



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

Session No:	Verifiers (pre-sampling):	Pre Date:	Pre Time:	Verifiers (post-sampling):	Post Date:	Post Time:
103 SM	Y. St-Louis, M. Sharpe	09/25/23	0940	Yannell, L. Keyhani, C.	9/28/23	11:30 AM
5 Lanai		09/25/23		St. Louis, Y., Sharpe, M.		

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	
	2	7	6/28/24		25.9	25.2	31.6				
	2	8	6/28/24			25.2		29.2			
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	
	2	7	8/1/23		0.13	33.9	0.13	33.7			
	2	8	8/1/23		0.18	33.0	0.18	33.2			
Dissolved Oxygen			1 year	Std Val	100%		100%		± 5 %		
	3	3	7/17/23		101.5		101.4				
	3	4	7/17/23		101.1		101.8				
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	6	9/25/23		7.01	10.01	7.03	10.05		pH solutions Exp 5/2024	
	4	5	9/25/23		7.00	10.01	7.02	10.02			
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10 NTU	BLANK <0.1	LOW 1-10 NTU	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	2	n/a	8/1/23		0.06	6.31	0.05	6.35		Low: 6.31	
	5	n/a	8/1/23		0.05	6.54	0.04	6.59		Low: 6.54	

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

NMS Lab

Uhi O Ka Wai Ola - Sample Collection Datasheet

Team	Lana'i	Samplers (Last Name, 1st Initial)	Sharpe, M St Louis, Y	Meters and Probes ID		
Session	5			HQ2200: SM 4		2100Q: SM 2
Date	09/28/2023			pH: SM 6	DO: SM 4	Salinity: SM 8

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 LMN230928	N	8:00	26.8	35.2	6.37	96	8.10	3.77	3.42	3.59	0	0	0
Hulopo'e Beach Park LHB230928	N	8:16	26.5	35.3	6.77	101.7	8.10	1.33 ^{1.5}	1.57	1.44	0	0	3

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

LMN - Calm water in harbor, no wind
Hot, sunny few clouds, Water look
Tan/Brown
LHB - Small swell, No wind, sunny
water clear.

TURBIDITY VERIFICATION & PROBE TEMPERATURES

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Turbidity Standard	0.06	6.31	56.8	601
Field - Pre-sample	0.08	6.36	56.2	603
Lab - Post sample	0.05	6.35	56.6	602
Probes (+/- 0.2 °C)	Salinity	DO	pH	Notes
Verify Probe Temps	26.8	26.5	26.7	

sample cell 0.05

CHAIN OF CUSTODY INFORMATION

	# of samples	Relinquished to	Contact
Nutrients	2	NMS	YMS

Signature (Team Lead):

[Signature]

Printed Name:

Ylenia M St-Louis

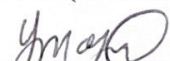
Sites with potential for freshwater flow: None

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Lana'i	Samplers (Last Name, 1st Initial)	Sharpe, M St-Louis, Y
Session	5		
Date	09/28/2023		

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
LMN230928-N-1	Mānele Bay	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0800	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
LHB230928-N-1	Hulopo'e Beach Park	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0816	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 M St-Louis