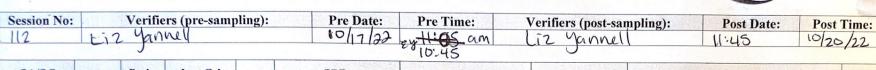
FIELD EQUIPMENT VERIFICATION (PRE/POST A WEEKLY SAMPLING):





							10:45				
QA/QC Check	Inst #	Probe #	Last Cal Date			RE: ion Value		OST: tion Value	Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	NIST Exp. Date	Std Val	<u>NIST</u> 31い℃	<u>NIST</u> 31.3 _{°C}	NIST 33.3 °C	NIST _ °C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	4	3 0	8/17/23		31.5		33.1				
	4	4 24	8/17/23			31.3					
Salinity			3 months	Std Val	Tap water	Salin Std 5/24/28 ate 34.0 ppt	Tap water	5/24/22 date 34.0 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	3	3	9/5/22		0.22	34.2	0.22	34.2			
	3	4	9/5/22		0.22	34.0	-	-			
Dissolved Oxygen			1 year	Std Val	10	0%	10	00%	± 5 %		
	3	1	2/7/22		103.7		99.	7 %			
рН			3 weeks	Std Val	pH 7.00	pH 10.00	pH 7.00	pH 10.00	± 0.1 pH of pH std value	Compare to Manufacturer pH Std value on bottle	
	3	7	10/17/22		7.01	9.96	7.02	9.96	Į.	7,00 ± 0.02 @ 25°C	
	3	6	10/17/22		7.01	9.94	_		A 19 (5)	10-4-10-10-10-10-10-10-10-10-10-10-10-10-10-	
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10 5-70NTU	<u>BLANK</u> <0.1	LOW 1-10 5.70 XTU	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	1	n/a	10/17/22		0.06	5.70	0.07	5.73		LOW 5.70 NTU	
	_	n/a	-		-	-		_			

QA:

Lab: OLP

^{*} Are pre- and post within one week?

^{*} Delay times are ok?

^{*} Other equipment issues?

Hinge k. War Classification Confection Dawsleed

Team	R2RS	Samplers	S. Biesery	Meters and Prol	bes ID		
Session	112	(Last Name, 1st Initial)	M. Floyd	HQ2200: 3		2100Q:	1
Date	10/18/2022			pH: 7	DO: 1		Salinity: 3

				Salinity	Dissolved	d Oxygen			T-1:4:4		Peop	le (within 1	00 ft)
Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	PH 8-8.3 normal		Turbidity (NTU)		water	beach	camp
Napili Bay RNS221018	N	8:17	26.6	36-0	6.49	98.8	8.12	0.80	0,93	0.91	0	2	0
Pohaku RPO221018	N	8:41	26.7	35.2	6.31	95.8	8.13	6.07	6,83	6.56	3	2	0
Kaanapali Shores RKS221018	N	9`.00	26.6	36.3	6.37	A Maria Brasil		1.29	1.25	1.41	3	3	0
Kahekili Beach Two RKT221018	N	9:25	27.3	36.2	6.31	97.3	8.15	1.05	1.15	1.13	5	7	Ø
Canoe Beach RCB221018	N	9:46	27.4	36.1	6.38	98.5	8.16	1.36	1.38	1.45	0	2	0
Wahikuli RWA221018	N	10 -03	27.4	35.8	6.78	104.6	8.21	2.14	2.18	2.10	0	2	0

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).	TURBIDITY VER	RIFICATION		
Use the back of the form if needed. PNS-1-2' 5 wells		Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.8
2PD - minimar swells	Standard	0.06	5.70	85.76
RKS- 1' Swells	Pre-sampling	0.06	5.52	56.0
OUT almost no swell	Post-sampling	0.05	5.65	56.9
RCB - Alnost NO Swell	CHAIN OF CUST	ODY INFORMAT	ION	
RCB - AINDEL NO SWELL	*	# of samples	Relinqu	ished to
RWA-1-2' SWELLS	Sediment	-		
	Nutrients	6	OLP	
overall calmer swells at all beaches.	Bacteria	-		

Sites with potential for freshwater flow: Kaanapali Shores, Canoe Beach

Signature (Team Lead):

Printed Name:

Li2 Yannel

High (+/- 18)

608

Contact

Liz Yannell

Team	R2RS	Samplers	S. Bieser	
Session	112	(Last Name, 1st Initial)	M. Floyd	
Date	10/18/22		J	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
RNS221018-N-1	Napili Bay			8:17	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RPO221018-N-1			Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters				
RKS221018-N-1	Kaanapali Sh			9:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKT221018-N-1	Kahekili Beach Two			9:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RCB221018-N-1 Canoe Beach 9:4		9:46	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters			
RWA221018-N-1	Wahikuli			10:03	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	

Signature (Team Lead):	Printed Name: Liz Yannel
O(1)	U U

Polanui GUND, K HARRIS, K GONZALEZ, T Team Meters and Probes ID Samplers (Last Name, Session 112 2100Q: 1 HQ2200: 3 1st Initial) 10/19/2022 Date DO: 1 Salinity: 3 pH: 7

	F 1			Salinity	Dissolved	l Oxygen					People	e (within	00 ft)
Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)		water	beach	camp
505 Front St PFF221019	×	8:10	26.4	34.4	6,23	94.2	8.08	2.11	2.20	2.42	ð	7	0
Lindsey Hale PLH221019	N	8:38	24.3	35,8	6.15	93.3	8,07	11.2	10.7	10.8	0	2	0
Lahaina Town PLT221019	N	8:56	26.8	36.0	6.12	93.7	8.07	7.93	7.82	7.94	0	2	٥
Camp Olowalu OCO221019	N	2:28	27.8	34.3	5.98	93.2	8,07	3.86	3.79	3.70)	7	but defi
Papalaua Pali OPP221019	N	9:47	27.5	36,2	6.44	99,9	5.82>	5.82	6.17	6.52	0	0	6

NOTES AND COMMENTS (trends, equipment problems, errors, concerns). Use the back of the form if needed.

PFF We took a 4th turbidity which was 2.14 so I didn't cross out. What do you think. Photo taken PLH Convet dug out. Photo taken.

Or New paddle doubble hall boating cause minimal parking

Ps. No film pH probe

Sites with potential for freshwater flow: 505 Front St.

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	0.05	5.70	57.6	614
Pre-sampling	0.05	5.65	57,3	611
Post-sampling	0.05	5.62	57.0	609

	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	OLP	ymayo
Bacteria	-		0. 0-

Signature (Team Lead):

Printed Name:

Ylenia St-Louis

Hint Con War Charles and a Collection Daniel for

Team	Polanui	Samplers	Gund. K
Session	112	(Last Name, 1st Initial)	Harris. K
Date	10/19/2022		Gonzalez. T

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
PFF221019-N-1	505 Front St	P		8:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Fresh water flowing
PLH221019-N-1	Lindsey Hale	ď	0	8:38	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
PLT221019-N-1	Lahaina Town	ď		8:56	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OCO221019-N-1	Camp Olowalu	Ø		9:28	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OPP221019-N-1	Papalaua Pali	ď		9:47	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	
	1		500 ml	
			500 ml	
			500 ml	

Signature (Team Lead):	Printed Name:
ymage.	Ylenson M St-Louis
// //	

Yannell, L. Berg, USD Hutchings, Lyn Meters and Probes ID R2RN Team Samplers (Last Name, 2100Q: 1 Heremann, CiCi HQ2200: 3 Session 112 1st Initial) Salinity: 3 DO: 1 pH: 7 Date 10/20/22

		and the second		Calinity	Dissolved	Oxygen	3 - 4		People (within 100 ft)		00 ft)
Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable	Salinity (ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal	Turbidity (NTU)	water	beach	camp
Honolua Bay RHL221020	N	7:50A	253	34.7	6.53	97	8,10	32.1	0	0	0
Oneloa Bay RON221020	N	8:35A	26.7	36.3	6.56	106.6	8.16	0.830.85 0.72	43 G	2	0
Kapalua Bay RFS221020		9:000	26.8	35.8	6.55	100.2	8.13	5.53 5.41 5.72	10	28	0
Ka'opala Bay RKO221020	N	9:204	26.7	35.4	6.49	98,8	8.10	17:6 26.2 18.5	0	0	0
Kahana Village RKV221020	N	9:45	27.2	36.2	6.61	102.0	8.18	10.5 10.6 11.7	1	3	0

NOTES AND COMMENTS (trends, equipment problems, errors, concerns). Use the back of the form if needed.

PHL- shove break made it dangerses to go in to normal depth. Sample came Exom shore without much depth 4th Turb. 54.8

RON-4th Turbidity 0.82

RKO-4th Turbidity 19.2

SWOLL GUMENT IN EACH LOCATION

Sites with potential for freshwater flow: Honolua Bay, Kahana Village

TURBIDITY VER	RIFICATION			
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	0.05	5.72	5,760	614
Pre-sampling	0.05	5.64	36.7	609
Post-sampling	0.07	5.73	57.0	613

	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	OLP	liz Vannel
Bacteria			0_

Signature (Team Lead):

Liz Yannell

Liz Yannell

Team R2RN	Samplers	Berg, L.	Yannell, L.
Session 112	(Last Name, 1st Initial)	Hutchings, L.	
Date 10/20/22		Heheman, C. Erwin, J	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Vutrients							
RHL221020-N-1	Honolua Bay			7:50 am	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RON221020-N-1	Oneloa Bay			8:35 am	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RFS221020-N-1	Kapalua Bay			9:00 an	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKO221020-N-1	Kaʻopala Bay			9:20 am	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKV221020-N-1	Kahana Village			9:45 an	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments				7			
					500 ml		
					500 ml		
		0 7			500 ml		
		- Charles		The same	500 ml		

Signature (Team Lead):	Printed Name:	
Les Youll	Liz Yannell	