

Post Time:

FIELD EQUIPMENT VERIFICATION (PRL/POST A WEEKLA SAMPLING):

Session No:	Life	Verifie annel	rs (pre-samp + J. E	oling): Erw	P 1/1	re Date:	Pre Tim	e: \	Verifiers (post-sai , Yannell	npling):	Post Date:	Post 11:45	Time:
QA/QC Check	Inst #	Probe #	Last Cal Date		PR Verificat	RE: ion Value		ST: tion Value	Acceptable Range		Comments/ Notes		QA?
Temperature	NIST	n/a	NIST Exp. Date	Std Val	<u>NIST</u> 27.7 ℃	NIST 27.7 _{°C}	NIST 31.2℃	NIST °C	± 0.6 °C of NIST	Compare	to NIST Std value in tap	water	
	4	43	8/17/23		27.6	27.5	31.2			NIST	Exp 8/17/23		
Salinity			3 months	Std Val	1 ap water	9)29/22/ate 33.7 ppt	Tap water	9 129 Fale 33. 7 ppt	± 1 ppt	Salinity S Salinity S	 compare pre & post va td - compare to value on dinity Std bottle 		
	43	43	11/28/22	MA.	0.18	33.5 34.0	0.28	33.5		CONFIRM	ed salinty o	of po	st ta
Dissolved Oxygen			Lyear	Std Val	10	00%	10	00%	± 5 %				
	4 3	4	8/15/22	2	101.		101	-37.		sensor days	expires in	22	
рН			3 weeks	Std Val	pH 7.00	pH 10.00	pH 7.00	pH 10.00	± 0.1 pH of pH std value		o Manufacturer pH Std v bottle		
	4	67	1/16/23	-		9.95	7.02	9.98		PHIOC	o > Exp Ma	023	
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10		are to Gel LOW 1-10 d Calibration value		
	4	n/a	1/4/22	2	0.07	6.44	Ö. 67	6.43			6.43 NTU 5.65 NTU		

QA: * Are pre- and post within one week?

* Delay times are ok?

* Other equipment issues?

OLP-Lab

Team R2RS Meters and Probes ID Samplers Emn,). Bieser, S. (Last Name, Session 116 2100Q: 4 HO2200: 4 1st Initial) Beser, M. Date 1/17/2023 DO: 4 Salinity: 4 pH: 6

Laure N	Freshwater	Time		Salinity	Dissolved	Oxygen	The state of the s		T 1:11		Peop	le (within 1	00 ft)
Location Name Sample ID	Flowing (Y/N)	(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 RNS230117	N	8:10	24.5	35.4	6.92	8.001	8.18	1.07	0,96	0.94	Ø	4	Ø
Pohaku RPO230117	N	8:45	24.8	33.9	6.87	99.7	8.18	4.38	4.19	4.47	3	2	0
Kaanapali Shores RKS230117	N	9:10	25.1	35.8	6.7kg	99.7	8.17	229	2.37	2.21	92	8	0
Kahekili Beach Two RKT230117	N	9:45	25.3	35.7	6.77	1.00.	8.19	4.88	5.09	4.92	5	4	Ø
Canoe Beach RCB230117	N	10:10	25.6	35.3	6-65	98.8	8.18	3-39	3895	3.50	0	8	à
Wahikuli RWA230117	N	10:30	25.6	34.3	6.87	101.4	8.22	1.73	1.93	1.78	Ø	Ø	0

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

2 ft Swell, Smell of Sewage Possibly?-RNS napli

RPO-1FF Snell

RKS-NO Preshwater Claw, 1CL SWell, Tookyth hugh-Sample testing in sun, lon

RXT - 2-3FL Share break

RCB- calm conditions, 4th reading on hurbidity

RWA-151 Share break, murky close to shore due to resuspension a sed, ment/sand

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

TURBIDITY VER	TURBIDITY VERIFICATION									
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)						
Standard	0.07	6.43	64.9	597						
Pre-sampling	0.08	6.35	64.7	600						
Post-sampling	0.06	6.43	65.0	598						

	# of samples	Relinquished to	Contact
Sediment	<u>-</u>		-
Nutrients	5	OLP	DESS Erwin
Bacteria	_	_	-

Signature (Team Lead): Printed Name:

VESSICA ETWIN

This O Kayaij Ola - Sample Collection Datasheet

Team	R2RS	Samplers	Erwin, J.
Session	116	(Last Name, 1st Initial)	Bieser, S.
Date	1/17/23		Bieser, M.

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients			100				
RNS230117-N-1	Napili Bay	ø/		8:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RPO230117-N-1	Pohaku	Ø		8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKS230117-N-1	Kaanapali Sh	전		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKT230117-N-1	Kahekili Beach Two	d		9:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RCB230117-N-1	Canoe Beach	Ø		10:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RWA230117-N-1	Wahikuli	d		10:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
	76.4	Section Assessment			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
Sediments		61					
					500 ml		

Sediments		E S			
				500 ml	
	Emiliary of Estimate			500 ml	
		* O		500 ml	-1 ODV INVESTIGATION
				500 ml	A of manyon

Signature (Team Lead):	Printed Name:	
(Jessia)	VESSICA ErWIN	

Thir O Ka Wai Ola - Saurne Collegiam Davisho

Team Polanui	Samplers GUAL,		Meters and	Meters and Probes ID			
Session 116	(Last Name, 1st Initial)	GONZALEZ, T	HQ2200: 4		2100Q: 4		
Date 1/18/2023		HARRIS, K	pH: 6	DO: 4	Salinity:		

	F 1			Salinity	Dissolved	Oxygen					People	e (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	Street Control	Turbidity (NTU)		water	beach	camp
505 Front St PFF230118	У	8;12	24.8	35.5	6.13	89.9	8.07	0.67	1.55 6 42 KLH	.80	٥	D	0
Lindsey Hale PLH230118	N	8:36	24.5	35.4	5.75	83.8	8,08	4.70	4.80		D	2	0
Lahaina Town PLT230118	N	8:55	24.5	35.5	5.87	85.7	8.09	2.42	2.58	2.37	0	J	0
Camp Olowalu OCO230118	N	9:25	25.9	3 5 .7	6.35	94.9	8.07	1.29	1.60	1.23	۵	4	100
Papalaua Pali OPP230118	N	9:45	25.8	35.9	6.96	104.3	8.13	8.74	8,88	8.83	۵	0	٥

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

PFF extra turbidity due to outliver of 1.55

DCD did extra turbidity but disht cross out
because it was 1.62

Overall, very peaceful ealm water except medium/small waves at OPP

TURBIDITY VERIFICATION									
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)					
Standard	0.06	6.43	6.49	597					
Pre-sampling	0,07	6.42	64.5 6. 1.5 KL	600					
Post-sampling	0.08	6.41	64.7	598					

CHAIN OF CUSTODY INFORMATION								
	# of samples	Relinquished to	Contact					
Sediment	-	-	-					
Nutrients	5	NMS	Sharpe					
Bacteria	-	-						

Signature (Team Lead): Printed Name:

Sharpe

Sites with potential for freshwater flow: 505 Front St.

Team	Polanui	Samplers	GUND, K	
Session	116	(Last Name, 1st Initial)	GONDZALEZ,T	
Date	1/18/2023		HARRIS, K	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
PFF230118-N-1	505 Front St	ď		8:12	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
PLH230118-N-1	Lindsey Hale	D'		8:36	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
PLT230118-N-1	Lahaina Town	P		8:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OCO230118-N-1	Camp Olowalu	/D		9:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OPP230118-N-1	Papalaua Pali	Ø		9:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	
		Euro-	500 ml	
			500 ml	47
			500 ml	

Signature (Team Lead):	Printed Name:	
Signature (Team Lead):	Sharpe	

Team	R2RN	Samplers	Berg, L. Hove, C.	Heheman C	Meters and I	Probes ID		
Session	116	(Last Name, 1st Initial)		marchine, C	HQ2200: 4		2100Q:	4
Date	01/19/23				pH: 6	DO: 4		Salinity: 4

			3-170-25	Calluitu	Dissolved	Oxygen					People	e (within	100 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)	. 1	water	beach	camp
Honolua Bay RHL230119	N	7:57	23.1	35.3	6.72	95,9	8.17	13.4	13.1	13.2	Ø	Ø	0
Oneloa Bay RON230119	N	8:49	25.0	36.0	6.93	102.6	8.21	اماد	.69	.72	2	9	0
Kapalua Bay RFS230119	N	9:25	24.9	35.3	6.82	103.0	8.17	1.57	1.68	1.43	6	25	Ø
Ka'opala Bay RKO230119	N	9:43	25.0	35.3	6.68	98.4	8.12	9.53	7.74	8.11	0	3	0
Kahana Village RKV230119	N	10.15	24.9	35.7	6.87	101.2	8.15	3,01	3.20	3.69	- 1	4	0

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

RKO- 4th Turbidity 9.95
RKV- Work still on going on Nearby Bridge

TURBIDITY VER	RIFICATION			
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	80.0	6.43	64.9	597
Pre-sampling	0.08	642	64.1	600
Post-sampling	0.07	6.43	64.7	600

CHAIN OF CUS	STODY INFORMATION	JN	
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	DLP	Liz Janu
Bacteria	-		-

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

Signature (Team Lead):

Liz Yannel

Team R2RN	Samplers	Rava I
Session 116	(Last Name, 1st Initial)	Berg, L.
Date 01/19/23		Heherdran, L.

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
RHL230119-N-1	Honolua Bay	Ø		7:57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RON230119-N-1	Oneloa Bay	g		8:49	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RFS230119-N-1	Kapalua Bay	A		9:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKO230119-N-1	Kaʻopala Bay	D /		9:43	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKV230119-N-1	Kahana Village	A		10:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

Signature (Team Lead):	Printed Name:
Las Yamill	Liz yannell