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



Session No:	-	Verifie とろい <sub>,</sub>	rs (pre-sam N - SaMpso		annell 5	re Date:	Pre Tin		Verifiers (post-sam		Post Date: 5/2 4 / 2 2	Post 7	
QA/QC Check	Inst#	Probe #	Last Cal Date			RE: ion Value	A STATE OF THE PARTY OF THE PAR	OST: tion Value	Acceptable Range	(	Comments/ Notes		QA?
Temperature	NIST	n/a	NIST Exp. Date	Std Val	NIST 26.8-	NIST 26.5	NIST	NIST	± 0.6 °C of NIST	Compare to	NIST Std value in tap	water	

							STATE OF THE PARTY			
Temperature .	NIST	n/a	NIST Exp. Date	Std Val	<u>NIST</u> 25,8 <sub>C</sub>	<u>NIST</u> 25.5 ℃	<u>NIST</u> 25.7 ℃	NIST °C	± 0.6 °C of NIST	Compare to NIST Std value in tap water
2	4	4	8/17/23		25.5		25.6			
	4	3	8/17/23			25.2	1	-		
Salinity			3 months	Std Val	Tap water	Salin Std 1(7)\date 34.0 ppt	Tap water	Salin Std 11/2 date 35.0 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle
	1	4	5/27/22		0.43	34.9	0.43	35.1		
	1	3	5/23/22		0.43	34.8	_	_		
Dissolved Oxygen			1 year	Std Val	10	0%	10	0%	± 5 %	
	1	4	8/12/22		99.	4%	99.1	1.		
	1	Ì	2/7/22		99.		-		H	
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	6	5/23/22		7.02	10.00	7.07	10.07		can't get pH7 to read lower on 5/26
	1	7	5/23/22		7.02	10.01	_	-		Same W/PH 10
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10  NTU	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value
	NBBF	n/a	5/23/22		0.05	5.99	0.08	5.97380		\$5.92 NTU
	1	n/a	5/23/22		0.08	5.52	-6		in the second	\$ 5.55 NTU

\* Are pre- and post within one week?
\* Delay times are ok?
\* Other equipment issues? QA:

LAB: KAL

	R2RS	Samplers (Last Name	TY FREIBERG	Meters and Probe	Meters and Probes ID			
	05	(Last Name, 1st Initial)	MARK Floyd SUZANDE BIESED	HQ40d:	21000	NBBF		
Date 0	05/24/2022			рН:  І	DO: 4	Salinity: 4		

Location Name	Freshwater	Time		Salinity	Dissolved	Oxygen	рН		Turbidity		Peopl	e (within 10	0 ft)
Sample ID	Flowing (Y/N)	(of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	8-8.3 normal		(NTU)		water	beach	canin
Napili Bay RNS220524	NO	8:09	24.0	32.4	6.85	927	8.14	1-87	2-41	2.16	0	0	0
Pohaku RPO220524	No	8:31	24.8	31.9	6.68	96.2	8.21	1.68	1.81	1.83	0	2	0
Kaanapali Sh RKS220524	NB	8:52	24.7	35.2	6.62	97.2	8.13	1.88	1.82	2.01	8	5	0
Kahekili Beach Two RKT220524	NO	9,15	25.6	35.4	6.94	103.8	8.19	0.73	0.62	0.62	0	8	0
Canoe Beach RCB220524	N	9:30	2G.1	34.3	6.85	1005	8.22		8.18	7.57	0	3	0
Wahikuli RWA220524	NO	9:56	26.3	34.5	6.64	99.8	8.19	2.18	2-13	2.36		0	0

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

RNS - RAMINCO - I FLAT WATER
RPP - 25.5HELMAN - NORDAIN - FLAT WATER

RCB - 2 SUP

TURBIDITY VERIFICATION										
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)						
Standard	0.05	5.92	59.1	582						
Pre-sampling	0.09	6.03	60.5	385						
Post-sampling	0.00	5.93	58.4	577						

CHAIN OF CUSTODY INFORMATION									
	# of samples	Relinquished to	Contact						
Sediment			-						
Nutrients	6	KAL	N. Sampan						
Bacteria	-		- 1						

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

Printed Name: Nater Sampson

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	R2RS	Samplers	Freibug,T
Session	105	(Last Name, 1st Initial)	Floyd, M
Date	05/24/22		BIESCY, S

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
RNS220524-N-1	Napili Bay	Ð		8:09	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RPO220524-N-1	Pohaku	Q		8:31	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	4
RKS220524-N-1	Kaanapali Sh	Ð		8:52	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKT220524-N-1	Kahekili Beach Two	Ą		9:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RCB220524-N-1	Canoe Beach	政		9:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RWA220524-N-1	Wahikuli	₫		9:56	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	

Signature (Team Lead):	Printed Name:
Signature (Team Lead):	Mala) Canarus
accept to	Nalei Sampson

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Polanui	Samplers	Harn's K	Meters and Probes ID	
Session	105	(Last Name, 1st Initial)	Gund, K	HQ40d: \	2100Q: NBBF
Date	05/25/2022		Corcoran, K	pH: 6 DO: 4	Salinity: 4

				Salinity	Dissolved	Oxygen		1 1			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		Turbidity (NTU)		water	beach	camp
505 Front St PFF220525	Y	8:16	25.3	35.1	5.74	85.0	8,08	2.87	2.58	3.81 3.03	0	7	0
Lindsey Hale PLH220525	N	8:46	25.5	34.9	5.66	84.3	8,05	2.18	2.25	2.48	0	I	۵
Lahaina Town PLT220525	N	9:05	26.1	35.4	6.12	92.5		5 12 16	1.44	1.42	0	0	0
Camp Olowalu OCO220525	N	9:44	25.8	35.4	6.58	99.0	8.08	5.96	5.65	5.37	۵	0	0
Papalaua Pali OPP220525	N	10:10	26.6	35,7	6.69	102.1	8.18	9.85	8.39	8.95	0	3	0

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

HQ40D-2 battery a little over half Also, it kept reconnecting at 000

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	0.06	5.92	59.1	582
Pre-sampling	0.05	5.92	59.9	584
Post-sampling	0.05	5.95	59.2	577

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

Sites with potential for freshwater flow: 505 Front St.

Signature (Team Lead):

Printed Name:
Nalai Sampsin

Last updated July 2021

Team	Polanui	Samplers	Harrisik
Session	105	(Last Name, 1st Initial)	Gund, K
Date	05/25/2022		Corcoran

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
lutrients							
PFF220525-N-1	505 Front St	Q		8:16	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	P
PLH220525-N-1	Lindsey Hale	ď		8-46	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
PLT220525-N-1	Lahaina Town	Ø		9:05	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OCO220525-N-1	Camp Olowalu	Ø		9:44	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OPP220525-N-1	Papalaua Pali	Ø		[6:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	

Signature (Team Lead):	Printed Name:		-
pulls	Notei	Sampson	

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	R2RN	Samplers Hutchings, L	Meters and Probes ID
Session	105	(Last Name, 1st Initial)	HQ40d:   2100Q: NB8F
Date	05/26/22	Transition of the second	pH: 🕢 DO: Ц Salinity: Ц

	Et			Salinity	Dissolved	Oxygen		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		People	(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
Honolua Bay RHL220526	N	7:551	23.8	33.3	6.12	87.8	8.13	9.07	9.62	12.7LH 9.01	Z	10	0
Oneloa Bay RON220526	N	8135	24.3	35.7	6.83	100.2	8.22	0.69	0.62	0.60	2004	0	0
Kapalua Bay RFS220526	N	9:00	24.6,	35.5	6.33	93.Z	8.15	1.76	2.04	2.20	20	39	0
Ka'opala Bay RKO220526	N	9:30	24.8	34.6	6.48	95.3	8.19	8.08	8.18	8.82	0	2	0
Kahana Village RKV220526	N	9:45	24.4	34.9	5.78	484.7	8.08	6.22	5,46	5.26	0	0	0

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

RHL- calm conditions, no waves, lots of vocks at shoreline

RON- Small waves

RFS. LLM NTU 1.88 simall share break, swimmers near test site HQ40D. Turned on went blank, turned un again asked for time/date Itach 21000 read by Hon collapsinghand to press.

2KV - LAN NTU 4.78 5th 4.89 DTO GO GO TOOK TWO READINGS Sites with potential for freshwater flow: Honolua Bay, Kahana Village

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	0.05	5.92	59.1	582
Pre-sampling	0.06	5.99	59.5	583
Post-sampling	0.08	5.97	57.2	576

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

Signature (Team Lead):

Printed Name:

Note: Sampson

uw turbidity standard was reading really low in post lab, but accounted or got it up to 5.97 NTU (was reading ~ 5.45 NTU)

Last updated July 2021

Team	R2RN	Samplers	Hutchings, L.				
Session	105	(Last Name, 1st Initial)	Darg, L.				
Date	05/26/22						

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
RHL220526-N-1	Honolua Bay	প্ৰ		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RON220526-N-1	Oneloa Bay	Ø		8:35	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RFS220526-N-1	Kapalua Bay	Ø		9:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKO220526-N-1	Kaʻopala Bay	Ø		9:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKV220526-N-1 Kahana Village		ø		9:43	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	
			500 ml	
			500 ml	
			500 ml	2

Signature (Team Lead):	Printed Name:	
Mull	Natei	Sampson