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



C · M	Varificus (nuo compling)	Pre Date:	Pre Time:	Verifiers (post-sampling):	Post Date:	Post Time:
Session No:	Verifiers (pre-sampling):	Tie Date.	10.7	TOTAL MEDINA	11/5/20	9045 am
T W	I Church and in Brown	11/7/20	0); (0	1.51ara, 11.0.000	1. 1.	

QA/QC Check	Inst#	Probe	Last Cal Date		PR Verificati		PO Verificati		Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	EXP: 7/2021	Std Val	<u>NIST</u> 27.9°C	<u>NIST</u> 27.9 ℃	<u>NIST</u> °C	NIST 27.6c	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	1	7	n/a		27.7		_			KIT: 7 /2021	
		(n/a			77.8		27.4		,	1 1 1 1 m
Salinity		3 months	Std Val	Tap water	Salin Std 9 2025date 35 oppt	Tap water 0.30	Salin Std 9/2025 date 135, Oppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle		
	1	2	11/10/20		,33	34.6	0.33	34.7		USED NIST STO. EXP 9/3	203
		1	11/10/20		.34	311-2				Opered 11/2/20)	
Dissolved Oxygen			1 year	Std Val	10	0%	10	0%	± 5 %		
	1	2	11/2/20		99.	9	100	-4			
	l	ı	11/2/20		106.	4					
pН			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	1110-111
	1	724	11/2/20		7.00	9.97	7.01	9.98			
<u> </u>	1	3	11/2/20		6.99	9.96					
Turbidity			3 months	Std Val	<u>BLANK</u> <0.1	LOW 1-10	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)10/20		0.08	6.31	0.09			5+0. 6.31	9
	1	n/a	8/21/2		0.05	6.53			9	Std. 6.60	

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

* Delay times are ok?

* Other equinment issues?

used \$2 meter for post venification

Team	Kamaole	Samplers	GRAVES, 8. 34,9	Meters and Probes II	
Session	54	(Last Name, 1st Initial)	HECAT, H. 97.0	HQ40d: 2	2100Q: 2
Date	11/3/20		Cyr. M. 92.3	pH: 4 DO	Salinity: 2

			1	Salinity	Dissolved	Oxygen		200	TL!3!4		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		Turbidity (NTU)		CFU	water	beach	camp
Kalepolepo North NKN201103	N	7:47	27.0	34.9	5.82	88.7	8.11	1,88	2.63	2.34	4	2	5	Ø
Waipuilani Park KWP201103	N	8107	26.4	33.1	5,96	8911	8.04	21.6	24.2	21.1		0	I	8
Kihei South KKS201103	1	8:18	27.4	34.3	5.9	90.2	8,10	3.10	3.32	3.46		j	6	0
Kalama Park KKP201103	N	8:36	2715	34.4	598	91.6	8.08	2,85		3.40		0	6	6
Cove Park KCP201103	N	8:52	27.2	34,0	5.79	88,1	8.09	2,76	2.79	3.99		0	4	8

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

21,4

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

TURBIDITY VER	IFICATION			
4.5	Blank (must be <0.10)	Low	Med	High
Standard	0.08	6.31	55.6	564
Pre-sampling	0.09	4.30	53.8	564
Post-sampling	0.09	6.35	55.9	564

	# of samples	Relinquished to	Contact
Sediment	-	- /	Ō
Nutrients	5	des	MBrown

CIMILE OF SWA	Signature (Feam Lead):	Printed Name: Mitch Brown
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Team	Kamaole	Samplers	Grays S.
Session	54	(Last Name, 1st Initial)	Aceks It
Date	11/3/20		CXIL R

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
utrients							
NKN201103-N-1	Kalepolepo North	Ø		7:47	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP201103-N-1	Waipuilani Park	d		8:07	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS201103-N-1	Kihei South	2		8:18	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP201103-N-1	Kalama Park	0/		8:36	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP201103-N-1	Cove Park	Ø		8:52	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	

Sediments					
			500 ml	3 3 ·	,
			500 ml		
5			500 ml		

Signature (Team Lead):	Printed Name:
Matter 11 1	Mitch Prince
Man Office	IIIII Drown

Team	Wailea-Makena	Samplers	J. Dunning, B. Sousa, A. Wolf	Meters and Pr	obes ID		
Session	54	(Last Name, 1st Initial)		HQ40d: 2		2100Q:	2
Date	11/04/20			pH: 4	DO: 2		Salinity: 2

			Salinity Dissolved Oxygen					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
Kilohana Dr WKD201104	N	7:54	27.1	35.1	6.54	99.9	8.12	0.74	0.920	.92		p	5	Ø
Keawakapu Beach WKB201104	N	8:14	27.3	35.2	6.45	98.9	8,11	0.65	0.60 0	.79		ϕ	2	Ø
Ulua Beach WUL201104	N	8:28	27.2	35.1	6.53	99.9	8.13	0.93	0.92 0	0.90		3	4	Ø
S Maluaka Beach MMB201104	N	8:50	27,2	35.2	6.33	96,9	8,13	0.49	0.520	.40		2	3	Ø
Ahihi Kinau North MAN201104	N	9:12	26.9	35.0	6.74	102.4	8.03	1.17	1.051	.19		Ø	2	Ø
Ahihi Kinau South MAS201104	N	9:30	27.2	34.8	6.37	97.5	8.06	1,51	1.46 1.	70		Ø	a	Ø

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

Use the back of the form if needed.

HD40D(z) having trouble turning on. Turn + on, Id batteries and then it Worked.

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.09	6.31	55.6	564
Pre-sampling	0.10	6.30	55.6	565
Post-sampling	0.08	6.36	55.7	565

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	6	DHS	T. Starle
Bacteria	-	-	-

Printed Name: Signature (Team Lead): Tiara Stack

Team	Wailea-Makena	Samplers	J. Dunning	A. Wolf	
Session	54	(Last Name, 1st Initial)	B. SOU Za		
Date	11/04/20				

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
utrients							
WKD201104-N-1	Kilohana Dr	Ø		7:54	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB201104-N-1	Keawakapu Beach	0		8:14	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL201104-N-1	Ulua Beach	A		8:28	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB201104-N-1	S Maluaka Beach			8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN201104-N-1	Ahihi Kinau North	10		9:12	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS201104-N-1	Ahihi Kinau South	Ð		9:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
		50	00 ml	
		50	00 ml	
		5	00 ml	
		5	00 ml	

Signature (Team Lead):	
di mella	
d.0 200	

Printed Name:
Tiava Stavh

* HQ40d #2 not working vallably

Team North Kihei		Samplers	T. Wildberger	Meters and Probes ID	
Session	54	(Last Name, 1st Initial)	T. Stark	HQ40d: 2X 2	2100Q: 2
Date	11/5/20	1St Initial)	F. Bahr	pH: 4 DO: 2	Salinity: 2

			11 300	G 11 14	Dissolved	Dissolved Oxygen					Entero	People (within 100 ft)		
Location Name Sample ID	Streams Flowing (Y/N)	Time (of collection)	Temp (°C) variable	Salinity (ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)		CFU	water	beach	camp
Maalaea Harbor NMH201105		7:51	26.7	34.7	6.02	91.1	8.11	1.0)	1.15	1.07		D	0	0
Maalaea Condos NMC201105		8:09	26.8	34.6	6.53	99.1	8.05	9.06	8.55	9.27		0	0	0
Hayeraft Park NHP201105		8:26	27.0	34.7	6.48	98.7	8.10	12.1	11.4	12-1		0	0	0
Kealia Pond NKP201105		8:46	27.1	35.1	6.55	100.1	8.14	1.86	1.51	1.38		0	0	0
Kihei Canoe Club NKC201105		9:00	27.7	35.0	6.39	98.7	8.13	2.90	3.98	3.41		2	3	

					Commence of the Commence of th
NOTES	AND COMMENTS	(trends	, equipment	problems,	errors, concerns).
Use the h	ack of the form if nee	eded.			

SUNNY, CLEAR, NO WIND

NMC- HIGHTIDE 1.5'S. SWELL

* NEW ENTRY SITE 25 YARDS E. OF STEPS
TALLEST PALMTREE

NHP - CRAZY FLIES SMAULER SWELL

NKP - FLAT

NKC. SMALL SWELL 4.50 -> 4th tobidity reading - some suspended material in the bottle

Sites with stream outflow: Kealia

TURBIDITY VER	IFICATION		S. Ber	
	Blank (must be <0.10)	Low	Med	High
Standard	-0.08-08	6.31	55.6	564
Pre-sampling	012	6,36	55.2	564
Post-sampling	0.09	6.38	55.5	565

	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	DHS	T. Stark
Bacteria		-	-

Signature (Team Lead): Printed Name:

Roque ware socked record teaper (sorry)

Team	North Kihei	Samplers (Last Name, 1st Initial)	T Wildberger					
Session	54		T. Star	T. Starh				
Date	11/5/20		t- 050/17					

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NMH201105-N-1	Maalaea Harbor	Ù		7:51	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC201105-N-1	Maalaea Condos			8:09	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP201105-N-1	Haycraft Park	0		8:26	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP201105-N-1	Kealia Pond	□⁄		8:46	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC201105-N-1	Kihei Canoe Club	Q		9:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments							
					500 ml		
					500 ml		
					500 ml		
			0		500 ml		

Signature (Team Lead):	Printed Name:	
front	Tiarastar	