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



Session No: Vegifiers (pre-sampling): Pre Date: Pre Time: Verifiers (post-sampling): Post Date: Post Time:

65 W. Brown 6/24/21 10: 45 am

<u></u>		., •	wh		· ·	naia	1.17			1 1	
QA/QC Check	Inst#	Probe #	Last Cal Date			RE: ion Value		ST: ion Value	Acceptable Range	Comments/ Notes	QA
Temperature	NIST 10/14/21	n/a	n/a	Std Val	NIST 29.4%€	NIST 29.4 °C	NIST 27.5 _℃	NIST -°C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	1	1	n/a		29.7		27.8			pre aubest air 29.7	°C
	1	2	n/a			29.5				post = 27.5°C	
Salinity			3 months	Std Val	Tap water 0.33	Salin Std 5/16/Zalite 36.0ppt	Tap water 0.33	Salin Std Sww date 35.0 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	1	1	5/31/21		0.37	35.3	0.37	35.5			
	1	2	5/3/21		0.36	35.0					
Dissolved Oxygen			1 year	Std Val	10	0%	10	0%	± 5 %		
	/	1	11/2/20		9	1.4	90	6.1			
	/	2	11/2/20		99	5.9					
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	1	Glala		6.97	9.98	6.99	9.99			
	1	2	6/2/2		7.01	9.98					
Turbidity			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	
	1	n/a	6/21/21		0.07	6.21	0.06				
broken	2	n/a									

QA:

* Are pre- and post within one week?

* Delay times are ok?

* Other equinment issues?

Lab: DHS

Team	Kamaole	Samplers	Last Name, Horry Heart	Meters and Probes ID		
Session	65	(Last Name, 1st Initial)		HQ40d: 1	2100Q: 1	
Date	6/22/21			pH: 3 DO: 1	Salinity: 1	

	C1			Salinity	Dissolved	Oxygen	-11		T1:1:4		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	water beach	
Kalepolepo North NKN210622	N	8:01	26.1	33.0	5.87	97.0	8,11	2.04	3.19	2.41	Na	0	11	0
Waipuilani Park KWP210622	N	8:20	25.4	31,9	5.63	82,2	8.02	2.73	2.98	3.25	Na	0	6	2
Kihei South KKS210622	N	8.36	26.3	31.9	6.19	91,5	8,08	2.96	3.36	2,99	NA	3	5	0
Kalama Park KKP210622	N	8:57	26.4	39.9	8.81	102.5	8.14	4.57	5.62	4,90	NA	0	10	0
		400								1				

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

* Blook - High but fried all procedures, 8:07-NKN 8:09 8:28 - 8:30 KWP 8:44 - 847 - KKS 9:03 9:06-1969

Sites w	ith	potential	for	freshw	ater	flow:	All

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.07	6.21	54.8	578
Pre-sampling	*0,15	6,27	54.6	577
Post-sampling	0.05	10.22	54.8	578

	# of samples	Relinquished to	Contact
Sediment	7	71.	
Nutrients	U	115	Mison

Signature (Team/Lead):	Printed Name:
< MITA BALL	Metch Brown
March - March	The proof

Team	Kamaole	Samplers	Cur M
Session	65	(Last Name, 1st Initial)	Heelt H
Date	6/22/21		graves S.

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN210622-N-1	Kalepolepo North			8.01	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP210622-N-1	Waipuilani Park	ď		8:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS210622-N-1	Kihei South			81.36	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP210622-N-1	Kalama Park			8.57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Signature (Jeam Lead): Printed Name: Brown

Team	Wailea-Makena	Samplers	N. Sharpe	Meters and Pro	Meters and Probes ID				
Session	65	(Last Name, 1st Initial)	10.5/10/10	HQ40d: 1		2100Q: 1			
Date	06/23/21	100 11101111	1. Stark	pH: 3	DO: 1		Salinity: 1		

				Salinity	Dissolved	Oxygen			Entero	Peopl	le (within	100 ft)
Location Name Sample ID	Freshwater 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 KCP210623	N	8:48	27.2	31.9	6.91	104.1	8.09	4.30 4.59 2	87 —	2	2	1
S Maluaka Beach MMB210623	7	9:31	27.0	34.8	6.51	99.2	8.12	1.17 1.14 1.2	28 —	18	17	\$
Ahihi Kinau North MAN210623	N	10:00	26.5	35.4	7.39	111.9	8.13	1.86 1.65 1.5	52 —	7	5	Ø
Ahihi Kinau South MAS210623	N	10:21	27.4	35.2	6.62	101.8	8.10	2.37 2.32 2,	19 —	3	12	Ø

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

KCP: Don near sampling area; I comper is man who lives hete; 2 dogs total.

Took 9th 5th reading and was 3.94.

MMD: swimmers nearby out near sampling site; small naives

MAS: Some snell (per usual); but de

Sites with potential for freshwater flow: Cove Park

ACCOUNT OF THE PARTY OF THE PAR				
	Blank (must be <0.10)	Low	Med	High
Standard	0.05	6.21	54.8	518
Pre-sampling	0.04	6.15	54.4	518
Post-sampling	0.05	6.15	54.7	578

	# of samples	Relinquished to	Contact	
Sediment	-	-		
Nutrients	Ч	PHS	T. Stark	
Bacteria		-	-	

Signature (Team Lead):	Printed Name:	A HEEL
Signature (Team Lead):	Tiara Stark	

of swirl versus invert turbidity vial (Warle) - must be consistent across the board

Team	Wailea-Makena	Samplers	N. Sharpe	
Session	65	(Last Name, 1st Initial)	T. Stark	
Date	06/23/21		1. 3.100	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
lutrients							
KCP210623-N-1	Cove Park	•		8:48	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB210623-N-1	S Maluaka Beach	9		9:31	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN210623-N-1	Ahihi Kinau North			10: 00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS210623-N-1	Ahihi Kinau South	0		10:21	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	
			500 ml	
			500 ml	
		15	500 ml	

Signature (Team Lead):	Printed Name:	
dinastal	- Tiara Stark	

Team	North Kihei	Samplers	1 1501016	Meters and Probes ID				
Session	65	(Last Name, 1st Initial)	F. Barry	HQ40d: 1		2100Q: 1		
Date		T. Stark	pH: 3	DO: 1	Salinity: 1			

	Emalamatan			Salinity	Dissolved	l Oxygen					Entero	Peopl	e (within	100 ft)
Location Name Sample ID	Freshwater 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 NMH210624	2	7:57	25.6	35.3	6.21	92.5	8.10	1.80	1.51	1.56		0	0	0
Maalaea Condos NMC210624	N	8:18	25.6	32.4	7.50	109.9	8.16	5.19.	5.37	5.57		()	0	0
Haycraft Park NHP210624	2	8:37	25.8	34,8	6.85	102.3	8.11	9.10	9.71	9.01		7	4	Ø
Kealia Pond NKP210624	7	9:00	25.9	35.6	6.74	101.2	8.15	1.24	1.17	1.28			l	4
Kihei Canoe Club NKC210624	N	9516	26.8	34.8	6.70	101.6	8.06	12.7	14.5	11.8		0	6	0

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

NMH: fourist boat Nearby campling area (dox)

NMC: some stagnant water in chanchized ditch

- super low tide (larg tides); churning

water near sample area of rocks - may

aunust for T Oz.

NHP: waves & boay bounders & low tide. Higher

NTU tran normal. Fed mud under and may be

getting shreed up.

NKP: lowfide, waves, Il fighing poles brown nature.

Sites with potential for freshwater flow: Maalaea Harbor, Maalaea Condos, Kealia Pond, Kihei Canoe Club

TURBIDITY VER	RIFICATION				
	Blank (must be <0.10)	Low	Med	High	
Standard	0.05	6.21	54.8	578	
Pre-sampling	0.05	6.22	54.6	578	
Post-sampling	0.06	6.16	54.7	578	

CHAIN OF CUSTODY INFORMATION							
	# of samples	Relinquished to	Contact				
Sediment	_	-	-				
Nutrients	5	DHS	T. Stark				
Bacteria	-	-	-				

Signature (Team Lead):	Printed Name:
fice 8th	Tiava Stark

Team	North Kihei	Samplers	F. Bahr	
Session	65	(Last Name, 1st Initial)	T. Stark	
Date	06/24/21		1. 010 .	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NMH210624-N-1	Maalaea Harbor	0/		7:57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC210624-N-1	Maalaea Condos	Ø		8:18	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP210624-N-1	Haycraft Park	DV		8:37	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP210624-N-1	Kealia Pond	∀⁄		9:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC210624-N-1	Kihei Canoe Club	Q		9:16	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	7

Sediments			
		500 ml	

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