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



Verifiers (pre-sampling)? Pre Time: Verifiers (post-sampling): Post Time: Session No: Pre Date: 1. Stark Mi Brown 4/21 POST: QA/QC Last Cal PRE: Probe Acceptable Range Comments/ Notes QA? Inst# Verification Value Verification Value Check Date NIST **NIST NIST** NIST Std **NIST** ± 0.6 °C of NIST Compare to NIST Std value in tap water Temperature n/a 26.10 25.0 ℃ 75.0 ℃ Val lemp in lab 26.9° Pact 25.9 24.9 n/a Z 24. 8 n/a Salfin Std ZZJate 35.0 ppt Salin Std 1 2 200 e Tap water - compare pre & post values Tap water Tap water Std Salinity ± 1 ppt Salinity Std - compare to value on 3 months Val 34 8pt Salinity Std bottle 35.4 34 11/16/20 .34 35.1 Std Dissolved 100% 100% ± 5 % 1 year Oxygen Val 99.0 2/20 100.5 Std $\pm 0.1 \, pH \, of$ Compare to Manufacturer pH Std value on pH 7.00 pH 10.00 pH 10.00 pH 7.00 pH 3 weeks pH std value bottle Val 9.99 7.05 7.02 7.02 10.00 Std **BLANK** BLANK LOW 1-10 LOW 1-10 +0.18 NTU Compare to Gel LOW 1-10 Turbidity 3 months < 0.1 Val < 0.1 Low 1-10 Std Calibration value NTU NTU 0.06 6.54 n/a 0.08 n/a

QA: * Are pre- and post within one week?

* Delay times are ok?

* Other equipment issues?

Team	Kamaole	Samplers	me, Cyll MAKGIB		Meters and Probes ID			
Session	57	(Last Name, 1st Initial)	Cyl MARGIB	5.5	HQ40d: 1		2100Q:	1
Date	1/5/21		Foll Crives		pH: 3	DO:24		Salinity: 1

	Q.			Salinity	Dissolved	l Oxygen			T		Entero	People	(within	100 ft)
Location Name Sample ID	Streams Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)		CFU	water	beach	camp
Kalepolepo North NKN210105	N	7:58	25.1	35.1	6.84	82.3	8.08	0.63	0.71	0.81		0	0	0
Waipuilani Park KWP210105	N	8:12	24.1	32.9	6.30	89.7	8.12	12.2	12.7	12.8		0	L	0
Kihei South KKS210105	N	8:30	24.8	34,3	6.22	90.3	8,10	3.20	3.37	3.18		0	7	0
Kalama Park KKP210105	N	8:45	25.0	34.8	6.42	94.0	8.14	6.81	6.94	6.63		0	5	0
Cove Park KCP210105	N	8-67	25.8	34.6	6.01	89.0	8.]]	0.94	0.69	0.93	-	0	2	0

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

1.09 Check on Turb.

*Sites no longer sampled -, Mai Poina Oe Ia'u,

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.09	660	58.6	593
Pre-sampling	0.10	6.61	18.0	596
Post-sampling	0.08	6.67	58.4	594

	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	145 -	11 Karn

Signature (Team Lead):	0	Printed Name:
	Ka	Mitch Drown
- Mun	18/11	11000

Team	Kamaole	Samplers	Hocht H
Session	57	(Last Name, 1st Initial)	CYPR
Date	1/5/21		Chr M Crasec S

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN210105-N-1	Kalepolepo North	O O		7:58	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP210105-N-1	Waipuilani Park			8!12	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS210105-N-1	Kihei South	ø		8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP210105-N-1	Kalama Park	B		8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP210105-N-1	Cove Park	Ø		8:57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
					125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Signature (Team Lead): Printed Name:

My My Brown

Team	Wailea-Makena	Samplers	M. 5	harpe,	B.	Sousa	Junning	Meters and Pro	bes ID		
Session	57	(Last Name, 1st Initial)						HQ40d: 1		2100Q:	I
Date	01/06/21	, , , , , , , , , , , , , , , , , , ,						pH: 3	DO:2		Salinity: I

				Salinity	Dissolved	Oxygen					Entero	Peopl	e (within	100 ft)
Location Name Sample ID	Streams Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)	2 H2	CFU	water	beach	camp
Kilohana Dr WKD210106	N	8:03	24.8	35.5	6.70	98.1	8.10	0.81	0.87	0.99		Ŋ	3	Ø
Keawakapu Beach WKB210106	N	8:23	25.1	35.5	6.64	97.7	8.11	1,49	1.32	1.32		Ø	4	Ø
Ulua Beach WUL210106	N	8:39	25.5	35.5	6.69	99.2	8.12	1.08	0.86	0.97	-	2	2	Ø
S Maluaka Beach MMB210106	Ν	9:05	25.3	35.4	6.80	100.5	8.15	1.42	1.41	1.35	a ——	1	6	Ø
Ahihi Kinau North MAN210106	N	9:27	25.2	35.4	6.90	101.7	8.05	0.69	0.65	0.72		3	Ø	Ø
Abihi Kinau South MAS210106	N	9:50	25.3	35.6	6.35	94.0	8,09	1.19	1.14	1.09	_	5	12	Ø

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

* second blank pre sample done: 0.31

TURBIDITY VER	RIFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.08	660	58.6	593
Pre-sampling	0.37*	6.55	57.6	595
Post-sampling	0-08	6.55	58.3	583

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	6	dHS	111 Bron
Bacteria	-	-	-

Signature (Team Head): Printed Name: Brown

Team	Wailea-Makena	Samplers	Shanne-W
Session	57	(Last Name, 1st Initial)	Sharpe M. Sousa B.
Date	01/06/21	13t Ilitialy	Dunning T.
			Juning

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
WKD210106-N-1	Kilohana Dr			8.03	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB210106-N-1	Keawakapu Beach	8		8:23	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL210106-N-1	Ulua Beach	3		8:39	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB210106-N-1	S Maluaka Beach	1		9:05	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN210106-N-1	Ahihi Kinau North	d		9:27	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS210106-N-1	Ahihi Kinau South	न्त		9:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

Signature (Team Lead):	Printed Name: / /
WHIT I	MILL
11/1/1/2/11	Mught from
7	

Team North Kihei Samplers
(Last Name, 1st Initial)

Session 57

Date 01/07/21

Samplers (Last Name, 1st Initial)

BAHN, F.

Meters and Probes ID

HQ40d: 1 2100Q: 1

pH: 3 DO: 2

				Salinity Dissolved Oxygen					Entero	Peopl	e (within	100 ft)		
Location Name Sample ID	Streams Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)		CFU	water	beach	camp
Maalaea Harbor NMH210107		0755	24.2	34.9	6.19	89.6	8.11	1.27	1.09	1,37		ð	3	0
Maalaea Condos NMC210107		0820	24.1	33.6	6.75	96.8	8.03	1.76	1.85	1.88		0	1	0
Haycraft Park NHP210107		0840	24.6	34.6	6.50	94.7	8.11	2.59	2.29	2.46	3	0	-1	0
Kealia Pond NKP210107	N	0905	24.7	35,6	6.80	99.9	8.18	0.47	0.44	0.44	66D	Ó	0	O
Kihei Canoe Club NKC210107		0920	25.6	34.8	6.66	98.7	8.14	6.64	0.64	0,67		0	6	0

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

HOGO & AL METER CONTENUES TO SHIT OFF WHEN READ BUTTON PRESSED TOU HARD. ALWAIS WORKS OKAT ON SECOND TAT.

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.09	6.60	58.6	583
Pre-sampling	6.09	6.61	58.0	592
Post-sampling	0.06	6.54	58.2	593

CHAIN OF CUS	STODY INFORMATION	ON	4.
	# of samples	Relinquished to	Contact
Sediment	-	• • • •	- 2
Nutrients	5	des	MBrown
Bacteria	-	-	-

Sites with stream outflow: Kealia

Signature (Team Lead): Printed Name:

Much Brown

Salinity: 1

Team	North Kihei	Samplers	Burnette	-G.	
Session	57	(Last Name, 1st Initial)	01	الح	
Date	01/07/21	7	Bahr	1.	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients			•				
NMH210107-N-1	Maalaea Harbor	Ø		7:53	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC210107-N-1	Maalaea Condos	a		8:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP210107-N-1	Haycraft Park	D/		8:40	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP210107-N-1	Kealia Pond			9:05	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC210107-N-1	Kihei Canoe Club	0		9.20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

Signature (Team Lead):	Printed Names / /
	Mitch Brown
/ Class In	In MICHE DIOWN