

Verifiers (post-sampling):

Post Date:

Post Time:

FIELD EQUIPMENT VERIFICATION PRE and POST at Weekly Sampling

Pre Date:

Pre Time:

Session No:

Verifiers (pre-sampling):

Q.A. Check	Inst #	Probe #	Last Cal Date			RE: tion Value		POST: ation Value	Acceptable Range	Comments/ Notes	QA.
Temperature	NIST		NIST Exp. Date	Std Val	NIST 32.3'C	NIST 32.2°C	NIST 3\.1°C	NIST 31.1°C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	(Sec.
	2 4 32	8	6/28/24		32.2	32.2	31.0	31.0			
Salinity	Meter #	Probe #	3 months	Std Val	Tap water	Saline Std 8 7 23 date 33.7 ppt	Tap water	Saline Std 8/7/23 date 33.7 ppt	± 1 ppt	Tap water – compare pre & post Values Salinity Std – compare to value on Salinity Std bottle	
V	3	7	8/7/23		0.18	34.0 33.5	0.18	34.2 33.7			
Dissolved Oxygen	Meter#	Probe #	1 year	Std Val	10	00%		100%	±5%		
	4	4 3	17 July 2023	-	185	2.2 8	101.		Marie Terrorito	Probe reads low % Tested 2 x	
Н	Meter#	Probe #	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 3	<i>6 5</i>	08/28/2 08/28/2	and the same of th	7.00	10.01	7.00	10-00		prohesisty recalibrated	adl
urbidity	Meter#	Probe #	3 months	Std Val	blank <0.1	Low 1-10 NTU	blank <0.1	Low 1-10 NTU	+ 0.18 NTU Low 1-10	in filld 2x. Just out of Compare to Gel LOW 1-10  Std Calibration Value	auti
	2 5		8/7/23		0.04	6.37	0.05	6.34 6.43	56.4 58.3	Spare Blank Pre= 0.05 Low Std = 6.54 Spare Blank Pre= 0.05	

NMS lab

Team	Kamaole	Samplers	Scott GARVES	Meters and P	robes ID		
Session	102	(Last Name, 1st Initial)	Sharpe, M.	HQ2200: 4		2100Q: 2	
Date	08/29/2023			pH: 6	DO: 4	Salinity:	y: 8

				Salinity	Dissolved	Oxygen			10.00	Peop	le (within	100 ft)
Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L) 5.2-7.0 normal	(%) 85-105 normal	pH 8-8.3 normal	Turbidit (NTU)	se se	water	beach	camp
Kalepolepo North NKN230829	N	8.00	25.8	33.9	6.37	94.2	8.02	3.49 59 2.51 3.84	3.41	0	>20 boats	Ø
Waipuilani Park KWP230829	N	8:35	25.6	34.0	6.43	94.3	7.94	6.57 6.54	6.60	102	2	B
Kihei South KKS230829	И	8:50	26.4	34.5	6.02	37.8	7.94	288 108	8.905	Ø	Ø	Ø
Kalama Park KKP230829	H	9:10	27.0	34.8	6.71	101.4	8.02	13.2 12.3		Ø	ø	Ø

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).

Use the back of the form if needed.

NKN: Several comoes a paddlers roaming the beach, while .

3.41, 3.49 Extra turbidity measurements
freq. small swell, no surf break: 5 TURBS

KWP: Ealm, sunny no shore break. water his sediment

\* PH reading low - tried Zx, rinsed w/distilled

KKS: calm, nowave, sunny, no shore break water brown w/seliments: BTVRBS

KKP: calm sunny, no shorebreak, water looks brown Wisediments. A TURBS. 12.9

\* Rainfall Up slope in Kula. no visible water flow in Kihei \*\* Potential ash tall from Kihei fires? Nothing visible Situa with protential for tresh water flags Alfield (checks ok)

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Turbidity Standard	0.04	6.31	56.8	601
Field – Pre-sample	0.06	6.35	56.1	600
Lab – Post sample	0.05	6.34	56.4	601
Probes (+/- 0.2 °C)	D.O	Salinity	pН	Notes
Verify Probe Temps	26.1	25.8	24.8	

	CHAIN OF CUSTO	DY INFORMATION	
	# of samples	Relinquished to	Contact
Nutrients	4	NMS	Sharpe

Signature (Team Lead):

Printed Name:

M. Sharpe

Hin O Ka War Ola - Sample Concessor Danishan

Team Kama	Samplers	traves, Scott
Session 102	(Last Name, 1st Initial)	Sharpe, Maile
Date 08/29		

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Vutrients							
NKN230829-N-1	Kalepolepo North	7		8.00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP230829-N-1	Waipuilani Park	⊄		8:35	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS230829-N-1	Kihei South	Ø		გ: 50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP230829-N-1	Kalama Park	Ø		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	

Signature (Team Lead):	Printed Name:	
GNF-	M. Sharpe	

Team	Wailea-Makena	Samplers			Meters and Pr	obes ID	No. of the second
Session	102	(Last Name, 1st Initial)	Crevier 0	Partley, Oc	HQ2200: 4	21	100Q: 2
Date	8/30/2023		-1.00.47	, Dening, D Jouse, B	pH: 6	DO: 4	Salinity: 8

	Freshwater	Tr.	T	Salinity	Dissolved	Oxygen			Peopl	e (within l	00 ft)
Location Name Sample ID	Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L) 5.2-7.0 normal	(%) 85-105 normal	pH 8-8.3 normal	Turbidity (NTU)	water	beach	camp
Cove Park KCP230830	N	8:00gw	. 26.6	33.5	6.73	1002	8.04	11.4 10.4 8.478	- 1	0	1
S Maluaka Beach MMB230830	N	8:30am	27.1	35.0	6.72	101.5	8.09	0.68 0.78 0.81	D	<b>6</b>	0
Ahihi Kinau North MAN230830	N	8:52an	268	35.0	739	111.0	8,09	2.67 4.84 2.74	0	0	G
Ahihi Kinau South MAS230830	N	9:08	26.8	34.9	6.88	103.6	807	0.92 0.90 0.83	0	8	0

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

KEP Cove park: 4th reading 10.0 Brownish water Sunny Lots of setment, calm, lots of surfur

MMBM alwaha: Very calm, sunny
MAN Ahihi N: Bigger wares than other sites. No people
4th realing 2.84
MAS Ahihi S: Some people on beach

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Turbidity Standard	0.04	6.31	54.8	601
Field – Pre-sample	0.64	6.33	56.1	602
Lab – Post sample	0.04	6.29	56.3	606
Probes (+/- 0.2°C)	D.O	Salinity	pН	War and A
Verify Probe Temps	26.3	26.6	76.6	

	CHAIN OF CUSTO	DY INFORMATION	
	# of samples	Relinquished to	Contact
Nutrients	4	KMS	Sharpe

Signature (Team Lead):	Printed Name:	
AC	Sharpe	

Sites with potential for freshwater flow: Cove Park

Spare 6.06

Team	Wailea-Makena	Samplers	(Revier, D	
Session	102	(Last Name, 1st Initial)	Bentley, D	
Date	08/30/2023	150 (1110.11)	Sousa, B	

Sample ID	Sample ID Location Name		Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
KCP230830-N-1	Cove Park	Ø		8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB230830-N-1	S Maluaka Beach	Ø		8.30	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		
MAN230830-N-1 Ahihi Kinau North		Ø		8:52	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS230830-N-1	Ahihi Kinau South	Þ		9:08	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
8 1			500 ml	
			500 ml	
			500 ml	
			500 ml	

Signature (Team Lead):	Printed Name:	
40	M Sharpe	

Team North Kihei	Samplers	Awolf, Baillargean H	Meters and Probes ID	
Session 102	(Last Name, 1st Initial)		HQ2200: 4	2100Q: 2
Date 08/31/2023		Keyhani, C	pH: 6 DO: 4	Salinity:

	Freshwater	TO:	-	Salinity	Dissolved	Dissolved Oxygen					People (within 100		00 ft)
Location Name Sample ID	Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L) 5.2-7.0 normal	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)	-	water	beach	camp
Maalaea Harbor NMH230831	N	7:35	24.8	35.4	6.63	97.1	8.06	1.78	2.03	1.81	Ø	0	2
Maalaea Condos NMC230831	N	8:19	24.6	34.0	7.70	111.8	8.11	6.94	3.32	10.4 TP	0	0	0
Haycraft Park NHP230831	N	8:39	25.2	35.6	7.23	106.6	8.12	3.05	2.70		0	1	0
Kealia Pond NKP230831	N	9:00	25.5	35.7	7.03	104.5	8.14	2.09	1.25	0.85	0	1	0
Kihei Canoe Club NKC230831	N	9:17	27.0	34.9	6.73	102.1	8.09	38.9	21.7	26.2	0	0	0

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).

Use the back of the form if needed.

NMH - Windy, Slight chop, clear skies

NINC - Windy., Slight chop, clear partly cloudy

+ used silicone oil to clean vial/redo reading

WMH \* no PH liquid/refiled.

NHP - less windy, slight chop, clear/purtly cludy

NKP - windy! Dust in air. Smells like manuer,

1ess than 1ft swell

NKC - Slight wind, Ift swell, brown water

clear skies

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1 80)	High (+/- 18)
Turbidity Standard	0.04	6.31	56.8	601
Field – Pre-sample	0.06	635	56.2	002
Lab – Post sample	0.05	6.34	56.4	600
Probes (+/- 0.2°C)	D.O	Salinity	pH	Notes
Verify Probe Temps	27,3	27.4	27.1	

	CHAIN OF CUSTO	DY INFORMATION	
	# of samples	Relinquished to	Contact
Nutrients	5	NMS	chud

Signature Team Lead:

Printed Name:

Ylenia M St-Louis

Sites with potential for freshwater flow: Maalaea Harbor, Maalaea Condos, Kealia Pond, Canoe Club

Team	North Kihei	Samplers	WOLF, A	
Session	102	(Last Name, 1st Initial)		
Date	08/31/2023		Keyhani C Ballapgean, H	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NMH230831-N-1	Maalaea Harbor	.⊿		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC230831-N-1	Maalaea Condos	os					
NHP230831-N-1	NHP230831-N-1 Haycraft Park			8:39	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP230831-N-1 Kealia Pond		Z		9:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC230831-N-1	Kihei Canoe Club	Ø		9:17	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
			500 ml
	Annal Comment		500 ml
			500 ml
			500 ml

Printed Name:
Ylenia Mayer St-lais