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



	V '6" (line).	Pre Date:	Pre Time:	Verifiers (post-sampling):	Post Date:	Post Time:
Session No:				1	11/12/20	10:17
79	M. Beeson, G. Silver, T. Strickland	11920	9:13	M. Beeson, G. Silver	11/12/20	10 11

QA/QC Check	Inst#	Probe #	Last Cal Date		PR Verificati		PO: Verificati		Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	n/a	Std Val	<u>NIST</u> 28.2 °C	<u>NIST</u> 283 ℃	28.9 GS 28.81 ℃	<u>NIST</u> <u>°C</u>	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	13	3	6/11/ Exp.		27.7	Country Con 1	28.3			MIZL EXX: P SOSI	
	1	2	n/a			27.9					
Salinity			3 months	Std Val	Tap water	Salin Std Avg24 date 35.0ppt	Tap water	Salin Std Avg24 date 35.0 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	1	3	8/17/20		0.63	34.8	0.64	34.9			
	1	2	8/17/20		0.64	34.8					
Dissolved Oxygen			1 year	Std Val	10	0%	10	0%	± 5 %		
	1	1	9/28/20		99	1 %	97	.9%			
	1	2	918120		101	.0%					
рН			3 weeks	Std Val	pH 7.00	pH 10.00	рН 7.00	рН 10.00	± 0.1 pH of pH std value	Compare to Manufacturer pH Std value on bottle	
		5	11/09/20		7.00	9.97	7.00	9.95	Na Caraca		
	1	6	11/09/20		7.01	9.95					
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10	BLANK <0.1	LOW 1-10 5:57NTU	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	*
	1	n/a	8/17/20		0.09	5.57	0.08	5.61		flandourd: S.S7 NTU	
	-		8/17/20		0.08	5.83				Standard: 5.74	

Team R2RS	Samplers	(Galladher, C)	STrickland, J.	Meters and P	robes ID		
Session 79	(Last Name, 1st Initial)	Kranberd, J		HQ40d: {		2100Q	2:
Date 11/10/2020		Belson, M.		pH: 5	DO:	1	Salinity: 3

	G.			Salinity	Dissolved	Oxygen	pН		Turbidity		People (within 100 ft)		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	8-8.3 normal		(NTU)		water	beach	camp
Napili Bay RNS201110	N	8:16	25,3	34.1	6,56	96,5	8,06	2.28	1,98	2.15	Ø	3	0
Pohaku RPO201110	N	8:44	25.9	33,0	6.55	96.7	8.15	3,69,01	3.87	3.29	Z	1	Po Po
Kaanapali Sh RKS201110	N	9:10	25.7	34.6	6.74	100.0	8.12	1.67	1.89	1.88	0	5	0
Kahekili Beach Two RKT201110	~	9:37	26.7	35.0	6.71	101.5	8.12	1.44	1.45	1.53	8	4	ø
Canoe Beach RCB201110	N	10:00	2619	34,5	6.77	102.4	8.18	0.82	0,92	0,91	#B 3	3	
Wahikuli RWA201110	\sim	10:17	27.2	34.5	6.43	97.8	8.16	1.91	1.84	1.86	2	1	0

NOTES AND COMMENTS (trends, equipment proble Use the back of the form if needed.	ms, errors, concern	
Storm water Const	ruction	7 2 ppl paddlin
Probe Temp DO 25.5 Sal 25.3 7H - 24.67 Pohaku DO 26.0 Sal	RYS Temp. DO: 25.9 Sal: 25.7 PH: 25.8 RKT: temps Do: 26.8 Sal: 26.7	RCB Temp: DO - 2.7.0 Sal 26.9 PH= 27.1
PH 26.0	pH: 26.8	pH:27.3

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.09	5.57	57.5	599
Pre-sampling	0.09	5.66 5.61	57.4	601
Post-sampling	0.07	5.58	57.5	600

CHAIN OF CUSTODY INFORMATION								
	# of samples	Relinquished to	Contact					
Sediment	-	-	-					
Nutrients	6	TMO	J. Strickland					
Bacteria	-	-	-					

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

lab: TMO

Team	R2RS	Samplers	Gallagher, C	Strickland, J.	
Session	79	(Last Name, 1st Initial)	Kranbug, J.		
Date	11/10/2020		Beison, M.		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
RNS201110-N-1	Napili Bay	ď		8:16	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RPO201110-N-1	Pohaku	Ø		8:44	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKS201110-N-1	Kaanapali Sh	d		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKT201110-N-1	Kahekili Beach Two	ď		9:37	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	6
RCB201110-N-1	Canoe Beach	ď		10:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RWA201110-N-1	Wahikuli	ď		10:17	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:	
Meso	Meredith Buson	

Team	Polanui	Samplers	R. Bayly G. Silver	Meters and Probes ID	
Session	79	(Last Name, 1st Initial)	K. Gund	HQ40d: \	2100Q: \
Date	11/11/2020	ist illitial)	J. Strickland	pH: 5 DO:	Salinity: 3

				Salinity	Dissolved	l Oxygen	-11		Turbidity		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		(NTU)		water	beach	camp
505 Front St PFF201111	Y	8:11	26.0	32.6	5.66	83.6	7.98	1.18	1.58	1.35	0	12	Ó
Lindsey Hale PLH201111	N	8:30	26.1	34.2	5.93	86.9	8.03	3.68	3.92	3.96	0	3	0
Lahaina Town PLT201111	N	8:48	26.1	34.2	5.95	88.7	8.05	6.68	6.77	7.23	1	Ø2	0
Olowalu Pier OSF201111	N	9:15	26.0	35.0	6.53	97.6	8.06	1.32	1.35	1.42	0	1	0
Camp Oluwalu OCO201111	N	9:32	25.7	35.0	6.22	92.6	8.07	1.04	1.02	1.12	4	3	0
Papalaua Pali OPP201111	N	9:46	25.8	34.5	6.62	98.5	8.10	13.5	13.9	13.9	0	1	0

	back of the form		uipment problems, errors, concerns).
Site	DO temp.	pH Temp	Notes (Rained last night)
PFF	26.2	26.1	small waves, water calm, small breeze, partly cloudy
PLH	26.3	26.2	Partly cloudy
PLT	26.3	26.2	calm water
OSF	26.2	26.1	Very sunny! Small waves, but bigger than normal.
000	25.9	25.8	Partly cloudy, little/no waves
OPP	26.0	25.9	Very windy!!!

TURBIDITY VERIFICATION									
	Blank (must be <0.10)	Low	Med	High					
Standard	0.07	5.57	57.5	599					
Pre-sampling	0.06	5.64	57.5	599					
Post-sampling	0.07	5.62	57.5	599					

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

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

Team Polanui	Samplers	R. Bayly	G. Silver	
Session 79	(Last Name, 1st Initial)	K. Gund		
Date 11/11/2020		J. Strickland		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
PFF201111-N-1	505 Front St	D		8:11	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
PLH201111-N-1	1111-N-1 Lindsey Hale			9:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
PLT201111-N-1	Lahaina Town	tv/		8:48	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OCO201111-N-1	Camp Oluwalu	ď		9:32	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OPP201111-N-1	Papalaua Pali	Ø		9:46	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OSF201111-N-1	Olowalu Pier	Ø	С	9:15	125m)	" + M	

Sediments			
		500 ml	

Signature (Team Lead):	Printed Name:	
Caqce Sur	Grace Silver	

Team R2RN	ession 79 (Last Name, Silvev, 6.	Meters and Probes ID	
Session 79	(Last Name, Silver, G.	HQ40d: (2100Q:	1
Date 11/12/2020	itehemann, C.	pH: 5 DO: 1 S	alinity: 3

				Salinity	Dissolved	Oxygen	nu.		Turbidity		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		(NTU)		water	beach	camp		
Honolua Bay RHL201112	N	7:55	24.9	33.8	0-34	92.3	8-11	0.88	0.99	0.91	0	0	0		
Oneloa Bay RON201112	N	8:25	25.3	34.7	6.72	99.2	8.14	,91	. 86	.81	0	2	0		
Kapalua Bay RFS201112	N	8:46	25.3	33.6	6.59	96.6	8.07	0.89	1.2	1,17	0	1	0		
Ka'opala Bay RKO201112	N	9:06	25.3	34.2	6.48	95.1	8.08	6.23	6.12	6.30	0	0	0		
Kahana Village RKV201112	N	9:24	24.8	34.2	6.55	95.4	8.04	6.96	8.38	6.91	0	0	0		

site	DO TO	PH TO	Notes
RHL	25.1	25.0	small like sulfur
RON	25.5	25.4	dog on beach, medium surf
RFS	25.5	25.5	calm
RKO	25.5	25.4	
RKV	25.0	24.9	calm 4th Turbidity reading =

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.07	5.57	57.5	599
Pre-sampling	0.07	5.66	57.1	601
Post-sampling	0.08	5.61	57.3	(00)

	# of samples	Relinquished to	Contact	
Sediment	-	-	7-	
Nutrients	5	TMO	J. Strickland	
Bacteria	-	·-	-	

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

lab: TMO

Team	R2RS	Samplers	Beeson, M.
Session	79	(Last Name, 1st Initial)	Silver, G.
Date	11/12/2020		it chemann, C.

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
RHL201112-N-1	Honolua Bay	ď		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RON201112-N-1	Oneloa Bay	₫		8:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RFS201112-N-1	Kapalua Bay	ď		8:46	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKO201112-N-1	Ka'opala Bay	d		9:06	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKV201112-N-1	Kahana Village	R		9:24	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
ediments							
					500 ml		
					500 ml		
					500 ml		
					500 ml		

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