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



Session No: Verifiers (pre-sampling): Pre Date: Pre Time: Verifiers (post-sampling): Post Date: Post Time: 53 Me Brown 1. Starte 10/12/20 10:15

QA/QC Check	Inst #	Probe #	Last Cal Date			RE: tion Value		OST: tion Value	Acceptable Range	Comments/ Notes	QA
Temperature	NIST	n/a	n/a	Std Val	NIST 28.6°C	NIST 28.6°C	NIST °C	NIST 26.7°C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
- 10	1		n/a		78.4						
		2	n/a			28.4		26.6			
Salinity			3 months	Std Val	Tap water	Salin Std ////Zdate 35_Oppt	Tap water	Salin Std 13 2 date 35.0 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
		2	8/10/20		.34	35.1 35.2	25.1 0.34 4.5.	35.2		used Hack Std	
Dissolved Oxygen			1 year	Std Val		0%		0%	± 5 %		
	1	1	191419		9	8.8		_			
		2	1418/19		10:	3.8	104	1,0			
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	
		3	10/12/20		6.99	9.99	7.00	9.98			
		4	10/12/20		7.01	9.97		_			
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10 NTU	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	1	n/a	8/31/20		FO.0	6.58	80.0	6.55		#1 low std: 6.60	
	2	n/a	8/10/20		0.08	6.39	_			#2 low Std: 6.31	

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

\* Delay times are ok?

\* Other equinment issues?

Team Kamaole	Samplers GKAVES 3. 17.	Meters and Probes ID	
Session 53	(Last Name, Cyl, R. 97.7	HQ40d: 1 2100Q: 1	
Date 10/13/20	C4R, M. 97.7		linity: 1

Logotion Name	Streams	Time		Salinity	Dissolved	d Oxygen	pН		Tunkidia		Entero	People	(within	100 ft)
Location Name Sample ID	Flowing (Y/N)	(of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	8-8.3 normal		Turbidity (NTU)		CFU	water	beach	camp
Kalepolepo North NKN201013	N	0750	27.2	33:4	5.82	88.5	8.10	2,36	2.69	3.01		6	14	0
Waipuilani Park KWP201013	N	0807	25.9	31.9	6.18	91.2	8,05	14.4	15.7	15.7		0	·O	0
Kihei South KKS201013	N	0825	27.2	34.0	5,33	8113	8.07	4.43	4.51	5.10		0	0	0
Kalama Park KKP201013	N	0845	26.9	34.1	6.29	95.5	8,10	7513	7.43	8.14		6	0	0
Cove Park KCP201013	$\sqrt{}$	0902	27.8	32.0	Gr 18	94.0	8108	4.38	5.59	5,98		6	0	0

NOTES AND COMMENTS (trend	s, equipment problems.	errors concerns	(2
Use the back of the form if needed.		orrors, concerns	.,.

KCP - DOG IN WATER

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

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.07	6.60	58.3	576
Pre-sampling	0.08	6.70	58,1	514
Post-sampling	0.09	10,50	58.1	574

	# of samples	Relinquished to	Contact
Sediment	-	-,	
Nutrients	7	dus	Morour

Signature (Team Lead):/	Printed Name:
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Mulling	- Mules proup
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Team	Kamaole	Samplers	graves S.
Session	53	(Last Name, 1st Initial)	Cyr R.
Date	10/13/20		Cyr M.

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN201013-N-1	Kalepolepo North			7:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP201013-N-1	Waipuilani Park			8:07	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS201013-N-1	Kihei South	3	9	8.25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP201013-N-1	Kalama Park			8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP201013-N-1	Cove Park	D		9:02	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	
	-		500 ml	
			500 ml	

	Signature (Yeam Lead):	Printed Name:	7
	111 411		1
		IIIIACH Karan	1
	My M	- Miller STOWN	1
5 7 4			-

Team	Wailea-Makena	Samplers (Last Name,	N. Shorpe	J.	Dunning	Meters and	Probes ID	
Session	53	1st Initial)	A-Wolf		0	HQ40d: 1		2100Q: 1
Date	10/14/20		71-0001			pH: 3	DO:Z	Salinity: 1

	Streams	Time	Temp	Salinity	Dissolved	l Oxygen					Entero	Peopl	e (within	100 ft)
Location Name Sample ID	Flowing (Y/N)	(of collection)	(°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)	aw	CFU	water	beach	camp
Kilohana Dr WKD201014	N	6100	27	35.0	6.65	10/8	8.12	1.41	1.47	1.42		1	2	Ø
Keawakapu Beach WKB201014	PN	8:21	27.5	35.2	6.68		8.13	0.52		0.54		3	2	đ
Ulua Beach WUL201014	PN	8:37	27.4	34.6	6.55	100.5		1.54	192	1.65		3	2	Ø
S Maluaka Beach MMB201014	N	8',59	27.6	34,3	6.49	99.7	8.11	0.78	084	5,90		Ø	Ø	Ó
Ahihi Kinau North MAN201014	Ŋ	9:18	27.6	34.8	7,58	116.9	8.14	1.07	1.06	1018		Ø	Ø	Ø
Ahihi Kinau South MAS201014	N	9:38	27-6	34.6	6.81	1054	• 1	1.26	1.28	1.29		0	0	B

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

WKD second ready

MAN second ready

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.09	6.60	58.3	576
Pre-sampling	0.06	4.52	57.7	575
Post-sampling	0.09	6.57	57.9	575

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

Signature (Team Lead):

Printed Name:
Tiarastarh

Team	Wailea-Makena	Samplers	N. Shorpe	J. Dunning	
Session	53	(Last Name, 1st Initial)	A. Wolf	J. 100411/11.	
Date	10/14/20		F1- VVVIT		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
WKD201014-N-1	Kilohana Dr	8		8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB201014-N-1	Keawakapu Beach	2		8:21	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL201014-N-1	Ulua Beach	0		8:37	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB201014-N-1	S Maluaka Beach	□ ✓		8:59	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN201014-N-1	Ahihi Kinau North	0		9:18	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS201014-N-1	Ahihi Kinau South			9.38	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
	T T						
					500 ml		
					500 ml		
					500 ml		
					500 ml		

Signature (Team Lead);	Printed Name:	
fronth	Tiary Sanh	

Hui O Ka Wai Ola - Sample Collection Datasheet

Team North Kihei Samplers BUKNETTE G WILDBERGER, 1 Bahr, Flo Meters and Probes ID (Last Name. Session 53 1st Initial) HO40d: 1 21000:1 Date 10/15/20 DO: + 2 663 pH: 3 Salinity: 1

Londin N	Location Name Streams Time	Temp	Town Salinity	Dissolve	Dissolved Oxygen				Entero People (within 1		100 (4)			
Location Name Sample ID	Flowing (Y/N)	(of collection)	(°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)	CFU	water	beach	camp	
Maalaea Harbor NMH201015	N	4:50	26.9	34.4	4.30	95.9	8.17	1.87	1.80	100		5		*
Maalaea Condos NMC201015		8:10	27.2	33.2	7.00	100.2	6 -	1 1 2		1.88		B	Ø	Ø
Haycraft Park NHP201015		8:28	27,0	34.4	6.85	,	8,05	1.63		1.52		0	8	X
Kealia Pond NKP201015	N	8:52				104.7	8.10	4.31	4.31	7.11	In-	0	2	8
Kihei Canoe Club	1	9:12		21.1	6.74	204.0	8.14	1.35	3.08	1.22		2	)	Ø
NKC201015		1.70	28.0	34.4	6.54	201.3	8.09	2.06	3.44	2.60		Q	i	0

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

NMC- Lowfide - nocky entry - consider safer entry 30° NKC - 3.08 2nd reading discarded

Weather: Sunm, chy, Calm, suf 1' Sites with stream outflow. Kealia

TURBIDITY VER	GEICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.09	6.60	58.3	576
Pre-sampling	0.12	6.59	67.9	576
Post-sampling	0.08	6.56	58.0	575

	# of samples	Relinquished to	Contact
Sediment	-	-	
Nutrients	6	DHS	T. Stark
Bacteria		0112	1.31

Signature (Team Lead): Printed Name:

6'5D 104AS: Addit disting trinse bother of DO. 1 SALINITY Set-up in prosenger side of Veh.

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Team	North Kihei	Samplers	Burrette, G.	
Session	53	(Last Name, 1st Initial)		Wildberger, T.
Date	10/15/20		Bahr, F.	1100

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
lutrients							
NMH201015-N-1	Maalaea Harbor	∀		7:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC201015-N-1	Maalaea Condos	<b>d</b>		8:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP201015-N-1	Haycraft Park	0		8:28	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP201015-N-1	Kealia Pond	Q/		8:52	125 ml	TY7 1 1 1 1 1 1	Duplicate Nsar
NSB201015-N-1	Sugar Beach				125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Duplicate NSAr No longer Sumple
NKC201015-N-1	Kihei Canoe Club	D/		9:12	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
diments							
					500 ml		
					500 ml		
					500 ml		
					500 ml		

Signature (Team Lead):	Printed Name:	
diasth	Tiara Stark	