

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

Session No:	Verifiers:	Pre date:	Pre time:	Post Date:	Post time:
23	GEORGE BURWETTE	6/19/17	10:15	6/23/17	12:00 noon

QA/QC Check	Inst #	Probe #	Last Cal Date		PRE: Verification Value		POST: Verification Value		Acceptable Range (Check range)	Comments/ Notes	QA?
Temperature			n/a	Std	26.5°C		26.5		± 1°C of NIST	Within 1°C	
	2	5-2	n/a		26.6		26.7				
	2	5-3	n/a		26.5		26.7				
Salinity				Std	0.04	35.0	0.04	33.3	± 3%, blank	33.95 – 36.05	
	2	2	6/19/17		0.04	34.9	0.04	33.4			
	2	3	6/19/17		0.04	34.8	0.04	33.2			
Dissolved Oxygen				Std	100%		100%		Post-check ± 5 % of pre-check (0-100%)	80 – 120 %	
	2	1	3/28/17		101.2		101.8				
	2	2	7/25/16		97.8		98.1				
pH				Std	7.00	10.01	7.00	10.01	± 3 % of calibration solution (6-8)	6.79 – 7.21	
	2	3	6/19/17		7.00	10.01	7.01	9.98			
	2	4	6/19/17		7.00	10.01	7.01	9.97			

Notes: Are pre- and post- within one week?

\* Delay times are ok?

\* Other equipment issues?



Team/ Session:	Samplers (Initials):	Instrument #	Probe #s	pH	DO	Salinity	Date:	1 <sup>st</sup> Sample Time	End Sample Time:
R2R	Lead: Ty	40d:	40d:	4			6/20/17	7:41	9:22
23	Notetaker: Marie/Ty	2100q: 2		4	2	2			

Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Sat (%)	pH	Turbidity (NTU)			Waves	Wind	People			TSS ?
												Swim	Beach	Camp	
Napili Bay RNS RNS170620	7:41	20.2 <sup>4</sup>	33.6	6.90	102.9	8.10	1.85	2.11	1.87	King Spring tides coming	calm slight mist	diver spear fishers	20	-	<input type="checkbox"/>
Pohaku RPO RPO170620	8:07	25.7 <sup>4</sup> 25.5	30.5	6.96	101.1	8.16	7.24	7.36	6.70	waves	calm Sunny	quiet	3 just out	-	<input type="checkbox"/>
Kaanapali Sh RKS RKS170620	8:28	26.3 <sup>4</sup> 26.1	34.4	6.70	100.4	8.12	4.55	5.52	5.43	calm	calmer 10	beach 6	5-10	-	<input type="checkbox"/>
Airport Beach RAB RAB170620	8:46	26.7 <sup>4</sup> 26.8	34.2	6.64	100.2	8.17	2.16	2.15	1.97	calm sets of waves	very slight breeze	5	lots of people 25+	20-40	<input type="checkbox"/>
Canoe Beach RCB RCB170620	9:04	27.0 <sup>4</sup> 26.9	34.0	6.75	102.1	8.16	6.22	5.97	6.09	big 3 surfers high waves	3 breezy	4	lots of kids w/ 20 life guards	-	<input type="checkbox"/>
Wahikuli RWA RWA170620	9:22	26.9 <sup>4</sup> 27.0	33.9	6.76	102.2	8.17	5.11	4.73	5.09	King tides coming Hi surfs	4 breezy Sunny	0	0	-	<input type="checkbox"/>

## COASTAL AND ENVIRONMENTAL CONDITION NOTES

Most recent low tide time/height (Lahaina station):	Low 6:27 a.m.; High 2:01 p.m.
Moon Day (from new)	27
Cloud Cover (1-8):	6
Rain Conditions (last 24 hours)	light drizzle
Wind conditions (Trades? Kona?):	no wind
Streams flowing? (Y/N)	

QA Notes and Comments (Trends? Equip problems? Errors? Concerns?)

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: 0, 1-5, 5-10, 10-20, 20-40

## Turbidity Verification

	Blank	Low	Med	High
Standard	2.4	6.60	60.0	567
Pre	.09	6.55	59.9	567
Post	.05	6.62	60.0	566

	Total # of samples	Relinquished To::	Contact
Sediment	1	LHS	Dave
Nutrient	6	LHS	Dave
Bacteria	0		

Signature (Lead):



**WATER QUALITY SAMPLING:**

Team:	Samplers:	Date:	Start time:	Finish time:
R2R - 23	TV, Terry	6/20/17	7:41	9:22

Sample No	Location Name	Sample taken?	Storm sample?	Time	Vol (mL)	Protocol notes	Comments
Nutrients							
RNS170620-N-1	Napili Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7:41	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RPO170620-N-1	Pokahu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:07	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RKS170620-N-1	Kaanapali Sh	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:28	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RAB170620-N-1	Airport Beach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:47	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RCB170620-N-1	Canoe Beach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:04	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RWA170620-N-1	Wahikuli	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:22	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
Sediment							
RNS170620-S-1	Napili Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RPO170620-S-1	Pokahu	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RKS170620-S-1	Kaanapali Sh	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RAB170620-S-1	Airport Beach	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RCB170620-S-1	Canoe Beach	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RWA170620-S-1	Wahikuli	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>



Team/ Session:	Samplers (Initials):	Instrument #	Probe #s	pH	DO	Salinity	Date:	1 <sup>st</sup> Sample Time	End Sample Time:
Polanui	Lead: <i>Rick Bayley</i>	40d: -1	40d:	4	1	2	6/21/17	8 <sup>15</sup> am	10:25am
23	Notetaker: <i>Cathy Maxwell</i>	2100q: -2							

Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Sat (%)	pH	Turbidity (NTU)	Waves	Wind	People			TSS ?
										Swim	Beach	Camp	
505 Front St PFF PFF170621	8 <sup>15</sup> am	26.9	33.4	6.47	97.6	8.08	4.48 5.17 <u>5.36</u> 4.50	<del>2-3ft</del> 1	0mph	0 people			<input type="checkbox"/>
Lindsey Hale PLH PLH170621	8 <sup>43</sup> am	26.7	33.9	6.32	95.2	8.08	2.39 2.52 2.44	0ft	0mph	0 people 3 people 0 surf inside reef boats outside reef			<input type="checkbox"/>
Lahaina Town PLT PLT170621	9 <sup>03</sup> am	27.3	34.5	6.85	104.6	8.10	2.28 2.11 2.34	0ft	1-2 mph	2 surfers in water 1 water in water 0 surf inside reef 1 boat outside reef			<input type="checkbox"/>
Puamana PPU PPU170621	9 <sup>30</sup> am	27.3	34.5	6.69	<del>102.2</del> 102.2	8.17	3.58 4.04 <u>4.38</u> 3.83	2-3ft	1-2mph	1 surf gear out big surf			<input type="checkbox"/>
Launiupoko OLP OLP170621	9 <sup>50</sup> am	27.4	34.5	6.86	104.9	8.20	1.80 1.95 1.64	1-2ft	1-2mph	Surfers 10(5-10)			<input type="checkbox"/>
Olowalu Pier OSF OSF170621	10 <sup>12</sup> am	27.6	34.6	6.94	106.5	8.16	3.81 3.10 3.85	0 waves	1-2mph	0 waves 0 people			<input type="checkbox"/>

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Most recent low tide time/height (Lahaina station):	Low 7:07 a.m.; High 2:44 p.m.
Moon Day (from new)	28
Cloud Cover (1-8):	none
Rain Conditions (last 24 hours)	no rain
Wind conditions (Trades? Kona?):	none / Trades 1-2 mph
Streams flowing? (Y/N)	Y (small flow) N

QA Notes and Comments (Trends? Equip problems? Errors? Concerns?)

PFF  
PLH  
PLT  
PPU  
DLPOF

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: 0, 1-5, 5-10, 10-20, 20-40

Turbidity Verification

	Blank	Low	Med	High
Standard <i>✓</i> <del>2.06</del>		6.63	60.0	566
Pre	0.06	6.63	60.0	566
Post	0.06	6.69	60.0	566

	Total # of samples	Relinquished To::	Contact
Sediment	0	LHS	Dana Reed
Nutrient	6	LHS	Dana Reed
Bacteria			

Signature (Lead):

*Rick Bayley*



**WATER QUALITY SAMPLING:**

Team:	Samplers:	Date:	Start time:	Finish time:
Polanui - 23	Rick Bayly	6/21/17	8:15	10:25

Sample No	Location Name	Sample taken?	Storm sample?	Time	Vol (mL)	Protocol notes	Comments
Nutrients							
PFF170621-N-1	505 Front St	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:15	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
PLH170621-N-1	Lindsey Hale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:43	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
PLT170621-N-1	Lahaina Town	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:03	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
PPU170621-N-1	Puamana	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:30	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
OLP170621-N-1	Launiupoko	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:50	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
OSF170621-N-1	Olowalu SF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10:12	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
Sediment							
PFF170621-S-1	505 Front St	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
PLH170621-S-1	Lindsey Hale	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
PLT170621-S-1	Lahaina Town	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
PPU170621-S-1	Puamana	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OLP170621-S-1	Launiupoko	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OSF170621-S-1	Olowalu SF	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>

Rick Bayly



Team/ Session:	Samplers (Initials):	Instrument #	Probe #s	pH	DO	Salinity	Date:	1 <sup>st</sup> Sample Time	End Sample Time:
Olowalu	Lead: <i>GGP</i>	40d: <i>2</i>	40d:	<i>3</i>	<i>2</i>	<i>3</i>	6/22/17	<i>0720</i>	<i>9:20</i>
<b>23</b>	Notetaker: <i>NW</i>	2100q: <i>1</i>							

Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Sat (%)	pH	Turbidity (NTU)			Waves	Wind	People			TSS ?
												Swim	Beach	Camp	
Martin Hale OPM OPM170622	<i>0720</i>	<i>26.1</i>	<i>34.6</i>	<i>5.82</i>	<i>87.3</i>	<i>8.40</i>	<i>1.48</i>	<i>1.38</i>	<i>1.42</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<input type="checkbox"/>
Camp Olowalu OCO OCO170622	<i>0745</i>	<i>26.0</i>	<i>34.3</i>	<i>6.38</i>	<i>95.5</i>	<i>8.20</i>	<i>14.6</i>	<i>15.4</i>	<i>15.0</i>	<i>2</i>	<i>2</i>	<i>0</i>	<i>0</i>	<i>0</i>	<input checked="" type="checkbox"/>
Mile Marker 14 OMM OMM170622	<i>0810</i>	<i>25.7</i>	<i>33.9</i>	<i>6.20</i>	<i>92.1</i>	<i>8.01</i>	<i>5.32</i>	<i>4.64</i>	<i>5.06</i>	<i>1</i>	<i>3</i>	<i>0</i>	<i>0</i>	<i>0</i>	<input type="checkbox"/>
Ukumehame OUB OUB170622	<i>0830</i>	<i>26.4</i>	<i>34.6</i>	<i>6.54</i>	<i>98.7</i>	<i>8.12</i>	<i>4.13</i>	<i>4.20</i>	<i>4.06</i>	<i>3</i>	<i>3</i>	<i>2</i>	<i>3</i>	<i>0</i>	<input type="checkbox"/>
Papalaua Beach OPB OPB170622	<i>0850</i>	<i>26.1</i>	<i>34.6</i>	<i>6.88</i>	<i>103.2</i>	<i>8.16</i>	<i>2.93</i>	<i>3.29</i>	<i>2.57</i>	<i>1</i>	<i>3</i>	<i>0</i>	<i>0</i>	<i>0</i>	<input type="checkbox"/>
Papalaua Pali OPP OPP170622	<i>0910</i>	<i>26.1</i>	<i>34.7</i>	<i>6.75</i>	<i>101.4</i>	<i>8.13</i>	<i>3.71</i>	<i>3.93</i>	<i>3.86</i>	<i>2</i>	<i>3</i>	<i>8</i>	<i>6</i>	<i>0</i>	<input type="checkbox"/>

**COASTAL AND ENVIRONMENTAL CONDITION NOTES**

Most recent low tide time/height (Lahaina station):	Low 7:48 a.m.; High 3:27 p.m.
Moon Day (from new)	<i>29</i>
Cloud Cover (1-8):	<i>0</i>
Rain Conditions (last 24 hours)	<i>None</i>
Wind conditions (Trades? Kona?):	<i>TRADES</i>
Streams flowing? (Y/N)	<i>N</i>

QA Notes and Comments (Trends? Equip problems? Errors? Concerns?)

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: 0, 1-5, 5-10, 10-20, 20-40

**Turbidity Verification**

	Blank	Low	Med	High
Standard		<i>5.40</i>	<i>56.0</i>	<i>608</i>
Pre	<i>0.05</i>	<i>5.43</i>	<i>56.1</i>	<i>608</i>
Post	<i>0.06</i>	<i>5.42</i>	<i>56.1</i>	<i>607</i>

	Total # of samples	Relinquished To::	Contact
Sediment	<i>1</i>	LHS	<i>Dana Reed</i>
Nutrient	<i>6</i>	LHS	<i>Dana Reed</i>
Bacteria			

Signature (Lead):

*By S. N. A.*



**WATER QUALITY SAMPLING:**

Team:	Samplers:	Date:	Start time:	Finish time:
Olowalu - 23	668 / NW	06/22/17	0710	0920

Sample No	Location Name	Sample taken?	Storm sample?	Time	Vol (mL)	Protocol notes	Comments
Nutrients							
OPM170622-N-1	Martin Hale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0720	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
OCO170622-N-1	Camp Olowalu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0745	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
OMM170622-N-1	Mile Marker 14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0810	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
OUB170622-N-1	Ukumehame	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0830	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
OPB170622-N-1	Papalaua Beach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0850	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
OPP170622-N-1	Papalaua Pali	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0910	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
Sediment							
OPM170622-S-1	Martin Hale	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OCO170622-S-1	Camp Olowalu	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0800	500		<input type="checkbox"/>
OMM170622-S-1	Mile Marker 14	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OUB170622-S-1	Ukumehame	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OPB170622-S-1	Papalaua Beach	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
OPP170622-S-1	Papalaua Pali	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>

*Dr. S. M. B. et*



Team/ Session:	Samplers (Initials):	Instrument #	Probe #s	pH	DO	Salinity	Date:	1 <sup>st</sup> Sample Time	End Sample Time:
NR2R	Lead: <i>Ananda, B</i>	40d: <i>2</i>	40d:	<i>3</i>	<i>2</i>	<i>3</i>	6/23/17	<i>7:25</i>	<i>10:40</i>
<i>23</i>	Notetaker: <i>Dana</i> <i>GB BB</i>	2100q: <i>1</i>							

Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Sat (%)	pH	Turbidity (NTU)			Waves	Wind	People			TSS ?
												Swim	Beach	Camp	
Honolua Bay RHL RHL170623	<i>7:25</i>	<i>25.5</i>	<i>33.3</i>	<i>5.80</i>	<i>85.6</i>	<i>8.08</i>	<i>1.10</i>	<i>0.81</i>	<i>0.89</i>	<i>φ</i>	<i>φ</i>	<i>φ</i>	<i>4</i>	<i>φ</i>	<input type="checkbox"/>
Mokule'ia Bay RMO RMO170623	<i>8:05</i>	<i>26.0</i>	<i>32.3</i>	<i>6.56</i>	<i>97.2</i>	<i>8.18</i>	<i>2.04</i>	<i>1.94</i>	<i>2.57</i>	<i>2</i>	<i>φ</i>	<i>5</i>	<i>5</i>	<i>φ</i>	<input type="checkbox"/>
Fleming North RFN RFN170623	<i>8:40</i>	<i>26.4</i>	<i>33.8</i>	<i>6.44</i>	<i>96.8</i>	<i>8.13</i>	<i>1.47</i>	<i>1.36</i>	<i>1.36</i>	<i>1</i>	<i>1</i>	<i>4</i>	<i>9</i>	<i>φ</i>	<input type="checkbox"/>
Oneloa Bay RON RON170623	<i>9:14</i>	<i>26.7</i>	<i>34.2</i>	<i>6.72</i>	<i>102.0</i>	<i>8.20</i>	<i>0.60</i>	<i>0.32</i>	<i>0.38</i>	<i>φ</i>	<i>1</i>	<i>2</i>	<i>10-20</i>	<i>φ</i>	<input type="checkbox"/>
Kapalua Bay RFS RFS170623	<i>9:50</i>	<i>26.3</i>	<i>31.7</i>	<i>6.50</i>	<i>96.4</i>	<i>8.08</i>	<i>1.28</i>	<i>1.20</i>	<i>1.17</i>	<i>φ</i>	<i>1</i>	<i>&gt;50</i>	<i>&gt;50</i>	<i>φ</i>	<input type="checkbox"/>
Ka'opala Bay RKO RKO170623	<i>10:20</i>	<i>26.7</i>	<i>33.1</i>	<i>6.59</i>	<i>99.2</i>	<i>8.10</i>	<i>8.21</i>	<i>8.74</i>	<i>7.83</i>	<i>1</i>	<i>1</i>	<i>φ</i>	<i>1</i>	<i>φ</i>	<input type="checkbox"/>

## COASTAL AND ENVIRONMENTAL CONDITION NOTES

Most recent low tide time/height (Lahaina station):	High 4:10 p.m.; Low 8:29 a.m.
Moon Day (from new)	<i>0</i>
Cloud Cover (1-8):	<i>3</i>
Rain Conditions (last 24 hours)	<i>Shower early morning</i>
Wind conditions (Trades? Kona?):	<i>Trades</i>
Streams flowing? (Y/N)	<i>N (RHL)</i>

QA Notes and Comments (Trends? Equip problems? Errors? Concerns?)

*Shorebreak Mokule'ia*  
*County working on lift station at Kapalua Bay*  
*Testing new level of emergency generator*

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: 0, 1-5, 5-10, 10-20, 20-40

## Turbidity Verification

	Blank	Low	Med	High
Standard		<i>5.40</i>	<i>56.0</i>	<i>608</i>
Pre	<i>0.06</i>	<i>5.35</i>	<i>56.0</i>	<i>608</i>
Post	<i>0.04</i>	<i>5.34</i>	<i>56.0</i>	<i>607</i>

	Total # of samples	Relinquished To::	Contact
Sediment	<i>φ</i>	LHS	<i>Dana Reed</i>
Nutrient	<i>6</i>	LHS	<i>Dana Reed</i>
Bacteria			

Signature (Lead):

*Ananda Stone*



**WATER QUALITY SAMPLING:**

Team:	Samplers:	Date:	Start time:	Finish time:
NR2R - 23		6/23/17	7:25	10:40

Sample No	Location Name	Sample taken?	Storm sample?	Time	Vol (mL)	Protocol notes	Comments
<b>Nutrients</b>							
RHL170623-N-1	Honolua Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7:25	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RMO170623-N-1	Mokule'ia 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"/>
RFN170623-N-1	Fleming North	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8:40	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RON170623-N-1	Oneloa Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:14	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RFS170623-N-1	Kapalua Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9:50	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
RKO170623-N-1	Ka'opala Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10:20	125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		125	Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input type="checkbox"/>
<b>Sediment</b>							
RHL170623-S-1	Honolua Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RMO170623-S-1	Mokule'ia Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RFN170623-S-1	Fleming North	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RON170623-S-1	Oneloa Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RFS170623-S-1	Kapalua Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>
RKO170623-S-1	Ka'opala Bay	<input type="checkbox"/>	<input type="checkbox"/>		500		<input type="checkbox"/>

Ananda Stone