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



Session No: Verifiers (pre-sampling): Pre Date: Pre Time: Verifiers (post-sampling): Post Date: Post Time: 59. W. Brown | Stewl 1/5/2/3:45 M. Brown 2/18/2 /0:15 am

QA/QC Check	Inst#	Probe #	Last Cal Date		PR Verificat	RE: ion Value		ST: ion Value	Acceptable Range	Comments/ Notes	QA?
Temperature .	NIST 7/8/2/	n/a	n/a	Std Val	<u>NIST</u> 26.8℃	<u>NIST</u> 76.7℃	<u>NIST</u> 23.5 ℃	NIST °C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	<i>i</i>	1	n/a		26.6	2//	23.3	*		those on als before	26:
Salinity	/		n/a 3 months	Std Val	Tap water 0-3a	\$alin Std 11   Z Odate 35.0ppt	Tap water	Salin/Std 11/21/2000 35 Oppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	25
	1	1	थाड्य यात्र्य		0.32	34.9 34.9	0.32	35.2			
Dissolved Oxygen			1 year	Std Val	10	0%	10	0%	± 5 %		
	1	1	11/2/20			7.0	94				
рН			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	
	1	3	2/15/21		7.01	9.99	7.02	10.01	*		
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10	BLANK <0.1	LOW 1-10 NTU	± 0.18 NȚU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	1	n/a n/a	11/16/21		0.06	6.41	0.07	6.67		std 6,60	

Lab: DHS

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

\* Delay times are ok?

\* Other equipment issues?

Team	Kamaole	Samplers	Cyr. MARGIE 97.7	Meters and Probes ID		
Session	59	(Last Name, 1st Initial)	CYR, RICK 97.0	HQ40d: 1	2100Q: 1	
Date	2/16/21		HECHT, HARRY 97.1	pH: 3 DO: 1	Salinity: 1	

	Stucamo	<b></b>		Salinity	Dissolved	Oxygen	-11		Turbidity		Entero	People	(within 1	00 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	(NTU)			CFU	water	beach	camp
Kalepolepo North NKN210216	$\sim$	7:55	24.9	35.2	6.48	95.5	8.09	4.25	4.20	4.68	/	0	0	0
Waipuilani Park KWP210216	N	8:20	25.3	35.4	6.50	96.3	8.69	15.4	162	16.9	/	0	ï	0
Kihei South KKS210216	N	8.39	25.2	34.9	6,50	96.2	8.09	5.85	5.97	6.17	/	0	0	0
Kalama Park KKP210216	N	9:07	25.3	35.5	6.62	98.4	8.12	11.4	11.3	11.5	/	Z	2	0

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

Use the back of the form if needed.

KWP: 825-828 (7) ches melor KKS: 8:43-845 (water ing KKP: 902-905) reading High Surf today

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

\$ 6.48

Blank VIAL = KKP

on low Standard took 2nd reading after cleaning

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.06	6-60	586	593
Pre-sampling	0.07	6.56	58.0	595
Post-sampling	0.06	6-75	57.9	598

	# of samples	Relinquished to	Contact
Sediment	-,	- /-	ō
Nutrients	4	148	MBn

Signature (Team Lead):

Printed Name:

Team	Kamaole	Samplers	M. Cop	H. Hecht
Session	59	(Last Name, 1st Initial)	5. graves	•
Date	2/16/21		12. Cyr	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients			,	, , ,			
NKN210216-N-1	Kalepolepo North	ß		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP210216-N-1	Waipuilani Park			8:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS210216-N-1	Kihei South	<b>B</b>		8:39	125 mi	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP210216-N-1	Kalama Park	<b>a</b>		9:07	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Signature (Team Lead): Printed Name: Rom.

Team	Wailea-Makena	Samplers	B. Souza, J. Dunning	Meters and Pro	bes ID		
Session	59	(Last Name, 1st Initial)	J	HQ40d: 1		2100Q:	1
Date	02/17/21			pH: 3	DO: 1		Salinity: 1

				Salinity	Dissolved	Oxygen					Entero	Peopl	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	
Cove Park KCP210217	N	8:41	24.5	34.1	6.78	98.0	8.10	3.98	3.54	4.11		+50	20	Ø
S Maluaka Beach MMB210217	N	9121	24.9	35,3	6.82	106,2	8.15	2.33	2.05	2.50		2	6	Ø
Ahihi Kinau North MAN210217	N	9:47	24.9	35.3	6.91	101.Z	8.08	1.00	1.01	1.10		3	Ø	Ø
Ahihi Kinau South MAS210217	N	10:06	25.0	35.0	6.67	98.0	8.69	2.12	2.88	2.64		3	2	p

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

TURBIDITY VERIFICATION									
	Blank (must be <0.10)	Low	Med	High					
Standard	0.06	6.60	58.6	593					
Pre-sampling	0.18	6.64	57.8	594					
Post-sampling	0.07	6.64	58.3	593					

CHAIN OF CUSTODY INFORMATION									
	# of samples	Relinquished to	Contact						
Sediment	-	-	-						
Nutrients	4	DHS	T. Stark						
Bacteria	-	-	Y=						

Signature (Team Lead): Printed Name:

Team	Wailea-Makena	Samplers	B. Souza, J. Dunning
Session	59	(Last Name, 1st Initial)	
Date	02/17/21		

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments		
Nutrients									
KCP210217-N-1	Cove Park	12/		8:41	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters			
MMB210217-N-1	S Maluaka Beach	DZ		9:21	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters			
MAN210217-N-1	Ahihi Kinau North	tt		9:47	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters			
MAS210217-N-1	Ahihi Kinau South	Þ		10:06	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters			
Sediments							<del> </del>		
	<del></del>	T	<u> </u>	T	<u> </u>		<del></del>		
					500 ml				
					500 ml				
					500 ml				
					500 ml				

Signature (Team Lead):	Printed Name:	
dicia Sah	Tiara Stark	

Team	North Kihei	Samplers	BURNETTE, G. WOLF, A	Meters and Pro	bes ID		
Session	59	(Last Name, 1st Initial)	Drush to	HQ40d: 1		2100Q:	1
Date	02/18/21		COS 1 13 MILL 1 .	pH: 3	DO: 1		Salinity: 1

				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 NMH210218		0750	24.2	34.9	6,37	92.3	8.13	-	2.08		0	Ó	0
Maalaea Condos NMC210218		0816	24.4	34.4	6.89	99.9	8.07	476 4.94 5	5.10		0	4	0
Haycraft Park NHP210218		0830	24.6	34.5	6.62	96.4	8.10	5.92 5,89 5	.77		Ŏ	10	0
Kealia Pond NKP210218	N	0850	24.1	35.5	6-88	100-4	8.16	1,53 660 E	-51		0	1	0
Kihei Canoe Club NKC210218		0910	25.1	35.0	6.75	99.3	8.15	1.49 1.56 1.	.56		0	0	6

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

HA 40 d METER WOULD NOT OPERATE UNLESS ADDITION PRESSURE TO THE BATTERT CASE WETH ONE HAND WHILE PRESSURE READ BUTTON WETH THE OTHER HAND.
OTHERWISE IF JUST PRESSUR READ BUTTON, IT WOULD SHUT OFF WHICH IT DED ABOUT 10 TEMES.

Sites with stream outflow: Kealia

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.07	6.60	58.6	593
Pre-sampling	0.06	6.68	58.0	595
Post-sampling	0.07	6.67	58.2	598

	# of samples	Relinquished to	Contact
Sediment		-,	-
Nutrients	5	1.45	M Brown
Bacteria	-	-	-

Signature (Yeam/Lead):	Printed Names
mitter His	Mich Brown
ff was	The Dre Great

Team	North Kihei	Samplers	6. Burnelle
Session	59	(Last Name, 1st Initial)	Bahr Fy
Date	02/18/21		wolf A

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients						•	
NMH210218-N-1	Maalaea Harbor			7:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC210218-N-1	Maalaea Condos	2		8.10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP210218-N-1	Haycraft Park			81.30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP210218-N-1	Kealia Pond	2	<u> </u>	8,50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC210218-N-1	Kihei Canoe Club	<b>2</b>		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments	<u>, , , , , , , , , , , , , , , , , , , </u>						
	T	<del></del>	T		· · · · · · · · · · · · · · · · · · ·		T
			0		500 ml		
		0			500 ml		
					500 ml		
					500 ml		

Signature (Team Lead	<del>1):</del> //	Printed Name://	1 ~
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// ///////	)10h	_ ///////	C DIOWN
	<del></del>	•	