

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

Session No:	Verifiers (pre-sampling):	Pre Date:	Pre Time:	Verifiers (post-sampling):	Post Date:	Post Time:
WM124 LN 2	L. Yannell, Y. St-Louis	7/3/23	9:34 AM	L. Yannell, Y. St-Louis	07/07/2023	1315

QA/QC Check	Inst #	Probe #	Last Cal Date		PRE: Verification Value		POST: Verification Value		Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	NIST Exp. Date	Std Val	NIST	NIST	NIST	NIST	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	5	6	3/14/2025		32.3	32.3	30.0	30.0			
	5	5	3/14/2025			32.2					
Salinity			3 months	Std Val	Tap water	Salin Std	Tap water	Salin Std	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	4	6	6/12/23		0.17	34.4	0.16	34.5			
	3	5	5/22/23		0.18	34.1					
Dissolved Oxygen			1 year	Std Val	100%		100%		± 5 %		
	4	4	8/15/22		99.9		99.8				
	3	1	2/6/23		98.8						
pH			3 weeks	Std Val	pH 7.00	pH 10.00	pH 7.00	pH 10.00	± 0.1 pH of pH std value	Compare to Manufacturer pH Std value on bottle	
	4	8	7/3/23		7.00	10.01	7.05	10.06		New pH solutions for post-verific. pH 7 Exp: June 2024 May 2024	
	3	9	7/3/23		7.00	10.01				pH 10 Exp: May 2024 June 2024	
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	4	n/a	7/3/23		0.07	5.96	0.08	5.95		calibrated today: passed Med = 62.9 High = 641	
	1	n/a	7/3/23		0.06	5.42				Med = 57.9 High = 636	

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

OLP Lab

Team	Lana'i	Samplers (Last Name, 1st Initial)	L. Yannell Y. St-Louis	Meters and Probes ID		
Session	2			HQ2200: 4	2100Q: 4	
Date	07/07/2023			pH: 8	DO: 4	Salinity: 6

Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable	Salinity (ppt) 30-35 normal	Dissolved Oxygen		pH 8-8.3 normal	Turbidity (NTU)			People (within 100 ft)		
					(mg/L) 5.2-7.0 normal	(%) 85-105 normal					water	beach	camp
Mānele Bay LMN230707	N	7:50	26.8	36.1	6.12	92.7	8.16	5.49	5.26	5.26	0	0	0
Hulopo'e Beach Park LHB230707	N	8:35	26.7	36.3	6.61	100.0	8.18	0.53	0.46	0.49	2	1	0

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).
Use the back of the form if needed.

LMN - light breeze, sunny, tide going out, calm water, Did reading 2x
Salinity → 36.2, DO - 6.10 / 92.1 %
- people in small boat docked next to us as we sampled. They arrived just before sampling ~ 5 min.

LHB - clear water, partly cloudy, 3' shorebreak
2nd read = Salinity 36.3, Temp 26.6, DO 6.60, 99.7 %
King tide this week

TURBIDITY VERIFICATION

	Blank (must be < 0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	0.07	5.96	62.9	641
Pre-sampling	0.08	5.94	62.7	641
Probes (+/- 0.2 °C)	D.O	Salinity	pH	Notes
Temperature Verification	26.8	26.8	26.6	
Post-sampling (Lab)	0.08	5.95	63.0	640

CHAIN OF CUSTODY INFORMATION

	# of samples	Relinquished to	Contact
Nutrients	2	OLP	Liz Yannell

Signature (Team Lead):

Liz Yannell

Printed Name:

Liz Yannell

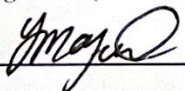
Sites with potential for freshwater flow: None

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Lana'i	Samplers (Last Name, 1st Initial)	L. Yanne II, Y. St-Louis
Session	2		
Date	07/07/23		

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
LMN230707-N-1	Mānele Bay	✓	<input type="checkbox"/>	0750	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
LHB230707-N-1	Hulopo'e Beach Park	✓	<input type="checkbox"/>	0835	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments							
		<input type="checkbox"/>	<input type="checkbox"/>		500 ml		
		<input type="checkbox"/>	<input type="checkbox"/>		500 ml		
		<input type="checkbox"/>	<input type="checkbox"/>		500 ml		
		<input type="checkbox"/>	<input type="checkbox"/>		500 ml		

Signature (Team Lead): 	Printed Name: Ylenia Mayen St-Louis
---	--