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



Verifiers (pre-sampling): Session No: Pre Date: Pre Time: Verifiers (post-sampling): Post Date: PRE: OA/OC Probe Last Cal POST: QA? Inst# Acceptable Range Comments/ Notes Check Date **Verification Value Verification Value NIST** NIST **NIST** Std **NIST** ± 0.6 °C of NIST Compare to NIST Std value in tap water Temperature n/a n/a 27.3°C 27.0c 10/16/22 Val 27.7 n/a 27.6 n/a Salin Std 5/18/Zate 35 Oppt Tap water - compare pre & post values Tap water Tap water Std Salinity Std - compare to value on ± 1 ppt Salinity 3 months 0.33 Val Salinity Std bottle 36.0 35.2 0.35 Std Dissolved 100% 100% ±5% 1 year Oxygen Val Std ± 0.1 pH of Compare to Manufacturer pH Std value on pH 7.00 pH 10.00 pH 3 weeks pH 10.00 pH 7,00 pH std value bottle Val 7.01 9.97 7.01 9,98 7.02 Std **BLANK** LOW 1-10 BLANK LOW 1-10 +0.18 NTU Compare to Gel LOW 1-10 Turbidity 3 months Low 1-10 Std Calibration value < 0.1 < 0.1 Val NTU NTU 0.05 6.20 n/a Not working. fending for service with Hach. n/a QA: * Are pre- and post within one week? Lab: DHS * Delay times are ok? * Other equipment issues?

Team	Kamaole	Samplers	GRAVES, S. Cyr. R. Cyr, M.	Meters and Prob	Meters and Probes ID		
Session	66	(Last Name, 1st Initial)		HQ40d: 2	2100	Q: 1	
Date	7/13/21			pH: 4	DO: 2	Salinity: 2	

	G ₄			Salinity	Dissolved	Oxygen	-17		T		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
Kalepolepo North NKN210713	N	0755	26.7	33.7	5.99	84.3	8,09	0.94	0.90	0.91		\$	4	Ø
Waipuilani Park KWP210713	N	08/3	26.6	32.7	5.77	84.9	8.07	6.94	8.06	8.44		Ø.	2	3
Kihei South KKS210713	N	0832	26.6	34.6	5,20	18.5	8.09	5.21	6.65	6.50		Ö	3	Ø
Kalama Park KKP210713	N	0950	27.0	35.2	6.67	100.9	9.15	4.93	5.13	5,37		l	10	Ø
										Wideline and Windowski Print				

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).	TURBIDITY VER	LIFICATION		
Use the back of the form if needed. NKN: PROBES IN \$ 1800 - 0803 Pen Charge & Kwp		Blank (must be <0.10)	Low	Med High
VKN: 19065 N 0 1900 - 0803 Pen Change @ FWP	Standard	0.05	6.32 6	4.8 578
KKS " " 0836 0837	Pre-sampling	0.08	6.20 5	5.0 522
KKP 11 1853 6857	Post-sampling	0.10		4.8 578
	CHAIN OF CUST	ODY INFORMATI	ION 6.2/	
		# of samples	Relinquished	to Contact
Dock fiel 3 have to cot black below do	Sediment	-	- ,	-
Post took 3 tries to get black below 10	Nutrients	4	d45	M. Brown
and attempt a low was 6.21				
ites with potential for freshwater flow: All	Signature (Team &	A		

Team	Kamaole	Samplers	arange S
Session	66	(Last Name, 1st Initial)	graves 5
Date	7/13/21		CYPR

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN210713-N-1	Kalepolepo North	Ø		07:55	-125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP210713-N-1	Waipuilani Park	Ø		08:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS210713-N-1	Kihei South	02		08:32	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP210713-N-1	Kalama Park	D/		08:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Signature (Team Lead): Printed Name:

MUMU Brown

Team	Wailea-Makena	Samplers	Sousa, B, Wolf, A, Sharpe, N.	Meters and I	Probes ID	
Session	66	(Last Name, 1st Initial)		HQ40d: 2		2100Q: 1
Date	07/14/21			pH: 4	DO: 2	Salinity: 2

				Salinity	Dissolved	l Oxygen					Entero People (withi		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
Cove Park KCP210714	M	9:00	27.1	33.3	6.18	93.5	8.10	3.65	4.18	4.64		80	20	0
S Maluaka Beach MMB210714	N	9:34	27.z	353	638	98.0	8.13	0,47	0.72	0.68		22	3)	ර
Ahihi Kinau North MAN210714	N	9:46	26.8	34.9	7.40	1/2.3	8.10	0.79	0,91	0.83		3	9	0
Ahihi Kinau South MAS210714	N	10:15	26.5	35.0	6.34	96.0	8.10	1.21	1-11	1.26		8	18	2

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

Volunteers forget to read blank turbidity for Pre-sampling (dumped 't).

Sites with potential for freshwater flow: Cove Park

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.10	10.21	54.8	578
Pre-sampling		6.22	54.7	578
Post-sampling	0.06	6.19	54.9	578

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	4	DHS	T. Stark
Bacteria	-	-	-

Signature (Team Lead):

Printed Name:

Tiam Stark

Team	Wailea-Makena	Samplers	sousa, B.	
Session	66	(Last Name, 1st Initial)	Wolf, A.	
Date	07/14/21		sharpe, N.	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
KCP210714-N-1	Cove Park	Q		9:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB210714-N-1	S Maluaka Beach	q		9:34	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN210714-N-1	Ahihi Kinau North	ø,		9:46	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS210714-N-1	Ahihi Kinau South	A		10:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments	Sediments										
			500 ml								
			500 ml								
	0		500 ml								
	0		500 ml								

Signature (Team Lead):	Printed Name:
Loca Stale	Tina Stark

Team	North Kihei	Samplers	BURNETE, G.	Meters and P	robes ID		
Session	66	(Last Name, 1st Initial)	WOLF A.	HQ40d: 2	HQ40d: 2 2100Q: 1		
Date	07/15/21		004 / 1.	pH: 4	DO: 2	S	Salinity: 2

				Salinity	Dissolved	Oxygen					Entero	Peop	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
Maalaea Harbor NMH210715	N	7:46	25.7	35.0	5.98	89.3	8.10	1.62	2.14	180	40	Ø	6	0
Maalaea Condos NMC210715	\sim	8:05	25.7	33.0	6.96	103.0	8.03	1.78	1.82	1.53		0	0	0
Haycraft Park NHP210715	A	8:25	26.1	35.2	6.61	99.4	8.13	5,36	5.64	5.71		0	4	1
Kealia Pond NKP210715	\wedge	8:50	26.3	35.6	6.56	99.2	8.16	0.59	0.83	0.61		0	3	1
Kihei Canoe Club NKC210715	N	9:10	26.7	35.3	6.45	98.1	8.14	3.35	4.08	3.69		3	83	0

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

KLL FOUND EMPTS AT PMG

SALSWITT B BIT HIGH AT NHP, NKP, NKC

NO RAIN HERE IN A LONG TEME

HAD TO RESET IT ALMOST FOR EVERY READING

SHAT OFF WHEN READ OUTTON PRESSED

ALSO DOESN'T PLWATS TURN BACKON EASILY - RESET BATTENTES

Sites with potential for freshwater flow: Maalaea Harbor, Maalaea

Condos, Kealia Pond, Kihei Canoe Club CANOE MACES AT NKC

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.06	6.21	54.8	578
Pre-sampling	0.06	6.33	54.6	578
Post-sampling	0.06	6,20	54.7	578

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment		-11	-
Nutrients	6	des	MBron
Bacteria	-	-	-

Signature (Team Lead):

post rer- 1st read on 21000 - 6.14

Printed Name:

Metal Brown

Team	North Kihei	Samplers	Burnette G.	7-
Session	66	(Last Name, 1st Initial)	110 10	
Date	07/15/21		WOR A	

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NMH210715-N-1	Maalaea Harbor	3	0	7:46	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC210715-N-1	Maalaea Condos	d		805	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP210715-N-1	Haycraft Park	E .		8:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP210715-N-1	Kealia Pond	ø		8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC210715-N-1	Kihei Canoe Club	9		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments					
		0	500 ml	**	
-	0	0	500 ml		
	0	0	500 ml		
		0	500 ml		

Signature (Team Lead).	Printed Name:	
Mille	Mitch	Drown
JANUA_		DIOUN