

POLANUI TEAM

2100Q:

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HQ40D:

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Samplers:

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Date and Time: 1/25/17

IN-SITU READINGS:

Location Name	Time	Temp (C)	Sal (ppt)	DO (mg/L)	DO Saturation (%)	pH	Turbidity ¹ (NTU)			Comments (Rain, swimmers, wind)
505 Front Street PFF PFF170125	8:22	23.8	35.2 35.2	6.16	88.5	7.83 7.85 7.87	6.50	6.28	6.16	Stream is flowing, 0 clouds, flat, 0 wind
Lindsey Hale PLH PLH170125	8:50	23.9 23.8	34.8 34.8	6.22	89.5	7.92 7.96 7.96	3.66	3.72	3.26	no stream flow, 0 cloud, flat, 0 wind, super low tide
Lahaina Town PLT PLT170125	9:16	24.3	34.9 34.9	6.47	93.7	7.99 8.00 8.00	1.79	1.65	1.65	7 supers = 1 walker, 0 cloud, 0 wind, flat, super low tide
Puamana PPU PPU170125	9:45	24.8	34.9 34.9	6.79	99.1	8.05 8.06 8.06	2.21	1.80	1.76	1 ft surf, 0 clouds, 0 wind, super low tide: easy sampling conditions
Launiupoko OLP OLP170125	10:07	24.6	35.1 35.1 35.6	6.79	98.9	8.03 8.04 8.04	1.91	1.93	2.34	1-2 ft surf, 4/8 clouds, 0 wind low tide
Olowalu Shore Front OSF170125	10:36	24.7	35.2 35.2	6.46	94.3	7.88 7.89 7.90	1.21	1.12	1.31	Flat, 2/8 cloud, 5-10 knots low tide
Turbidity Verification Pre:	Blank:	Low: 0-10	5.77	Med: 10-100	58.2	High: 100-1000	630			Comment didn't do blank - follow up w/ Dana
Post:	Blank: 0.06	0-10	5.68	10-100	58.0	100-1000	629			

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Tide: 3:11 a.m. high tide 2.1 ft; 9:22 a.m. 0.7 ft Low Tide; Lahaina station

Rain Conditions (general):

Cloud Cover:

Moon: 29

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* pH readings not done according to instructions - wanted team to keep reading until 3 same readings in a row.

Wind conditions (general):

WATER QUALITY SAMPLING:

Sample No	Location Name	Time	Vol (mL)	Nutrient Bottle?	SSC ?	Quality control notes	Grab sample?
PFF170125-N-1	505 Front St		125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input checked="" type="checkbox"/>
PFF170125-S-1	505 Front St		500		X		<input checked="" type="checkbox"/>
PLH170125-N-1	Lindsey Hale		125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input checked="" type="checkbox"/>
PLH170125-S-1	Lindsey Hale		500		X		<input type="checkbox"/>
PLT170125-N-1	Lahaina Town		125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input checked="" type="checkbox"/>
PLT170125-S-1	Lahaina Town		500		X		<input type="checkbox"/>
PPU170125-N-1	Puamana		125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input checked="" type="checkbox"/>
PPU170125-S-1	Puamana		500		X		<input type="checkbox"/>
OLP170125-N-1	Launiupoko		125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input checked="" type="checkbox"/>
OLP170125-S-1	Launiupoko		500		X		<input type="checkbox"/>
OSF170125-N-1	Olowalu Shore Front		125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input checked="" type="checkbox"/>
OSF170125-N-2	Olowalu Shore Front		125	X		Washed, rinsed syringes; acid washed bottles; 0.7 um filters; washed rinsed filter holders	<input checked="" type="checkbox"/>
OSF170125-S-1	Olowalu Shore Front		500		X		<input type="checkbox"/>

→ Replicate sample: Collect two syringes with two syringe filters and filter both syringes into the N-1 bottle. Agitate the two collected samples to create a homogenous water sample and then carefully pour half of the water into the N-2 bottle. This ensures that the lab receives two water samples that are identical.

Replicate sample discarded after incorrect collection procedure.

Hui O Ka Wai Ola, 7/10/2016