

## POLANUI TEAM

2100Q: 1

HQ40D: 1

Samplers:

Rock  
Alane  
Cathy  
Jim

Sampler contact:

Cathy Maxwell

Date and Time: 10/05/16

IN-SITU READINGS:

Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Saturation (%)	pH	Turbidity <sup>1</sup> (NTU)			Comments (Rain, swimmers, wind)
505 Front Street PFF	8:16am	27.6	35.5	5.90	91.3	7.79	3.07	3.40	3.50	<del>no one in water</del> Kayakers went by while sampling, no wind, 6" wave at sample, 6" chop
Lindsey Hale PLH (N)	8:48am	27.8	35.4	5.44	84.3	7.89	15.6	14.3	14.3	no one in water, looks murky, clouds 4/8, can't see feet, minimum knee deep for sampling
Lahaina Town PLT (S)	9:10am	28.2	36.0	5.53	86.4	7.87	18.6	21.8	20.7	Kayakers within 7.5' <del>4/8</del> clouds, light breeze
Puamana PPU next to pool w/ scoop	9:35am	28.3	36.5	6.42	100.6	8.11	2.62	2.71	2.51	no one in water, looks clearer than PL sites, 1-2 ft where sample, water washing over pier at collection site
Launiupoko OLP	10:00am	28.8	37.3	6.45	102.4	7.97	3.14	3.60	3.34	Several surfers, 1/8 clouds, 6-8" waves at sample spot
Olowalu Shore Front OSF	10:23am	28.8	37.2	6.73	106.9	7.99	2.09	2.13	2.00	Very flat water, 1/8 clouds, no one in water, looks clear
<b>Turbidity Verification</b>										
Pre:	Blank: 0.1	Low: 0-10	5.65	Med: 10-100	58.1	High: 100-1000	623			Comment Hank a little high
Post:	Blank: 0.05	0-10	5.59	10-100	58.0	100-1000	621			

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Tide: 6:12 a.m. high tide 1.9 ft; 12:01 p.m. 0.8 ft Low Tide; Lahaina station

Rain Conditions (general): no rain, a little hazy

Cloud Cover: 5/8 (PFF), 4/8 (PLH/PLT), 1/8 (OLP), 1/8 (PPU) (OSF)

Moon: 5/6

Hui O Ka Wai Ola, 7/10/2016

pH measurement stabilization taking longer than normal

PFF/PLH/PLT - brown water out 70-100 ft

Note: Soaked pH probe in distilled water for 5 min (over)

\* soaked pH probe in distilled water for 5 minutes and then look at pH of 7.00 buffer. Reading was very quick and read 7.06. Suspect fouling from minerals (salts) in seawater

Wind conditions (general):

**WATER QUALITY SAMPLING:**

Sample No	Location Name	Time	Vol (mL)	Nutrient Bottle?	SSC ?	Quality control notes	Grab sample?
PFF161005-N-1	505 Front St	8:16am	125	X		Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	<input checked="" type="checkbox"/>
PFF161005-S-1	505 Front St		500		X		<input type="checkbox"/>
PLH161005-N-1	Lindsey Hale	8:48am	125	X		Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	<input checked="" type="checkbox"/>
PLH161005-S-1	Lindsey Hale		500		X		<input checked="" type="checkbox"/>
PLT161005-N-1	Lahaina Town	9:10am	125	X		Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	<input checked="" type="checkbox"/>
PLT161005-S-1	Lahaina Town		500		X		<input checked="" type="checkbox"/>
PPU161005-N-1	Puamana	9:35am	125	X		Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	<input checked="" type="checkbox"/>
PPU161005-S-1	Puamana		500		X		<input type="checkbox"/>
OLP161005-N-1	Launiupoko	10:00am	125	X		Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	<input checked="" type="checkbox"/>
OLP161005-S-1	Launiupoko		500		X		<input type="checkbox"/>
OSF161005-N-1	Olowalu Shore Front	10:23am	125	X		Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	<input checked="" type="checkbox"/>
OSF161005-S-1	Olowalu Shore Front		500		X		<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>
							<input type="checkbox"/>