



Session No:			ers (pre-samp			re Date:	Pre Tim		erifiers (post-samp		Post Date:	Post Tim	
WM127 LN4, LFR	3	1.5ho	arpe, L.	Yanv	nell 9	111/23	10:00		harpe, 4. St	- Louis	9/14/2023	A STATE OF THE PARTY OF THE PAR	
QA/QC Check	Inst#	Probe #	Last Cal Date		PR Verificati	E:		OST: tion Value	Acceptable Range		Comments/ Notes		QA?
Temperatur e	NIST	n/a	NIST Exp. Date	Std Val	NIST 28.3 _{°C}	NIST 27.6°C	NIST 31.4°C	NIST 29.2 _C	± 0.6 °C of NIST	Compare to	NIST Std value in tap	water	
	2	7	6/28/24		28.3		31.4						
	2	8	6/28/24			27.6	2351 F13672	29.2					
Salinity			3 months	Std Val	Tap water	Salin Std 8 <u>17123</u> date 33.7 ppt	Tap water O. 13	Salin Std 9] u /23 ate 34.0 ppt	± 1 ppt	Salinity Std	compare pre & post va - compare to value on inity Std bottle	lues	
	3	7	8/07/23		0.18	33.4	0.18	34.0					
	4	8	8/07/23		0.18	34.2	0.18	33.3	and the second	100			
Dissolved Oxygen	3/24		1 year	Std Val	10	0%	10	00%	± 5 %	le- ye	.,		
	3	3	7/17/23		98.	2	99	1.6	verified 3x				
	4	4	7/17/23		101.	3	- 10	2.1	verified zx	(102.3%))		
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 v bottle	alue on	
	3	5	8/07/23		7.00	10.01	7.00	10.01	PH 7 + 10	soluti	ions Exp	5/202	4
	4	6	8/07/23	3/11/2	7.00	[0.0]	7.00	10.01					
Turbidity			3 months	Std Val	<u>BLANK</u> <0.1	LOW 1-10 NTU	BLANK <0.1	LOW 1-10 NTU	± 0.18 NTU Low 1-10		re to Gel LOW 1-10 Calibration value		
	5	n/a	7/20/23		0.05	6.41	0.06	6.59	spare 0.06	Low:	6.54		
	2	n/a	7/20/23	THE RESERVE TO STATE OF THE PARTY OF THE PAR	0.05	4.38	0.04	6.37	space 0.06	spare	0.06 Lou	o: 6.31	ı

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

* Delay times are ok?

* Other equipment issues?

NMS-lab

Team	Samplers 1-LOUD, M	Meters and Probes ID	,		
Session	127	(Last Name,		HQ2200: SM 3	2100Q: SM 5
Date	09/12//2023	1st Initial)	BIESER, S	pH: SM 5 DO: SM	M 3 Salinity: SM 7

					Dissolved	Oxygen					People	e (within 1	(00 ft)
Location Name Sample ID	Fresh water Flowing (Y/N)	Time (of collection)	Temp (°C) variable	Salinity (ppt) 30-35 normal	(mg/L) 5.2-7.0 normal	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)		water	beach	camp
Napili Bay RNS230912	M	8:10	25.9	34.6	6.52	96.8	8.06	1.63	1.79	1.57 B	9	0	0
Pohaku RPO230912	N	8.36	26.3	34.6	6.27	93.7	8.13	0.85	0,99	0.96 1.12 4	0	0	0
Kaanapali Shores RKS230912	N	8:54	2612	35,5	6.25	94.1	8.05	1.73	1.93	1.94 88	0	1	0
Kahekifi Beach Two RKT230912	N	9:17	26.5	35.9	6.27	94.8	8.13	1.12	0.71	0.69	2	0	0
Canoe Beach RCB230912	N	9:40	21.3	35.0	6.87	104.6	8.18	2.82	2.58	2.28	0	0	0
Wahikuli RWA230912	N	9:56	27.2	34.8	6.62	100.5	8.17	1.02		1.10	0	0	0

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).

Use the back of the form if needed.

RNS: Aqt, 0-1' shorebreak, slight trade winds

RKS: Flat - 0-1'swell, I guy Fishing on beach

BKT; small swells, 1/2 Ft.

RCB: 1-21 Swells, Shorebreak. Note high DO%

RWA: 1-2' Shore break

RNS, RPD, RKS, & RKT: 4th turbidity taken

	e Standa			
TURBIDITY	VERIFICATIO	ON & PROBE	TEMPERATU	RES
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Turbidity Standard	0.05	6.54	58.4	605
Field – Pre-sample	0.08	6.66	5.8.8	604
Lab – Post sample	TO.0	6.53	58.6	604
Probes (+/- 0.2 °C)	D.O	Salinity	pH	Notes
Verify Probe Temps	25.9	26.0	26.0	

	CHAIN OF CUSTO	DDY INFORMATION	N		
	# of samples	Relinquished to	Contact		
Nutrients	6	NMS	lizu	annel	

Signature (Team Lead):

Printed Name: Yannel

Sites with potential for freshwater flow: Ka'anapali Shores, Canoe Beach

Team	R2RS	Samplers	Floyd, M.
Session	127	(Last Name, 1st Initial)	Bieser, S.
Date	09/12/2023		S. C. g. C. g

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients					The state of		
RNS230912-N-1	Napili Bay	ď		8:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RPO230912-N-1	RPO230912-N-1 Pohaku			8:36	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKS230912-N-1	Kaanapali Shores	ø/		8:54	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKT230912-N-1	Kahekili Beach Two	Ø,	□ 9:(ヿ		125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RCB230912-N-1 Canoe Beach		4		9:40		Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RWA230912-N-1 Wahikuli				9:56	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments					
			500 ml		
			500 ml		
		and the second of the second o	500 ml	Sec.	
			500 ml		

ignature (Team, Lead):	Printed Name:
Rin Ymell	Liz Yannell

Team Polanui 127 Session Date 09/13/2023

Samplers (Last Name, 1st Initial)

SHARPE, M GLEND, K GUND, M

Meters and Probes ID

HO2200: SM 3

2100Q: SM 5

pH: SM 5

DO: SM 3

Salinity: SM 7

	Fresh	Time	T	Salinity	Dissolved	Oxygen				People (within 100 ft)			
Location Name Sample ID	Water		Temp (°C) variable	(ppt) 30-35 normal	(mg/L) 5.2-7.0 normal	(%) 85-105 normal	85-105 normal	Turbidity (NTU)		water	beach	camp	
Camp Olowalu 24 OCO 220705 230913	N	9:08	26.8	35.8	6.48	98,5	8.06	3.42	3.16	3.58	0	0	0
Mile Marker 14 29 OMM 230705 230913	N	9:31	27.0	35.9	6.19	94.4	8.04	1,98	1,99	2.05	0	2	(
OUB 23070 5	N	9:52	26,9	36,1	6.69	101,8	8.12	8,96	9,78	9.59 N	6	0	0
Papalaua Pali yy OPP2 30705 230913	N	10:12	26,6	36.0	6.67	101.1	8.14	52.14	2.41	2.09	10	0	0

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

OCO; calm water, sunny, light breeze, no peo.

OMM; calm water, overcast, light breeze

OUB: light sprinkle rain just starting calm to small swell w/1 waves incoming, overcast small bits burned debris@ shoreline 44 TURB 9.59

overcast, surfers in H20, small waves 2' with OPP: small shore break @ collection 4h turb 2,14

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)	
Turbidity Standard	0.05	6.54	58.4	605	
Field – Pre-Sample	0.06	6.60	58.8	604	
Lab – Post Sample	0.07	4.53	58.6	603	
Probes (+/- 0.2 °C)	D.O	Salinity	рН	Notes	
Verify Probe Temps	26.6	26,8	26.7		
CHAIN OF CUSTODY	# of Samples	Relinquish to	Contact		
Nutrients					

Signature (Team Lead): ()

Print: Sharpe

Sites with potential for freshwater flow: 505 Front St & Ukumehame

Hur O Ka Wai Ola - Sample Collection Datashee

Team	Polanui		Sharpe, M	
Session	127	Samplers (Last	C. 10, 1	
Date	09/13/2023	Name, 1st Initial)	Gund, M	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients	湖 () ()						
OCO230913-N-1	Camp Olowalu	Ø		4:08	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OMM230913-N-1	Mile Marker 14	Ø		9:32	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OUB230913-N-1	Ukumehame	Ø		9:52	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
OPP230913-N-1	Papalaua Pali	Ø		10:12	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			THE PARTY OF THE PARTY OF THE PARTY.	
	T n		500	T
			ml	
			500	
			ml	
			500	
			ml	

Signature:	Print:	Sharpe	
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Hur O Ka War Co. See officeron barashee

Team	R2RN	Samplers	CiCi Hehaman Lish Berg	Meters and Pr	robes ID	
Session	127	(Last Name, 1st Initial)		HQ2200: SM 3	3 210	00Q: SM 5
Date	09/14/2023	(SCIII(Iai)		pH: SM 5	DO: SM 3	Salinity: SM 7

				Calinity	Dissolved	Oxygen			Peopl	e (within 1	00 ft)
Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable	Salinity (ppt) 30-35 normal	(mg/L) 5.2-7.0 normal	(%) 85-105 normal	pH 8-8.3 normal	Turbidity (NTU)	water	beach	camp
Honolua Bay RHL230914	N	8:00	25.7	34.7	5.88 W	87.3	8.05	4.44× 4.78 3.65 3.97	0	4	0
Oneloa Bay RON230914	N	845	26.6	35.8	6.64	15000	8,13	1.01 1.40 1.07	4	1	0
Kapalua Bay RFS230914	N	910	26.6	35.5	6.34	96.1	8,06	1.01 0.94 1.02	0		0
Ka'opala Bay RKO230914	N	934	26.7	35.4	6.24	94.6	8.09	3.67 3.70 3.80	2	0	0
Kahana Village RKV230914	N	9:55	27.0	35.3	5.37	81.7	8.05	6.24 8.70 6.58	0	0	0

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).

Use the back of the form if needed.

RHL-Calm, No Wind, glassy, Clear, NO RIJEN RUNOSS

Ath Tubidity taken

RFS-Super quiet, Calm

RON-Small Sarf, Light Breeze, Clear

RKO-Calm, Semi Clear Visibility.

RKV-Clear, Calm; 4th turbidity taken

TURBIDITY	VERIFICATIO	ON & PROBE	TEMPERATU	RES
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Turbidity Standard	0.05	6.54	58.4	605
Field - Pre-sample	70.66	6.59	58.3	604
Lab - Post sample	0.07	6.48	58,9	605
Probes (+/- 0.2 °C)	D.O	Salinity	pH	Notes
Verify Probe Temps	25.7	25.5	25.6	

	# of samples	Relinquished to	Contact
Nutrients	5	NMS	Liz Yannell

Signature (Team Lead):

Printed Name:

Liz Yannell

Team	R2RN	Samplers	Hehemann, C.	
Session	127	(Last Name, 1st Initial)	Ram 1	
Date	09/14/2023		Deigi L.	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients						THE STREET SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SECTION ADDRESS OF THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SEC	
RHL230914-N-1	Honolua Bay			8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RON230914-N-1	Oneloa Bay	e /		8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RFS230914-N-1	Kapalua Bay	6		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKO230914-N-1	Kaʻopala Bay	6		9:34	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
RKV230914-N-1	Kahana Village	0		9:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	

Signature (Team Lead):	Printed Name:
La Youll	1 Liz Yannell