses (med plast) @23-25 62-68	-	7	
							191
60				black organiz debris layer (twist) leaves) @ 59	60		which
				leaves) @ 59	=		11111
				1.3			111
30				1/4" orange wood churke 66	<u>-80</u>		1
				19 000			A_{ij}
				a.			
πυ		6			70		
100				¥ 1	_		111
-							[[]
				ET DOT COURT OF 115 and	TZO		
120				END OF COLE @ 115 cm			
-				Cove catcher full is lossed.	E		
π.,					140		
1-10					<u> </u>		
-					E		
				1			
					E		
					F		
_						1	
ΙF					F		
					F		

Sed	ime	nt (Cor	e Processing Log	1	R ANCHO)R
Job:			vamis		*		
Job No No. of S		0067-	02.02 2	Date/Time: 7/8/2021 7:02 Core Logged By: N Bacher	1.0	Less 1905	
Drive L			o ft	Attempt #:			
Recove	ery:	6.5		Type of Core Mudmole Vibra	core	☐ Diver Core	
				Diameter of Core (inches) 4" Core Quality Good Fair	Poor	Disturbed	
	10 01	,,,,,	V. D		(1/4		
Recovered Length (斯多	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (種)	Sample	Summary Sketch
E				0-189 cm: SILT (ML) black, moist, st. soft, non-plastic, sand is for.	1		
20		10	90	For gray sand podet @ 13 small aroud clubs @ 34	<u>-2</u> 0	17669A	
						200	A
40				faint gray clay pochese	<u>-4</u> 0	39.9 cm	
E				55,68,74,85		176698	
_ 				black oxidatry striatous @59,71,87,102,104,114	-60	66.5cm	1111
							6
}				Fu-med gray sound pockets/lenses w/ trace mulki-color grams	-	17669C	0
<u>51</u>				@ 120,124, 130, 136, 150, 164, 171,	<u>_8</u> 0	93.1em	100.
				177, 187	Ε.		1.50
140				light weight cold coal like aggregate pieces @ 140 (up to 24, 4-5 pieces)	w -	17669D	
_ 120				3" word spirutere 142	_ T20	119.7cm	
<u> </u>				trace shells @ 88 2 165-170		(7669E	401
140				3/4" angular aggregate w/ large 9+2-x+	<u>140</u>	146.3cm	
E				1/4" wood clumbs and trace			
ila				shells etg 188	160	17669F	
					Ē	172.9cm	4
<u> </u>					<u>(47)</u>	176696	0
<i>i</i> E				4.8	=	189cm	44.7
I L.				END OF CORE @ 189 WIS CM	700		

Sedime	nt C	or	e Processing Log	1	2 ANCHO	
	4 Duw			V	QEA S	
	0067-0			2/	Processen: 160	<u> </u>
No. of Section			Core Logged By: S-Smruu Attempt #: I	· ·		
Drive Length Recovery: 5				racore	☐ Diver Core	
% Recovery:	77.1	7. 0				
Notes: Proce	ssen- l	53 0	n = 71.77. Core Quality ☑ Good ☐ Fair	Poor	Disturbed	
Recovered Length (N) S	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constitue with Additional Constituents, Sheen, Odor)	Recovered A	Sample	Summary Sketch
 <u>2</u> 0	95	5	0-153 cm: poorly GRADED SAND (SP) MED. DENSE, BROWNESH GREY, MOIST, FINE TO MED. GRAFINED SAND. (2,6: 1/2" STICKS	- - - 70	IT 670 A	
			@ 24-27 : LIGHT BROWN SILT LEWS SMORNES	, –	323cm	niiiiii Miiiiiii
40			@39-47: LEGAT BROWN SILT LONS WITH ORANG	e 40	et 676 B	
			Q47-65: SATURATED LEGHT BROWN FINE GRAFTING	1	53.8cm	S 634 6
60			@65-96: Unawar Uksopres Stassies Lyons	<u> </u>	IT670C	
20			C96-110: 1/8" INTERBENOES LIGHT BROWN SILT LENSES	<u>5</u> 0	75.3 cm	
- 1000				<u>100</u>	25670E	
120			@ 122,134,137,149: 1/4" ORANGE CKEVEZEN STRANCO LENS		118.3cm	
			@126-127,132-133,144-148: LIGHT GROWN SILT LEWIES		IT670F	สารับเกา
				-	153.0 cm	miini
<u> </u>			END OF CONE @ 153 am	<u>160</u>		
				-		

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	
Job:	AOC	4 Duv		h Station ID: SCC71		G QEA SE	z
Job No	. 18	0067-	02.02			1: 1545	
No. of S			- /	Core Logged By: 5. STRUM	<u> </u>		
Drive L Recove					▼ Vibracore	☐ Diver Core	
				Diameter of Core (inches) 4"			
				Core Quality Z Good	Fair 🗌 Poor	Disturbed	
Recovered Length (N) 3	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituents, Sheen, Odor)	Rec	Sample	Summary
=		5	95	0-120 cm: SILT COIL): SOFT, SA	TURATED -		
				to 25 cm THEN MED. SIFFF, MOFET	r, -		
20				BLACUISH GREY, FERATION SAND	<u>1−-</u>		464
				CIO: I" LEEVO	-	CC(7)	
				@ 20,51; ORGANICS - MONTS	F	5(67)	$\Pi \Pi \Pi$
<u>५</u> ०				C 20, 91, 01.2. 1025 - 100813	40		
							1
-					E		frede
					To	57,6cm	111
60					<u> </u>		
\ E				e	F		
í El					E		1 1
80				@80,93: 1/2" BIVALVE SHELLS	70		161
=							
					-		0
100					Too		$\Pi_{i} H$
_					F		$\Pi\Pi$
					E		I. II
					120		
120				END OF CORE @ 120 CM	120		
				END OF CORE (120 CAR	F		
					-		
					E		
-					-		
					E		
-					_		
					F		
					=-		
					F		
_							
) E l							
					H		
—			ı	I'	_	1	1

Sedir	ne	nt (Cor	e Processing Log	1	ANCHO	
		Duw		h Station ID: SCG72	×	GEA SE	
Job No.		067-0	02.02		16550	m 1330	
No. of Se			^-	Core Logged By: S. STREHT Attempt #: /			
Drive Ler Recovery	ngth:	5	1 01		acore	☐ Diver Core	
				Diameter of Core (inches) 4"		_8	
				Core Quality Sood Fair	Poor	☐ Disturbed	
	T		_		Cun		
CM	Gravel	Sand	Fines	Classification and Remarks	Recovered Length	<u>v</u>	a t
Recovered Length (ft)	5	ss %	% Fi	(Density, Moisture, Color, Minor Constituent, MAJOR Constituen	gt e	Sample	Summary Sketch
eng	%	Size 9	Size 9	with Additional Constituents, Sheen, Odor)	Rec	ပ္တံ	ns s
 ~ _	Size	Š	Si				
		OJ	90	U-122 CM SILT WITH SHAM (ML):	-		
				SOFT, SATURATED TO 43 CM THEN MUTST,			
20				BLACKISH GREY, FINE GRAFINEY SAND.	20	SCG7L	*
				Co all on the colonial Co house		100	10th
				@21,24,28: PEACOCH SHEEN FLOWETTES			***
				@41,53: Further BEVALVE SHELLS	VD_		
40				@62: GRADES TO MED. STEFF	F	90	100
-				C 26,32,47,58,71,95,104,108:		55,9cm	7 0,]
				ORGANICS: ROUTS/DEEDS	60		Arry.
<u>6</u> 8				@ 37 : ANGULAR GAMEL UP to 1.5"	_		
) FI				To you will be a second of the			the
					80		1111
<u>ক্রত</u>					<u>~ ~ </u>		
				@91,93: SHELL FRAGMENTS	-		the
_					ļ		11
loo					100		4000
						8	++++
170					170		
				EAM OF COME AT 127 CM			
					-		
पि०					<u> १५०</u>		
					-		
					-		
-							
					_		
 							
					_		
5 E L							
1 Fl					\vdash		
1 - 1			1				1

Sedii	men	t Co	re Process	ing Log	1	2 ANCHO	OR
		Duwam		Station ID: SC673	Y	G QEA S	z
Job No.		67-02.0)2	Date/Time: 7/19/2021 @ 00	150	processes 15	40
No. of Se			= 210 00	Core Logged By: S. STREYL	-	/	
			= 310.9 cm	Attempt #: / Type of Core	core	☐ Diver Core	
% Recovery	•		ON BONT	Diameter of Core (inches) Y "			
			: 307 cm = 100 1.	- migra	Poor	Disturbed	
					CH,		
cun D	Gravel	Sand		Classification and Bernarks	p 2	υ	کے د
Recovered Length (N	5	ゕ゙゚゠゙゙ ゚゚゚゚゠゚゚゚゚		Classification and Remarks Color, Minor Constituent, MAJOR Constituent,	Recovered Length (N)	Sample	Summary Sketch
eng e	0 1			dditional Constituents, Sheen, Odor)	Seco enç	Sa	Sal
	Size	Size			" –		
4.5	1	5 96	0-309 cm:	SILT (OL) - VERY SOFT,	()		1
-		_ ` · ·		10 33cm, THEN SOFT, MOIST,			6
			BIACHTE	GREY, FENEGAHENES SAND.	35	SC 673A	
35				LIVE BOUT NOSE CLAM	22	JC G 1371	
			_	SUB ANGULAR GRAVEL UP TO 1/2"		0.0	
				1,43,50,68,84,97,114,125,146,159:	-	60.0 cm	18
70				BIVALUE SHEEL / SHELL FINGEMENTS	70	SC473 B	9
			@ 35:	1.5" REED	_		
-				•	-	90.0 Cm	1000
				_	E,	2 2 -	Y
105			@ 115: 91	LOES TO MED. STEFF DEMENTY	105	SC673 C	11
l – I						120,000	
2 E L					-	Caran	
140					Tito	SCG73D	
				2		150,0 cm	an '
						SC473E	
					75		9
175					179	180,0 cm	h. #1
					-	8 673 F	
					=	210,0 cm	$ \setminus $
210					210		
					_	5(4736	
						240,0 Gps	
245					245		
				ACK SAND BLAST-ERFT LIKE MATERIAL,		5.673H	
			C 268-290	5, SHENY, REW PAFAT CHEP LIKE MATERIAL	<u> </u> -	2700cm	: t;
280			F-MES WATER	2,4	200	(7) T	
					-	sc673 7	h
-			1200 : GRADE	s to STAFF DENSTRY			
				of cont@309 cm	315	309.0 Cm	
315) at any () 304 Ove	<u> 315</u>		
) []					_		
T - I			÷.		-		
100		- 11	1		_	1	1

S	ed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR	
Jo	b:	AOC	4 Duv	vamis	h Station ID: 673	×	G QEA #		
	b No		0067-	02.02					
_		Section Sectio			Core Logged By: CTT Attempt #: 3		10.7	/5	
		ery:			Type of Core Mudmole Vibra	core	☐ Diver Core(Sinie	
%	Rec		80%	,	Diameter of Core (inches)	Dana	Disturbed		
No	tes:		<u> </u>		Core Quality Good Fair	Poor	Disturbed		
Becovered	Length (ft)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (ft)	Sample	Summary Sketch	10
16	_*	-		100	0-10 8 See GT35 Lag	- 1	0-24		AB
*	<u>-</u>	建订			Low plushicity, Trace organics (Fibers)		24-48		BE
N4.73	Ē						48-72		CB
12							72-96		DB
13					@13.75; lamination of metallic-like flukes, occassional amount.				
14							96-120		EB
15	E	-	-15	25	SAND (SM). Fine, multi-colored sand.	-1	120-144		FB
4.9	<u> </u>				Trace organics ("wood debris)		144-168		68
7	_		a85	NOT	16.8-19.8: m. stiff, moist, olive gray		168-192		HB
17	Ē	_	10	90	SILT (ML) w/ some fine SAND.		, , , , , ,		
18	E			-			192-216		北日
19.10	E						216-240		JB
20	E						240 - 245		KB

Station ID Sta	Sedime	nt Co	re Process	ing Log		1	RANCHO	(Z)
Date Time. #1/9/201 © 09:20 / phastsey: 1125 Date Time. #1/9/201 ©		3)				X		
Attempt #: / 391.9 cm Recovery 197.5 cm of 197.5 cm Recovery 197.5 cm R	W (- 2)			Date/Time: 7/19/2021	@ 09	:2	O / processey: 112	5
Recovery 394.3 cm	No. of Section	ns: / 🕠					_/*	
Diameter of Core (inches) 4 Ore Quality [S Good Fair Poor Disturbed Ore Qual					[S] v (1)		Diver Core	
Notes: paces to: 342 cm = 100 1 Core Quality & Good Fair Poor Disturbed Core	Recovery: 32	19.7 cm	ON MUCHA SOAT		∠ Vibrac	ore	Diver Core	
Classification and Remarks MAJOR Constituent And Con	% Recovery:	100 6 0	N BUAT	The state of the s	Fair T	Poor	Disturbed	
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituen	Notes: places	147 - 347	- 100 0	Core Quality IEI GOOD L			Distarbed	
TO 15 CM THEN MED STEPT, MOTEST, BLACKATSH GABY, TILKE FINE - GAMENERS SAND. C28: OPA ANGES - DEFO UP TO 1" SCOTY B 100 100 100 100 100 100 100 1	covered agth (14)	% %		e, Color, Minor Constituent, MAJOR	Constituent,	Recovered &	Sample	Summary Sketch
195 196 196 197 198 198 198 198 198 198 198 198 198 198	35 <u>80</u>	5 95	to 15 cm BUHCUITS H SAND.	THEN MED SITTE, MOTS	T , (PAFACY)	- - - - - - -	SC674A	hoto
THE SCOTY B 150.0 CM SCOTY B 160.0 CM SCOTY B 210 SC			,			_	90,0 cm 56674C	
210 210 210 210 210 210 210 316-323: SAND-RIAST GATT LIKE MATERIAL. 250 318-323: SAND-RIAST GATT LIKE MATERIAL. 315 300:0cm 316 317 318-323: SAND-RIAST GATT LIKE MATERIAL. 315 316 317 318 318 318 318 318 318 318 318 318 318	_ <u>ido</u> _ _			1		-	5C674D 150.0 cm	
280 280 280 280 280 280 280 280				•		- - -	SC674 F	111
250 250 250 250 250 250 250 250 250 200 20	_		*					1.1
250 C318-323: SAND-RUSST GATT LIKE MATERIAL. SCOTY I 300:0cm SCALL F-MED GRAINED, SHINY, WATH TRACE SCALL F-MED GRAINED, SHINY, WATH TRACE SUBJECT OF THE MATERIAL. STO	<u>74</u> 6					245 - -	SC674 H	
BLACK F-MED GRATAED, SHENY, WATH TRACE 315 SCUTY JULIE PAFAT CHEP-CIKE MATERIAL. WHETE PAFAT CHEP-CIKE MATERIAL. 350						- <u>280</u>		
BLACK F-MED GRATAED, SHENY, WATH TRACE 315 SCUTY JULIE PAFAT CHEP-CIKE MATERIAL. WHETE PAFAT CHEP-CIKE MATERIAL. 350				r		8	300.00	1 1
BLACK F-MED THE MATERIAL.	_ 31 5		@318.323:	SAND-BLAST GATT LIKE M	H TRACE	- <u>3(5</u>		
	E		BLACK F- META	T CHEP-TILE MATERIAL.		-	342.0 cm	353574
END OF CONE @ 342 cm	350)	5 - 16 (7) - 11 - 11		350		

Sed	ime	ent (Cor	e Processing Log	1	ANCHO		
Job:		4 Duv		A - 1.1	×	G QEA		
Job No		0067-						
No. of	Section	ns:		Core Logged By: CTT				
Drive L			te e		100	П в: 0 · · ·	100	1
Recov		7'8"		Type of Core Mudmole Vibra	core	☐ Diver Core	(Sonie	/
% Rec	overy:	76	.7%	Diameter of Core (inches)	Dear	☐ Disturbed		
Notes:				Core Quality Good K Fair	Poor	Disturbed		
Recovered Length (ft)	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (ft)	Sample	Summary Sketch	
	,	-	100	0-11 Not Logged 11-14,4: soft, meist, black SILT (ML).		0-23-1	ML	ME
12 =				Trace organics (fibers). NoO.	<u> </u>	23,1-46.2		BB
13 =					_	46.2-69.3		CB
						69.3 - 92.4		DB
14 -				@ 14.4: lamination of silly SAND w/gold - like		92.4-115.5		EB
15		75	25	flakes (notal showings) 14.4-17.8: loose, moist, dk gray, si'ty		115.5-138.6		PB
				SAND (SM), Multi-graned, fine Sand		138,6 -1617		G B
<i>j</i> 6				particles, colored		1617-184.8		Η£
						1848-2079		IE
					Ē	207,9-233		JB
18		ů0	60	17.8-21 m. stiff, moist, dk olive gray,			-	
				SANDY SILT (ML). Non-plastic, High	_			
n				dilatency,	_			
-					-			1
								1
10	1				-			1
) <u> </u>								1
					F]

Seal	ime	nt (Cor	e Processing Log		ANCHO	
Jöb:		4 Duv			PAGE	Sen 1940	
Job No No. of S Drive L Recove % Recove Notes:	Section ength ery: 12 overy:	:4.2 25 a 97.6	FT M	Core Logged By: S. STREHL Attempt #: 1	☑ Vibracore	☐ Diver Core ☐ Disturbed	
Recovered Length (K) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Con with Additional Constituents, Sheen, Odor)	Recovered Length (1)	Sample	Summary Sketch
- - 20 -			loo	O-125cm: SILT (ML) VERY SOFT, SATURATED TO 42 cm, THEN A STAFF, MOTEST. BLACKISH GREY. @ 36,101,25: ORGANICS: POOTS	76 	56675	Hipp
국 <u>0</u> 나이					<u>4 0</u> 	58,6cm	
11181111					<u>\$0</u> 		
100 - - 120					120		
				ENN OF CONE @ 125 CM			

Page___of ___

Sediment Co	re Processing Lo	g	1	RANCHO	DR
Job: AOC4 Duwam	_		X	, QEA 🕰	
Job No. 180067-02.0			ocesse	n 1410	
No. of Sections: /	Core Logo				
Drive Length: 4.0 FT	/ 121.9 cm Attempt #			Diver Core	
Recovery: 115.8 CM			core	☐ Diver Core	
% Recovery: 95.0 %	0.1.70.11	01 0010 (micrico)	Poor	Disturbed	
Notes: PROCESSED: 111	M = 91.0 /, Oole Qua	ity E cood E an E			
Recovered Length (N Size % Gravel Size % Sand Size % Fines	(Density, Moisture, Color, Mind	on and Remarks or Constituent, MAJOR Constituent, nstituents, Sheen, Odor)	Recovered S Length (ħ) \$	Sample	Summary Sketch
10 90	0-111 CM : SILT WITT	it SANO (ML):	- 1		Lihot
				l	
	VERY SOFT, SATWERS	TO 36 CM, THEN MED.	<u> </u>		الممدا
20	STIFF, MOIST, BC	ACRISH GREY, FG SAND.	<u>a</u>	SC676	
	61 20 52 2	6,97: ORGANICS: PUOTS		30070	11:1
	(4, 24, 74, 7	o, i. i. obaniosei	- 1		(
<u>4</u> 0			40		_\ / / I
	,				[,]
			-	54.6cm	++4-
				311600	1 + 1 + 1
60			60		
↓					1
) E I I I I					
<u>\$40</u>			30 _		1
20			_		
			<u> </u>		Hop
		X)			
100			loo_		111
			⊢		(
	SAM OF COM	E@ III Con	<u> </u>	1	
			120		
170		:4:	150		
140	1		140		
			_		
			-		
			<u> </u>		
			-		
			_		
∌ F			_		
1 - 1					
	i				

FG: FINE-GRAINED

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	DR
Job:		4 Duw		= 2/1-17	Y	G QEA 32	
Job No		0067-		Date/Time: 7(5)21 (3	00	/ PROCESSED 1511	b
No. of S				Core Logged By: S. STIKEL			
Drive L				Attempt #: /	ragara	☐ Diver Core	
Recove				3007	racore	□ Diver core	
% Reco	overy:	[00]	110	TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLUM	Poor	Disturbed	
notes.	AOCE.	1560	[[7]	5 cm = 93.9° /. Core Quality			
Recovered Length (N) 🕏	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constitue with Additional Constituents, Sheen, Odor)	Recovered Length (M)	Sample	Summary Sketch
 20 - +6		5	95	O-119 CM: STLT (ML) VERY SOFT, SATURATED TO 30 CM THEN MED. THACE STAFF, MATST, BLACKESH GREY, FG SAND @ 24,31: ORGANICS - POOTS	- - - - - - - - - - -	5(677	
 					<u> </u>	54.00~	
150 150 1 150				s	- 100		
				Enn of coné 2119 cm			

Job: AOC4 Duwamish Job No. 18006702.02 No. of Sections: Orive Length: 17% 0 cm Feerwery: 12% 0 cm Feerwery: 12% 0 cm Feerwery: 100% on book Notes: To process: 127 cm Feerwery: 10	Sed	ime	nt (Cor	e Processing Log	1	ANCHO	
Core Logged By. N. Bacher Attempt #: Type of Core Mudmole	Job:	AOC	4 Duv	vamis		¥		
Attempt#: 12% 0 cm Recovery: 12% 0 cm an book Recovery: 12% 0 cm an book Notes: To price = 5: 127 cm = 971.2% Classification and Remarks Diameter of Core (inches) 4 Toron = 971.2% Classification and Remarks Opensity, Moisture, Color, Minor Constituent, MAJOR Constituent, Spen of price = 9 graphs of				02.02		pro	Less 1800	
Type of Core Mudmole Vibracore Diver Core Diver C						_		
Motes: To precess: 127 cm = 99.2% Notes: To precess: 127 cm = 99.2% Notes: To precess: 127 cm = 99.2% Notes: To precess: 127 cm = 99.2% Notes: To precess: 127 cm = 99.2% Cassification and Remarks Constituent, MAJOR Constituent,						core	Diver Core	
Notes to greess: 127 cm -99.2% Core Quality & Good Fair Poor Disturbed Core Q	Recove	ery: 12	700	in e	1)50.00	COIC	□ Diver core	
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituen	Notes 7	Dieny.	W 255	172		Poor	Disturbed	
The two of cole e 127 cm Tho	140103.	10 4.		. 101				
10 90 10 10 90 10 10 10 10 10	Recovered Length (國文	%	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (例)	Sample	
	1	Siz			few roods twings @ 20 few roods & shell frags @ 10 gray sand w/ silt (sm solze) lenses @ 67-70, 84-91 sand is fn.	- 120 - 120 - 120 - 120 - 120	IT619	

Sed	ime	nt (Core	e Processing Log	1	C ANCHO	OR .
Job:	AOC	4 Duw	/amisl		7	J QEA Z	
Job No		0067-	02.02	Date/Time: 4(4) 113	0		
No. of S				Core Logged By: 3, STREAT			
Drive L				Attempt #: 5 [0.7 cm] N Type of Core Mudmole X	/ibracore	☐ Diver Core	
Recove				Stat Tipe of Com (inches) M. W.	biacorc	Biver dele	
% Reco				Diameter of Core (inches) 4 * Core Quality A Good Fair	Poor	Disturbed	
Notes:	MUCES	100	(A) C	C_ 624 // Ocic duality 42 cocc =			
Recovered Length (ft) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent) with Additional Constituents, Sheen, Odor)	Rec	Sample	Summary Sketch
		100	0	0-101 CM: poorly GRADED SAND (SP)	-		3
 -				THE STATE OF THE S			0
				LOOSE, MOIST, BROWN, F-C GRAFNED, PREDOMENATURY F-MED GRAFNED.	70	C (CC)	
20				PREDOMENATION F-MED GRAFIED.	20	DC(080	
-				@ 2 cm : 3" ROOT	F		;
					-		
40				(3 cm : 2 PLACE SUBBAN GRAVET	40		۰۰۰ بقد
10				@3cm: 2" RLACK SUBBAND GRAVET	_		6.
				C voice yespens in the	- L	49.7cm	. •
I -							4 .6.
60					50		
					-	F2	1. 0
`) -	S						1.6
ſĖ					<u> </u>		
80					80		
-					E		6
					F		
					Teo		. •
Leo				GAND OF COAL PARTIES		1.0	
				CAN UF CONF @ 101 CM	F		
		1			H		
120					م		
					_		
-							
					_		
					-		
_							
					F		
-					-		
-							
							
				*	\vdash		
) [-		
7 -					\vdash		

* 5 ATTEMPTS /4 COLLECTED (ATTEMPT & 3 REJECT)

4 NOT PROCESSED/LOGGES = EXCESS MATERIAL

Page _ _ of _ _ _

ATTEMPT #5 PROCESSES BECAUSE LONGEST CORE (ALL CONSISTENT LITTED)

Sed	ime	nt (Cor	e Processing Log	•	ANCHO	OR
Job:		4 Duv		T 7 0 1	Y	G QEA S	
Job No	. 18	0067-	02.02		1025		
No. of S				Core Logged By: S. STREHL			
Drive L				(106.7 cm) Attempt #: /	Vibracore	☐ Diver Core	
Recove				7041	Vibracore	☐ Diver Core	
					Poor	Disturbed	
Notes.	reaces	500	07	イニ 81.5 / Core Quality 区 Good 日 Fair			
Recovered Length (N) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Const with Additional Constituents, Sheen, Odor)	Rec	Sample	Summary
		95	5	0-87 cm: poonly GRADEN SAND (SP)	-		
=		` '		MED. DENSE, MOTST, BROWNIGH GREY, F-M	en [_	
				MULTE COLONER GRAFATER SAND.	The second second	IT681	Ø :
20					20	IT68 36.7cm	6
-				- SATURATED @ 27- 54		200	🖑
				- SUB ANGULAR GAMEL UP to 1/2" @ 22,44	1,48	36.7cm	·
<u>ч</u> о				- 1/4" GREY CLAY CLASTS @ 18, 26	40		ابسنيد
				- 2" STICK @ 40	_		
					-		
-				- GREY CLAY CLAST W/ 1/5" BLACK ORGANICS P 55-62	s [7
0 ما				6 55-62	60		Can's
				- 004.055	÷		· ·
) - 1				- ORANGE OKTOIZED STAFFURNG@ 74-77			. +
					<u>=</u> 0		2
80				186	80		
-							
				END OF CORE AT 87 CM			
l loo					100		
Leo							
					<u> </u>		
-					-		
					<u> </u>		
				2	-		
					-		
 					-		
						1	
					-		
					-		
-							
) E I					-		
I -	r i	I	I .	I		1	

Codin	4	<u> </u>	Drocos	ing Log			& ANCHO	OR
			e Process		T=1087		G QEA #	2
12.	DC4 Duy 180067			Station ID: Date/Time:	5/18/39	0741)	
No. of Sec		OZ.OZ		Core Logged By	S STREET			
		FT	(97,5 cm)	Attempt #: 3		71	[] D: O	
Recovery:			SORT	Type of Core Diameter of Cor		☑ Vibracore	☐ Diver Core	
% Recove			50M = WO 11	Core Quality	☑ Good ☐ Fa	ir Poor	Disturbed	
	0007709	13	1			Cu		_
Recovered Length (A) S	%	Size % Fines	(Density, Moisture	Classification and c, Color, Minor Con dditional Constitue	stituent, MAJOR Con	ered	Sample	Summary Sketch
	-		n 93 5 cm	· S-1 - 84	UN (SM): MED	-DestSE		40.00
	80	20		•	•			
					FG SAND, GRADES			
20				: METAL FRAC	•	20	ITLAR	(, " , '
			@ 3	5,49: 1/4" 61	LEY CLAY CLAST			1
<u> </u>			@ 7	16: 14 STEC	eu.	-		Ø _j
40						<u>40</u>		111
						E.	45.0cm	100
	7					F 1		11.
60			08	4: SUB KULTUSE	os appret 42"	60		1111
						-		20 (201
) - [1
						80		11.
<u>80-</u>						-		
						-		(.J.
								1.4
100			EN	n of cone o	2 97.5 cm	<u>JB0</u>		
_						-		
120					¥	12.0		
						_:		
140						140		
						Ľ.		
						160		
160								
						-		
180						180		
) E l						F		
1 - 1								
7.50	- 1	1	I			700		1

* 6 ATTEMPTS /5 COLLECTED (ATTEMPT #2 REJECT)

- 4 ATCEMPTS SEMMELAR LITHOLOGY: LOGGED LONGEST OF SEMMELAR LETHOS (3,4,5,6)
- NOTES RETAINED FOR ALL COSE

- NOTES RETAINED FOR ALL CORES

Sedi	ime	nt (Cor	e Process	sing Log	5	1	RANCHO		
			vamis		Station ID: 1T 683		×	GEA #		
Job No.			02.02		Date/Time: 7 2012021		-/pn	oction 1830		
No. of S					Core Logged By: 5. ST nett	<u> </u>	- 1.00			
Drive L					Attempt #: Type of Core	₩₩bra	eore	☐ Diver Core 🛭	CPT	
				SOAT	Diameter of Core (inches) 4 "					
				M= 77.8%.	Core Quality Y Good	☐Fair ☐	Poor	☐ Disturbed		
							cm			
Recovered Length (A) S	Size % Gravel	Size % Sand	Size % Fines	with <i>F</i>	Classification and Remarks e, Color, Minor Constituent, MAJOR Additional Constituents, Sheen, Odo	or)	ered Sered	Sample	Summary Sketch	
		95	5	0-166 cm :	pourly Grapes SAND (SI	·) -	-		-0	
				Loose Sana	THE , DARK GREET TO ZU CUI,	THEN			.0.	
				MED. DENSE	MODST, BROWN ISH GREY, FA	the to	20	1+6B3A	3	
20				MED. GAM	FNEY SANO.			,		
				@ 0-24	: TRACE SUB-ANGULAR GRAV	ven abe to		35.0 cm	7,73	
<u> </u>				AUIL	NON CHANGE TO DARK GR	~~/	पुरु	1,000,000		
40				@ UU_49	: nan 4 6AFY SELTY Stan 1	ens (sm)		17683B	MIHTI	
		h		0.44.	DARM GAFY SEUTY SHOW L FEWE- GRAFING SH	mo	-	(. 00	THE	
!							Ę.	58.3cm	100	
60							60	30 20		
ί⊢									3 2	
<i>)</i> E							_	17630		
80							80	61.6cm		
-				600 98	, 103,116,119,135,143,149,1 /4" GREY CLAYEY SOLT CLAS	57,159,163		na o		
				275,10	4" GREY CLAYEY SOUT CLAS	rs	-	1T6B3D	00	SEC
100							Too	1-11000	- COLUMN	Le
				[E44: 80	hul seut lens 1/4"			104.9em		
 - -								. 22		
				0	A: GREY CLAYEY SILY CLA	ST	120	17683É	00	
120				(2/22-12	n. givey conjet and	·	120	0000	1111	
								128.2cm	14.	
							H-1			
140							140			
							-	1T683F		
							160		@	
160					6			166 cm	0	
				C	of cone @ Nob cm		F		<u> </u>	
-			1	2 NO	all mine (100 ch	ι				
180							180			
4 F										
7 E				-			=			

Sediment Core Processing Log										
Job:		4 Duv		1 -: 5:1	Y	G QEA S				
Job No		0067-		Date/Time: 7 (19/2021 14:35	10	nocesses Elgi	5			
No. of S				Core Logged By: S. Smett		· · · · · · · · · · · · · · · · · · ·				
				Attempt #: 4 Type of Core Mudmole Vibra	core	☐ Diver Core				
Recove % Reco				Diameter of Core (inches) Y						
Notes:					Poor	☐ Disturbed				
					cul					
Recovered Length (N)	Gravel	Sand	Fines	Classification and Remarks	Recovered (Length)e	Summary Sketch			
g ge	% 8	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	ngth	Sample	Ket			
Rec	Size (Size	Size	with Additional Constituents, Sheen, Odor)	Re Re	S	🛚 🗸 🖊			
	S	0)					MA .			
-		90	10	0-148 cm: SAND WATH STUT (SM)-			المحل ا			
				LOOSE, SATURATED TO 36 CM, THEN MED. DENSE,	_	17684 A	ص			
25				MOIST, DARN GRAY, FINE GRATHEN SAND.	25		+44			
				@2 cm: OPLANGE ORIDITED STAFFIEM	_	37.1cm	بمند			
 				@ 3,11, 20,25,30,102: ORGANERS- ROUTS						
				@ 35, 105 : WOOD DEBRIS- FRAGMENTS UP 10 1/2"	50	116843				
50				955. Ly L8 20 24 20 50 05 0		61.6cm	©			
				@ 55, 64, 68, 70, 76, 79, 83, 98: SUB-RANDED GRAVELS UP to 3"	_	WI. O'M	Ø -			
-				@ \$053,60, GREY SILT CLASTS /4"	-	17.0010				
75				@71-78,67-90,96-98,166-110,123-127,	75	1T684C	Minnik			
∖ ⊨ I				131-133, 137-142: STEFF GREY SELT LEWES		86.5 cm	1.			
2 F I				ser is a series of the series	-	176840	Wir ircien			
(eo				¥	שטו					
				**	-	111.2 cm	niming			
					_	,				
125					125	1T684E	maditu			
125						1,127	aji in i			
					-		in truit			
				MINGHA CONTRACTOR CONTRACTOR	<u>_</u>	148.0 cm				
150		95	5	148-226 cm: POORLY GRADED SAND (SP)-	<u>120</u>	1T684F	Ø :			
				LEDSE, DARK GREY, MOTST, FINE TO MED.			1.			
-				Coder, and a	-	172.7 cm				
175				@153:1/2" BLACK STUT CLAST	132	- cill				
					-	17684G				
)			F	197.4 cm				
200				@214: 2.5" WOOD FRAGMENT	200					
			}		F					
			1			1T684H				
					200					
725					225	226-0 cm	·			
`) []				ENN OF CONE @ 22 b CM	E					
í -				2.6.7 0 1 3.5 .	L					
			11		7 6 6	л	1			

Page ! of !

Seo	lime	ent (Cor	e Proces	sina Loa		4	& ANCHO	OR
					Station ID: 17	1005	V	QEA #	
Job:		24 Duv 30067-			Date/Time:	7114/21 092	0		
Job No			02.02			519(3) 0°(2			
No. of			- 1	106.7		O · DTREAT			
Drive I				MIRWA CM)	17/366-566 (1) 1 2/4	Mudmole 📝 Vibra	COLE	☐ Diver Core	
Recov			en de				COIC	DIVEL COLC	
% Rec				S BOAT	Diameter of Core (inc		Dear	Disturbed	
Notes:	PROCE	:55EO !	90.	5. = 84.871	Core Quality	Good □ Fair □	Poor	□ Disturbed	
Recovered Length (%) §	Size % Gravel	Size % Sand	Size % Fines		Classification and Rem re, Color, Minor Constituer Additional Constituents, Sl	nt, MAJOR Constituent	Recovered Length (N)	Sample	Summary Sketch
	os .		25	SATURATED B DOWNISH COLON GRA MEDEM @16, @46	: STLTY SAND (to 72 cm then M then GREY, Fine Frey Sand, GRA -GRAFNED WATH 20,28,30: SUBAN GRAVEL UP to 2.1 -56: GREY SILT WOOD CHAP! WO OF COME AT 90.5 CM	DENSE MOTET; TO MED MEMULTI- DES TO MONE DEPTH. 4 /SUB RNO 5 " CLAST (MED STAFF)		I7685 38.2cm	
							-		,

*5 ATTEMPTS /5 COLLECTED AS LONGEST + MOST CONSISTENT to

Page of

Sedin	nen	t C	ore	e Process	ing Log			1	RANCHO	
Job: A	OC4 E				Station ID:	IT686		×	QEA SE	
Job No.	18006		2.02		Date/Time:		1000.11	ROCES	ser: 1145	
No. of Se				1 ()	Core Logged	By: 5, STRE	ELFL			
				100.6 CM	Type of Core		e 🔀 Vibra	core	☐ Diver Core	
% Recovery	erv: 9	7.0		ON BOOKT			y "			
				M = 96.4 /1	Core Quality	✓ ✓ Good	☐ Fair ☐	Poor	Disturbed	
🌣 🔁 :	ة I ه	Size % Sand	Size 6	with A	dditional Const	Constituent, MAJO ituents, Sheen, Od	lor)	Recovered A. Length (N) F	Sample	Sketch
20	9	0		LOOSE , MOFST	BLACKISH	TH SILT (GREY, F.GRAF 76: BROWN (GRATNES SI	FUED SAND.	_ _ _ <u>70</u>	IT 686	
					ORGA NTC3		ALIO EENS	_ <u>ए</u>	43.4cm	
				C		MED. DEN!		00 - -		
780 - -				EN	ov of con	EP 97 CM		 - -		
								- - - -		
								_ _ _		
									-	

Sed	ime	nt (Cor	e Processing Log	4	RANCH		
Job:		4 Duv		17:011	1	GEA S	2	
Job No.		0067-			1 /	nocessare 1810	·	
No. of S			_	Core Logged By: S. STREHL	/'			
				213.4 an Attempt #: 3		Diver Core		
Recove				Type of Core Mudmole Vibra	core	☐ Diver Core		
% Reco				Diameter of Core (inches) 4 Core Quality Good Fair	Poor	Disturbed		
Notes.	Marca	264 ·	1554	DIV TO TO.			=	
Recovered Length (N) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Secondary	Sample	Summary	
E		90	10	0-153 CM: poorly GRAVED SAND (Sp)- MED. DENSE, MOIST, BROWNESH GREY, FINE	_	IT694 A	317257	
20				TO MED. GRAFNED, CO-6CM! WITH SFLT, ROOTS	20		\$7 .77 55 54	
lEl				COALSE - ANGULAR GRAFINE LEWSES. CHARLOAL-LIKE MATERIAL		32,3 cm	ماه شدوه ۱۰۰۱ (۱۰	
<u>40</u>				@46: 1/2" wood Fragment	<u>40</u>	IT694 B	و و مروار و	
				@56-60: 50% WOOD DEBRIS LENS-SHREDS,	_	53,8cm		
<u>60</u>				@ 60-62, 70-75: GREY SELT LONS	<u>60</u>	IT694C	natuti	DE GI
\				@ 75-77: RED BASCK-LIKE MATERIAL +	_	Comp. Co.	1. 11 11 1	
7 - 1				FINE GRAINS, CONSOLSDATED CHUNKS, LENS	-	75,3cm	Mauria	
50					50		1377	
ΙĒΙ						IT6940		
- [50			j.) = 0		100	96.8 Cm		
						IT694 E		
- [20					120	118,3 cm	Ī	
-				¥	-	G+10. P		
		8			_	IT694F		
पिठ					TYO		30	
					_	153.0 cm	×2.53	•25
ا امعاً				END OF WIFE @ 153 am	_ [00			
					-		I	
-							1	
					-			
180					120			
) [l			f	[
[-]					-			
- Li		11	100	r	P. Company			ı

Page____of ____

Sed	ime	nt (Cor	e Processing Log	1	2 ANCHO	OR.
Job:		4 Duv			7	PAULISSED @ 1015	_
Job No No. of				Date/Time: 7 (5) 080	9	/ processes @ 1013	
Drive L	ength	2.4	FT/	73.2 cm Attempt #: 5		D Diver Care	
Recove				Type of Core Mudmole Vibra Diameter of Core (inches) 4"	core	☐ Diver Core	
				cn = 98.4 /, Core Quality X Good Fair	Poor	Disturbed	
Recovered S Length (A) S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered S Length (R)	Sample	Summary Sketch
F		TO.	90	0-26 CM : SILT W/ SAND (ML) : VERY	-		130/
				SOFT, SATURATED, BLACKISH GREY, FG SAM	F		7
20				- PEACOCK SHEEM FLOWARTTE @ 5, 12	20	TIC91	1100
ΙF				- 24 word FRAGMENT @ 9	-	7	eleti.
-				- WOOD DEBARS : ROOTS /STECUS @18,14,20,25	F		المغذاد
पुर		95	5	26-78 cm : POORLY GRADED SAND (SP):	40	44.28 cm	مده
-				MED-DENSE, MOTST, BUXCUISH CREY, FINE TO	=		
				MEDIUM RANFACTO SAMO, TRACE COMASE SAMO	<u> </u>		
هط ا				- wood DEBNIS: SHEEDS /STOCKS @ 33, 37,43	_	ı	
-				- 14" enter debets @ 38			• •
80				-2" BLACK SHALE FRAGMENT @ 39	80		
ΙF				- 1/2" BLACK STUT CLAST @ 41	E		
					F		ll
100				END of coni @ 78 cm	100		
ΙF					-	15	
ᅡᆫ							
 					-		
					E		
I ⊢ I					L		
I⊏					F		
-					E		
					-		l I
				*	-		
					F		
					_		
					F		
					L		

Sediment Core Processing Log										
Job:		4 Duv		100 (1)	V	J DEA S	z			
Job No		0067-			45	3 / processes (1545			
No. of S		ns: 1		Core Logged By: S. STREIN						
Drive L	ength	: 274	3 CM	Attempt #: 8						
				Type of Core Mudmole Vibra	core	☐ Diver Core				
				Diameter of Core (inches) 4	_					
Notes:	proce	55eg :	202	cm=73.61, Core Quality X Good Tair	Poor	Disturbed				
Cm			<u> </u>		con					
8 €	Gravel	Sand	Fines	Oleration and Remarks	Recovered Length (R)	υ	ے جٍ			
Recovered Length (II)			i <u>E</u>	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent,	it e	Sample	Summary Sketch			
S E	%	% e	% e	with Additional Constituents, Sheen, Odor)	ecc	Sar	jig			
~ 기	Size	Size	Size	,			"			
	-0,	_	_		-		+			
- I		20	80	0-16cm: SANDY STUT (ML)- SOFT, SATURATIN,		ITG98AX	Jan.			
				DARK GREY, FERE-CRAFINED SAND, TRACE	E	101017	111-1			
				MULLICS - ROOTS.	-					
20				@lan: 7cm Wood CHANK - POSSABLE/	20		D/			
 				TREE ROOT FRAGMENT	E	714000	10.00			
					F	34,0 cm	a.°			
	5	90	5	16- ZOZ un: POURLY GRADEN SAND (SP)	Tra	mm = 1.0 (. 0) /				
40		95	5	LOOSE, MOSST, WHEN GREY, FAME TO COMESE	40	IT698BX	3.			
				GRAFINES, TRACE SUB-ROUNSES GRANT.	- ⊢	5611 cm				
7.0				@ 24 : GRAY STUT CLAST 1/2"	Бо	ALC: N	1.20			
60				C = 1 Gipty such Class 72	80	IT698 CX				
\ -				@34-202: GRANES TO FAME TO						
<i>!</i> 🗀					-	78.2 cm				
<u>-</u>				MESTIN MULTICOLORUS GPAFALLS	90					
<u>ŝo</u>				sans.		IT698 DX	100			
					F		4			
					-		10.4			
100				<u> </u>	100	1003 cm	35.00			
100										
				4	_	ITU98 EX	1.1.4			
_					- 1		3			
120					120	122,4 cm				
100							247.55			
					-	IT698 FX				
				@134: 2" SUB-POLINDED GRANEZ	-		0			
140				City(- 2 200 photores distribute	140	idald &				
				CIYZ: FINE SUB- POLANOS GAMEL		144,5 cm	1100			
				CIGE. PANE SUM POUNTED WANTED	H	TTIBOCY	11.00			
					-	IT6986 X	7.1.			
160				42	100	15.1				
				IT698651X - Internals included: Bthru M.	-	1666 cm	17.24			
_				+101000th Tollows 5 Consection	-	13.4				
-				interval H includes 13.3 cm from core botton, which did not have enough material to make its own sample (I interval).	L	THICKILL	1. 1. 1.			
180				which did not have enough the val	180	IT 698HX				
				make its own surple (I more)	-					
) <u> </u>					-		1 1			
-						202,0 cm	17.			
2002					2002					
2007				END of cone @ 202 cm	Page	e 1 of <u>1</u>				
				- 17 THE	rayt					

Sed	ime	nt (Cor	e Processing Log	1	RANCHO	
Job:		4 Duv		h Station ID: (T698 (Y)	Y	G QEA S	
Job No		0067-	02.02		/PM	ocesser @ 1635	
No. of				Core Logged By: S. STRETH	100 00		
Drive L				Attempt #: 7 Type of Core Mudmole Vibra	core	☐ Diver Core	
				Type of Core Mudmole Vibra Diameter of Core (inches) 4"	00/0		
				Core Quality Y Good Fair	Poor	☐ Disturbed	
					T 411		$\overline{}$
Recovered Length (和) ≶	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (代) 字	Sample	Summary Sketch
—		20	80	0-3 cm: SANNY STUT (ML) - SOFT, SATURATED, BROWN,	-		0.
⊨	_		ا ـــ ا	FINE-GRATING SAND ODGANICS- GRASSES			0
	5	90	5	3-175 cm: poorey GRADES SAND (SP)-	20	1T698AY	S. O.
20				LOOSE, MOIST, BROWNISH GREY, FINT TO MEYERM		7. 070711	
				GRAZINO, SOME CONTESE SAM, TRACE SUG-			
				Powerer (phroil (fine).	-	. 35cm	0 - 0 - 0
40		95	5	@15: 2" sug-Darwer Gravez	40		1.5 6
				(GRANTITE-LIKE)	-	1-1902Y	
				@19: 1" SUB-ROUNDES GRAVET	-	17698BY	(F) (F)
-			l	(GPHARTEC - LIKE)		. Seen	
<u>60</u>				C.35 : GRAPES TO FAME TO	<u>60</u>		
\ []				MEDTIM MULTICOLINES	_	17698CY	
í E				GRATIMON SAMS, COLOR		(18700)	V
80				atanks to one ary.	80	Blem	
						LILGEOV	
					-	17698DY	
lop					100	104cm	
					-	10901	
-					-		
				CHY: GRAY SALT ARD UP CLAST	_ IZo	1769BEY	Ø ·
051				, , ,		127cm	
					-	TETEM	
 -				@132: FINE Sug-Ranses Epoter		- 0.01	
140					140	17698FY	
_					-	156cm	
_						CSOCM	7.5.2
					Tho		
160				y: 20.9.4.	Tab	1769864	
				G102: BATHATOMORPHEM MARKETATURE AFRICATIONAL		,	÷
_				144 WOOD CHIP (BAKK-LIKE, FLORGICE /SOFT)	 -	(75cm	1.5
(80					150		
				END OF CONE @ 75 cm	-		
<i>1</i> –					E		
				17698652-includes intervals 134hry 6			

Sedime	ent (Cor	e Processing Log	4	& ANCHO	
	C4 Duv			Y	GEA S	2
	80067-			:24/	PROCESSOD: 123	U
No. of Secti	ons: 1		Core Logged By: 'S. STNモHレ	- V- (
Drive Lengt					— — • • • •	
Recovery:				bracore	☐ Diver Core	
% Recovery			Diameter of Core (inches) 4 ' Core Quality X Good Fair	☐ Poor	Disturbed	-
Notes: proc	essey:	450	cm = 27.5 L Core Quality Good □ Fair	<u> </u>	Distarbed	
Recovered Length (*) S	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent with Additional Constituents, Sheen, Odor)	Recovered (*) FL Length (*)	Sample	Summary Sketch
	95	5	0-45 cm : POURLY GRADES SAND (SP) -	-		2 72
-			LOOSE, WET TO 9 cm THEN SATURATION,			*
			BROWNISH GARY, FFAT TO MED FUN	20	itica.	
20			SAND. TOP 2 cm: woom Fragments +		17699AX	
			organaes.	-		E
1 - 1				-		
46			4	<u> </u>	45cm	
				-	136117	<u> </u>
1 - 1			Em of Copo @ 45 cm			
			·	- a		
<u> </u>				<u> </u>		
! -						
2 E L				\vdash		
1 ⊢ ∣						
I - I				-		
1 - 1						
				-		
 -						
				F		
				-		
I ⊢I						
				-		
1 -						
				_		
1 -						
				<u> </u>		
I						
1 -						
Y [=]				_		
1 -						
1 =						

Sediment Core Processing Log										
Job:	AOC	4 Duv	vamis	sh Station ID: 17699 (4)	Y	G QEA S				
Job No		0067-	02.02		1/	nocessen @ 1300				
No. of S			-	Core Logged By: \$ 5. 57NEUL	S 181 X					
Recove				Attempt #: 2 Type of Core Mudmole Vibra	core	☐ Diver Core				
% Reco				Type of Core Mudmole Vibra N BOAT Diameter of Core (inches) 4"	20010	_ Bitor Goto				
				= % 11, Core Quality Good Fair	Poor	Disturbed				
Clas										
Recovered S Length (N) §	Gravel	Sand	Fines	Classification and Remarks	Recovered Length (K) &	<u>ə</u>	ary th			
l gth	%	%	%	(Density, Moisture, Color, Minor Constituent, MAJOR Constituent	og fb	Sample	Summary Sketch			
Ler Re	Size	Size	Size	with Additional Constituents, Sheen, Odor)	Re Le	S	ns s			
\vdash	os _				<u> </u>		711114			
		15	85	0-4cm: SANOY STUT (ML) - VERY SOFT, SATURATES,		İ	100			
		95	_	BROWN, FENE GRAFILM SAMM, OLGANICS-POUTS	-		3. 1. 1.			
20		15	5	4- 70 an: Powery GRADEN SAND (Sp)-	20	17699AY	1.			
				LOUSE, MOIST, BROWNESH GREY, FIRE TO	E	1164-141	1.1			
				COARSE SAND.	F		1. 1. 2			
40				C42: FINE SUB-LANGUME GRAVE	40	41.4cm	3.57			
-				C48: 5cm sus pointed GRAVEL	-					
				Citi. I'm This pointed GAME		17699134	1			
60				2	_ 	(107310)				
					_	7-				
) E I					E	FOCM				
80				END UP cont @ 70 cm	80					
					<u> </u>					
					_					
l —I					_					
					-					
					ᆫ					
					-					
-					-					
_					- I					
					<u> </u>					
					-					
F					-					
							 			

Page 1 of 1

					e Processing	g Log ation ID: 17699	2	V	C ANCHO	OR	
	Job: Job No. No. of S	. 18	4 Duv 0067- ons: /		Da	te/Time: 8/2/202 re Logged By: 5-57	21 12/15	11:5	3 / processas	: 1345	
	Drive Le	ength	27		ON BOAT TYP	empt #: 5 be of Core	dmole 🔀 Vibra	core	☐ Diver Core		
	% Reco	very:	83.3	1	ON BUAT Dia	meter of Core (inches re Quality 🛂 Go		Poor	Disturbed		
	Recovered Length	Size % Gravel	Size % Sand	Size % Fines	(Density, Moisture, Col	sification and Remark or, Minor Constituent, Nonal Constituents, Sheer	AJOR Constituent,	Recovered & Length (#) }	Sample	Summary Sketch	50-1
			80 95		BLACKTS 4 GREY, F	AM (SM) - LOOSE THE GRAFIED SAM GRADED SAMO (SP	,		IT699 AZ	******	
	<u>26</u> - - -				SAW . 05-6	iner, Fine to au 98! Tradic Stist ! 1" Danu Grey Sti	er. applied	<u>20</u> - - -	. 37.5 cm		3Pet long
	1 8				@ 30-	39: PANU GREY S 1/2" formous arms	FUT LENS	<u>40</u> -	IT69913 Z	0	
	<u> </u> 		loo	×	668- 874, 6	194: GRADES CUI MULTE-COLORAS	HOSEN, NO	<u> </u>	68,0cm		SOFT CONTACT TRANSTER
	<u>80</u>		(44)		Pn #5.	MULTE-COLORES ENT, PRIMAREN E TRACE	-M SAND, COAMSE,	<u>Ko</u> -	17699CZ 93.0 cm		TO MATERIAL MATERIAL @ 68
	- 100							B 	IT6990Z		
13(0.1.0)N	- 120 -	v			C132-15	Tb: VOIN/ CU	osep t		118,0 cm IT699 EZ		
	_ (<u>40</u>	ş				L	gasen	129	143.0cm		
NOTO/ NOTO/	_ [60					included A+B		<u>π</u> σο 	IT699 FZ		
	80 - -				176996527	include ethru	6 intenals	 - %0	168.0 cm		
9	700				EN OF PRO	1855EQ CONE C	194 cm	700	194.0 ca		7

* WINDWARD NOTED MATERIAL FELL OUT BOTTOM AFTOR 228.6 MERSURENMENT CAUSING VOID. VOID CLOSED + LOLAND. TOTAL PROCESSES CENCITY IS 194 CM

Page___(of !_____

Sediment Core Processing Log										
Job:		4 Duv			¥	G QEA SE				
Job No		0067-		Date/Time: 7/26/21 15:10 /7 Core Logged By: 5.5TREHL	ROCF	ssess @ 1015				
Drive L				Attempt #: /						
Recove					core	☐ Diver Core 🗵	CPT			
				Diameter of Core (inches) 2.75 " Core Quality Good Fair	Poor	Disturbed				
			Cun							
Recovered Length (N) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Ped (€	Sample	Summary Sketch			
-		95	5	0-89cm: poorly RRADES SAND (Sp)-	-		6			
				MED. DENSE, MOGST, BROWNISH GREY,	_	7.11	 			
20				FENT to MEN. GRAFILLY SAMS.	20	17701A				
				@4,8,14,24,32,36,80: 1/4" (IGHT	-		(B)			
				BROWN STIT CLAST	Ε.	37.5cm	ψ			
<u>40</u>				- 01 00 01 00 N	<u>40</u>		0::			
ΙFΙ					E					
				@57-63: OKIDIZEN LIGHT BROWN SILT		17701B				
60				LENS	<u>60</u>	62.5cm	iiiii			
					-	0 2.30	11:10:			
) E I						1				
80					₹0	1+701C	· · ·			
				@83-87: BROWNISH GREY STUT LEWS	F .	87.5cm	14410			
						177010 [Partial] 69.00M	Fin			
100				END OF SECTEON #1@89 cm	100					
-										
					- 5					
F										
				8						
					-					
					F					
-										
'i El										
(El										

Drive Length: 如版版 2.75 FT Attempt #: 1	Sediment Core Processing Log Job: AOC4 Duwamish Station ID: T70 -2 Date/Time: 3/26/21 B: 2 processing C to 20								
Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor) PROPERTY OF SECTED 2 @ 89 cm Rep. 155 cm: Poonly Granes Samm (5P) Men. Denset, Morse, Daru Grey, Fame To men. Granes Sams. (89 - 110: Urane of Sectors of Sectors of Sams	Attempt #: Type of Core Mudmole Vibracore Diver Core Diameter of Core (inches) 2-75	Core B C P T							
START OF SECTION 2 @ 89 cm 89-155 cm: poonly Grapes Stam(5P) MED. DENSE, MOIST, DARM GREY, FINE TO MED. GRAFNED SAND. [120 170 189-110: OPANE E OKFOIZED STAFFINAL 1140 1140 1155 cm	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Summary Sketch							
	80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ehin)							

TOTAL LENGTH OF IT701-2 = 66CM

Page 2 of 2

Sed	me	nt (Cor	e Processing Log	V	P ANCHO		
Job:	AOC				10	201655CM 173		
Job No.		0067- ns: (02.02	Core Logged By: S. STAFFA	11			
Drive L			1 cu			☐ Diver Core		
				Type of Core Mudmole Vibrac Diameter of Core (inches) 4"	core	Diver Core		0
					Poor	Disturbed		
0000					CM			
Recovered Length	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered Length (N)	Sample	Summary Sketch	
- - - - 20		20	50	U-115 cm: SANDY STIT (ML) - VERY SOFT, WET, BROWN TO LOCK THEN MEN. STIFF, WHEN MENTS, OHTHE ARRY, FINE-GANTHUS SANDS, ORGANICS- NOOTS	- - - - 20	IT702AX	*** 	
_ - <mark>५</mark> 0				CO-10: PERCOCK SHEEN FLURETTES, NO COOMS C7: ORANGE-RUST STAXNED VESTCUME 1.5" METAL-LIKE FRAGMENT	_ - - -	39.5 cm		—CLAYEY Sect
				@10-19: FIRE TO COARSE-GANFAEDS SAND CLAST	_ _ _ _ _	ITTUZBX	TTTT	
90				@ 34:4" wore DEGRES CAYER	_	65.8cm		
) <u>E</u> l				E36550: GRAMM STIFF, GREY, CLAYEY STUT LENS WITH ORGAMECS-ROOTS	F	IT70LCX		
<u> জ্</u>				P 71: BLACK OPGANGES (ENS (1/8")	80			
		i		P68, 95,89: GREY CLAYEN SELT PER UP CLAST UP to 42"	_ _ _ _	92.1 cm		
100				@ 91-102: OPANGE - OVER EZON STAFREN	-	21702DX		
				FITHE-GRAFINED SAND LOWS	F	115 cm	حجته	— P.FP EASA:
120			1	COAGE GRATHER SAMS LEWS	170			FARA
				CLOS: FABREC-LINE / PEP-12 Ap - LINE MATERIAL	_ T40	2		
140				END OF CORE @115 cm	_			
- 160					م <u>طا</u>			
				¥				
80								
'E								
1 E							¥	

* PEACOCK SHEEN (PATHIBON) ON OVERLYTHIS WATER AND U-LOCK SETTIMENT SURFIXED, NO COMUNS

Page__l_of ___

Job: Job No. No. of Drive Recov % Rec	AOC 5. 18 Section Length rery: (covery:	4 Duw 0067- ns: [: 198. 75.3	vamis 02.02 1 cu 5 cu	Date/Time: 8/3/2021 (650 / Core Logged By: 5.571/44) Attempt #: 4 Type of Core Mudmole Vibra Diameter of Core (inches) 4 '	pnr(QEA COTE Diver Core		
Notes:	proce	ssen	: 169	cu = 85.31, Core Quality	Poor	☐ Disturbed		
Recovered Length (ft) S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered S Length (N) &	Sample	Summary Sketch	
25	2	20	පි ව	0-141 cn: SANDY STUT (ML) - VERY SOFT, WET, BROWN, FINE GRATHEN SAND, ASWINSHIT GRASSES TO 9 cm & @9-16: SMILLOSE, SATURATED, BROWN, F-COARSE SAND LEVS	_ _ _ _ _ _ _	1770244	***	LAUTHES
40				16-42: 86 VERY SOFT, SATURATED, BLACK, FINE GENTLES SAND, ABUMDANT ANTHROPOGENER DEBPES-GUASS, METAL,	_ <u>40</u> _ _	38.4	*	DEBRIS AREA WI SHEEN
_ <u>اد</u>	,			ASPHALT CERAMEL FRAGMENTS, SHEEN, SUIGHT HYDROCARBON LIKE CHOURL @21: FABREC MATERIAL	<u> </u>	17702BY		
\ E					_	.9	1	
80				@26,33,38,44,61,700 PERCOCK SHEEN FLOWERTES @43: OHANGE CROEDEZED STAFMEN SAMP CLAST	- <u>ह</u>	17702CY	23004	
				FINE GRASHUS SAND, TRACE URGANICS-ROOKS		89.6cm	+	Í
le				8 54, 70, 887 W 117, 176: 1/2" GREY FG SAND LENS	<u> </u>	177620Y		
ΙĒ				C58-61, 109-114: BLACK ORGANICS LENS WETH WOUND NEBBES /FRAGS	_	115.2em		I
120	?			C 87, 96, 130, 139: ORGANICS - NEEDS	<u>[20</u> - -	(T702EY		a
14				AND STATE	교이	140.8cm	Thu	
	4			@ 90: 2" STELL	_	190.00	6	
ΙF		90	10	141-169cm: WHAM SAND WATH SECT (3M)	E I		° Ø.	
160	6			DENSE, MORST, DARK GREY, FAME GRAFINES SOND.	<u> </u>	1 TTOZFY		
	1			@144,147: 18" GREN STUT CLASTS		169cm		
				@ 153-156: ORANGE OXEDERY STHEMMY	Ē	10 (6.1)		
18	ø			END OF CORE @ 169 CM	<u>I</u> BD			
1 E				17702651 - includes internals A-F				

PG: FANE GMARNED FRAGS: FRAGMENTS Page___l_of ____

Sediment Col	re Processing Log	RANCHO	
Job: AOC4 Duwami Job No. 180067-02.0 No. of Sections: J Drive Length: 121.1 cm Recovery: 79.2 cm	Station ID: T 763 X Date/Time:	OFA STATE OF OF OF OF OF OF OF OF OF OF OF OF OF	
Recovered Length (N) Size % Gravel Size % Sand Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Sample	Summary Sketch
75 95 95 95 95 95 95 95 95 95 95 95 95 95	10-59cm: STLT (ML) - VENY SOFT, SATURATED TO YOM, THEN SOFT, MOSST, BLACKESH GRAY, FANE GRAYANDO SAND. Q4-7: GREY FANE GRAYAND SAND LENS Q3,11,19,43: ORGANICS - ROOTS 59-77cm: POWALLY GPAOND SAND (Sp) - LOUSE, MOSST, BROWNESH GREY, FANE TO MEN. GAYANDO SAND. C69-75: ORANGE OXFOEZED CLASTS, BATCH-LILLE DEBRAYS, MED. TO COMOSE SUD. ANDULAN SONS RULNING GRAVELS LOO END OF CONE Q 77-CM	28.4cm (+703BX 47.4cm 1+703CX 59cm 1+703DX 7+cm	2000

Sed	ime	nt (Cor	e Processing Log		1	ANCHO	
Job:	AOC	4 Duw	/amis	h Station ID: T703 (Y)		, Y	G QEA SE	
Job No		0067-			0:00/	ppo	(e7501 W 171	5
lo. of S		ns: I		Core Logged By: S. STnate	1	<u> </u>		
rive L					F=1			
				Type of Core Mudmole	☑ Vibra	core	☐ Diver Core	
% Reco					Fair 🔲	Poor	Disturbed	
Notes:	proce	550y 7	120	m= 492 L Core Quality ⊠ Good □ I	all 🗀	FUUI	□ Disturbed	
Recovered Length (N) S	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Co with Additional Constituents, Sheen, Odor)	onstituent,	Recovered C Length (N) S	Sample	Summary Sketch
-		95	5	0-120 cm : Pourry GRADEN SAM	sp)	-	1T703AY	+14
				LOOSE, SATURATED, BROWNESH GREY TO 26			11705/1	
						20	00.1	be.
20				THEN LOOSE, MOTST, BARK GRAY, F			22.1cm	. 42
				TO MEDERA GRAFAGO SAND, TPAKE	É		17703BY	14111
=				oratorics - roots.		-	36.9cm	100
40				e o-zycm: ontwee opposses s	TATIVING	40		1111
							17703CY	LITTE
-				@ 24-38,39-46: DARU GRAY SAND WITH CREANICS	7 200		51.7cm	((,,
				C42: 4 small wood frokements		7.	17-030Y	
60				C54: 3,54 STECK / CHIME		60		19.
5 - 1							66-5cm	2000
./ E I				C55: 1" STEER		-	17703EY	*
50				E 60: apases coarsen, tratte		<u>100</u>	81.3cm	, <u></u>
				CORRESE SANS.		F .		in ·
-				@ 85: Roors - CREARTES		-	1+703FY	
				C 86- 66: SATURATES			96.1cm	
w0						TOD	0 - 010	700
						<u> </u>	17703GY	
								74 - 6
						120	120cm	
no				EAN OF COME @ 120 cm				
				and of the City and				
-								
=	8							
						_		
-								
						_		
-								
						-		
						_		
JE						-		
ı (— I						1	1	

I	Sed	ime	nt (Cor	e Processing Log	7	QEA S		
١	Job:		4 Duv			7			
_	Job No.		0067-		Date/Time: 8/3/2021 (1:37-	11	ROCES 5 IN 4 CO 131	7	
	Drive Le								
١					Type of Core Mudmole Vibra	core	☐ Diver Core		
	% Reco	very:	76.3	37.	ON ROAT Diameter of Core (inches) 4"	Dear	Disturbed		
	Notes:	PAOCE	४४६७	: 171	cm = 70.19 L Core Quality Z Good Fair	Poor	Disturbed		
	Recovered Length (11) §	Size % Gravel	Size % Sand	Size % Fines	Classification and Remarks (Density, Moisture, Color, Minor Constituent, MAJOR Constituent, with Additional Constituents, Sheen, Odor)	Recovered S Length (N)	Sample	Summary Sketch	
١			20	80	0-40cm: SANDY STUT (une) - waser VERY	-		144	
ı					SOFT, WET to 7 cm, THEN SOFT, SATURTED,		IT703AZ	انانانا	
ı					BLACUDEL GREY, FINE GRAFINED SAMD,	_ 2b	41703116	1111	12
ı	20				TRACE UNRANGES - ROOTS	48		1111	int
1					@5,7: BIOTA - OMANGE WARMS	- 1			ae.
	- 5				@18-21: GREY FEWE GRAFFLES SAND LEWS		40,0 cm	1	1000
	40				ezo: retro	4.0	<i>N</i> ,0 cm		8 0
			15	5	\$40-171 cm: poory GANOGO SAM (Sp)-	-	IT703 BZ		
					LOOSE, MOIST, WAPIL GREY, FINE TO MED.		41 704		
	60				GANTHUS SAND.	T00	61.0 cm		
	60				P76: 3" 8+ \$ CK				
-) E l				@76,78,80,84: WOOD DEBRIS - FORAGHEMS	}_	IT703CZ	4.3	ĺ
1									
	80				40.1.00	80	820cm	4	
					CS8-100: DARU GREY STUT LEWS		ET 703 DZ	aliti	
					WATH TRACE LLOUD DEBMES	_			
	Lea				@ 99: GLASS FRAGMENT	100	100,0 cm	TRA	
					@ lov: GRADES TO FINE TO MED.			5	
					MULTICOLORUS GLATINGS SANS WITH	-	1T703 EZ		
						Ę.		re ·	
	120				@ 120: SUB- POURSES GRAFEL (FINE)	Izo	14.0 cm		
					QUARIZ-CIKE		17703FZ	75	
					3 @ 126: GRADES TO FINE TO MEDIUM \$	-	11/01/2		
	Typ				3 muriculario Grafino SANT. NO 3	TYD	142,0cm	1	
					3 COADSE SAND, NO GARVEL &	-			
					The state of the s		IT7036Z		
					END OF CONE @171 53	160			
	مطا				END OF CENTE @ 171 5-3-2				
					-	[171.6cm	-	ŀ
	-				177036512 - includes intervals Extent,				
	180				177036516	120			
Į.	\ F1								
-	7 E								
П	1 1 1		I.	1		100	1		4

	1
TVT	1/mord
W/11	Ward LLC
4 4 117	environmental LLC
-	

Project Name:	LDW AOC	4-Ph2	الع	Pi	roject no.:				
Date:	7.16.202	.]			Weather: _OVERUSH, 60S Crew: GR, CD, ES, RM				
Sampling Method:	power g	rab	_						
	Location ID: SS500								
GRAB DATA	On armored slo	pe (Y/N)?	N		Depth o	of overlying sediment, if known (cm):			
Latitude/Northin	g(Y): 19774	18.04			Longitu	ide/Easting(X): 1273164.94			
Grab time	Bottom depth (m or ft)	Penetrat depth (c		Acceptable grab (Y/N)		Comments			
1203	19.01 ft	190	m	7	tide	=7.19 (LOW RTK indestration)			
			30		mud	line = -11.8 ft MLLW			
						- 1 ft from target			
SAMPLE DATA	Sample ID:	DW21	-35	500	1				
Pre-homogeniza	tion analyses (ci	rcle): V	OC :	Sulfides	Ammonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color		Sedim	nent odor		Comments:			
cobble	brown surface		none		H₂S	a few worms present in sample			
gravel	drab olive		slight		petroleum	a few worms present in sample organic debris (shets, leaf litter			
sand (F(M) C)	brown		moder	ate	other:				
silt	gray		strong						
clay	black								

	/
TVT	1/mord
Win	d/ward
,,	environmental LLC

Project Name:	LDW ACC	4- Ph=5		ect no.:				
Date:	7.16.20	21	W		overcast, 60s			
Sampling Method:	power grab crew: SP, CD, RM, ES							
	Location ID: SS50							
GRAB DATA	On armored slo	ope (Y/N)? N		Depth of overlying sediment, if known (cm):				
Latitude/Northin	g(Y): 1977	92.02		Longitu	ide/Easting(X): 1273197,88			
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments			
1212	1212 24.2 Ft 16 U			tide = 6.90 ft (PTK hde station)				
				mudh	ne = -17.3 ft MLLW			
					+ 3.4 ft from target			
				DODG	1 3.1 (1) (19.5 3)			
SAMPLE DATA	Sample ID:	DW21-S	S501	1/				
Pre-homogeniza	tion analyses (ci			nmonia	AVS/SEM TPH-P Other:			
Sediment type	ediment type Sediment color		iment odor		Comments:			
cobble	brown surface		е) н ₂	<u>s</u> S	trace would debris and			
gravel	drab olive	sligh	nt pe	etroleum	organic outrs			
sand (F) M C)			lerate ot	her:	organic debris trace shell fragments one warm in sample			
silt			ng		one warm in saview			
clay	black				195			

	1
X X/ 7.	1/1
\X/11	nd/ward
VVII	environmental LLC
	/

Project Name:	LDW AO	C4-11	1256 F	roject no.:			
Date:	7.16.202	.11		Weather:	ouveast, 60s		
Sampling Method:	power g	rab		Crew:	SR, CD, RM, ES		
CDAD DATA	Location ID:	55502					
GRAB DATA	On armored slo	pe (Y/N)?	N	Depth o	Depth of overlying sediment, if known (cm):		
Latitude/Northin	(Y): 1978	44.34		Longitu	ude/Easting(X): \273246.31		
Grab time	Bottom depth (m or ft)	Penetration depth (cr			Comments		
1223	29.00 ft	17 cm	n Y	tide:	= 6.90 ft (PTK hade Station)		
				mud	line = -17.1ft MLLW		
				abov	t 1.6 ft from larget		
					0		
SAMPLE DATA	Sample ID:	DW21	- SS502				
Pre-homogeniza				Ammonia	AVS/SEM TPH-P Other:		
Sediment type Sediment color		.	Sediment odor		Comments:		
cobble	brown surface	C	none	H ₂ S	worms in sample		
gravel	drab olive	;	slight	petroleum			
sand (M C)	d) M C) brown		moderate	other:			
Silt	gray		strong				
clay	black						

	/	
TVT	1/110	10
W 111		ra
	environm	ental

Project Name:	LDW AOC	1.50		ect no.:	
Date:	7.16.20	21			overcast, 60s
Sampling Method:	hand-col	lect		Crew:	SR, RM, ES
	Location ID:	5S503			
GRAB DATA	On armored slo		J	Depth o	of overlying sediment, if known (cm):
Latitude/Northin	g(Y): +	97625	197624	Longitu	ude/Easting(X): \27'3\29
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
1620	_	10 cm	У		
SAMPLE DATA	Sample ID: (DW21-	55503	1	
Pre-homogeniza	ition analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment colo	r Sed	liment odor		Comments:
cobble	brown surface	cron	Ð H₂	s	
gravel	drab olive	slig	ht pe	troleum	
and FM C)	brown	mod	derate oth	ner:	
(sill)-traise	gray	stro	ong		
clay	black				

Wi	nd ward
	environmental

Project Name:	LOW ACC	4-thase	Proj	ect no.:	
Date:	7.16.202	1	W	leather:	ourcast, 50s
Sampling Method:	power g	ndb		Crew:	SP, CD, PM, ES
	Location ID:	\$504			
GRAB DATA	On armored slo)	Depth o	of overlying sediment, if known (cm):
Latitude/Northin	g(Y): 1976	681.99		Longitu	ide/Easting(X): 1273169.38
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
1112	10.91 Ft	llom	Y	hde-	= 7.97 ft (PTK hde station)
				mudi	me = - 2.9 ft mill
					+ 2.5 ft from target
				.,,,,,	
-					
SAMPLE DATA	Sample ID:	.DW21-S	5504.	41	
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	r Sec	liment odor		Comments:
cobble	brown surface none H			s	shell fragments agrotic veg. at surface
gravel	drab olive	slig	ht pe	troleum	agostic reg. of Sultace
Sand (FM)C)	brown	mod	derate ot	ner:	
silt	gray	stro	ong		
clay	black				

	/
TVI	Jamed
WII	Ward LLC
	environmental

	7/21/21 piwer gr Location ID:	ab 55505	W		FOS, SURRY KM, CD, RM, ES
GRAB DATA	On armored slope (Y/N)?				of overlying sediment, if known (cm): 1/4
Latitude/Northin	g(Y): 1977 2	0.85		Longiti	ude/Easting(X): 1273209.56
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
1440	21.8.4	17	У	9.0	5 ft (RTK tide station)
SAMPLE DATA	Sample ID: L	0WZ1-5	55505	-	
Pre-homogeniza	tion analyses (ci			nmonia	AVS/SEM TPH-P Other:
Sediment type cobble	Sediment color brown surface drab olive	r Sec		S	-trace organic material
sand EM C)	brown		•	ner:	
trake	1				

TVT	1 around
Win	o ward
	environmental LLC

Project Name:	LOW AOCY Phase 11 Project no.: 7/21/21 Weather: 705, 5000y							
	7/21/21 Weather: 70's, sunny power grab Crew: EM, CO, RM, ES							
	Location ID:	55506						
GRAB DATA	On armored slo			Depth	of overlying sediment, if known (cm):			
Latitude/Northin	ng(Y): 1978/	15.79		Longi	tude/Easting(X): /273288.23			
Grab time	Bottom depth (m or ft)	Penetratio depth (cm			Comments			
1455	24.8 ft	15	у	9.4	16 ft (RTK tide station)			
SAMPLE DATA	SAMPLE DATA Sample ID: LDWZ1-55506							
Pre-homogeniza	tion analyses (cir	cle): VOC	Sulfides	Ammonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	S	ediment odor		Comments:			
cobble (brown surface) (no	one	H₂S	trace shell fragments and organic material			
gravel	drab olive	sli	ght	petroleum	organic material			
sand (FM)C)	brown	m	oderate	other:				
silt	gray	st	rong					
clay	black							

	/
TVT:	1/xxard
WII	19 Ward
	environmental

Project Name:	LDW AOCA	f-Phase	[[Pro	ject no.:	
Date:	7.16.2021		v		overcast, 50s
Sampling Method:	power o	jrab		Crew:	SR, CD, RM, ES
	Location ID:	5507			
GRAB DATA	On armored slo	On armored slope (Y/N)?			f overlying sediment, if known (cm):
Latitude/Northin	g(Y): 197 <i>63</i>	35.87		Longitu	de/Easting(X): 1273204.76
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
1125	10.16 ft	9 cm	N		
1127	10.42 ft	15cm	Y	tide	= 7.97 ft (RTK hde Status)
				5000 NOWN	line=-2.5 ft mllw
					+ ift from target
				TWO	t III III
SAMPLE DATA	Sample ID:	OW21-5	55507		
Pre-homogeniza	ition analyses (ci			mmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	r Sec	diment odor		Comments:
cobble	brown surface	nór	ne H	₂S	agretic regulation of surface
gravel	drab olive	slig	jht p	etroleum	
sand (F) (M) C)	brown	mo	derate o	ther:	
silt	gray) trow	stro	ong		
clay	black				

X 77 7.	1/1
11/11	ward
AA II	environmental LLC

Project Name:	11009 1110	SC /I		Project no.:			
Date:	7/9/21			Weather:	Weather. 605, Suny		
Sampling Method:	power gr	ab		Crew:/	KM, SR, CD, ES, KS, ICK		
	Location ID:	5550	8				
GRAB DATA	On armored slope (Y/N)?				of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): 1977 2	20.92		Longitu	ude/Easting(X): 1273294. 83		
Grab time	Bottom depth (m or ft)	Penetratio			Comments		
1030	16.5FF	17	Y	-1.0	03 ft (RTK tide station)		
					x		
SAMPLE DATA	Sample ID: (1)	DWZI-S	5508				
Pre-homogeniza	tion analyses (ci	rcle): VOC	C Sulfides	Ammonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	. 8	Sediment odor		Comments:		
cobble	brown surface	none		H₂S	trace organics		
gravel	drab olive	s	slight	petroleum	25		
(Sand (E) (M)C)	brown	n	moderate	other:			
Silt	gray	s	strong				
clay	black						

	/
TVT.	1/22000
$\lambda \lambda / 11$	nd/wara
V V 11	environmental LLC

Project Name:	LOW AOCY 1			ect no.:					
Date:	7/9/21		w	eather. 60s, Svn					
Sampling Method:	power gran	6		Crew: KM, SR, CO, ES, KS, KK					
	Location ID: 55511								
GRAB DATA	On armored slo	pe (Y/N)? /		Depth o	of overlying sediment, if known (cm): // 4				
Latitude/Northin	g(Y): 19761	9.59		Longitu	de/Easting(X): /273303 / //				
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments				
1045	8.68 FF 21		γ -/.		-1.36 ft (RTX tode station)				
	8								
SAMPLE DATA	Sample ID:	DW21-S	5511						
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Am	monia	AVS/SEM TPH-P Other:				
Sediment type	Sediment color	Sed	iment odor		Comments:				
cobble	brown surface none			S					
gravel	drab olive slight		ht petroleum						
sand (EM) C)	brown	mod	lerate oth	er:					
(silt)	gray	stro	ng						

	/
TVT	1/xxord
WII	10/Wara
	environmental

trace

Project Name:	LOW AOCY Phase II Project no.:						<u> </u>	
Date:	7/9/21 Weather: 60							
Sampling Method:	power gran	Ь				Crew: /c	EM, SR, CD, ES, KS, KK	
	Location ID: 55513							
GRAB DATA	On armored slo	pe (Y/N)?	, N	•		Depth o	f overlying sediment, if known (cm): 19	
Latitude/Northin	g(Y): 19762	22.64	/			Longitu	de/Easting(X): /273380. 70	
Grab time	Bottom depth Penetration Acceptable Grab time (m or ft) depth (cm) grab (Y/N)					Comments		
1100	15.4 Ff	20		y		-1.4	9 At CRTK tide station)	
SAMPLE DATA	Sample ID: L	DW21-	SS	513				
Pre-homogeniza	tion analyses (ci	rcle): V	ос	Sulfides	Am	nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color		Sed	iment odor			Comments:	
cobble	brown surface		none	Ď	H ₂ S	S	trace organic material,	
gravel	drab olive		sligh	nt	pet	troleum	8	
sand (F)M C)	brown		mod	erate	oth	ier:		
silt	gray		stroi	ng				
clay	black							

	/
TVT	1/mord
WIII	Gward LLC
	environmental

	COW ACCY			ect no.:			
ate:	7/9/21	2	W	eather. 60s, Svn			
ampling Method:	power gra	6		Crew: /	KM, SR, CO, ES, KS, KK		
	Location ID:	55514			*		
GRAB DATA	On armored slo	ope (Y/N)? //	<i>(</i>	Depth of overlying sediment, if known (cm):			
Latitude/Northin	g(Y): /9767	72.60		Longitu	ude/Easting(X): 1273427. 41		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments		
[[10	15.8 ft	17	У	-1.49 ft CRTR tide stat			
SAMPLE DATA	Sample ID: 6	DW21-5	5514				
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r Sed	liment odor		Comments:		
cobble	brown surface) non	₽ H ₂	S	worms, worm casings, plastic on surface		
gravel	drab olive	sligl	ht pe	troleum	7.77.2		
sand (FMC)	brown	mod	derate oti	ner:			
silt	gray	stro	ng				
clay	black						

Win	d ward
VV 11.1	environmental LLC

Project Name:	LLW ACC	q - Phase	-II Pro	ject no.:			
	7:16:202) Weather ourrast, 50s						
Sampling Method:	power g	rub		Crew:	SR, CD, RM, ES		
	Location ID:	35516					
GRAB DATA	On armored slo		J	Depth o	of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): 1975	29.16		Longitu	ide/Easting(X): 1273479.79		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)	R	Comments		
1150	24.Bft	18cm	Y	tide=7.48 fl (RTK tide Station)			
					ne= -16.7 ft mllw		
					3.5 ft from target (care) GP		
				apur	3.5 FF MIN TAIGHT TURY		
SAMPLE DATA	Sample ID:	DW21-S	5516				
Pre-homogeniza	ition analyses (ci			mmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment colo	r Sec	diment odor		Comments:		
cobble	brown surface	non	none H		trace shell fragments		
gravel	drab olive	slig	ht p	etroleum	trace shell tragments		
sand (F) M C)	brown	mod	derate o	ther:			
Silt	gray	stro	ong				
clay	black						

Wind	1 ward
VV 11.	environmental LLC

Project Name:	LDW FOO	4-rnase	II Proj		
Date:	7.16.2021		W		owcast, 60s
Sampling Method:	power gr	ab		Crew:	SR, CD, GS, RM
	Location ID:	55518			
GRAB DATA	On armored slo	ope (Y/N)? /	J	Depth o	of overlying sediment, if known (cm):
Latitude/Northin	g(Y): 1974	01.88	r'	Longitu	Ide/Easting(X): 1273410.79
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
1138	8.61 ft	>23 cm	N	over-	penetrated
1140	8.09 F.H	17cm	Y	tide	=7.75 ft
				mudli	ne = -0.3 ft mllw
				Aba	4 3.1 ft from target.
					0
SAMPLE DATA	Sample ID:	DW21-S	5518		
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment colo	Sec	diment odor		Comments:
cobble	brown surface	non	H ₂	₂ S	trace organic debns
gravel	drab olive	slig	ht pe	etroleum	trace organic debns
sand (F)(M) C)	brown	mod	derate ot	her:	
silt	gray	stro	ong		
clay	black				

	/
TVT	1/mord
WID	o ward
	environmental LLC

Project Name: Date: Sampling Method:	7/21/21 power gr	<u> </u>	ICM, CD, ES, RM		
	Location ID:	55536			
GRAB DATA	On armored sid	ope (Y/N)?	N	Depth o	of overlying sediment, if known (cm): //4
Latitude/Northin	g(Y): 1967	74.35		Longitu	ude/Easting(X): 127 4293.16
Grab time	Grab time Bottom depth Penetration Acceptable depth (cm) grab (Y/N)				Comments
1035	16.0 ft	22	У	-0.9	I St CRTK tide Station)
					•
SAMPLE DATA	Sample ID:	DU21-	55536		
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	mmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	r s	Sediment odor		Comments:
cobble	brown surface	own surface none H ₂			trace organic meterial, Shell fragments
gravel	drab olive	s	slight pe		snell tragrients
sand(F)(M) C)	brown	п	noderate o	ther:	
silt	gray	s	strong		
clay	black				
					J

TVT	1/mord
Win	Ward LLC
	Zenvironmental 220

Project Name:	LOW ADO			ject no.: 🧾	The state of the s			
Date:	7/21/21 Weather. 605, closely							
Sampling Method:	power g	rab		Crew: /	cm, CD, ES, RM			
	Location ID:	55541						
GRAB DATA	On armored slo	ope (Y/N)?	J	Depth o	Depth of overlying sediment, if known (cm): \(\int \alpha \)			
Latitude/Northin	ig(Y): 19666	0.29		Longitu	ude/Easting(X): /274531.31			
Grab time	Bottom depth (m or ft) Penetration depth (cm)		Acceptable grab (Y/N)		Comments			
1050	22.5 ft	10	N	-0.0	14 Ft (PTX tide station), underpense			
1055	22.7 ft	18	Y		14 A CRTK tide station)			
					,			
8								
SAMPLE DATA	Sample ID: (DWZ1-S	5541					
Pre-homogeniza	ation analyses (ci	rcle): VOC	Sulfides A	mmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment colo	r Sed	liment odor		Comments:			
cobble	brown surface	prown surface none H		₂ S	clam shells, organic			
gravel	drab olive	slig	slight pe		Material			
sand (FM)C)	brown	mod	derate o	ther:				
silt	gray	stro	ng					
clay	black							

	/
TV7:	1/mord
win	o/ward
	environmental LLC

Project Name:	LDW ADCY	Phase 11	Pro	ject no.:			
Date:					crew: KM, SR, CD, ES, KS, KK		
Sampling Method:							
	Location ID: 55542						
GRAB DATA	On armored sid	ope (Y/N)?	N	Depth of overlying sediment, if known (cm):			
Latitude/Northin	g(Y): 19658	86.43		Longitu	ide/Easting(X): 1274386, 25		
Grab time	Bottom depth Penetration (m or ft) depth (cm		Acceptable grab (Y/N)	Comments			
1130	W8-4-54	9	N	unde	1 penetrated, need deaper water		
1435	to.3 11	-<9cm	N	unde	er penetrated + winrowed		
1440	10.3.5+	<9cm	N	und	er penetrated + winnowed		
1445	7.0 FF	12 cm	У	4.60	loft (RTK tide station)		
		1					
SAMPLE DATA	Sample ID:	DW21-5	55542				
Pre-homogeniza	ntion analyses (ci	rcle): VOC	Sulfides Ar	mmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r Sec	diment odor		Comments:		
cobble	brown surface	> (nor	none H ₂ :		organic material, algae		
gravel	drab olive	slig	ht pe	etroleum			
sand (F M)C)	brown	mo	derate ot	her:			
SIII	gray	stro	ong				
clay	black						
					1		

	1
TVT'	1/xxord
W 11	JO/Waru
* * **	environmental LLC

Project Name:	LUW HOL			ect no.:			
					60s, sun		
Sampling Method:	power go	erb.		Crew:	KM, CO, ES, RM		
	Location ID: 55544						
GRAB DATA	On armored sk	ope (Y/N)?	N	Depth of overlying sediment, if known (cm): na			
Latitude/Northin	g(Y): 19652	0.59		Longitu	ude/Easting(X): /274445, 95		
Grab time	Bottom depth Penetration			Comments			
1205			N	no.	macy		
1210	2.4ft	21	y	0.95	set (RTK tide station)		
SAMPLE DATA	Sample ID: U	0WZ1-	55544				
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:		
Sediment type Sediment color Sediment odor			ediment odor		Comments:		
cobble	brown surface none		one H	₂ S	shell frægments, brick fragments		
gravel	drab olive	sl	ight pe	etroleum	tragments		
(sand (E)M)C)			oderate ot	her:	*		
Silt	gray	st	trong		w(
clay	black						

	/
TVT.	1/1
\X/111	Ward LLC
AATTI	Yenvironmental LLC
	/

7/9/21	1000		We	eather:	76s, sun Lm, CD, ES, KS	
		· , · · ·	554		of overlying sediment, if known (cm): $ ho$ a	
g(Y): 196471	1.65			Longitu	ide/Easting(X): 127 4506.67	
Bottom depth Penetration Acceptable Grab time (m or ft) depth (cm) grab (Y/N)				Comments		
		N		DC	Ic in Jaws	
14.5 Ff	16 cm	16 cm Y			38 ft (RTK tide station)	
Sample ID: /	OWZI-	55544	دى	546		
tion analyses (ci	rcle): VO	C Sulfides	Am	monia	AVS/SEM TPH-P Other:	
Sediment color	r !	Sediment odor			Comments:	
brown surface	> 0	none	H ₂ S	3	trace organic material, Shell fragments	
drab olive		slight po		roleum	Shell Hagiverity	
brown		moderate o		er:		
gray		strong				
black						
	Down Surface drab olive	Dower grab Location ID: \$559 On armored slope (Y/N)? G(Y): 196 471.65 Bottom depth (m or ft) Penetration depth (critical depth (critical depth) Sample ID: LOW21- tion analyses (circle): VO Sediment color brown surface drab olive brown Gray	Con armored slope (Y/N)? On armored slope (Y/N)? Penetration Accepta grab (Y/N) On armored slope (Y/N)? On armored sl	Downs grab Location ID: SSSTTVM SSSY On armored slope (Y/N)? A(Y): 196471.65 Bottom depth (m or ft) Penetration depth (cm) grab (Y/N) 14.5 Ff	Location ID: SSSTTVM SSSU6 Crew: A Location ID: SSSTTVM SSSU6 On armored slope (Y/N)? N Depth of a(Y): 196471.65 Bottom depth (cm) Acceptable grab (Y/N)	

Wing	ward ward
	environmental

Project Name:	LDW AOCA	t- Phase	2 Pn	oject no.: 🔟			
Date:	7.16.20				overcest, 60s		
Sampling Method:	hand co	ileet		Crew:	SR,CD, RM, ES		
	Location ID:	35547					
GRAB DATA	On armored slo	ppe (Y/N)?	N	Depth o	Depth of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): +4	6406	196407	Longitu	ide/Easting(X): 1274469 127447		
Grab time	Bottom depth (m or ft)	Penetration depth (cm			Comments		
1320		10 cm	Y	han	trun bounced around due to		
				Interference.			
				(** x			
SAMPLE DATA	Sample ID:	DW21-	- SS547				
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	Ammonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r S	ediment odor		Comments:		
cobble) - Sivital	brown surface	(ne	one) H	l₂S	Significant amount of graved		
gravel	drab olive	s	light r	etroleum	Significant amount of graced in sample; attemptes to remoc as much as possible for sample.		
(and (FMD)	brown	m	noderate c	other:	as much as possible for sample.		
silt	gray	s	trong				
clay	black						

	1
TVT:	- 1/mord
W 11	10/ward
	environmental LLC
7.5	

Project Name:	AOCY Pho	ise 11							
Date:	7/9/21 Weather 60s, Svany								
Sampling Method:						Crew: /	CM, SR, CD, ES, KS, KIL		
	Location ID:	5555	2						
GRAB DATA	On armored slo	ope (Y/N)	? N	,		Depth o	of overlying sediment, if known (cm): 🤌 4		
Latitude/Northin	g(Y): 19654	11.36				Longitu	ide/Easting(X): 1274653.63		
Grab time	Grab time Bottom depth (m or ft) Penetration depth (cm) Acceptable grab (Y/N)				Comments				
0945	19.5 ft	5		N		under	penetrated		
0955	18.9 ft	5		N		under	-penetraked		
1000	19.1 ft	9.5		\wedge		unde	1-penetrated		
1010	19.08F	15		Y		-0.31 ft (RTK tide station)			
SAMPLE DATA	Sample ID: L	OWZI	-53	5552					
Pre-homogeniza	tion analyses (ci	rcle): V	ос	Sulfides	Am	monia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	-	Sed	iment odor			Comments:		
cobble	brown surface		none H		H ₂ S	8	trace organics		
gravel	drab olive		slight pe		pet	roleum			
sand EM C)	brown	moderate of		oth	er:	· ·			
Sitt	gray strong								
clay	black								

	/
TVT'	1/27000
\X/111	d/ward
AATIT	environmental LLC

Project Name:	LOW ACK	1 Phase	// Proje	ect no.:				
Date:	7/21/21		w	eather. 6	is, cloudy			
Sampling Method:					im, co, Es, RM			
	Location ID: 55555							
GRAB DATA	On armored slo	ppe (Y/N)?	/	Depth o	of overlying sediment, if known (cm):			
Latitude/Northing	g(Y): 19638	1.72		Longitude/Easting(X): /Z 74821. 2				
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)	Comments				
1015	16.1 ft	14cm	y	-1.2	27 ft (RTK tide startion)			
				Co	27 ft (RTK tide startion)			
SAMPLE DATA	Sample ID: 💪	0W21-55	555,	LOE	14-55655 FO			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Am	nmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	Sed	iment odor		Comments:			
cobble	brown surface	none	e H ₂ :	s	worms, barnacles + shells on surface; organic			
gravel	drab olive	sligh	nt per	troleum	materials			
sand (F(M) C)	brown	moderate ot		ner:				
silt	gray	stro	ng					
clay	black							

	/
TYZ	Jarard
WII.	Ward LLC
	environmentar

	CPW AOCH			Project no.:			
			W		Gos, cloudy		
Sampling Method:	power go	ab		Crew:	icm, co, es, em		
	Location ID:	55 556					
GRAB DATA	On armored slo	ope (Y/N)? /	/	Depth of overlying sediment, if known (cm): กล			
Latitude/Northin	g(Y): 1963	08.01		Longitu	ide/Easting(X): 127 4506. 95		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments		
1005	4.0 Pt	16	Y	-1.5	59 F4 CRTH tide station)		
					-		
SAMPLE DATA	Sample ID: i	OWZI-SS	556	<u>.</u>			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r Sed	liment odor		Comments:		
cobble	brown surface	non	B H₂	s	of grab (<2cm diameter)		
gravel	drab olive	slig	ht pe	troleum	Offenic material		
sand (F) M C)	brown	mod	derate otł	ner:	0.5 20. 0 0		
silt	gray	stro	ng				
clay	black						

Wing	ward LLC
	environmentai

Project Name:	AOC4			ject no.:	_
Date:	6.30.20	121		Veather:	Sinny, 70s Sin, DW
Sampling Method:	hand co	ilected		Crew:	SP, DW
	Location ID: 4	55559		\$3	
GRAB DATA	On armored slope (Y/N)? 'Y			Depth o	of overlying sediment, if known (cm): 이수
Latitude/Northing(Y): 195834				Longitu	ide/Easting(X): \27507 8
Grab time	Bottom depth (m or ft)	Penetratio depth (cm			Comments
1920	NA	10 cm	^ Y	-Sar	iple coileded an niprap slope. led location (210ft) to sample in the of accessible sediment.
				- Shirt	th of accessible sediment.
				- Ven	graves and colobie. extend extra volume for lab (2)
				-Cail	graves and colone for tab go
				صلات ــ	mpted to remove gravel to the
				- cone	ecknt possible.
SAMPLE DATA	Sample ID:	.DW21	-55559		9
Pre-homogeniza				mmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment colo	r S	sediment odor		Comments:
cobble	brown surface	n	ione H	l₂S	Significant gravel
gravel	drab olive	s	light p	etroleum	Significant gravel throughout sample.
sand (FM)C)	brown	п	noderate c	ther:	
silt	gray	s	trong		
clay	black				.4

	1
TV7:	1/mord
W 11	10/ward
	environmental LLC

Project Name:	LOW ACKY	Phase 11	Pro	ject no.:	3/		
Date:	7/21/21			Veather:	ds, cloudy		
Sampling Method:					KM, CD, ES, RM		
	Location ID:	55570					
GRAB DATA	On armored sid	ope (Y/N)? //	/	Depth of overlying sediment, if known (cm): //q			
Latitude/Northin	g(Y): 19548	5.76		Longitu	ide/Easting(X): 12 75 6 22 . 0 4		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments		
0945	12.4 Ft	0	N	no	neway		
0950	8.6 14	18	У		3 ft (RTK tide station)		
SAMPLE DATA	Sample ID:	OWZI-SS	510				
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	mmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment colo	r Sec	diment odor		Comments:		
cobble	brown surface) (nor	ne H	₂ S	WAMS		
gravel	drab olive	slig	ht p	etroleum	n n		
sand(E(M) C)	brown	mod	derate o	ther:			
silt	gray	stro	ong				
clay	black						

	/
TVI	Jamed
WIII	Ward LLC
	environmental

Project Name: Date: Sampling Method:	4/21/21	lection	- pinsel prob	Project no.: Weather:	in, co, RM, ES	
	Location ID:	in 15697	_ 5557	5		
GRAB DATA	On armored slo	pe (Y/N)?	N	Depth o	of overlying sediment, if known (cm): カイ	
Latitude/Northin	g(Y): 19530,	1.26		Longitu	ide/Easting(X): 1275827 81	
Grab time	Bottom depth (m or ft)	Penetrati depth (c)	Comments	
1415	23.0.ft		- N	7.9.	3 ft (RTK tide station) periete 9 ft (RTK tde station)	aka
1417	23.0 ft	22	У	8.49	If (ATK tole station)	
			2)			
					×	
SAMPLE DATA	Sample ID: (DWZ1.	- SS575			
Pre-homogeniza	ition analyses (ci	rcle): VO	C Sulfides	Ammonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color		Sediment odor		Comments:	
cobble (brown surface	\rangle \langle	none	H₂S	trace organic makrial	
gravel	drab olive		slight	petroleum		
sand (E) M C)	brown		moderate	other:		
silt	gray		strong			
clay	black					
					•	

	/	
TVT.	1/	
$\lambda \lambda / 11$	າd∕Wa	aru.
A A 11	environ	nental LLC

Project Name:	LDW MOCY			ject no.:	7
Date:	7/9/21				
Sampling Method:	power gr.	ıb		Crew:	KM, SR, CO, ES, KS, KK
	Location ID:	5550H	⁴ 55578		
GRAB DATA	On armored slo	ope (Y/N)? N	/	Depth o	of overlying sediment, if known (cm): //4
Latitude/Northin	19511	4.65		Longitu	nde/Easting(X): 1275995.46
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
1300	to.3 ft	na	N		newsed
1310	10.3 CH	16	У	0.3.	5 ft (RTK tide station), sonar n work
					Woll
SAMPLE DATA	Sample ID: 2	OWZ1-3	S588.	S557.	3
Pre-homogeniza	ation analyses (ci			mmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	r Sed	iment odor		Comments:
cobble	brown surface	non	e) H	₂S	
gravel	drab olive	sligh	nt pe	etroleum	
(sand (F(MC))	brown	mod	derate ot	her:	
silt	(gray)	stro	ng		2
	black				

	/
TVI	Jamed
WID	Ward LLC
	environmental

Project Name: Date:	1/9/21	1 Phase	// Proj	ect no.: leather:		iun :0, €5,	<i>r</i> ~ ~ ~		
Sampling Method:	power g	rab		Crew:	C_M, C	(O, ES,	KS		
	Location ID:	55580							
GRAB DATA	On armored slo	ope (Y/N)?	/	Depth o	f overly	ing sedimen	t, if knowr	n (cm): //4	
Latitude/Northing	e(Y): 19503	35.48		Longitu	de/East	ing(X): 12	7597	7.50	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)			Cor	nments		
1330	10.3 FF	19	У	1.33	f+	CRTK	tide	station)	no depth soner no
									`
SAMPLE DATA	Sample ID: _	DWZI - SS	5 580	J					
Pre-homogeniza				nmonia	AVS/SI	EM TPH-I	P Othe	er:	
Sediment type	Sediment color	Sed	iment odor		Comm	ents:			
cobble (brown surface	non	Ð H₂	s					
gravel	drab olive	sligh	nt pe	troleum					
sand FM C)	brown	mod	lerate oth	ner:					
silt	gray	stro	ng					#1 ***	
clay	black								

Win	d ward
VV 11.1	environmental LLC

Project Name:				roject no.:			
Date:	7/21/21 V			Weather: 60s, cloudy			
Sampling Method:	power go	706		Crew:	KM, CD, EM, ES		
	Location ID:	5568 3 41	" 5558	3			
GRAB DATA	On armored sid	ope (Y/N)?	/	Depth of overlying sediment, if known (cm): 179			
Latitude/Northin	g(Y): /949	31.28		Longitu	ide/Easting(X): 1275974.60		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments		
0920	11.5 +7	22	y	-1.9	Z FI (RTK tide station)		
SAMPLE DATA	Sample ID: L	DWZI-S.	583				
Pre-homogeniza	ition analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r Sed	iment odor		Comments:		
cobble	brown surface	none	H ₂	s	other organic material		
gravel	drab olive	sligh	nt pe	troleum			
sand (EM) C)	brown	mod	erate ot	ner:			
silt	gray	stroi	ng				
clay	black						

	/
TVI.	1/2000
$\lambda \lambda / 11$	nd/wara
A A 11	environmental LLC
0.00	

Project Name:	LUW HOC			ect no.:	- 027		
Date:	7/21/21		W		66s, cloudy		
ampling Method:	power go	216		Crew:	KM, CD, ES, RM		
	Location ID:	55 586					
GRAB DATA	On armored slo	ope (Y/N)? /	(Depth of overlying sediment, if known (cm):			
Latitude/Northin	g(Y): 1948	42.12		Longitu	ude/Easting(X): 127-6986.48		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments		
0930	12.3 ft	20	У		-1.93 ft (RIK tide station)		
SAMPLE DATA	Sample ID: /	1.12: 6	SEGI				
	ition analyses (ci	<i>-DWZ i - S</i> rcle): VOC		nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment colo	r Sed	liment odor		Comments:		
cobble	brown surface	none H		s	worms, trace organic		
gravel	drab olive	sligh	nt pe	troleum	material		
sand F M C)	brown	mod	derate ot	her:			
silt	gray	stro	ng				
clay	black						

	/
TV7	1/2000
W 11	ld/ward
V V 11	environmental LLC

ate:	LOW ACCY Phase II Project no.: 1/9/2/ Weather: 705, 500								
ampling Method:	power gr	26		Crew: _/	KM, CD, ES, KS				
	Location ID: 55590								
GRAB DATA	On armored slo	d slope (Y/N)?			of overlying sediment, if known (cm): 기/ト				
Latitude/Northin	g(Y): 19471	7.82		Longitu	ude/Easting(X): 1276023.57				
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments				
1345	10.3 KM	10.5	N	Unde	er penetrated				
1355	10.3 m	19	У	1.9	A (RTK tide station), some				
					20				
SAMPLE DATA	Sample ID: L	DW21-5	S590						
Pre-homogeniza	ition analyses (ci			nmonia	AVS/SEM TPH-P Other:				
Sediment type	Sediment color	Sed	iment odor		Comments:				
cobble	brown surface	non	H ₂	s	clam shell, trace organic				
gravel	drab olive	sligh	nt pe	troleum	moterial				
sand (F)M C)	brown	mod	lerate ot	ner:					
silt	gray	stro	ng						
clay	black								
T) G									

	1
TVT	Jarard
WII	Ward LLC
	environmental

Project Name:	LDW AOC	A-Phas	ا ع Proje	ect no.:							
Date:	7.12.202	1	W	eather:	Sunny, 70s						
Sampling Method:	7.12.2021 Weather: Sunny, 70s power grab Crew: SR, CD, ES, RM										
	Location ID:	Location ID: SS 599									
GRAB DATA	On armored slo	ppe (Y/N)?)	Depth o	of overlying sediment, if known (cm):						
Latitude/Northing	g(Y): 1945	63.96		Longitu	ide/Easting(X): 1276105, 52						
Grab time	Bottom depth (m or ft) Penetration Acceptable grab (Y/N)				Comments						
1202	6.35 FL	16 cm	Y	tide	= -0.71 ft mice (PTR hae sh)	nor					
					Ine = 7.1 ft MLLW						
				Abou	A 1.4 ft from target (core)						
			1								
SAMPLE DATA	Sample ID: $\dot{\mathcal{L}}$	DW21-SS	5599 an	a LC	W21-SS599-FD						
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Am	nmonia	AVS/SEM TPH-P Other:						
Sediment type	Sediment color	Sec	liment odor		Comments:						
cobble (brown surface	non	H ₂ s	S	trace organic material						
gravel	drab olive	slig	ht pet	troleum							
sand (F/N) C)	brown	mod	derate oth	ier:							
silt	gray	stro	ing								
clay	black										

	/
TVT.	1/22000
\\\/11	10 Ward
A A 11	environmental LLC

Project Name:	LDW AOC	4 Pha		ject no.:							
Date:	7.12.20	21	v	Veather:	sunny, 60s						
Sampling Method:	power gra	<i>abde</i>		Crew:	SUNNY, 60s SR, CD, ES, RM						
N LS	Location ID:	Location ID: SS600									
GRAB DATA	On armored slo	ope (Y/N)? 🚶	J	Depth of overlying sediment, if known (cm):							
Latitude/Northin	9(Y): 1945	57481		Longitu	ide/Easting(X): 1276151.37						
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments						
0823	8.68 ft	17cm	Y	tide	= 8.25 ft (RTK tide Station)						
					line= -0.9 ft mill						
				Abu	1-22ft from target (core)						
					O v						
SAMPLE DATA	Sample ID:	-DW21	-55600	J							
Pre-homogeniza	tion analyses (ci			mmonia	AVS/SEM TPH-P Other:						
Sediment type	Sediment color	r Se	diment odor		Comments:						
cobble (brown surface	> (no	ne H	₂ S	trace organic moderial						
gravel	drab olive	slig	ght p	etroleum							
Sand (F) (M) C)	brown	mo	oderate o	ther:							
silt	gray	str	ong								
clay	black										
			_								

Win	d ward
AA 11.1	environmental LLC

Project Name: Date: Sampling Method:	7/9/21 hand colle			ect no.: /eather: Crew:	7t, sun KM, SR, CD, ES, KS, XK
GRAB DATA	Location ID:		/	Denth (of overlying sediment, if known (cm): ကရ
Latitude/Northin	On armored sk	55 3			ade/Easting(X): +276218 1276219
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
1150	ā	10 cm	·Y		н
SAMPLE DATA	Sample ID:		00/00		
	tion analyses (ci		SS602 Sulfides Ar	nmonia	AVS/SEM TPH-P Other:
Sediment type cobble gravel sand (FM) C)	Sediment color brown surface drab olive brown gray	non	nt pe	gS etroleum her:	Comments: brown mottling throughout
clay	black				

T T/7 *	1/1
W11	Ward LLC

1/9/21		W	eather:	705 , 547				
hand collec	たらつ		Crew:	KM, SR, CD, ES, KS, KK				
Location ID: 55603								
On armored slo	ope (Y/N)?	,	Depth of overlying sediment, if known (cm): ja					
ig(Y): 194	1529		Longi	itude/Easting(X): 1276 9 5				
Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments				
	10 cm	Y						
	×							
Sample ID: L	-DWZ1-5.	5603						
ation analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:				
Sediment colo	r Sed	iment odor		Comments:				
brown surface	non	P H₂	S	brown patches in Sediment				
drab olive	sligh	nt pe	troleum	wood debris				
brown	mod	erate otl	ner:					
gray	stro	ng						
black								
	Docation ID: On armored slow ag(Y): Bottom depth (m or ft) Sample ID: ation analyses (ci Sediment color brown surface drab olive brown	Location ID: 55603 On armored slope (Y/N)? Notes (Y/N)?	Location ID: \$5603 On armored slope (Y/N)? N Bottom depth (m or ft) Penetration depth (cm) Penetration (m or ft) Penetration depth (cm) Penetration (m or ft) Penetration depth (cm) Penetration (m or ft) Penetration depth (cm) Penetration (m or ft) Penetration depth (cm) Penetration (m or ft) Penetration depth (cm) Penetration (m or ft) Penetration depth (cm) Pene	Depth Depth Depth Crew: Location ID: SS603 Depth Dept				

	/
TVI	Jarard
W 11	Ward LLC
* * *	environmental LLC
_	

	Project Name:						oject no.:			
	Date:							Gos, mostry doudy	-	
	Sampling Method:	power grab					Crew: /	KM, CD, RM, ES	===	
		Location ID:	5561	3						
	GRAB DATA	On armored slo	pe (Y/N)?	N			Depth of overlying sediment, if known (cm):			
3	Latitude/Northing	g(Y): See b	elow				Longitu	ide/Easting(X): See belt W		
	Grab time	Bottom depth (m or ft)	Penetra depth (d		Acceptab grab (Y/N			Comments		
	1035	2.5 ft			N		10	rroszry		
127 5804.05	-1040	2.5.f.t	//		y		4.79	of (RTK tide station)	(
0	1045	2.7 F+			N		No	recorn		
	1047	2.264			N			k in jaws		
194501.73	1050	2.7.5+	<i>(1)</i>		y		4.14	.14 ft CRTK tide station)		
1275811.33	1055	3.1.4	9		N		under penetrated			
	SAMPLE DATA	Sample ID:	OWZI	- 5	5613					
·	Pre-homogeniza	tion analyses (cir	rcle): V	oc	Sulfides	Am	monia	AVS/SEM TPH-P Other:		
; 	Sediment type	Sediment color		Sedi	ment odor			Comments:		
	cobble	brown surface		none		H ₂ S	5			
see nort page	gravel	drab olive		slight	t	pet	roleum			
·	sand (F M C)	brown		mode	erate	oth	er:			
×	silt	gray		stron	g					
	clay	black								
				_						

	-/
TVT'	1/xxxxd
$\sqrt{\lambda}/11$	o/wara
V V 11.	environmental LLC

SURFACE SEDIMENT COLLECTION FORM

	Project Name:	LOW ADLY Phase II Pro				ject no.:		
	Date:	7/13/21					605, SUN	
	Sampling Method:	•	rab			Crew: 🖊	EM, CD, RM, ES	
	Location ID: 55613							
	GRAB DATA	On armored slo	pe (Y/N)?	N	•	Depth o	of overlying sediment, if known (cm): na	
	Latitude/Northing	g(Y): See be	160			Longitu	ide/Easting(X): See below	
	Bottom depth Penetra Grab time (m or ft) depth (c				Acceptable grab (Y/N)		Comments	
	1100				N	no	recovery	
	1102				N	roc	k in jaws	
	1105	_	2		N	vno	derpenetrated	
	-1110	2.5 ft	11		У	3.5	ft (RIK tide station)	
	1115		_		N	rock	in jaws	
	147	25 f.t	U		Y	2.83	3 ft (RTK tide station)	
	SAMPLE DATA	Sample ID:	DWZ	1-5	55613			
	Pre-homogeniza	tion analyses (ci	rcle): V	ос	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:	
1	Sediment type	Sediment color		Sed	iment odor		Comments:	
	cobble	brown surface		none H ₂ S		₂S		
	gravel	drab olive		slight pe		etroleum		
	sand (F M C)	brown		mod	erate ot	her:		
	silt	gray		stror	ng			
	clay	black						

194507.20 1275808.96

194505.82]

see next page

Wing	ward
7	environmental LL

Project Name:	LOW ACC			oject no.:		=
Date: Sampling Method:	7/13/71 power g.				60s, sun KM, CD, RM, ES	
	Location ID:	55613				
GRAB DATA	On armored slo	of overlying sediment, if known (cm): 19				
Latitude/Northin	g(Y): Sze be	/on/		Longitu	ude/Easting(X): See be/ow	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)			Comments	
1122	_	_	N	rock	e in jaws	
-/130	0.4	NA	У	collec	cted remaining sediment neede	by hand
						CRIKLISE
						Station
						1
SAMPLE DATA	Sample ID: L	DW21 -	22813			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	Ammonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	r Se	ediment odor		Comments:	
cobble	brown surface	(no	ne H	H ₂ S	Organic material	
gravel	drab olive	sli	ght p	etroleum		
Sand FMO	brown	m	oderate o	other:		
silt	gray	sti	rong		8	
clay	black					
ļ	J	*:				

Wind	ward	SURFA	CE SED	IME	NT COLLECTION FORM (cod	2E)		
Project Name:	LOW ACCA- Phase II Project no.:							
Date:	7.12.20		v	Veather:	sunny,70s SP,CD			
Sampling Method:	hand:a	uger		Crew:	SK, CD			
	Location ID: 1T616							
GRAB DATA	On armored slo	pe (Y/N)?		Depth o	of overlying sediment, if known (cm):			
Latitude/Northing	9(Y): 194	146		Longitu	de/Easting(X): +22.307275 127626	0		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments			
1240		75cm	Y	_	face - aquatic vegetation			
				0	75cm - no change in material	١;		
					all FIM Sand.			
				San	aple collected behind be wall	ě		
SAMPLE DATA	Sample ID:	DW21-1	T616A	(0-45	cm) + LOW21-17616B (45-75an	n)		
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	mmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	Sedi	ment odor		Comments:			
cobble	brown surface	none	н,	₂S	-agranic vegetation (gross)			
gravel	drab olive	sligh	t pe	etroleum				
sand(FM C)	brown	mod	erate ot	her:				
silt	gray	stror	ng					

* IT616A and IT616B are some material.

clay

TVT.	1/2224
\X/111	d/ward
AAIII	Yenvironmental LLC

Project Name:	LOW AOCA - Phase II Project no.:							
Date:	7.12.2021 Weather Sunny 705							
Sampling Method:	hand co	ilected.		Crew:	SR.CD			
	Location ID:	35616						
GRAB DATA	On armored slo	pe (Y/N)?	7	Depth of overlying sediment, if known (cm):				
Latitude/Northing	g(Y): C	14446		Longitu	ide/Easting(X): 1276 260			
Grab time	Bottom depth (m or ft)	Penetration depth (cm)		Comments				
1320		10 cm	٧ ۲					
	*)							
SAMPLE DATA	Sample ID:	DW21	-53616					
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	mmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	s	ediment odor		Comments:			
cobble	brown surface	no	one H	₂S	brown loyer at surface, then thin black layer before transition to sand.			
gravel	drab olive	sli	ight pe	etroleum	then thin black layer better			
sand FMC)	brown	m	oderate of	her:	Wansing to sand.			
silt	gray	st	rong					
clay	black							

Project Name: Date: Sampling Method:	LOW AOCA - Phzsell Project no.: 7.12-2021 Weather: Sunny, 70s hand auger Crew: S.R., CD							
Tana dager								
GRAB DATA		17619	•	I				
	On armored slo	pe (Y/N)? /	<i>J</i>	Depth o	f overlying sediment, if known (cm):			
Latitude/Northing	g(Y): 194	358		Longitu	de/Easting(X): 127 6281			
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments			
1345		59 cm	Y	Swe	ace - area has vegetation			
					roots in top ~ 10 cm			
				Ote :	59cm - fine sand w/ SII++	u		
					grand I bnih debns			
					in 0-15 cm Sample.	men		
				59cm - refusal (hit back/rock)				
SAMPLE DATA	Sample ID:	N21- T619A	and LDI	W21-	619B (45 to 59 cm)			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	Sed	iment odor		Comments:			
cobble	brown surface	non	H ₂	S	Seems More like Soil than Sediment			
gravel	drab olive	sligh	nt pe	troleum	roots / plant material			
sand(F) M C)	brown	mod	derate oth	ner:	near surface			
silt trace	gray	stro	ng		removed a few pieces			
Clay	black				or gravel			

Windward SURFACE SEDIMENT COLLECTION FORM (CORE)

TVT'	1/2000
$\lambda \lambda / 11$	nd/wara
A A 11	environmental LLC
1954	

Project Name:	LDW AOCA - Phase 11 Project no.:							
Date:	7.12.20	021	v	Weather: Sunny, 70s Crew: SR, CD				
Sampling Method:	hand.	college	a	Crew:	SK,CD			
	Location ID:	55619						
GRAB DATA	On armored sk			Depth o	of overlying sediment, if known (cm):			
Latitude/Northin	g(Y): 0	14358		Longitu	ude/Easting(X): 127628			
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments			
1415	,	10 cm	Y					
SAMPLE DATA	Sample ID: (-DW21 -:	53619					
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	mmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment colo	r Sed	liment odor		Comments:			
cobble	brown surface	non	e H	₂ S	some organic debris, nots removed one brick fragment			
gravel	drab olive	slig	ht pe	etroleum	removed one brick tragment			
(sand)(F M C)	brown	mod	derate ot	her:				
(silt) trace	gray	stro	ong					
clay	black							

	-/
TVI	Laurd
WIII	G/Ward
	environmental

	LOW AOC4 - Phzic II Project no.:						
Date:	7.12.20	suny, 70s					
Sampling Method:					SP, CD, RM, ES		
CDAD DATA	Location ID:	55620					
GRAB DATA	On armored slo	ppe (Y/N)?	7	Depth o	of overlying sediment, if known (cm):		
Latitude/Northing(Y): 194246.			9	Longitu	ude/Easting(X): 1276157.44		
Grab time Bottom depth Penetra depth (m or ft)			Acceptable grab (Y/N)		Comments		
1150	10.09 4	20 cm	Y	tide	= -0.29 ft (RTK hde Stater		
				mud	line = -10.4 Ff MLLW		
				Abu	1 2.2 ft from target		
					O		
SAMPLE DATA	Sample ID:	-DW21-	-53620				
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	mmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	Se	diment odor		Comments:		
cobble	brown surface no		ne H	₂S			
gravel	drab olive	slig	ght pe	etroleum			
sand (FM) C)	brown	mo	oderate ot	her:			
silt	gray dr	str	ong				
clay	black						

	/
X X/ 7*	1/1
\X/111	d/ward
AATTI	Senvironmental LLC
	/ chritomichan

Project Name:	LOW AC	C4-1	hesul	Proje	ect no.:	
Date:	7.12.2021 Weather Shiny 703					suny, 70s
Sampling Method:	power o	jisb			Crew:	suny. 70s SR, CD, RM, ES
	Location ID:	SS 62	3			
GRAB DATA	On armored slo	pe (Y/N)?	7		Depth o	f overlying sediment, if known (cm):
Latitude/Northing	m: 1941	41.62			Longitu	de/Easting(X): \276\84.06
Grab time	Bottom depth (m or ft)	Penetrati depth (cr		eptable b (Y/N)		Comments
1135	9.8 ft	17cm	n	Y	tide	= 0.26 Ft # (PTh hade statum)
					mud	line = - 9.5 FAMLLW
					Abw	+ 1.8 ft from target. (cove)
						0
SAMPLE DATA	Sample ID:	-DW21	-556	23	1/	
Pre-homogeniza	tion analyses (ci	rcle): VO	C Sulfi	des An	nmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	,	Sediment	odor		Comments:
cobble	brown surface	> (none H ₂		s	trace organics
gravel	drab olive		slight	ре	troleum	
sand(F(M)C)	brown		moderate	oth	ner:	
silt	gray Jok		strong	1.9		
clay	black					

TVT.	1/1
\X/11	wara
AA TI	environmental LLC
	/

Project Name:	LDM HO	-4 Fine			V P W S	
Date:	7.22.2021 Weather partly closhy, 60s					
Sampling Method:	hand col	lected.		Crew:	SR. TD, PM, ES	
	Location ID:	55625				
GRAB DATA	On armored slo	ope (Y/N)?		Depth o	of overlying sediment, if known (cm): Wijuncum	
Latitude/Northin	g(Y): 194	0865	94090	Longitu	ude/Easting(X): +276327 1216333	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments	
0750	;	ioan	Y	Coile	ekd sample in gap between	
				Ŀ	brichs / concrete blocks.	
SAMPLE DATA	Sample ID:	DW21-55	625			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	r Sed	iment odor		Comments:	
cobble	brown surface	none	Ð H₂	s		
gravel) trace	drab olive	sligh	nt pe	troleum		
sand (F) M C)	brown	mod	lerate otl	her:		
Silt	gray	stroi	ng			
clay	black					

	/
TVT:	1/mord
W 11	10 ward
(#U.E.V.	environmental LLC

SURFACE SEDIMENT COLLECTION FORM (10/00)

Project Name:	LOW AO	C4 - Vh	Proj	ect no.:	
Date:	7.22.2021 We				pany closing, 60s SK, TD, ES, RM
Sampling Method:	hand-coll	acted		Crew:	SF, TD, ES, RM
	Location ID:	T625			
GRAB DATA	On armored slo	pe (Y/N)? N		Depth o	of overlying sediment, if known (cm):
Latitude/Northing	9(Y): 494	036	194090	Longitu	ide/Easting(X): 1276324 SP 127633
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
0750		45 om	Ä	0-15	ion - M+C Sand, brown, no oder
				15-30	com - M+C sand, brown, more silt,
					no oder
				30-49	Som - M+C sond, silt, gray 1 brown
					there whole bricks,
SAMPLE DATA	Sample ID: լ	.DW21-	iT625		
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	Sed	iment odor		Comments:
cobble	brown surface	none	H ₂	s	
grave	drab olive	sligh	nt pe	troleum	
Sang (FMG)	brown	mod	lerate ot	her:	
Silt	gray	stro	ng		
clay	black				

* * * * * * * * * * * * * * * * * * *	. 1/ 1
W	111d Ward
	/ C.I.V.I.I.V.III.

Project Name:	LUW HOC	A - Phas		ect no.:			
Date:	7-22-2021 Weather				ather. Sunny, 60s		
Sampling Method:	hand col	lected		Crew:	ew: SR, TD, RM, ES		
	Location ID:	S5627					
GRAB DATA	On armored slo		J	Depth o	Depth of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): 194	005		Longitu	ide/Easting(X): 1276356		
Bottom depth Penetration Acceptable Grab time (m or ft) depth (cm) grab (Y/N)					Comments		
0810	_	10cm	Y	Colle	sted sample next to hole from		
5015				S	hurt care (17627).		
					3		
1							
SAMPLE DATA	Sample ID:	DW21-5	3627				
Pre-homogeniza	ition analyses (ci	rcle): VOC	Sulfides Ar	mmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment colo	r Sed	liment odor		Comments:		
cobble	brown surface none		<u>е</u> н,	₂S	trace plant organic debis		
gravel	drab olive slight p		etroleum				
sand FM C)	brown moderate o		her:				
silt	gray dark strong		ing				
clay	black						

	1
TVI	Jamed
win	Convironmental LLC
	environmental and

Project Name: Date: Sampling Method:	2/9/21	1 Phase 1	/ Proj	eather. 70s, SVA			
Sampling Method:	pouls gi	rab		Crew: KM, CD, ES, KS			
	Location ID: 5563/						
GRAB DATA	On armored slo	ppe (Y/N)? //	,	Depth of overlying sediment, if known (cm): 19			
Latitude/Northin	1g(Y): 19:393	31.50		Longitude/Easting(X): 127 6289. 72			
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)	Comments			
1600	_		N	debris in Jaws			
1605	10.55.ft	17 cm	Y	8.03 ft (RTK tide station)			
				2			
SAMPLE DATA	Sample ID: L	DW21-5	55631				
Pre-homogeniz	ation analyses (ci	rcie): VOC	Sulfides An	nmonia AVS/SEM TPH-P Other:			
Sediment type	Sediment colo	Sediment color Sediment odor		Comments:			
cobble	brown surface none		e (H ₂	s) slight algae on top, organic			
gravel	drab olive			troleum			
ce (sand (F) M C)	brown	mod	lerate ot	ner:			
silt	gray	stro	ng				
clay	black						

	/
TVT.	1/2000
$\lambda \lambda / 11$	nd/ward
A A TT	environmental LLC
_	

Project Name:	LOW AOCA - Phasell Proje			ect no.:		
Date:	7.12.2021 W			eather:	Sunny, 60s	
Sampling Method:	pover	gizb		Crew:	SK, CO, RM, ES	
	Location ID:	SS 633				
GRAB DATA	On armored slo	ppe (Y/N)?	J	Depth o	of overlying sediment, if known (cm):	
Latitude/Northing	g(Y): 1930	919.39		Longitu	Ide/Easting(X): 1276370.05	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)	Comments		
0808	5.3 ft 2.77 ft	14cm	Y	tide	=8.69 ft (RTK tide Station)	
				MUZ	line=+3.4 Ft MLLW	
					A 15 Ft from target.	
SAMPLE DATA	Sample ID:	.DW21-	SS633			
Pre-homogeniza				nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	Sed	liment odor		Comments:	
cobble	brown surface	surface none H ₂		s	Small trace organic debnis (twigs branches)	
grave Track	drab olive	sligi	ht pe	troleum	(twigs branches)	
Sand (F) (M) C)	brown	mod	derate ot	her:		
silt	gray dark	stro	ng			
clay	black					

	/
TVT.	1/2000
$\sqrt{\lambda}/111$	d/ward
A A TTT	Yenvironmental LLC

Project Name:	LUM AD	14 - Phos	د ا Proj	ect no.:	
Date:	7.12.202	-1	w	eather: Sunny, 705 Crew: SR, CD,	
Sampling Method:	power g	np de		Crew: SR, CD,	
	Location ID:	55634			
GRAB DATA	On armored sid			Depth of overlying sediment, if known (cm):	
Latitude/Northin	g(Y): 1938	355.83		Longitude/Easting(X): 1276268,26	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)	Comments	
1115		723 cm	N	over-penchated	
1118		5cm	2		
1122	7.8341	15cm	Y	tide= 0.85 ft (PTK tide Stehen)	
	22			About 2.9 ft from larget	
SAMPLE DATA	Sample ID:	DW 21-5	55634		
Pre-homogeniza	tion analyses (ci			nmonia AVS/SEM TPH-P Other:	
Sediment type	Sediment color	Sedi	iment odor	Comments:	
cobble	brown surface none H		H ₂	S	
gravel	drab olive slight pe		t pe	troleum	
sand (F)M C)	brown	mod	erate oth	ner:	
silt	gray dk	stror	ng		
clay	black				

	-/ -	
W/in	d/ward	_
V V 11 3	environmental LL	_

Project Name:	LDVU ACC			ect no.:	420 F. C. 1200	
Date:	7-12-202	ــــــــــــــــــــــــــــــــــــــ	w	Sunny 60s SIL, CD, RM, ES		
Sampling Method:	power g	ds		Crew:	SIR, CD, RM, ES	
	Location ID:	55636				
GRAB DATA	On armored slope (Y/N)?			Depth of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): 19381	5.62		Longitu	ide/Easting(X): 1276367.56	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments	
0755	7.60 ft	13cm	Y	tide	= 9.07 Ft (RTK hde Stahun)	
				mudl	ine = +1.5ft Muw	
				Abu	A 32 Ct from torget	
SAMPLE DATA	Sample ID:	DW21-S	5636			
Pre-homogeniza	ition analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment colo	r Sed	iment odor		Comments:	
cobble	brown surface	thin (non	e H ₂	s		
gravel	drab olive	sligi	nt pe	troleum		
sand (F M C)	orown	mod	derate oth	ner:		
silt	gray	stro	ng			
clay	black				N	

	1
TV7:	1/mord
W 11	Ward LLC
	environmental

Project Name:	LOW AC	CA	Proj	ect no.:			
Date:	7.12.2021 W			leather:	Suny, 70s		
Sampling Method:	power	grab			SP, CD, ES, RM		
	Location ID: SS 641						
GRAB DATA	On armored slo	ppe (Y/N)?	J	Depth o	of overlying sediment, if known (cm):		
Latitude/Northing	g(Y): \Q	3754.	51	Longitu	ide/Easting(X): \276364.82		
Grab time Bottom depth Penetration Acceptable depth (cm) grab (Y/N)				Comments			
1053	3.20 ft	13 cm	7	tide:	= 2.14 ft (RTK indestation)		
				muzi	ine = -1.1 ft muw		
					+ 1.6 ft from target (core)		
					0 *		
SAMPLE DATA	Sample ID:	.DW21 -	-55641				
Pre-homogenizat	tion analyses (ci	rcle): VOC	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	Se	diment odor		Comments:		
cobble	brown surface	no	ne H ₂	s			
gravel	drab olive	slig	jht pe	troleum			
sand (FM)C)	brown	mo	derate ot	her:			
silt	gray	str	ong				
clay	black						
					I .		

	- /
TVT'	1/
\X/111	d/ward
AATIT	environmental LLC
	A.

Project Name:	LDW A	OCA-F		ject no.:	Text of	
Date:	7.12.2021 Weather: Sunny, 70s Ocuar grab Crew: SR, CD, RM, ES					
Sampling Method:	power g	ds		Crew:	SR, CO, RM, ES	
	Location ID:	53642				
GRAB DATA	On armored slo	ope (Y/N)?	J	Depth o	of overlying sediment, if known (cm):	
Latitude/Northing	g(Y): 193	693.78		Longitu	ide/Easting(X): 276293.78	
Bottom depth Penetration Acceptable Grab time (m or ft) depth (cm) grab (Y/N)					Comments	
1105	9.60 ft	>23 cm	n N	over	penetrated	
1108	9.60ft	16 cm	· Y	tide	= 1.48 ft (PTK had sinher)	
					line=-8 ft. MLLW	
				Abus	- 3.6 ft from terget	
).5					0	
SAMPLE DATA	Sample ID:	-DW21-	-SS642			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	mmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	Se	diment odor		Comments:	
cobble	brown surface	no	ne H	l₂S	Clam Shell	
gravel	drab olive	slig	ght p	etroleum		
(sand F) M C)	brown	mo	oderate o	ther:	in.	
silt	gray	str	rong			
clay	black					

Wind	ward ward
VV III	environmental LLC

Project Name:	LOW AOC	3-1 hase		ect no.:	Cast Note is		
Date:	7-12-2021 W			eather:	Sunny, 60s		
Sampling Method:	pover g	ds		Crew:	Sunny. 60s SR, CD, ES, RM		
	Location ID: 53643						
GRAB DATA	On armored slo	ope (Y/N)?	J	Depth o	f overlying sediment, if known (cm):		
Latitude/Northing	g(Y): 1436	92.85		Longitu	de/Easting(X): 1276336.34		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments		
0838	12.03 Ft	13cm	Y	tide	= 7.81 ft (PTK tide Station)		
				mudh	m = -4.2 ft milw		
				Abu	+ 2.8 ft Com target		
					0		
SAMPLE DATA Sample ID: LDW21-SS643 + LDW21-SS643-FD							
Pre-homogeniza	tion analyses (ci			nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r Sed	iment odor		Comments:		
cobble (brown surface	non	none H ₂		aquatic vegetation on Surface would debus (isolated		
gravel	drab olive	sligh	nt pe	troleum	Survey debag (se seed		
sand(FM)C)	brown	mod	derate oth	ner:	1 modely comms (15012469		
silt	gray	stro	ng				
clay	black						

	1
TVT.	1/2000
$\lambda \lambda / 11^{\circ}$	d/ward
AATT	environmental LLC
	/

Project Name:	LDW AOCA Phose 1) Project no.:						
Date:	7.12.20	21		Weather:	Sunny, 60s SK, CD, RM, ES		
Sampling Method:	power	grab	= 1114-11	Crew:	SK, ED, RM, ES		
	Location ID:	 SS645					
GRAB DATA	On armored slo		J	Depth o	Depth of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): 1936	86.95		Longitu	ide/Easting(X): 127 63 73.40		
Bottom depth Penetration			Acceptable grab (Y/N)				
0855	8.19 ft	17cm	À	tide-	=7.29 Ft (PTK tode Status)		
				mvd	line = -0.9 ft meiw		
					- 1.1 ft from target		
				1 000			
SAMPLE DATA	Sample ID:	-DW21	-SS645				
Pre-homogeniza	tion analyses (ci			Ammonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment colo	r Se	diment odor		Comments:		
cobble	brown surface	> (no	none H ₂		organic dubns (sticks/leaves)		
gravel	drab olive	sli	slight pe		aquatic veg. on surface		
(sand(F)M) C)	brown	mo	moderate ot				
silt	gray	str	rong				
clay	black						

	/
X X7 7*	1/1
\X/11	d ward
VV II.	environmental LLC
20 V.	environmental
	£7

Project Name:	LDW AOC	4- Phz	84 IL P	roject no.:				
Date:	7.22.2021 Weather: SWny, 605 hand-coilect Crew: Siz, ES, IM							
Sampling Method:	hand co	ileet		Crew:	SP, ES, PM			
	Location ID: 5S646							
GRAB DATA	On armored slo			Depth o	Depth of overlying sediment, if known (cm): Vanable			
Latitude/Northing	a(Y): 193	739		Longitu	ide/Easting(X): +276432			
Grab time	Bottom depth (m or ft)	Penetration depth (cm)			Comments			
1150		10cm	1 7					
4					*			
SAMPLE DATA	Sample ID:	-D W21 -	-SS646					
Pre-homogeniza				Ammonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	Se	ediment odor		Comments:			
cobble (brown surface	no	none H					
gravel)	drab olive	sli	ight	petroleum				
sand F MC	brown	m	oderate	other:				
silt	gray	sti	rong					
clay	black							

Win	d ward
*****	environmental LLC

Project Name:	LDW AOCY - Phase II Project no.:							
Date:	7-12-2021 Weather Surry, 70s							
Sampling Method:	power	power grab crew: SR, CD, ES, RM						
0040 D474	Location ID:	Location ID: SS 647						
GRAB DATA	On armored slo	pe (Y/N)?	7	Depth o	of overlying sediment, if known (cm):			
Latitude/Northin	g(Y): 1934	94.13		Longitu	ide/Easting(X): 1276409.38			
Grab time	Bottom depth Penetration Acceptable (m or ft) depth (cm) grab (Y/N)				Comments			
1035	4.81 ft 15cm Y		tide	= 2.82 ft				
					line = -2 Ff MLLW			
					of 1.9 ft from target (core)			
SAMPLE DATA	Sample ID:	DWZI	-35647					
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides A	mmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	s	ediment odor		Comments:			
cobble	brown surface none		one H	₂ S	trace organic material			
gravel	drab olive	s	ight p	etroleum				
sand (F) (M) C)	brown	m	oderate o	ther:				
Silt	gray	s	trong					
clay	black							

	/	
TVI	Jam	rd
WII.	19/Wa	LULLC
9	environme	entai

Project Name:	CISW ACCO PRISE II PROGRAM.						
Date:	7-12-2021 Weather Sunny, 60s Power girls Crew: SR, CD, RM, ES						
Sampling Method:	power	jæb		Crew:	SR, ED, RM, ES		
	Location ID: 2						
GRAB DATA	On armored slo		1	Depth o	of overlying sediment, if known (cm):		
Latitude/Northin	00 -	_	J	<u> </u>	ide/Easting(X): 1276449.71		
Latitudo/Nortini	9(Y): 1934C	35.85			1216449.71		
Bottom depth Penetrati Grab time (m or ft) depth (co			Acceptable grab (Y/N)	Comments			
0735	10.71 ft	19cm	Ä	the	= 9.41 Et (PTK tide Station)		
				mud	line = -1.3 ft milw		
				Abu	A15 ft from target (core)		
SAMPLE DATA	Sample ID:	DW21-	55651				
Pre-homogeniza	tion analyses (ci			nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	Sed	liment odor		Comments:		
cobble	brown surface thin none H		s	agretic regulation of			
gravel	drab olive	slight p		troleum	Surface		
sand (FM) C)	(brown)		derate oth	ner:			
silt	gray	stro	ng				
clay	black						

	- /
TVT	1 horal
Wind	Ward environmental LLC
	environmental

Project Name:	LDW AOCA - Phase II Project no.:					
Date:	7-12-202	-1		sunny, 70s sir, CD, RM, ES		
Sampling Method:	paver g	rab		- 11	Crew:	SP, CD, PM, ES
	Location ID:	SS650	6			
GRAB DATA	On armored slo	pe (Y/N)?	2		Depth o	of overlying sediment, if known (cm):
Latitude/Northing	g(Y): 1932	72.95	5	Longi		de/Easting(X): 1276472,27
Grab time	Bottom depth (m or ft)	Penetrati depth (c		otable (Y/N)		Comments
1025	5,24 2,5+ ft	18 cm	n Y	,	tide	= 3.51 ft
					Mudli	ne = -1.7 ft miw
						A 1.4 ft from target (core)
SAMPLE DATA	Sample ID:	0W21	-5565	6	·	
Pre-homogeniza					nmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	r	Sediment od	ior		Comments:
cobble (brown surface	(none	H ₂	s	trace organics
gravel	drab olive		slight	pe	troleum	
sang)(FM)C)	brown		moderate	oth	ner:	
silt	gray		strong			
clay	black					



Windward SURFACE SEDIMENT COLLECTION FORM

Project Name:	LDW AOCY Phase // Proj					ect no.:		
Date:	7/9/21				W	eather:	705, SVA	
Sampling Method:		power grab					KM, CO, ES, KS	
	Location ID:	55661	/					
GRAB DATA	On armored slo	pe (Y/N)?	· //	/		Depth of overlying sediment, if known (cm): 10		
Latitude/Northing	g(Y): 19325	51.16				Longitu	ude/Easting(X): 1276561. 23	
Grab time	Bottom depth Penetration Acceptable (m or ft) depth (cm) grab (Y/N)				Comments			
1535	2.3 4.3	17 c	m	y		6.78	s ft (RTK tide station)	
							¥.	
SAMPLE DATA	Sample ID: LOW21 - 55661							
Pre-homogeniza	tion analyses (ci	rcle): V	ос	Sulfides	Ап	nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color		Sed	iment odor			Comments:	
cobble	brown surface	none		H ₂ S	s			
gravel	drab olive	slight		light pe		troleum		
sand (F M C)	brown		mod	lerate	oth	ner:		
Silt	gray		stro	ng				
clay	black							

	/
TVT	1/2000
W/111	d/ward
A A TT	environmental LLC

Project Name:	LOW ACCA - Phase II Project no.:						
Date:	7.12.2021 Weather Suny, 60s Power grab Crew: SR, CD, ES, RM						
Sampling Method:	power of	jab		Crew:	SR, CD, ES, RM		
	Location ID: SS667						
GRAB DATA	On armored slo	pe (Y/N)?	J	Depth o	of overlying sediment, if known (cm):		
Latitude/Northing	g(Y): 1930	32.91		Longitu	de/Easting(X): 1276589.33		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments		
0722	9.73 Ft	9,73 Ft 15cm		tide	= 9.68 ft (RTK tidestation)		
				mud	line = 0 ft MLLW		
				Abou	+ 1.0 ft from target.		
SAMPLE DATA	SAMPLE DATA Sample ID: LD W21-SS667						
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r Sed	liment odor		Comments:		
cobble	brown surface	none	e H ₂	s	Some organic moternal		
gravel	drab olive slight pe			troleum	Some organic moternal (aquatic vegetation at Surface)		
(sand (F) M)C)	brown moderate ot			ner:	Surrace		
silt	gray strong						
clay	black						

	/
TVT	1/mord
W 111	d/ward
* *	environmental LLC
	2-1

Project Name:	LDW AOCA	Phrise 11		ect no.:			
Date:	7.12.2021 we				Snny, 60s		
Sampling Method:	power g	eb		Crew:	SP, CD, RM, ES		
	Location ID: SS668						
GRAB DATA	On armored slo	pe (Y/N)?)	Depth o	of overlying sediment, if known (cm):		
Latitude/Northing	g(Y): 1930	45,91		Longitu	de/Easting(X): 127.6651.53		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)	Comments			
0710	6.9 ft	12cm	7	tide	= 9.86 Ft (PTK ide Station)		
					mudline = +3 ft mill		
					Abut 0.4 ft from torget. (core		
SAMPLE DATA	Sample ID:	DW21-5	55668				
Pre-homogeniza	tion analyses (cir	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	Sed	iment odor		Comments:		
cobble	brown surface	none	Ð H₂	s	Some organic Jubris		
gravel	drab olive	sligh	nt pe	troleum			
Sand (F (W) C)	brown	mod	lerate oth	ner:			
silt	gray	stro	ng				
clay	black						

	/
TVT	1/xxxxd
W111	d/ward
V V A.A.	environmental LLC

Project Name:	LDW AOC	4 Phas	Proj	ect no.:					
Date:	7.16.20			leather:	overcast, 50s				
Sampling Method:					SR, CD, ES, RM				
	Location ID:	Location ID: SS675							
GRAB DATA	On armored slo	ope (Y/N)?	J	Depth o	of overlying sediment, if known (cm):				
Latitude/Northin	g(Y): 1928	72.16		Longitu	ude/Easting(X): 1277410.31				
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments				
0943	16.55 ft	>23 cm	N	over-	pene trated				
0945	16.5 ft	0	N		•				
0947	16.46 ft	16cm	Ä	tide	= 8.38 ff (PTh hae stehan)				
					dline = -8.1 ft mill				
					- 1.8 ft from target (core)				
SAMPLE DATA	Sample ID:	DW21-5	S675						
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	mmonia	AVS/SEM TPH-P Other:				
Sediment type	Sediment color	Sec	liment odor		Comments:				
cobble	brown surface	own surface none H			wirms				
gravel	drab olive	slig	ht pe	etroleum					
sand (F M C)	brown	moderate of		her:					
silt	gray	stro	ng						
clay	black								

	/
TVT	1/2704
$\lambda\lambda/11$	nd/ward
A A 11	environmental LLC
100	/

Project Name:	LOW AD	24 - 1h	Proj	ect no.:				
Date:	7.16.202	1	W	eather:	Ovurcesi, 50s			
Sampling Method:	power g	abda		Crew: _	SR, CD, RM, ES			
	Location ID: SS676							
GRAB DATA	On armored slo	pe (Y/N)?	J	Depth o	of overlying sediment, if known (cm):			
Latitude/Northing	g(Y): 1928	93.71		Longitu	de/Easting(X): 1277470,22			
Grab time	Bottom depth (m or ft)	Penetration depth (cm)			Comments			
1003	15.96ff	723 cm	n N	over-	penetrated.			
1007	15.774 15 a		Y	tide:	tide = 8.42 ft (PTK tide Station)			
				mudi	line= -7.4 ft. MLLW			
					+ 2.3 ft from target (core)			
					0 ,			
SAMPLE DATA	Sample ID:	DW21-	SS676	-1				
Pre-homogeniza				nmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	Se	ediment odor		Comments:			
cobble	forown surface none H			S	trace organic debris			
gravel	drab olive slight pe			troleum	,			
sand (F M C)	brown moderate of		oderate ot	ner:				
silt	gray	st	rong					
clay	black							

	-/-
VX/i 1	d/ward
AA 11	environmental LLC
0.00	

Project Name:	LOW ACC	4-Phes	el Proje	ect no.:				
Date:	7.16.202	4	w	eather:	overeast, 50s			
Sampling Method:	power grab crew: SR, CD, ES, RM							
	Location ID: 55678							
GRAB DATA	On armored slo	ope (Y/N)? /	J	Depth o	of overlying sediment, if known (cm):			
Latitude/Northin	g(Y): 1929	11.95		Longitu	ide/Easting(X): 127/7489 24			
			Acceptable grab (Y/N)		Comments			
1022	16.88 87	>23cm	N	over-	penetroted			
1024	16.75 ft 19 cm		Y	tide =	8.42 ft milw			
				MUHI	me=-8.3 ft milw			
				Abou	It 2 fit from target			
					0			
SAMPLE DATA Sample ID: LOW21-SS678								
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color	Se	diment odor		Comments:			
cobble	brown surface none H			s	worms			
gravel	drab olive slight p			troleum	organic dibns (liaves)			
eane(F) M C)	brown	mo	derate oth	ner:				
silf	gray							
clay	black							

	1
VVT.	1/1
\X/11	10 Ward
AA II	Lenvironmental LLC
	/ chritonine.ii.

	7/13/ZI POWER GO			<u>//</u>	_		70s, Sun KM, CO, ES, RM	
GRAB DATA Location ID: 55686							f evertising codiment if known (cm):	
Latitude/Northing	On armored slope (Y/N)? N Latitude/Northing(Y): 190568.88					Depth of overlying sediment, if known (cm): n4 Longitude/Easting(X): /277240. 36		
Grab time	Bottom depth (m or ft)	Penetra depth (· ·			Comments		
13/5	3.7.F+	19		У		-0.	98 Ff CRTK tidestetion)	
SAMPLE DATA	Sample ID: 💪	DW21	-5	5680				
Pre-homogeniza	tion analyses (ci	rcle): V	ос	Sulfides	Am	nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color brown surface none		iment odor			Organic material (frace)		
gravel Frace	drab olive					troleum		
sand (F (M) G)	brown		mod	moderate ot		ier:		
silt	gray		strong				8	
clay	black							

	/
TVI	1/xxord
W 111	d/warq _{ic}
* * ***	environmental LLC

Project Name:	LOW ADO	ca ph	2	Proje	ct no.:					
Date:	7.12.20	21		Sunny, 60s SR, CD, RM, ES						
Sampling Method:	power	grab			Crew:	SF, CD, RM, ES				
	Location ID:	Location ID: 5568)								
GRAB DATA	On armored slo	pe (Y/N)?	N		Depth o	of overlying sediment, if known (cm):				
Latitude/Northing	g(Y): 1000	047.8	7		Longitu	ide/Easting(X): 1277298.23				
Grab time	Bottom depth Penetra Grab time (m or ft) depth (Acceptable grab (Y/N)		Comments				
0925	- F.	im		N						
0928	4.5 ft	6cm		N	brick	in grab.				
0930	5.07 (+	Ilcm		7	tide	= 5.56 fi (PTK hade statum)				
					Mudh	ne = 10.5 ft MLLW				
					Abw	+7.5 ft from target.				
SAMPLE DATA	Sample ID:	-DW21	- S	5681						
Pre-homogeniza	tion analyses (ci	rcle): VO	С	Sulfides Am	monia	AVS/SEM TPH-P Other:				
Sediment type	Sediment color		Sedin	ment odor		Comments:				
cobble	brown surface	(none		6	- brown mottling throughout (top 8 cm) - trace organic debris				
gravel trace	drab olive		slight pe		roleum	(top 8cm)				
sand(F)(M)C)	brown		moderate o		er:	-trace organic debris				
silt	gray		strong	g						
clay	black									

	/
TVT'	1/2000
$\lambda \lambda / 11$	d/wara
V V 11.	environmental LLC
_	

	Project Name:	LOW HOCH	phase		ect no.:				
	Date:	7/13/21 W				leather. 60s, closedy			
	Sampling Method:	pinzi gr.	16		Crew:	Crew: KM, CD, ES, RM			
		Location ID: 55682							
	GRAB DATA	On armored slo	pe (Y/N)?	\mathcal{N}	Depth o	of overlying sediment, if known (cm): 79			
	Latitude/Northin	g(Y): See be	lew		Longitu	ide/Easting(X): See below			
	Grab time	Bottom depth (m or ft)	Penetrati depth (ci			Comments			
	0725			N	roc	k in jaws, no sumple			
0	0730			N		k in jaws, no sample			
	0735		uptoch	n d	Was	hed out, underpenetrated			
190618.767	-0740	12.3Ft	13 cm	n Y	9.79	if the (RTK tide station)			
277335.96] 90608.27 1277339.92	0745	11.6ft	1301	n y	9.65	of (RTK tide station)			
90610.51	-0800	11.6 Ft	12 cm	n Y	9.45	of the (RTK tide station)			
277339.57	SAMPLE DATA	Sample ID:	DW21	-55682					
	Pre-homogeniza	tion analyses (ci	rcle): VO	C Sulfides A	mmonia	AVS/SEM TPH-P Other:			
	Sediment type	Sediment color	r	Sediment odor		Comments:			
_	cobble	brown surface		none l	l₂S				
next page	gravel	drab olive		slight p	etroleum				
page	sand (F M C)	brown		moderate o	ther:				
	silt	gray		strong					
	clay	black							

	1
TVT.	1/27040
W/11	10 Ward
V V 11	environmental LLC
-	

Project Name: Date: Sampling Method:	7/13/21 pouls			roject no.: Weather: Crew:	KM, CO, ES, RM	
	Location ID:	55682	2 (cont.)			
GRAB DATA	On armored slo	pe (Y/N)?	N	Depth of overlying sediment, if known (cm): 79		
Latitude/Northin	g(Y): 19061	14.17		Longitu	ide/Easting(X): 1277338,48	
Grab time	Bottom depth (m or ft)	Penetratio			Comments	
0810	10.96+	14cm	y	9.4.	5 ft (RTK tide station)	
SAMPLE DATA	Sample ID: 6	DWZ1.	-55682			
Pre-homogeniza	tion analyses (ci	rcle): VOC	C Sulfides	Ammonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	r S	Sediment odor		frace organic motorial	
cobble	brown surface	C	none	H₂S	- Hate again pro-	
gravel	drab olive	s	slight	petroleum		
sand FM C)	brown	n	noderate	other:		
silt	gray	s	strong			
clay	black					

Wind	ward
VV III	environmental LLC

	Project Name:	LOW ADEA Phase 11 Project no.:								
	Date:	7/13/21				We	eather: 6	Os, Cloudy		
	Sampling Method:	7/13/71 Weather: 60s, Cloudy power grab crew: KM, CO, ES, RM								
		, ,								
		Location ID: 55685								
	GRAB DATA	On armored slope (Y/N)?					Depth o	f overlying sediment, if known (cm): 19		
	Latitude/Northing(Y): See below Longitu							de/Easting(X): See be/ow		
	Grab time	Bottom depth (m or ft)	Penetration		Acceptable grab (Y/N)			Comments		
	0855				\sim		rock	cinjaws, no recovery		
	0900				N			kinjaws, no nevery		
190584.7	2905	8,054	13 cm		У			of (RTK Ade station)		
190586.17		9.2 ft	120	m	Y		8.09	of CRTK tide station)		
190579.87		9.4 F.t	1601	n	Y		8.09	off (RTR tide station)		
1277393.95										
	SAMPLE DATA	E DATA Sample ID: 60021-55685								
	Pre-homogenization analyses (circle): VOC Sulfides Ammonia AVS/SEM TPH-P Other:									
	Sediment type	Sediment color		Sed	iment odor			Comments:		
	cobble	brown surface	n	none	D	H ₂ S	3	brick fragments		
	gravel	drab olive		sligh	nt	pet	roleum			
	(sand (F)M) C)	brown		mod	erate	oth	er:			
	silt	gray		stroi	ng					
	clay	black								

Win	d/ward
AA 11.1	environmental LLC

Project Name:	LDW ACK	14 - Phas				
Date:	7.12.202	21	w	eather:	Sunny, 60s	
Sampling Method:	pover	grab		Crew:	sunny, 60s SR, CD, RM, ES	
	Location ID:	65686				
GRAB DATA	On armored slo	pe (Y/N)?	J	Depth of overlying sediment, if known (cm):		
Latitude/Northing(Y): 196558.30					ide/Easting(X): 1277435.69	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments	
0945	7.53 ft	19um	Y	tide-	= 4.86 Ft MLLW	
				Mud	line = - 2.7 ft	
					ut 1.9 ft from target	
6 ,				-,,00	, , , , , , , , , , , , , , , , , , ,	
SAMPLE DATA	Sample ID:	DW21-S	S686	Di-		
Pre-homogeniza	ition analyses (ci			nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	Sed	iment odor		Comments:	
cobble	brown surface	brown surface none H			endence of worm holes	
gravel	drab olive	drab olive slight pe			endence of worm holes	
(sand)(F)M C)	brown moderate		erate oti	ner:		
silt	gray davi	stro	ng		*	
clay	black					

	1
TVT:	1/27020
W/11	Ward LLC
A A 117	environmental LLC
	/

Project Name:	LOW AOCA - Phase Project no.:									
Date:	7.22.2021 Weather: PAMY Cloudy 603 hund collected Crew: GR, TD, RM, ES									
Sampling Method:	hund: col	lected		Crew:	GR, TO, RM, ES					
	Location ID:	Location ID: SS687								
GRAB DATA	On armored slo	ope (Y/N)?)	Depth of overlying sediment, if known (cm):						
Latitude/Northin	g(Y): 180	1924		Longitu	ide/Easting(X): 1277 08					
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)	Comments						
0645	_	10 cm	Y	extra	volume collected for toxique					
					mpies.					
SAMPLE DATA	Sample ID:	0W21-S	5687							
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Arr	ımonia	AVS/SEM TPH-P Other:					
Sediment type	Sediment color	r Sed	iment odor		Comments:					
cobble	brown surface	thin (none	e H ₂ s	S	agric regetation at surface					
gravel	drab olive	sligh	nt pel	roleum	brick fragments					
sand (F) M C)	brown	mod	lerate oth	er:	woody debns					
sitt	gray	stro	ng							
clay	black									

TVT.	1/2000
VA/11	nd/wara
A A II	environmental LLC

Project Name: Date:	10W ACCA - Phase II Project no.:						
Sampling Method:	hand: coll	eet		Crew:	SP,CD, RM, ES		
	Location ID:	55688					
GRAB DATA	On armored slo	ppe (Y/N)?	J	Depth o	Depth of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): 189	89 5		Longitu	rde/Easting(X): 1277151		
Grab time	Bottom depth (m or ft)			Comments			
1510	-	10 cm	Y	extra	a volume collected for		
				7	bxicity testing somples		
			<u> </u>				
SAMPLE DATA	Sample ID:	DW21-S	5688				
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	mmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r Sed	liment odor		Comments:		
cobble	prown surface	non	none H ₂		gray black patches in sediment brick fragments		
grave trace	drab olive	slig	ht pe	etroleum	brick fragments		
sand(f)(M) C)	brown ivace	mod	derate ot	her:			
silt	(gray)	stro	ng				
clay	black						

	/
TYZ	dward
WIII	Cenvironmental LLC
_	/ c

Project Name:	LDW AOCA- Phase II Project no.:					
Date:	7-16-202	١	W	eather:	overcast, 60s	
Sampling Method:	hand co	ileet		Crew:	SR.CO, PM.ES	
	Location ID:	<i>5</i> 5689				
GRAB DATA	On armored slo	ope (Y/N)?)	Depth o	of overlying sediment, if known (cm):	
Latitude/Northing	g(Y): 18	9921		Longitude/Easting(X): 1277216		
Grab time			Acceptable grab (Y/N)	Comments		
1410	-	10 am	Y	extr	a volume collected for toxicity	
				-1	esting. Sample	
SAMPLE DATA	Sample ID:	2-15WO.	55689			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Am	monia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	Sed	iment odor		Comments:	
cobble	brown surface none H ₂		6	brick fragments		
gravel	drab olive	sligh	nt pet	roleum	brick fragments small cobble +gravel glass pieces	
sand (F M C)	brown	mod	lerate oth	er:	glass picces	
silt	gray		ng			
clay	black	-				

Win	ward ward
	environmentai

	LDW ACC			ect no.:		
Date:	7/21/21 Wes				60s, cloudy	
Sampling Method:				Crew: /	M, CO, ES, RM	
	Location ID:	15090	17- 550	90		
GRAB DATA	On armored ele	one (V/N)2		Depth o	of overlying sediment, if known (cm):	
	On armored slo		J	774		
Latitude/Northin	g(Y): 189	1867		Longitu	de/Easting(X): 1277/98	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments	
1230	na	10	y	Calle	cted by hand as close to	
				+0	arset as possible (32 ft	
					way). Accordinated by a	
				fe.	ner and thick marsh	
				0	egetation Extra volume	
SAMPLE DATA	Sample ID: ¿	-DW21-	55690			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	r Sed	iment odor		Comments:	
		_			rigetation on surface,	
cobble	brown surface	none	₽) H ₂	S	Some organic material	
gravel	drab olive	sligh	nt pe	troleum	tragments KM	
sand(FM)C)	orown .	mod	erate oth	ner:	21	
silt	gray	stroi	ng			
clay	black					

	/
TVT	Larged
W111	d/ward
	environmental LLC

Project Name:		AOCA Phase Z Project no.:					
Date:	0/28/2021 Weather: 905, SUNNY						
Sampling Method:	hand-	colle	iteal	Crew:	SP.TD, NV, BQ		
	Location ID:	5569	11				
GRAB DATA	On armored slo	pe (Y/N)?	7	Depth o	of overlying sediment, if known (cm): DA		
Latitude/Northing	9(Y): 19b	065		Longitu	ude/Easting(X): 1277405		
Grab time	Bottom depth Penetration Acceptable (m or ft) depth (cm) grab (Y/N)				Comments		
11:10	NA	10	Y				
					ų –		
				4			
					2		
58							
SAMPLE DATA	Sample ID:	DW2	-1 - SS	691			
Pre-homogeniza	tion analyses (ci	rcle): VOC	C Sulfides /	Ammonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color		Sediment odor		Comments:		
cobble	brown surface		none	H₂S	Aquatic Vegetation		
gravel	drab olive		slight	etroleum			
sand (F/M C)	(brown - ligh		noderate d	other:			
silt	gray	s	strong				
clay	black						

Win	d ward
VV 111	environmental LLC

Project Name:	AOC4			Project no.:					
Date:	6-28-2021 Weather: Sunny, 905								
Sampling Method:	hand .c	ollecte	d	Crew:	w: SR, TD, AV, Ba				
	Location ID:	T691	<						
GRAB DATA	On armored slope (Y/N)?				epth of overlying sediment, if known (cm): NA				
Latitude/Northin	g(Y): 1906	65		Long	ongitude/Easting(X): 1277405				
Grab time Bottom depth Penetration depth (cm)				/N)	Comments				
1115	NA	450	n Y	0	0-10am - silt + fine sond,				
					Surface = aquatic regelation/10 10-45cm - fine/M sand, gray, Sand becomes more M as you get desper				
					Surtain = aquatic vegetation / 12				
				lò	0-45cm - fine/M sand, gray,				
					Sand becomes more M as				
					gol get desper				
SAMPLE DATA	Sample ID:	DW21	-IT691						
Pre-homogeniza	tion analyses (ci	rcle): VO	C Sulfides	Ammonia	nia AVS/SEM TPH-P Other:				
Sediment type	Sediment colo	r .	Sediment odor		Comments:				
cobble	brown surface		none	H₂S					
gravel	drab olive		slight	petroleur	eum				
sand (FM) C)	brown		moderate	other:					
silt	gray		strong						
clay	black	1							

Win	d ward
*****	environmental LLC

Project Name:	MOCH PWISE Z Project no.:					
Date:	170C4 PWSE Z Project no.: 6/28/202 Weather: 905, SUNNY hand-collected Crew: Sie, TD, AV, BQ					
Sampling Method:	hand-	collect	ed	Crew:	SR, TD, AV, BQ	
	Location ID: 55692					
GRAB DATA	On armored slo		(a)	Depth o	of overlying sediment, if known (cm): V/A	
Latitude/Northin	g(Y): +90	10050 1	90101	Longitu	ude/Easting(X): 777 445 1217442	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments	
11:34	P/A	10	Y			
				i.		
SAMPLE DATA	Sample ID:	DW 21	-550	092	2	
Pre-homogeniza	tion analyses (cir	cle): VOC	Sulfides Am	nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color	Sed	iment odor		Comments:	
cobble	brown surface	nface none H ₂		S	Aquatic plant matter	
gravel	drab olive	sligh	it pei	roleum	(Next) C1	
sand (F)M C)	brown	mod	erate oth	ier:		
silt	gray	stror	ng			
clay	black					

	1
TVT	1/mord
Win	Ward LLC
, ,	environmental

Project Name:	AOCA 1	These 1		ect no.:	5 Q4 X0
Date:	6.28.200	21	W	leather:	Surry 90s SK, TD, AV, Ba
Sampling Method:				Crew:	SR, TO, AV, BA
	Location ID:	1692			
GRAB DATA	On armored slo)	Depth	of overlying sediment, if known (cm): NA
Latitude/Northing(Y): 190101					ude/Easting(X): +27744
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
1135	NA	45cm	Y	0-15	icm - Silt + FIM Sand, brown WI gra
1,00					pochets of black in top 10 cm
				15-2	ocm - Clay/silt layer, gray my trace gravel.
					· ·
				20-	ASom - F/M sond, gray,
					Mostly M Sand at bottom
					(400m)
SAMPLE DATA	Sample ID:	LDW21-	17692		
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	mmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	Sec	liment odor		Comments:
cobble	brown surface	non	e H ₂	₂S	trave plant material
gravel	drab olive	slig	ht pe	etroleum	
sand (F)M C)	brown	mod	derate ot	her:	
silt	gray	stro	ong		
clay	black				

	/
TVT'	1/2000
$\lambda \lambda / 11$	od/ward
V V 11	environmental LLC

Project Name:	AOC4	Masc	L Proje	ect no.:	Parameter		
Date:	6/28/20	121	w	eather.	90s, sonny		
Date: Sampling Method:	hand -	collecte	ed	Crew: 5	90s, sonny R, TD, AV, BQ		
	Location ID:	53697	<u> </u>	•			
GRAB DATA	On armored slo	pe (Y/N)?		Depth of overlying sediment, if known (cm):			
Latitude/Northing	g(Y): 19bl	299		Longitu	ide/Easting(X): +277500 127750		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)			Comments		
10:45	NA	10	Y				
·							
			a				
SAMPLE DATA	Sample ID:	DW21	-656	13			
Pre-homogeniza	tion analyses (cir	cle): VOC	Sulfides Am	imonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	Sedi	iment odor		Comments:		
cobble	brown surface none H			S	aquatic plant		
gravel	drab olive	sligh	it pet	roleum	155		
sand (F) M C)	brown	mod	erate oth	er:			
silt	gray	stror	ng 👵				
clay	black						

	/
	IVI Javoro
0	Wind/ward
	environmental
	VV III Convironmental

Project Name:	AOCA P	hase	11_		oject no.:	Viso Viso
Date:	6.28.2021 W				Weather: 🤾	Sunny, 90s
Sampling Method:	hand co	ilected			Crew:	Sp. 70, AV, Ba
on an Data	Location ID:	T69:	3			
GRAB DATA	On armored slope (Y/N)?				Depth o	of overlying sediment, if known (cm):
Latitude/Northing(Y): 190099					Longitu	ide/Easting(X): 1277500
Grab time	Bottom depth (m or ft)	Penetrat depth (c		Acceptable grab (Y/N)		Comments
1050	NA	450	m	Y	Surt	Som - SIH WI trace fines, gray Ibrown 5 cm - M/F Sand, gray
					6-15	som - SIH WI trace fines,
					1 1	Stay for wi
					15-4	50m - M/F SZNA, Gray
SAMPLE DATA	Sample ID:	DW2	- r	T693		
Pre-homogeniza	tion analyses (ci	rcle): VO	C	Sulfides A	mmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color		Sedir	ment odor		Comments:
cobble	brown surface	(none) +	I₂S	
gravel	drab olive		slight	F	etroleum	
sand (F M C)	brown		mode	erate d	ther:	
silt	gray		strong	g		
clay	black					

	/
TVT	1/zzard
W 11	o ward
, ,	environmental LLC

Project Name:	LDW A			ect no.:		
Date:	7.12.20		w	eather:	sunny bus SK, CD, RM, ES	
Sampling Method:	hand. C	silected		Crew:	SK, CO, RM, ES	
	Location ID:	SS 694				
GRAB DATA	On armored slo]	Depth of overlying sediment, if known (cm):		
Latitude/Northing	g(Y): 190	0044		Longitu	ide/Easting(X): 1277456	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments	
1005.		10 cm	A			
					,	
SAMPLE DATA	Sample ID:	DW21-	S3694			
Pre-homogeniza	tion analyses (ci			nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment colo	r Sed	liment odor		Comments:	
cobble	brown surface	non	e H ₂	s	. trace organic material	
gravel	drab olive	slig	ht pe	troleum	trace organic material removed goose peop from Surface	
sand (FM) C)	brown	mod	derate oti	ner:		
(silt) trace	gray	stro	ing		n n	
clay	black					

	/
TVT:	1/2000
W/11	nd/ward
* * **	environmental LLC
0.00	

Project Name:	AOCA	Phase 2	Proj	ect no.:	
Date:	6/28/	2021	W	eather:	905, sunny
Sampling Method:	hand-c	ollectea		Crew:	905, sunny SE, TD, AV, B&
	Location (D:	55695			
GRAB DATA	On armored slo	ppe (Y/N)? N			of overlying sediment, if known (cm): 12/A
Latitude/Northin	g(Y): +89	998 1	10005	Longitu	ude/Easting(X): +2 77 428 (SP) \27743(
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments
10:15	N/A	10	Y		0
1					
SAMPLE DATA	Sample ID:	DW21	-55699	5	
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment color	olor Sediment odor			Comments:
cobble	brown surface	none H ₂		S	minor roots and
gravel	drab olive	sligh	slight pe		minor roots and plant matter
sand (F)M C)	brown	mod	moderate oth		
silt	gray	stroi	ng		
clay	black				

	/
TVT'	1/xxxxd
W/11	o/wara
4 4 11	environmental LLC

Project Name:	AOCA F	hase 1		ect no.:	
Date:	6.28 20	21	w	leather: 🧾	Sp.TD, AV, BQ
Sampling Method:	hand · Co	lected		Crew:	SP. TD. AV. BQ
	Location ID:	IT695			
GRAB DATA	On armored slo	ope (Y/N)?		Depth o	of overlying sediment, if known (cm): NA
Latitude/Northing(Y): 18999 190005					ide/Easting(X): 12774 3 8
Grab time	Bottom depth (m or ft)	Penetration depth (cm)			Comments
1030	NA	45 cm	Y		com - root fibers, brown, 51/11/32nd
				16-4	45cm - gray med/fine sand, trace silt, trace wood fibers.
					trace silt, trace wood fibers.
				Loca	han shifled slightly to E out of
				Co	han shifted slightly to E out of attails to allow collection of sample.
SAMPLE DATA	Sample ID:	DW21-	IT695		
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:
Sediment type	Sediment colo	r Se	diment odor		Comments:
cobble	brown surface	no	ne H	s.	trace plant material
gravel	drab olive	sli	ght pe	etroleum	
sand(F(M)C)	brown	mo	oderate ot	her:	
silt	gray	str	ong		
clay	black				

	/
TVI	James
WIII	Ward LLC
	environmentai

Project Name:	ACC 4	phase 2	F	Project no.:			
Date:	06.28.2	1		Weather:	905		
Sampling Method:	hand-c	oile ded		Crew:	SK, TD, AV, BR		
	Location ID:	5696					
GRAB DATA	On armored slo	ope (Y/N)?	Υ	Depth	Depth of overlying sediment, if known (cm):		
Latitude/Northin	9(Y): 1960	712_		Longi	tude/Easting(X): 1277483		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptabl grab (Y/N		Comments		
0955	N/A	10	K.				
					TA.		
SAMPLE DATA	Sample ID:	DW2	-65k	96			
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides	Ammonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	r Se	diment odor		Comments:		
cobble	brown surface	rown surface none H			Root fibers throughout.		
gravel	drab olive	slight		petroleum			
sand(F) M C) (brown	mo	derate	other:			
silt	gray	ray strong					
clay	black						

	1
TVT	Jarard
Win	Ward LLC
	environmental

Project Name:	AOCA F	hase i	1	P	Project no.: _			
Date:	6.28.2021 Weather: Suny, 903							
Sampling Method:	hand col	lected			Crew:	SIR, TD, AV, BQ		
	Location ID:	IT691	<u> </u>			20		
GRAB DATA	On armored slo	pe (Y/N)?	Y		Depth	Depth of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): 1900	12			Longit	ude/Easting(X): 1277482		
Grab time	Bottom depth (m or ft)	Penetra depth (Acceptabl grab (Y/N		Comments		
1000	NA	45	cm	Y	0-	15 cm - root fibers organic materia		
					×	15cm - root fibers organic material brown silt if trace fine som		
					15-	45cm - gray, trace gravel silty		
						45cm - gray, trace gravel, 5:114 fine send, angular collole armoring.		
						armonng.		
SAMPLE DATA	Sample ID:	-0W2	1 -	T696		ν		
Pre-homogeniza	tion analyses (ci	rcle): V	ос	Sulfides	Ammonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment colo	r	Sed	iment odor		Comments:		
cobble	brown surface		none		H₂S	roois 1 plant debris comple small gravel pieces		
gravel	drab olive		sligh	ıt	petroleum	comple small gravel		
sand(F) M C)	brown		mod	erate	other:			
silt	gray		stro	ng				
clay	black							

	/
TVT:	1/xxard
W 11	od/ward
	environmental LLC
_	

Project Name: Date: Sampling Method:	7/13/21			Veather: FOS, SUN Crew: KM, CN, RM, ES		
Sampling Medicu.	,				, , , , , , , , , , , , , , , , , , , ,	
GRAB DATA	Location ID: On armored slo			Depth of overlying sediment, if known (cm): na		
Latitude/Northin					ide/Easting(X): 127 8374, 07	
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments	
1350	57.54 11		У		21ft (RTK tide station)	
					765	
SAMPLE DATA	Sample ID: (DWZ1-59	5700			
Pre-homogeniza	ition analyses (ci	rcle): VOC	Sulfides Ar	nmonia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color brown surface Sediment odor			.S	Comments: Organic Material (bark)	
gravel) trace	drab olive slight			etroleum		
sand (FMC)			derate ot	her:		
silt	gray	stro	ong			
clay	black					

	/
TVT'	1/22000
\\\/11	d/ward
AATT	environmental LLC

Project Name:	LIJW AOCA PhaseII Project no.:								
Date:	7:16:2021 Weather: overcest, 500								
Sampling Method:		hand willed crew: SR, CD, RM, ES							
	This conc								
	Location ID:	35701							
GRAB DATA	On armored slo			Depth o	of overlying sediment, if known (cm): ปองวิวิธีเน				
	On annoted sid	pe (Int): 7	3	Bopino					
Latitude/Northin	g(Y):	90322	190321	Longitu	ide/Easting(X): 127846 X				
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments				
0855	-	10 cm	n y ti		= 7.96 ft (RTK hole Statum)				
				Sam	ple collected just above water line.				
SAMPLE DATA	Sample ID:	DW21-9	35701						
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:				
Sediment type	Sediment color	Sec	liment odor		Comments:				
cobble	brown surface (none) H			S	-brick fragment at ~5cm.				
CODDIC		Chown surface			- brick fragment at ~ 5cm.				
gravel	drab olive	slig	ht pe	troleum	J. 10.10.10				
sand(x) (M) C)	brown	brown moderate		ner:					
Sin troil	gray	strong							
clay	black								

Win	d ward
	Yenvironmental LLC

Project Name:	LI)W POCA ~ Prese! Project no.:						
Date:	7.16.202	1	v	leather:	overcast, 50s		
Sampling Method:	power cyra	do		Crew:	SP, CD, RM, ES		
	Location ID:	58703					
GRAB DATA	On armored sid	ppe (Y/N)? N		Depth o	of overlying sediment, if known (cm):		
Latitude/Northin	g(Y): 1901	74.86	•	Longitu	ide/Easting(X): 1278617.86		
Grab time	Bottom depth (m or ft)	Penetration depth (cm)	Acceptable grab (Y/N)		Comments		
0750		0	N	CONU	rcle; no penetrahan.		
0825	3.76 FH	0	N	rock	in jaw		
0827		0	N	Conur	ele apron; no penetration.		
0829		13 cm	N	same	ble hoshed at grand in jaws		
0831	8.61fr	15cm	Ä	tide= 7.47 ft (RTR tide station)			
					ne = -1.1 ff MLLW		
SAMPLE DATA Sample ID: LDW21-SS703 About 10.7ft from target							
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides An	nmonia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color	Sed	iment odor		Comments:		
cobble (brown surface	none	e) H₂	s	Worm holes observed		
graves mall	drab olive	sligh	nt pe	troleum	worm holes observed trace vegetation debris Small angular gravel		
sand (FM) C)	brown	mod	erate ot	her:	Small angular graves		
(silt)	gray	stroi	ng				
clay	black						

Wind	ward LLC
Desir of Norma	LOW A

Project Name:	LDW ADCY Phase II Project no.:								
Date:	7/13/21	7/13/21 We					70s, sun		
Sampling Method:							KM, CD, RM, ES		
	Location ID: 55 704								
GRAB DATA	On armored slo	On armored slope (Y/N)?				Depth of overlying sediment, if known (cm): pa			
Latitude/Northin	g(Y): 19028	4.71				Longitu	ude/Easting(X): /278451.61		
Grab time	Bottom depth (m or ft)			Acceptab grab (Y/N		Comments			
1445			-	N		no recovery (rocky)			
1447				N				,	
1455	oft	17		Y		no recovery (olle -0.39 ft (RTK tide station), pour			
SAMPLE DATA	Sample ID: (DWZI	-5.	5704					
Pre-homogeniza	tion analyses (ci	rcle): V	ЭС	Sulfides	Am	monia	AVS/SEM TPH-P Other:		
Sediment type	Sediment color		Sedi	ment odor			Comments:		
cobble	brown surface		none	>	H ₂ S	;			
gravel	drab olive		slight	ght pe		roleum			
(sand (EM) C)	brown	rown mo		moderate oth		er:			
silt	gray		stron	strong					
clay	black								
	il.								

	/
TVT	1/xxxxd
VA/11	nd/ward
A A II	environmental LLC

-	LUW TICE					_			
						crew: KM, CD, RM, ES			
Sampling Method:									
	Location ID:	55706	5						
GRAB DATA	On armored slope (Y/N)?				Depth o	Depth of overlying sediment, if known (cm): $\dot{\eta}$			
Latitude/Northin	g(Y): 19022	14.61			Longitu	ude/Easting(X): /278479.53			
Grab time	Bottom depth Penet (m or ft) depth				Comments				
1415	3.3-4 21		Y		-0.93ff (RTK tide station)				
			+						
					6				
SAMPLE DATA	Sample ID: L	DWZ1-	-557	05	**				
Pre-homogeniza	tion analyses (ci	rcle): VC	oc s	Sulfides A	mmonia	AVS/SEM TPH-P Other:			
Sediment type	Sediment color Sedimen		ent odor		Comments:				
cobble (brown surface		none H		I ₂ S	Vegetation			
gravel	drab olive	o olive s		F	etroleum				
sand (F)(M)C)	brown		moderate ot		ther:				
silt	gray		strong			K3			
clay	black								
						L			

Win	ward LLC
*****	environmental LLC

Project Name:	LDW AOC	4 Yhde	ll Proje				
Date:	7.16:2021		w	eather:	overcast, 505		
Sampling Method:	: POWEY Grab Crew: SP, CD, PM, ES'						
GRAP DATA	Location ID: \$\$706						
GRAB DATA	On armored slo	ope (Y/N)?		Depth of overlying sediment, if known (cm):			
Latitude/Northing	9(Y): 19020	X6.32		Longitu	de/Easting(X): 1278515,69		
Grab time	Bottom depth Penetration (m or ft) depth (cm)		Acceptable grab (Y/N)		Comments		
0800	-	723 cm	N	over-penetration			
0805	3.40ft	.40ft 21 cm		tide -	nde = 6.84 ft		
				Mudli	ne= +34 ft mliw		
				About 2.4 ft from target			
					0		
SAMPLE DATA	Sample ID:	DW21-	\$\$106 z	nd L	DW21-SS706-FD		
Pre-homogeniza	tion analyses (ci	rcle): VOC	Sulfides Am	monia	AVS/SEM TPH-P Other:		
Sediment type	ediment type Sediment color Sediment odor				Comments:		
cobble	brown surface none H ₂			S			
gravel	drab olive	o olive slight p		troleum			
sand F M C)	brown moderate		erate oth	ier:			
silt	gray trace	gray trace strong					
clay	black						

	/
TVT'	1/rrand
W111	d/ward
	environmental LLC

Project Name:	[] W A CC4 - Phase Project no.:							
Date:							ourcost, 50s	
Sampling Method:	pover grado crea						SP, CD, PM, ES	
	Location ID: SS707							
GRAB DATA	On armored slope (Y/N)?					Depth of overlying sediment, if known (cm):		
Latitude/Northing(Y): 189998, 9						Longitu	ude/Easting(X): 1278 762.16	
Grab time	Bottom depth (m or ft)	tion Acceptable cm) grab (Y/N)			Comments			
0735	6.5 FF	94	9cm N					
0738	6.71 ft	14cm		Y		tide = 6.23 ft (PTK ide states)		
					Mudline = -0.5 ft mill About 1.2 ft from legget			
						About 1.2 ft from taget		
SAMPLE DATA	Sample ID:	.DW21	-5	3707				
Pre-homogeniza	tion analyses (ci	rcle): V	ос	Sulfides	Amı	monia	AVS/SEM TPH-P Other:	
Sediment type	Sediment color Sedime		ment odor			Comments:		
cobble	brown surface	rown surface		none				
gravel	drab olive	si		ght		oleum		
(sand (FM) c)	brown		mod	moderate		er:		
(silt) trace	gray		strong					
clay	black							