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



**Post Time:** Verifiers (post-sampling): Post Date: Pre Time: Pre Date: Verifiers (pre-sampling): Session No: 10:00 au 9/3/20 10:15 am K. Stark, N. Brown 51

QA/QC Check	Inst#	Probe #	Last Cal Date			RE: ion Value	POS Verificati		Acceptable Range	Comments/ Notes	QA?
emperature	NIST	n/a	n/a	Std Val	NIST 27.60℃	NIST 27.6 °C	NIST 27.9°C	NIST °C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	1	1	n/a	U	77.5		28.0				
	1	2	n/a			27.4					
Salinity			3 months	Std Val	Tap water	Salin Std Mazodate 38.0 ppt	Tap water	Salin Std ///3/Z2 date 35.6 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	j	1	8/10/20		0.24	35.1	0.34	35.2		topwater typufliklis a	arel
	1	2	8/10/20		0.34	35,0				Used Half Stal fer	ven
Dissolved Oxygen			1 year	Std Val	10	00%	100%		± 5 %		
	/	1	10/18/19		98	3.8	9,	9.3			
	/	2	10/18/19		104	5.1	_				
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	
3	1	3	9/1/20		6.97	9.95	6.98	9.92			
4	1	4	9/1/00		201	9.97					
		-	3 months	Std Val	BLANK <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	
Turbidity	1						-	Or other Designation of the last of the la		C14- 1 C.O	
Turbidity	i	n/a	8/31/20		10.04	6.63		-		Std: 6.00	13

\* Delay times are ok?

<sup>\*</sup> Other equipment issues?

Harry Hecht 97.0 Kamaole Samplers Team MARGIE CYR 98.1 RICK CYR 97.2 (Last Name, Session 51 1st Initial)

Meters and	Probes ID	
HQ40d: 1		2100Q: 1 2
pH: 3	DO: 1	Salinity: 1

Date 9/1/20				/	112						Entero	People (within 100 ft)		
Location Name Sample ID	Streams Flowing (Y/N)	Time (of collection)	Temp (°C) variable	Salinity (ppt) 30-35 normal	Dissolved (mg/L)	(%) 85-105 normal	pH 8-8.3 normal	Turbidity (NTU)		CFU	water	beach	camp	
Kalepolepo North	N	7:54	2617	23.4	5,39	81.4	8.05	1,05	1.14	1.02		0	0	0
NKN200901 Waipuilani Park	N	8,20	A	-	5.59	84.2	8.03	5.11	5119	5.93		2	1	0
KWP200901 Kihei South	N	8:33	27.3	33.7	552	84.2	8,01	4.02	-	4.94		0	1	0
KKS200901 Kalama Park	1	8:50	27,1	33.9	642	97.8	6.08	8.39	8.42	8,00		1	0	0
Cove Park KCP200901	N	9:04	1 9	31.2	4.74	71.4	1.97	8.99	14.8	100		0	0	0

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

Use the back of the form if needed.

hightide during sample

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

TURBIDITY VERI	FICATION			122 Mag
	Blank (must be <0.10)	Low	Med	High
Standard	0.04	6.5	5.7	7
Pre-sampling	0.07	6.32	55.5	564
Post-sampling	0.06	6.34	56,9	365

	# of samples	Relinquished to	Contact
Sediment	-	-11	
Nutrients	5	245	M Brown

Signature (Team Lead)	110	Printed Name: / /
Signature (ream featly)	LA Breeze	Toller Mitch
Mullian M	000.001	Office Million

Team	Kamaole	Samplers	H. Kecht
Session	51	(Last Name, 1st Initial)	M. Cyr
Date	9/1/20		R Cyr

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
utrients							
NKN200901-N-1	Kalepolepo North			7:54	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP200901-N-1 Waipuilani Park				8:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	-
KKS200901-N-1	Kihei South	6		8.33	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP200901-N-1	Kalama Park			8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP200901-N-1	Cove Park	8		9:04	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		7
			500 ml		
			500 ml		

, ,	
Signature (Team Lead):	Printed Name:
Methody/	MIL Bon
101100/1/91	MANETOWY

Team	Wailea-Makena	Samplers	Samplers J. Dunning, B. Sousa, A. Allison					
Session	51	(Last Name, 1st Initial)	)		HQ40d: 1		2100Q:	2
Date	9/02/20				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	
Kilohana Dr WKD200902	Ø	7:55	26.4	34.9	4.31	95.7	8.08	0.75	0.82	0.70	-	3	5	Ø
Keawakapu Beach WKB200902	Ø	8:13	26.4	35.1	6.42	97.4	8.09	0.48	0.50	0.46		3	3	Ø
Ulua Beach WUL200902	Ø	8:29	26.4	34.3	6.38	96.4	8.06	0.64	1.33	0,63		3	6	Ø
S Maluaka Beach MMB200902	Ø	8:55	26.5	34.6	6.31	95.9	8,09	0.53	0.53	0.64		i	5	Ø
Ahihi Kinau North MAN200902	Ø	9:17	26.5	34.Z	7.56	114.2	8.05	1.87	2.69	2.22	_	Ø	4	Ø
Ahihi Kinau South MAS200902	0	9:37	26,8	34.5	6.69	101.6	8.11	0.55	0.49	560		Ø	2	0

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

\* 2nd turkidety repeated-Ulua \* 2nd 02% at 113.7-MAN \* and #3 Turkidity repeated-MAS

		-		
TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.06	6.31	55.6	564
Pre-sampling	0.10	6.33	55.6	563
Post-sampling	0.06	6.34	55.9	564

	# of samples	Relinquished to	Contact
Sediment	-	-,	-
Nutrients	10	des	M Bran
Bacteria	-	-	-

Signature (Team Lead):	Printed Name:
Mit 1/200	Mixel Brown
William Colon	11000

Team	Wailea-Makena	Samplers	J. Dunning
Session	51	(Last Name, 1st Initial)	B. Sousas
Date	09/02/20		A. Allison

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
WKD200902-N-1	Kilohana Dr	0		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB200902-N-1	Keawakapu Beach			8:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL200902-N-1	Ulua Beach	o o		8:29	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB200902-N-1	S Maluaka Beach	8	. 🗆	8:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN200902-N-1	Ahihi Kinau North	6		9:17	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS200902-N-1	Ahihi Kinau South	o (		9:37	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

Signature (Team Lead):	Printed Name:	$\Omega$
MITA 11	(N) VIala	Lan
MWW MAN	MUTTER	proun
	V	

Turo Ka war Ola - Sample Collection Datasheet

Team	North Kihei	Samplers	BUNNETTE, G.		
Session	51	(Last Name,		Meters and Probes ID	669
Date	1st Initial) Robus VE	Bahr, F	HQ40d: 1	2100Q: 12	
	07/03/20			pH: 3 DO:	1 Salinity: 1

Location Name	Streams	Time (of collection)	Tomn	riable 30-35	Dissolved	l Oxygen					Entero	Peopl	le (within	100 (1)
Sample ID	Flowing (Y/N)		(°C) variable		(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)		CFU	water	beach	camp
Maalaea Harbor NMH200903		0755	25.6	34.4	6,21.	1 00 11	0 0-7	100	1	7				
Maalaea Condos			, ~ 5. 6	37, 1	623	92.4	8.07	1.02	1.05	01		0	O	0
NMC200903		0813	26.1	33.3	6.89	102.6	804	117	1.34 1.	35		0	6	0
Haycraft Park NHP200903		0833	26.4	34.3	1112			26						
Kealia Pond	4.0	11	26.7	3113	6.42	76,0	0.01	3.50	3.31 3.	.43		0	0	O
NKP200903	K	0854	26.5	35.1	6.49	98.4	8.09	0.76	657	.94		6	4	
Kihei Canoe Club		1010	11.1	/	4 /	10	0,01	0.10	0.010	. 47		U	0	0
NKC200903		0910	26.1	34.5	6.36	96.8	8.08	0.56	0.83 1.	15		1	1	0

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

TWO TEMES WHEN TURNENG GN HO 400.1 IT WENT TO PATE & TIME. ACAD AUTON ON TURBEDIET METER SUMEWHAT BUSTED.

Sites with stream outflow: Kealia

TURBIDITY VER	RIFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.06	6.31	33.6	164
Pre-sampling	0.08	6.39	26.6	664
Post-sampling	0.07	6.35	55.8	164

	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	6	145	las Russ
Bacteria	-	1	THO YES

Signature (Team Lead):	Printed Name:
The K	M. Jall Pa
1000 m	Mittel Drown

Team	North Kihei	Samplers	6. Burnette	
Session	51	(Last Name, 1st Initial)	E Raha	
Date	9/03/20		1. Dave	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
NMH200903-N-1	Maalaea Harbor	Ø		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC200903-N-1	Maalaea Condos	Ð		81.15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP200903-N-1	Haycraft Park	0		8:33	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP200903-N-1	Kealia Pond	<b>a</b>		8:54	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB200903-N-1	Sugar Beach				125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	S 5
NKC200903-N-1	Kihei Canoe Club	B		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

1		
Signature (Team Lead):	Printed Name:	Brown