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



Session No: Verifiers (pre-sampling): Pre Date: Pre Time: Verifiers (post-sampling): Post Date: Post Time: 80 M.Beeson, G. Silver, T. Strickland 11/30/20 9:37 M.Beeson, G. Silver, J. Strickland 12/3/20 10:30

QA/QC Check	Inst #	Probe #	Last Cal Date			RE: tion Value		OST: tion Value	Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	n/a	Std Val	NIST Notes oc	NIST Notes oc	NIST °C	NIST °C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
*	2	23	n/a		26.3				(11/30)	West NIST: 26.8 (12/3) - West: 2	6
	2	2	n/a			26.5		26.2	(u130)	West NIST: 26.8 (12/3) → West: 2 South NIST: 26.5 South: - West NIST: 26.9 South NIST: 26.5 (12/3) → West: South NIST: 26.5 (12/3) → South:	46
Salinity			3 months	Std Val	Tap water	Salin Std Avg24 date 35 ppt	Tap water	Salin Std 8/2 date 35 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	2	2	11/30/20		0.65	34.9	0.67	5535.1			
	2	3	11/30/20		0.64	34.8	0.67				
Dissolved Oxygen			1 year	Std Val	10	0%	10	0%	± 5 %		
	2	2	9/8/20		99.	6	100).9			
	2	31	9/28/20		97.0			,			
рН			3 weeks	Std Val	pH 7.00	pH 10.00	рН 7.00	pH 10.00	± 0.1 pH of pH std value	Compare to Manufacturer pH Std value on bottle	
	2	5	11/30/20		7.00	9.98	7.02	9.99			
	2	6	11 30 20		7.01	9.97					
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	11/30/20		0.06	5.82	0.09	5.77		NTU 5.79	
	1	n/a	11/30/20		0.08	5.73				NTU 5.68	

QA:

* Are pre- and post within one week?

* Delay times are ok?

* Other equipment issues?

Lab: TMO

Team R2RS	Samplers	Gallogher, C	STRICKLONGIJ	Meters and Pr	obes ID		
Session 80	(Last Name, 1st Initial)	Kranberg, J		HQ40d: 2		2100Q: NE	3BF
Date 12/01/2020		Beesler, m		рН: 6	DO: 2	Salin	nity: 2

	Streams	Tim.		Salinity	Dissolved	Oxygen	nU		urbidity		Peopl	e (within 10	00 ft)
Location Name Sample ID	Streams Time Flowing (of (Y/N) collection)		Temp (ppt) (°C) 30-35 variable normal		(mg/L)	(%) 85-105 normal	pH 8-8.3 normal	(NTU)		water	beach	camp	
Napili Bay RNS201201	N	8:17	24.9	35.2	6.82	100.1	8.13	1.02	1.04	1.06	0	10	0
Pohaku RPO201201	\sim	8:50	對.25.3	34.4	6.76	99.3	8.11	11.7/2	11.1	12.3	0	2	0
Kaanapali Shores RKS201201	N	9:14	4.25 Etc	35.0	6.90	100.7	8.15	3.37	3,17	3.18	0	2	O
Kahekili Beach Two RKT201201	N	9:38	25,9	35.1	6.61	98.6	0,16	1.75	Z.00	1.82	0	2	0
Canoe Beach RCB201201	N	10:15	26.3	33.3	6.93	103.0	8:18	1.58	1.01	1.27	1	7	Ó
Wahikuli RWA201201	N	10:21	26.3	34.3	6.61	98.9	8.18	1.42	1.36	1.55	0	0	0

Yoga babe	Talking } Rus
calmy de	ear day -> all sites
	KORRENOR A

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.08	5.79	58.6	593
Pre-sampling	0.00	5.78	5.0.1	594
Post-sampling	0.08	5.80	58.8	593

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	Q	TMO	J. strictland
Bacteria	-	-	

Signature (Team Lead):	Printed Name	:
Moseson	Meredith	Beeson

Team	R2RS	Samplers	Gallagher, C.	Strickland, J.	
Session	80	(Last Name, 1st Initial)	Kranberg, J.		
Date	12/01/2020		Beeson, M.		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
RNS201201-N-1	Napili Bay	Q		8:17	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RPO201201-N-1	Pohaku	ď		8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKS201201-N-1	Kaanapali Sh	Ø		9:14	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKT201201-N-1	Kahekili Beach Two	Ø		9:38	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RCB201201-N-1	Canoe Beach	d		10:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RWA201201-N-1	Wahikuli	Ø		10:21	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

Signature (Team Lead):	Printed Name:		
mouse	Meredith	Berson	

Team Polanui	Samplers	BAYLEY, R	HARRIS, K	GLEND, K	Meters and P	robes ID		
Session 80	(Last Name, 1st Initial)				HQ40d: 2		2100Q	: NBBF
Date 12/02/2020					рН: (DO:	2	Salinity: Z

	Streams	Time		Salinity	Dissolved	Oxygen	pН		Turbidity		Peop	le (within 10	0 ft)
Location Name Sample ID	Flowing (Y/N)	(of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	8-8.3 normal		(NTU)	au	water	beach	camp
505 Front St PFF201202	Y	8:21	25.2	34.7	6.68	98.4	8.13	2.89	1	2.99	Ø	1+200	Ø
Lindsey Hale PLH201202	NE	8:45	24.9	34.8	6.69	98.0	8.13	14.6	14.4	14.0	Ø	Ø	Ø
Lahaina Town PLT201202	NA	9:62	25.Ø	34.6	6.07	89.0	8.ø8	15. ø	15.8	15.3	Ø	Ø	Ø
Olowalu Pier OSF201202	N/A	9:31	25.3	35,1	6.49	96.1	8.49	1,75	1.66	1.85	1	4+000	0
Camp Oluwalu OCO201202	N/A	9:47	25.8	35.Ø	6.38	95.1	8.10	1.07	1.15	1.06	Ø	\$	Ø
Papalaua Pali OPP201202	N	19:02	26.4	35.2	6.81	1625	8.16	8.98	8,52		Ø	i	Ø

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

TURBIDITY VER	RIFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.08	5.79	S8.6	593
Pre-sampling	0.07	5.80	58.4	594
Post-sampling	0.09	5.79	59.8	594

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	10	TMO	Grace Silver
Nutrients	(0	TMD	O. Silvar
Bacteria	<u> </u>	1,50	0.0110

Signature (Team Lead): Printed Name:

Galle Silver

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Polanui	Samplers	Bayley, R
Session	80	(Last Name, 1st Initial)	Harris, K
Date	12/02/2020		Gund, K

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
PFF201202-N-1	505 Front St	Ø		8:21	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
PLH201202-N-1	Lindsey Hale	Q		8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
PLT201202-N-1	Lahaina Town	V		9:02	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OSF201202-N-1	Olowalu Pier	Ø		9:31	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OPP201202-N-1	Papalaua Pali	Ø		9:47	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OCO201202-N-1	Camp Oluwalu			10:02	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	

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

Team R2RN	Samplers (Last Name, 1st Initial) Hutchings, L. Silver, G.	Meters and Probes ID	
Session 80	1st Initial) Huromy 91, 2.	HQ40d: 2	2100Q: NBBF
Date 12/03/2020	Silver, G. Becson, M.	pH: (DO:	

	Streams	Time		Salinity	Dissolved	l Oxygen	рН		Turbidity		Peopl	e (within 10	00 ft)
Location Name 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	camp
Honolua Bay RHL201203	N	7:56x	24.5	35.2	6.67	97.2	8,10	41.9	42.3	43.5	Q	0	0
Oneloa Bay RON201203	N/A	8:30A	25.5	35.4	6.80	101.0	8.15	1.70	1.74	1.72	0	\bigcirc	0
Kapalua Bay RFS201203	N	9:48a	25.8	35.2	6.86	102.2	8.15	3.51	3.72	3,85	1	5	\mathcal{C}
Ka'opala Bay RKO201203	7	9:110	25.0	34.9	6.66	97.6	8.68	15.7	16.2	15.6	2	0	0
Kahana Village RKV201203	N	9:250	25.6	35.1	6.90	102.3	8.13	6.65	5.62		0	0	0

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

Rhl-stream area cleaved of Pocks.

RFS-Very sunny & larger waves than normal Rico-4th 16.13 Turbidity

RKV-Dahris on the beach, construction on street

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.09	5.79	58.6	593
Pre-sampling	0.08	5.77	57.8	594
Post-sampling	0.09	5.77	58.6	594

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	Tho	J. Stricklan
Bacteria	-	-	-

Signature (Team Lead):	Printed Name:
moreson	Meredith Beeson

Team	R2RS	Samplers	Berg, L.
Session	80	(Last Name, 1st Initial)	Hutchings, L. Silver, G. Breson M.
Date	12/03/2020		

	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
RHL201203-N-1	Honolua Bay	Ø		7:56	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RON201203-N-1	Oneloa Bay	Q		8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	-
RFS201203-N-1	Kapalua Bay	Q		8:48	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKO201203-N-1	Ka'opala Bay	ď		9:11	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKV201203-N-1	Kahana Village	Ø		9:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments								
			500 ml					
			500 ml					
			500 ml	-				
			500 ml					

Signature (Team Lead):	Printed Name:				
Meredill Been	Meredith	Beeson			