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



Session No: Verifiers (pre-sampling): Pre Date: Pre Time: Verifiers (post-sampling): Post Date: Post Time: 2/22/21 10:20 (25) WW 2/25/21

QA/QC Check	Inst #	Probe	Last Cal Date			RE: ion Value		ST: ion Value	Acceptable Range	Comments/ Notes	QA?
Temperature	NIST SM	n/a	n/a	Std Val	<u>nist</u> 24.8 _{°C}	<u>nist</u> 24.9 _℃	<u>nist</u> 24.6℃	NIST — °C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	Sm1	3	n/a		24.6		24.3				
	Sm1	2	n/a			24.8					
Salinity			3 months	Std Val	Tap water	Salin Std % - 24 date 35.0 ppt	Tap water	Salin Std B-24 date 35 0 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	1	3	11/30/20		0.3	35.2	0.31	35.0			
	1	2	11/30/20		0-3	35.3					•
Dissolved Oxygen			1 year	Std Val	100% 100%		± 5 %				
	1	1	9/28/20		98	.2	98.9				
	1	2	9/8/20		100	.5					
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	
	1	5	2/22/21		7.01	9.98	7.01	9.99			
	1	6	2/22/21		7.02	9.99	_				
Turbidity			3 months	Std Val	<u>BLANK</u> -<0.1	LOW 1-10 NTU	<u>BLANK</u> <0.1	LOW 1-10 NTU	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	1	n/a	11/30/20		0.08	5.67	0.09	5.66		Low: 5.68 High: 608 Med: 57.9	
	NBBF	n/a	11/30/20		0.08	5.77				Law: 5.79 High: 593 Med: 58.6	

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

* Delay times are ok?

* Other equipment issues?

Lab: KAL

Team	R2RS	Samplers	Garragher, C.	Meters and Probes ID	Meters and Probes ID				
Session	84	(Last Name, 1st Initial)		HQ40d: \	2100Q:				
Date	02/23/2021		Gallagher, C. Kranberg, J.	pH: 5 DO:	1 Salinity: 3				

				Salinity	Dissolved	Oxygen	-		T		Peop	le (within 10	00 ft)
Location Name Sample ID	Streams 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 RNS210223	N	8:20	24.2	34.1	6.60	95.4	8.07	1.42	1.34	1.43	Ø	5	ø
≉Pohaku RPO210223	N	8:44	24.2	33.7	6.42	92.6	8.11	2.85	2.61	2.50	Ø	Ø	Ø
Kaanapali Shores RKS210223	N	9:05	23.5	34.5	6.72	96.3	8.10	1.48	1.83	1.49	1	3	Ø
Kahekili Beach Two RKT210223	N	9:21	24.2	34.9	6.71	97.5	8.17	0.98	1.02	1.00	Ø	7	Ø
Canoe Beach RCB210223	N	9:43	25.0	32.8	6.90	100.4	8.18	1.13	1.04 ME	1.17	0	10	Ø
Wahikuli RWA210223	N	10:01	25.	33.6	6.68	97.9	8.16	1.51	1.51 GS L37	1.41	Ø	1	Ø

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

Pre-sampling: turbidity not < 0.11 (0.14, 0.15) DI water replaced & still reading high.

RNS- Waves breaking @ shore, 1-2ft.

RPO - 2.81 = 4th turb reading

RKS- Water is a bit choppy, windy, 4th turb = 1.89NTU

RKT-two people fishing, little wave action

RCB- sunny, waves are 41'

RWA- small waves, sunny

TURBIDITY VERIFICATION										
	Blank (must be <0.10)	Low	Med	High						
Standard	0.08	5.68	57.9	608						
Pre-sampling	0.(1	5.89	57.6	609						
Post-sampling	0.09	5.96	57.7	607						

CHAIN OF CUSTODY INFORMATION										
	# of samples	Relinquished to	Contact							
Sediment	-	-	- **							
Nutrients	6	KAL	G. Silver							
Bacteria	-	-	-							

Signature (Team Lead):	Printed Name:	
CaceSin	Grace Silver	

Team	R2RS	Samplers	G.Silver	J. Kranberg
Session	84	(Last Name, 1st Initial)	M. Beeson	,
Date	02/23/2021		G. Gallagher	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments	
RNS210223-N-1	Napili Bay	D		Q:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	<u> Alberta Sor</u> (provinces fail About the Configuration Assessed	
RPO210223-N-1	Pohaku	M		8:44	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		
RKS210223-N-1	Kaanapali Sh	Ø		9:05	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		
RKT210223-N-1	Kahekili Beach Two			9:21	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		
RCB210223-N-1	Canoe Beach	Ø		9:43	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		
RWA210223-N-1	Wahikuli	M		10:01	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		

	500 mt	
	500 ml	
	500 ml	
	500 ml	

Signature (Team Lead):	Printed Name:	
acusin	Giace Silver	

Team	Polanui	Samplers	GUND, K HARRES, K	Meters and Probes ID		
Session	84	(Last Name, 1st Initial)	BEESON, M	HQ40d: \	2100Q: 1	
Date	02/24/2021			pH: 5 DO:	Salinity: 3	

	Stucemen	Tr:		Salinity	Dissolved	Oxygen	ьU	Turbidity			People (within 100 ft)		
Location Name Sample ID	Streams Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		(NTU)		water	beach	camp
505 Front St PFF210224	Y	8:13am	24.4	33.9	6.06	87.9	8.09	6.23	6.04	6.16	1	2	Ø
Lindsey Hale PLH210224	N	8:37am	24.4	33.4	5.86	84.8	8.08	5.13	5,40	5.19	Ø	2.	Ø
Lahaina Town PLT210224	NA	8:57m	24.6	33.4	5.84	85.0	8.07	7:79	7.40	7.95	6	+3	\varnothing
Camp Oluwalu OCO210224	NA	9:26 AM	24.1	34.7	6.49	94.1	01.8	1.66	2.06		Ø	Ø	Ø
Papalaua Pali OPP210224	N	9:45 AM	24.8	34.8	6.84	100.4	8.16	6.05	6.18	6.27	Ø	Ø	\varnothing

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

LINDSEY HAVE IST STOP - "STREAM" CARNED ELET BY SURF - IT'S NORMALLY BURIED BY SAND, NO FLOW TODAY!

LAHAMA TOWN HAD A KAYAK & SUP CLASS IN PROGRESS - 6 PEOPLE 3 KAYAKS I SUP + 45# TURBITY 7.22

TURBIDITY VERIFICATION									
	Blank (must be <0.10)	Low	Med	High					
Standard	0.09	5.68	57.9	608					
Pre-sampling	0,10	5.67	57.7	610					
Post-sampling	0.09	5.43	58,0	609					

CHAIN OF CUSTODY INFORMATION							
	# of samples	Relinquished to	Contact				
Sediment	_		_				
Nutrients	5	KAL	M.Beeson				
Bacteria		_					

Signature (Team Lead):

Printed Name:

mBeeson

Meredith Belson

would not get Blank < 0.10 NTU

Hui O Ka Wai Ola - Sample Collection Datasticct

Tesas Polanui	Samplera	K. Gund	K. Harris	78 1
Session 84	(Last Name, 1st Initial)	M. Beeson		
Date 5 02/24/2021		,		

PFF210224-N-1	505 Front St	Ø	8:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters
PLH210224-N-1	Lindsey Hale	Ø	8:37	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters
PLT210224-N-1	Lahaina Town	Ø	8.57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters
OCO210224-N-1	Camp Oluwalu	D	9:26	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters
OPP210224-N-1	Papalaua Pali	Ø	9:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters

	500 ml	
	500 ml	
	500 ml	
	500 ml	

Signature (Team Lead):	Printed Name:	
age ST	Grace Silver	

Lab: KAL

Team	R2RN	Samplers	L. Hutchings	C. Heheman	Mete	ers and Prob	es ID		
Session	X/I	(Last Name, 1st Initial)	L. Berg G. Silver		HQ40d:			2100Q: \	
Date	02/25/2021				pH:	5	DO:	1	Salinity: 3

	C4			Salinity	Dissolved	Oxygen	"II		Tumbidita		Peopl	e (within 10	00 ft)
Location Name Sample ID	Streams 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	
Honolua Bay RHL210225	N	8:00 ×	23.3	34.6	6.38	91.2	8.13	2.4165	2.02	2.00	Ø	Ø	Ø
Oneloa Bay RON210225	N	8:35A	24.1	34.9	6.80	98.9	8.16	1.22	1.22 24.E.H.	1.32	4 4	Ø	4
Kapalua Bay RFS210225	N	8.55A	13.9	34.3	6.64	95.9	8.11	1.87	1.80	1.84	5	9	Ø
Ka'opala Bay RKO210225	N	9:20	23.%	34.2	6.60	95.0	8.10	6.41	6.30	6.36	0	0	0
Kahana Village RKV210225	N	9:35	24.0	33.9	6.94	99.9	8.16	6.69	8.47	7.07	2	3	Ø

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

RON-Waves 2-3'& surfers in water, windy

RFS - Few people snorkeling in water, sunny & calm

RXO - No People High tipe No visible stream water, Except

Sand bags + to the south that look New

RKV- Organic matter in turb. bottle, turb 4th= 8.59

TURBIDITY VERIFICATION									
¥1	Blank (must be <0.10)	Low	Med	High					
Standard	0.09	5.68	57.9	608					
Pre-sampling	0.08	5.68	57.7	609					
Post-sampling	0.09	5.66	57.7	607					

CHAIN OF CUSTODY INFORMATION							
	# of samples	Relinquished to	Contact				
Sediment	-		-				
Nutrients	5	KAL	G. Silver				
Bacteria	-	-	-				

Signature (Team Lead):	Printed Name:
aavon	Grace Silver

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	RZRS-RZRN	Samplers	L. Hutchings	C. Heheman
Session	84	(Last Name, 1st Initial)	L. Berg	S. Hepemory
Date	02/25/2021		G. Silver	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
RHL210225-N-1	Honolua Bay	d'		b:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RON210225-N-1	Oneloa Bay	Ø		9:35	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RFS210225-N-1	Kapalua Bay			8:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKO210225-N-1	Ka'opala Bay	B		9:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKV210225-N-1	Kahana Village	Ø		9:35	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	

Signature (Team Lead):	Printed Name:			
Gra aSm	Grace Silver			

Lab: KAL