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

Teams:	Technician:	Session No:	Pre date:	Pre time: Post: Date:	Post time:
	Dana Reed	18	3/6/17	9:15 Am 3/9/17	10:50

	QA/QC Check	Inst#	Probe #	Last Cal Date	In accompanies	fication indard	Verifi	E: cation lue	PO Verifi Va	AND DESCRIPTION OF THE PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF	Acceptable Range (Check range)	Comments/ Notes
	Temperature						24	1,1	2.	3.2	± 1°C of NIST	Within 1°C
5		2	2(5)	3/6/N/A			24	,5	2	3.6		
		2	1(5)	NA					2.	3.7		
	Salinity				0ppt	35ppt	~0	35	.04	33,4	± 3%, blank	33.95 – 36.05
4		2	2	3/6/17			0.04	35	0.04	33.4		25.2°C
		2	1	3/6/17			.04	34.9	0.04	鉄		Probe stabilizing slow soaked in Hel - may no
Control of the control	Dissolved Oxygen	e de la companya de			1	00%	10	2	10	31.0	Post-check ± 5 % of pre-check (0- 100%)	80 – 120 %
		2	2	7/25/16			98	', [10	0.6		
		2	1	7/25/16			98	3.0	98	,2		17 days before senso
	рН			_	7	10	7.00	10.01	7.00	10.01	± 3 % of calibration solution (6-8)	6.79 – 7.21
2		2	3	3/4/17	•		7,00	10.02	7.02	10.02		
		2	2	3/6/17			7.00	10.02	7.06	403		Probetook ~5 min to
	Notes:									10.01		Probetook ~5 min to stabilize-need.

* Probes used in field this week

IN-SITU READINGS:

Team:	Samplers:	Instrument#	Probe #s	Date:	Start time:	Finish time:
R2R	R2R Ty, Dana Terry	40d: 2	S: 2 pH: 3	3/7/17	7:201	9:45
	Brenda	2100q /	DO: 2		7 7100	A

Location Name	Time	Temp (C)	Sal	DO	DO Saturation	pН	T _n	ırbidity¹ (NTII)	Cor	mments	
Docation Name	7:40	Temp (C)	(ppt)	(mg/L)	(%)	PI	"			Waves	Swimmers	Wind
Napili Bay RNA RNS170307	7:40	24.3 24.2 V	34.5	6.75	97.9	8.16	1.69	1.99	1,73	STRONG BMAIL	8	1-280
Pohaku RPO RPO170307	8:03	24.2 ~	32.8	6.81	97.7	8,14	9.03	9.79	9,71	seawedd grau on rocks ul vo. S. SMAll WAUS.	58UP	2-305
Kaanapali Shores RKS RKS170307	8:25	24.32	34.6	6.82	99.1	8.15	8.15	8.58	8.47	small waves		5 Kli -3 BFT
Airport Beach RAB RAB170307	8:45	24.5	34.2	6.70	97.5	8.15	7-01	7.43	7.15	SMAIL WAVES CALM MURLY	SCUBA SNURLA	
Canoe Beach RCB RCB170307	9:04	24.9 2	33.7	6.69	97.6	8.17	3.92	3.70	3.89	ulva on rocks small waves close to flat		O-1 BFT
Wahikuli RWA RWA170307	9:25	24.91	32.9	6.79	98.6	8,19	1.89	2.33	2.12	Small waves Shore break	ø	1-2 BFT
Turbidity Verification Pre:	Blank:	0.08	Low: 0-10	5.68	Med: 10-100	57.8		ligh: 0-1000	628	Со	mment	
Post:	Blank:	0.04	0-10	5.63	3 10-100	58.	0 100	0-1000	629			

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Tide height 7:00 a.m. (Lahiana station) 0.7 feet, falling

Cloud Cover (1-8): L:64T 3

Rain Conditions (general): CLOAIC

Moon: 10

Wind conditions (general): | BFT

WATER QUALITY SAMPLING:

Team:	Samplers:	Date:	Start time: Finish tir	ne:
R2R	Ty Dang Terry.	3/7/17	7:20	
	Brenda			

Sample No	Location Name	Time	Vol (mL)	Nutrient Bottle?	SSC ?	Quality control notes	Grab sample?
RNS170307-N-1	Napili	7:40	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	
RNS170307-S-1	Napili		500		X		
RPO170307-N-1	Pokahu	8:06	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	B
RPO170307-S-1	Pokahu		500		X		
RKS170307-N-1	Kaanapali Sh	8:28	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	且
RKS170307-S-1	Kaanapali Sh		500		X		
RAB170307-N-1	Airport Beach	8:47	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	4
RAB170307-S-1	Airport Beach		500		X		
RCB170307-N-1	Canoe Beach	9:07	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	Æ
RCB170307-S-1	Canoe Beach		500		X		
RWA170307-N-1	Wahikuli	9:30	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	'Æ
RWA170307-S-1	Wahikuli		500		X		

TY FIRE BERG

IN-SITU READINGS:

Team:	Samplers:	Instrument #	Probe #s	Date:	Start time:	Finish time:
Polanui	Dana, Kit	40d: 2	S: 2 pH: 3	3/8/17	8:19	11:20
	Jim	2100q	DO: 2			

Location Name	Time	Temp (C)	Sal	DO	DO Saturation	pН	Ti	ırbidity ¹	(NTII)	Con	mments		
			(ppt)	(mg/L)	(%)				(1.10)	Waves	Swimmers	Wind	C
505 Front St PFF PFF170308	8:30	24.5	34.0	6.33	91.8	8.10	1.36	1.95	2.12	flest stream flow	Ø 1 wader	Ø	(
Lindsey Hale PLH PLH170308	8:59	24.6	33,9	6.13	88.8	8.10	6.45	7.81 5.83		flat	3 Keyak	3 0 - 5	
Lahaina Town PLT PLT170308	9:24	24.6 V 24.5	34.2	6.42	93.4	8.11	3.07	3.10	2.83		flet	ø	0
Puamana PPU PPU170308	9:54	25.3 25.2V	34.5	6.93	102.1	8,20	1.80	2.2	4 2.50	11 waves from S.	φ	ф	0
Launiupoko OLP OLP170308	10:24	25.7 25.6	34.5	7.07	104.9	8.21	1.64	1.8	1,59	1'waves	3 wader	s 1-2	(3
Olowalu Pier OSF OSF170308	11:00	26.0	34.5	7.35	109.4	8.13	1.69	1.7	1 1.60	flat	Ø	Ø	
Turbidity Verification Pre:	Blank:	0.05	Low: 0-10	5.7	O Med:	57.9		ligh: 0-1000	629	Co	mment		
Post:	Blank:	0.05	0-10	5.6	8 10-100	58.	/ 100	0-1000	627				

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Tide height 7:00 a.m. (Lahiana station) 0.7 feet falling

Cloud Cover (1-8): 0 −3

Rain Conditions (general):

Moon: 11

Wind conditions (general): Calm

WATER QUALITY SAMPLING:

Team:	Samplers:	Date:	Start time:	Finish time:
Polanui	Dana, Jim, Kit	3/8/17	8:19	11:20

Sample No	Location Name	Time	Vol (mL)	Nutrient Bottle?	SSC ?	Quality control notes	Grab sample?	
PFF170308-N-1	505 Front St	8:30	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	M	
PFF170308-S-1	505 Front St		500		X			
PLH170308-N-1	Lindsey Hale	8:59	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	×	
PLH170308-S-1	Lindsey Hale		500		X		Ø.	
PLT170308-N-1	Lahaina Town	9:24	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	风	
PLT170308-S-1	Lahaina Town		500		X		18	powed it
PPU170308-N-1	Puamana	9:54	125	Х		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	X	powed it , out (turbidity was low)
PPU170308-S-1	Puamana		500		X			
OLP170308-N-1	Launiupoko	10:24	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	Д	
OLP170308-S-1	Launiupoko		500		X			
OSF170308-N-1	Olowalu SF	11:00	125	Х		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	风	
OSF170308-S-1	Olowalu SF		500		X			

A. Harelo 3/8/17

Hui O Ka Wai Ola, 12/12/2016

OUB X over 10% NTU - collected a large bottle

IN-SITU READINGS:

Team:	Samplers:	Instrument #	Probe #s	Date:	Start time:	Finish time:
Olowalu	Michelle Gnoffoul	40d: 2	S: 2 pH: 3	3/9/17	7:15	9:00
	TOUN VOORHE	2100q	DO: 2	3/9/17	7:K	5:00

Location Name	Time	Temp (C)	Sal	DO	DO Saturation	рН	Tı	ırbidity ¹ (NTU)	C	omments	
			(ppt)	(mg/L)	(%)	1			Waves	Swimmers	Wind	
Martin Hale OPM OPM170309	7:30	24.5	34.3	5.97	86.5	8.05	2.34	2.27	2.09	Ø"	B	80
Camp Olowalu OCO OCO170309	7:50	25.4	34.5	6.26	92.1	8.09	4.73	4.49	4.59	g	KAYAKS	8/8
Mile Marker 14 OMM OMM170309	B 05	25.4	34.4	5.83	85.8	8.06	2.37	2.39	7238	Ø	CAMPERS 10-15 Swarkele	
Ukumehame OUB OUB170309	815	24.7	34.5	6.76	98.6	8.11	(5.5	15.3	15.5	1' SMAIL	Ø	CAIM 8/8
Papalaua Beach OPB OPB170309	8 30	25.2	34.9	6.91	101.2	8.15	8.68	9,45	9.15	2'	Ø	Culn
Papalaua Pali OPP OPP170309	845	25.4	34.5	6.78	100.5	3.14	6.75	7.44	6.48	1'-2'	CAMPE	taln
Turbidity Verification Pre:	Blank:	.09	Low: 0-10	5.66	Med: 10-100	57.6	1 100	High: 0-1000	629	(Comment	Just mentanen ville geland
Post:	Blank:	.05	0-10	5.68	10-100	57.	9 100	0-1000	628			

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Tide height 7:00 a.m. (Lahiana station) 0.7 feet falling

Moon: 12

Cloud Cover (1-8): 8 0 VC

Wind conditions (general):

CAlun

Rain Conditions (general):

* Replicate nutrient sample: Use 2 syringes + take 2 samples. Filter both into N-1 bottle. Mix sample and pour half into N-2 bottle.

Hui O Ka Wai Ola, 12/12/2016

WATER QUALITY SAMPLING:

Team:	Samplers: ,	Date:	Start time:	Finish time:	
Olowalu	Michelle Contant	3/9/17	715	900	
	The state of the s				

John Voerik

Sample No	Location Name	Time	Vol (mL)	Nutrient Bottle?	SSC ?	Quality control notes	Grab sample?
OPM170309-N-1	Martin Hale	130	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	
OPM170309-S-1	Martin Hale		500		X		
OCO170309-N-1	Camp Olowalu	750	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	风
OCO170309-S-1	Camp Olowalu		500		X		
OMM170309-N-1	Mile Marker 14	805	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	刄
OMM170309-S-1	Mile Marker 14		500		X		
OUB170309-N-1	Ukumehame	815	125	Х		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	Æ
OUB170309-N-2	Ukumehame		125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	Æ
OUB170309-S-1	Ukumehame		500		X		X
OPB170309-N-1	Papalaua Beach	830	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	Ø
OPB170309-S-1	Papalaua Beach		500		X		
OPP170309-N-1	Papalaua Pali	845	125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	\$0
OPP170309-S-1	Papalaua Pali		500		X		

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