

(ODSEN) CALLAN L

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



Session No:	Verifiers:	Pre date:	Pre time:	Post Date:	Post time:
29	BURKE G. MAXWELL C	10/23/17	9:45	10/27/17	12:25 pm

QA/QC Check	Inst #	Probe #	Last Cal Date		PRE: Verification Value		POST: Verification Value		Acceptable Range (Check range)	Comments/ Notes	Q
Temperature			n/a	Std	(Probe 2) 27.5	(Probe 3) 27.6	(Probe 2) 24.5		± 1°C of NIST	Within 1°C	
	2	2	n/a		27.5		24.8				
	2	3	n/a		27.4						
Salinity				Std	0.04	Bottle 11/3/16 33.3 *	0.04	Bottle 11/3/16 made 33.3 *	± 3%, blank	33.95 – 36.05	
	2	2	10/2/17		0.03	33.5	0.03	33.5			
	2	3	10/2/17		0.03	33.4					
Dissolved Oxygen				Std	100%		100%		Post-check ± 5 % of pre-check (0-100%)	80 – 120 %	
	2	1	3/28/17		100.3%		103.2%				
	2	2	8/1/17		98.8%						
pH	2 ⁶⁶⁰	3 ⁶⁶⁰	10/23/17 ⁶⁶⁰	Std	7.00	10.01	7.00	10.01	± 3 % of calibration solution (6-8)	6.79 – 7.21	
	2	3	10/23/17		7.00	10.01	7.02	10.00			
	2	4	10/23/17		7.00	10.01					

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

* SALINITY STANDARD BOTTLE HAS 2 DATES
 11/3/16 AND 8/4/17 33.3% PPT
 660

Team/ Session	Samplers Last Name, 1st Initial										Instrument #	pH #	DO #	Salinity #	Date:	
SR2R	Notetaker: Maxwell, C										40d: 2	3	1	2	10/24/17	
29	Others: Freiberg, T (just 2 people sampling today)										2100q: 3					
Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Sat (%)	pH	Turbidity (NTU)			Waves	Wind	People (within 100 ft)			TSS ?	Nutrient Duplicate ?
												In Water	Beach	Camp		
Napili Bay RNS RNS171024	8:24	26.3	33.5	6.31	94.8	8.10	17.5	16.2	16.5	1	0	2	1	0	<input type="checkbox"/>	<input type="checkbox"/>
Pohaku RPO RPO171024	8:50	26.5	33.3	6.34	96.3	8.15	14.5	15.6	15.3	1	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Kaanapali Sh RKS RKS171024	9:13	26.7	33.2	6.60	99.5	8.16	5.48	5.43	5.47	1	0	0	6	0	<input type="checkbox"/>	<input type="checkbox"/>
Airport Beach RAB RAB171024	9:35	27.0	33.6	6.57	99.8	8.18	1.81	1.78	1.66	0	1	9	7H	0	<input type="checkbox"/>	<input type="checkbox"/>
Canoe Beach RCB RCB171024	9:57	26.9	33.2	6.68	101.1	8.17	9.88	9.97	9.81	1	0	0	2+	0	<input type="checkbox"/>	<input type="checkbox"/>
Wahikuli RWA RWA171024	10:20	26.9	33.1	6.67	100.9	8.19	6.20	5.87	7.69	1	1	0	0	2	<input type="checkbox"/>	<input type="checkbox"/>

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Most recent Low & High tide Time (Lahaina station) indicate Falling or Rising	Low 12:51 p.m.; Falling High 6:33 a.m.
Moon Day (from new)	5
Cloud Cover (0-8):	See below
Rain Conditions (last 24 hours)	RNS - light drizzle
Wind Direction (Trades? Kona?):	Kona? very light winds
Streams flowing? (Y/N)	RPO - water from drainage pipe

QA Notes and Comments (Trends? Equip problems? Errors? Concerns?
Use back of form if needed.) RNS - 100% clouds RPO - 85% clouds
huge storm last night, thunder lightning winds
power outages all around W Maui
RPO - no rain when sampling, water brown near shore
RKS - minor flooding in parking lot - directed to beach
light drizzle rain 100% clouds RWA - clouds
RAB - sunny, no rain RCB - 90% clouds
20% clouds slight drizzle rain

Waves: 0 ft = no waves; 1 ft = small waves; 2 ft = knee high; 3 ft = waist high
Wind: 0 = calm, 1 = light air, 2 = light breeze, 3 = gentle breeze, 4 = moderate breeze
People: Swimmers/Kayakers/Surfers, On beach, Campers

Turbidity Verification

	Blank	Low	Med	High
Standard	0.07	5.92	54.3	568
Pre	0.07	5.85	54.2	568
Post	0.06	5.91	54.2	569

	Total # of samples	Relinquished To::	Contact
Sediment	0	LHS	Cathy Maxwell
Nutrient	6	LHS	Cathy Maxwell
Bacteria	0		Cathy Maxwell

Signature (Team Lead):

Cathy Maxwell

Print name here:

Cathy Maxwell

WATER QUALITY SAMPLING:

Team:	Notetaker:	Last Name, 1 st Initial	Date:
SR2R - 29	Maxwell, C		10/24/17

Sample No	Location Name	Sample taken?	Storm sample?	Time	Vol (mL)	Protocol notes	Comments
Nutrients							
RNS171024-N-1	Napili Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:24	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RPO171024-N-1	Pokahu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:50	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RKS171024-N-1	Kaanapali Sh	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:13	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RAB171024-N-1	Airport Beach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:35	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RCB171024-N-1	Canoe Beach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:57	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RWA171024-N-1	Wahikuli	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10:20	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
Sediment - TSS							
RNS171024-S-1	Napili Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RPO171024-S-1	Pokahu	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RKS171024-S-1	Kaanapali Sh	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RAB171024-S-1	Airport Beach	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RCB171024-S-1	Canoe Beach	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RWA171024-S-1	Wahikuli	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>

Signature (Team Lead):
Cathy Maxwell
Print name here:
Cathy Maxwell

Team/ Session	Samplers Last Name, 1st Initial										Instrument #	pH #	DO #	Salinity #	Date:	
Polanui	Notetaker: Maxwell J. Brown, W. Bayly, R.										40d: 2	3	1	2	10/25/17	
29	Others:										2100q: 3					
Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Sat (%)	pH	Turbidity (NTU)			Waves	Wind	People (within 100 ft)			TSS ?	Nutrient Duplicate ?
												In Water	Beach	Camp		
505 Front St PFF PFF171025	8:22	26.7	34.7	6.58	99.6	8.06	6.63	7.11	8.14	0	0	0	2	0	<input type="checkbox"/>	<input type="checkbox"/>
Lindsey Hale PLH PLH171025	8:47	26.7	34.1	6.50	98.2	8.07	19.2	19.1	19.4	1	1	0	4	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lahaina Town PLT PLT171025	9:10	26.8	34.2	6.39	96.7	8.07	15.0	13.9	15.2	0	1	0	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Puamana PPU PPU171025	9:35	27.2	34.7	6.65	101.6	8.14	13.0	13.8	13.6	2	1	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Launiupoko OLP OLP171025	9:55	27.9	34.4	6.60	100.5	8.09	11.7	11.1	11.3	2	1	1	5	0	<input type="checkbox"/>	<input type="checkbox"/>
Olowalu Pier OSF OSF171025	10:15	27.1	34.6	6.59	100.5	8.10	1.47	1.63	1.82	0	1	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Most recent Low & High tide Time (Lahaina station) indicate Falling or Rising	Low 11:43 pm High 7:27 am rising
Moon Day (from new)	5
Cloud Cover (0-8):	85% 8
Rain Conditions (last 24 hours)	v. rainy
Wind Direction (Trades? Kona?):	? TRADES
Streams flowing? (Y/N)	PFF

QA Notes and Comments (Trends? Equip problems? Errors? Concerns?
Use back of form if needed.)

PFF - stream running + 4" drain pipe
PLH - running stream + erosion
PLT - v. little beach
PPU - v. high tide + waves

Waves: 0 ft = no waves; 1 ft = small waves; 2 ft = knee high; 3 ft = waist high

Wind: 0 = calm, 1 = light air, 2 = light breeze, 3 = gentle breeze, 4 = moderate breeze

People: Swimmers/Kayakers/Surfers, On beach, Campers

Turbidity Verification

	Blank	Low	Med	High
Standard	0.06	5.92	54.3	568
Pre	0.06	5.90	54.2	569
Post	0.06	5.92	54.2	569

	Total # of samples	Relinquished To::	Contact
Sediment	2	LHS	GEORGE BURNETTE
Nutrient	6	LHS	GEORGE BURNETTE
Bacteria	0		

Signature (Team Lead):

Print name here:

George C. Burnette

George C. Burnette

Team:	Notetaker:	Last Name, 1 st Initial	Date:
Polanui 29	MAXWELL, J.		10/25/17

Sample No	Location Name	Sample taken?	Storm sample?	Time	Vol (mL)	Protocol notes	Comments
Nutrients							
PFF171025-N-1	505 Front St	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:22	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
PLH171025-N-1	Lindsey Hale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:47	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
PLT171025-N-1	Lahaina Twn	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:10	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
PPU171025-N-1	Puamana	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:35	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
OLP171025-N-1	Launiupoko	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:55	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
OSF171025-N-1	Olowalu Pier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10:15	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
Sediment - TSS							
PFF171025-S-1	505 Front St	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
PLH171025-S-1	Lindsey Hale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:47	500		<input type="checkbox"/>
PLT171025-S-1	Lahaina Twn	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:10	500		<input type="checkbox"/>
PPU171025-S-1	Puamana	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OLP171025-S-1	Launiupoko	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OSF171025-S-1	Olowalu Pier	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>

Signature (Team Lead):

Print name here:

[Signature] GEORGE G. BUCKENBERRY

Team/ Session	Samplers Last Name, 1st Initial									Instrument #	pH #	DO #	Salinity #	Date:		
Olowalu	Notetaker: NOPONEN, R									40d: 2	3	1	2	10/26/17		
29	Others: BURNETTE, G									2100q: 3						
Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Sat (%)	pH	Turbidity (NTU)			Waves	Wind	People (within 100 ft)			TSS ?	Nutrient Duplicate ?
												In Water	Beach	Camp		
Martin Hale OPM OPM171026	0701	26.0	34.7	5.78	86.6	7.96	6.06	6.52	6.32	1	1	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Camp Olowalu OCO OCO171026	0731	26.7	34.5	6.25	94.7	8.01	4.72	4.81	4.73	1	0	0	12	0	<input type="checkbox"/>	<input type="checkbox"/>
Mile Marker 14 OMM OMM171026	0751	26.8	34.5	5.45	82.7	7.96	5.43	5.34	4.99	2	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Ukumehame OUB OUB171026	0814	26.8	34.8	6.37	96.9	8.06	4.03 10.5 4.66	9.99	10.8	1	1	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Papalaua Beach OPB OPB171026	0840	26.9	34.7	6.47	98.5	8.05	20.0	21.6	21.5	4 2 4	1	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Papalaua Pali OPP OPP171026	0905	27.0	34.8	6.67	101.8	8.07	4.19 4.89 4.60	4.96	5.10	2	1	0	0	3	<input type="checkbox"/>	<input type="checkbox"/>

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Most recent Low & High tide Time (Lahaina station) indicate Falling or Rising	Low 12.00 am High 8:43 am rising
Moon Day (from new)	6
Cloud Cover (0-8):	7
Rain Conditions (last 24 hours)	YES - LIGHT
Wind Direction (Trades? Kona?):	TRADES
Streams flowing? (Y/N)	N/A

QA Notes and Comments (Trends? Equip problems? Errors? Concerns?
Use back of form if needed.)

VERY LIGHT RAIN STARTED @ 8.05 AM
ENDED @ 8.10 AM
HIGH TURBIDITY READINGS DUE TO BROWN
WATER - RECENT RAIN EVENTS
(OVER)

Waves: 0 ft = no waves; 1 ft = small waves; 2 ft = knee high; 3 ft = waist high

Wind: 0 = calm, 1 = light air, 2 = light breeze, 3 = gentle breeze, 4 = moderate breeze

People: Swimmers/Kayakers/Surfers, On beach, Campers

Turbidity Verification

	Blank	Low	Med	High
Standard	0.06	5.92	54.3	568
Pre	0.08	5.89	53.9	569
Post	0.06	5.89	54.2	569

	Total # of samples	Relinquished To:	Contact
Sediment	0	LHS	George Burnette
Nutrient	6	LHS	George Burnette
Bacteria			

Signature (Team Lead):

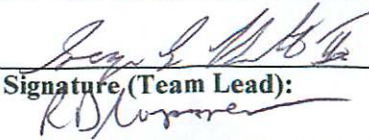
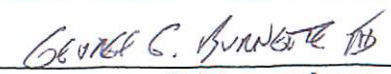
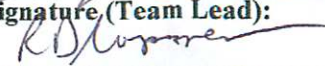
Print name here:

George G. Burnette

A FOURTH TURBIDITY READING TAKEN ⁶⁶⁹ FROM AT OUB AND OPP DUE TO LOWER TURBIDITY
 READING LIKELY CAUSED BY NOT INVERTING TURBIDITY BOTTLE PRIOR TO FIRST
 READING.

Team:	Notetaker:	Last Name, 1 st Initial	Date:
Olowalu 29	Noponen, R		10/26/17

Sample No	Location Name	Sample taken?	Storm sample?	Time	Vol (mL)	Protocol notes	Comments
Nutrients							
OPM171026-N-1	Martin Hale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0701	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
OCO171026-N-1	Camp Olowalu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0731	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
OMM171026-N-1	Mile Marker 14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0751	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
OUB171026-N-1	Ukumehame	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0814	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
OPB171026-N-1	Papalaua Beach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0840	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
OPP171026-N-1	Papalaua Pali	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0905	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
Sediment - TSS							
OPM171026-S-1	Martin Hale	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OCO171026-S-1	Camp Olowalu	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OMM171026-S-1	Mile Marker 14	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OUB171026-S-1	Ukumehame	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OPB171026-S-1	Papalaua Beach	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OPP171026-S-1	Papalaua Pali	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>



 Signature (Team Lead):  Print name here: RICHARD NOPONEN

Team/ Session	Samplers Last Name, 1st Initial									Instrument #	pH #	DO #	Salinity #	Date:		
NR2R	Notetaker: Lyn Hutchings, Ananda Stone, Cici Hehemann									40d: 2	3	1	2	10/27/17		
29	Others: Cathy Maxwell, Bruce Bunker Ananda Stone, Cici Hehemann									2100q: 3						
Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Sat (%)	pH	Turbidity (NTU)			Waves	Wind	People (within 100 ft)			TSS ?	Nutrient Duplicate ?
												In Water	Beach	Camp		
Honolua Bay RHL RHL171027	8:05	25.4	33.0	6.54	96.9	8.11	1.56 ^{AS} 1.04 1.56 ^{AS}	1.64 ^{AS} 1.64 1.64 ^{AS}	1.58 ^{AS} 1.58 1.58 ^{AS}	1	1	0	0	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fleming North RFN RFN171027	8:45	26.4	34.8	6.83	103.3	8.17	3.72	3.28	3.43	3	1	11	40	0	<input type="checkbox"/>	<input type="checkbox"/>
Oneloa Bay RON RON171027	9:20	27.0	35.0	6.79	104.1	8.18	1.22	1.28	1.33	3	1	2	15	0	<input type="checkbox"/>	<input type="checkbox"/>
Kapalua Bay RFS RFS171027	9:53	26.7	34.8	6.99	106.6	8.21	2.91	2.60	2.37	1	1	33	60	0	<input type="checkbox"/>	<input type="checkbox"/>
Ka'opala Bay RKO RKO171027	10:23	25.9 26.6	34.3 27.0	6.84 26.1 CH.	102.6	8.13	26.6	27.0	26.1	2	1	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Kahana Vill RKV RKV171027	10:46	27.4	35.0	6.83	105.1	8.23	11.6	10.8	11.7	2	1	0	7	0	<input type="checkbox"/>	<input type="checkbox"/>

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Most recent Low & High tide Time (Lahaina station) indicate Falling or Rising	Low 12:27 a.m.; Rising High 10:16 a.m.
Moon Day (from new)	8
Cloud Cover (0-8):	1
Rain Conditions (last 24 hours)	light rain night before
Wind Direction (Trades? Kona?):	Trade, onshore
Streams flowing? (Y/N)	

QA Notes and Comments (Trends? Equip problems? Errors? Concerns?
Use back of form if needed.)

Rain event Mon-Wed
RFN - NOT Flow, but mixing w/surf at mouth of stream
RHL - stream flow, lots of wood debris (esm)
RON - Lots of wood debris * see RHL notes
RKO - Leaves + wood debris on beach about turbidity

* Duplicate Sample - Honolua Bay - 0.7 µm
Filter

Waves: 0 ft = no waves; 1 ft = small waves; 2 ft = knee high; 3 ft = waist high
Wind: 0 = calm, 1 = light air, 2 = light breeze, 3 = gentle breeze, 4 = moderate breeze
People: Swimmers/Kayakers/Surfers, On beach, Campers

Turbidity Verification

	Blank	Low	Med	High
Standard	0.06	5.92 ^{AS}	54.3	568
Pre	0.08	5.94 ^{AS} 6.05	54.2	569
Post	0.07	5.91	54.5	569

	Total # of samples	Relinquished To::	Contact
Sediment	1	LHS	Cathy Maxwell
Nutrient	7	LHS	Cathy Maxwell
Bacteria	2		Cathy Maxwell

Signature (Team Lead):

Cathy Maxwell

Print name here:

Cathy Maxwell

* RHL
~~HHH~~ csm
 in lab

lots of plant debris in water, which settled out quickly
 newly resuspended sample from well-mixed sediment bottle → 107 NTUs

1:35 pm 107 NTUs

1:45 pm 9.37

8.83

8.78

1:46:30 pm → 8.75

No mixing after 1:35 pm measurement / left w/ meter
 after 1:45 pm no mixing, just continued to measure
 (push Read button) right after Value locked

WATER QUALITY SAMPLING:

Team:	Notetaker: Last Name, 1 st Initial	Date:
NR2R - 29	Hutchings, L	10/27/17

Sample No	Location Name	Sample taken?	Storm sample?	Time	Vol (mL)	Protocol notes	Comments
Nutrients							
RHL171027-N-1	Honolua Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:05	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RFN171027-N-1	Fleming North	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:45	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RON171027-N-1	Oneloa Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:20	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RFS171027-N-1	Kapalua Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:53	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RKO171027-N-1	Ka'opala Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10:23	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RKV171027-N-1	Kahana Village	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10:46	125	Washed, rinsed syringes; acid washed bottles; 0.2 um filters; washed rinsed filter holders	<input type="checkbox"/>
RHL171027-N-2	Honolua Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:05	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
Sediment - TSS							
RHL171027-S-1	Honolua Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:05	500	100m STREAM FLOW - LOT OF PLANT DEBRIS	<input checked="" type="checkbox"/>
RFN171027-S-1	Fleming North	<input type="checkbox"/>	<input type="checkbox"/>		500	mixing at ocean at mouth of stream	<input type="checkbox"/>
RON171027-S-1	Oneloa Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RFS171027-S-1	Kapalua Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RKO171027-S-1	Ka'opala Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RKV171027-S-1	Kahana Village	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>

Signature (Team Lead):

Catherine Maxwell

Print name here:

Cathy Maxwell