

elo lely evenin

		-			The same of the sa	and and	THE PARTY.	,		POET HOLD	The same of
75	Ö	BUNYETTE	MVETE, 1. STANK	MK	10	22/22/	9:58	1.8	1. Stank (a. purrute	1/27/22	9:30 am
QA/QC Check	Inst#	Probe	Last Cal Date		Perifica	PRE: Verification Value	PC Verificat	POST: Verification Value	Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	NIST Exp. Date	Std Val	NIST 24.2 °C	NIST 24.6 °C	NIST 24.9°c	NIST OC	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	_		10/11/22		24.4		25,0				
	-					24.2					
Salinity			3 months	Std Val	Tap water 0.13	Salin Std 124 22 date 33.9 ppt	Tap water 0.13	Salin Std \2x\22 date	± l ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	1	8+3	11/15/24		D. [I4	33.9	0.15	34.0		Used new Cal. Std. from travers	
	-	7	11/15/21		0.13	33.4		1			
Dissolved Oxygen			1 year	Std Val	10	100%	10	100%	# 5 %		
	_	1	12/18/21		dd.	%8.	100,1	0/0/			
		7	12/18/21		99.	J.6/0	\				
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	2760	1/24/22		7.00	10.07	10.1	10.00		DA PROBLETS NOTTO BE USED	
	,	4	1/24/22		7.00	10.07		1			
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
		n/a	1/24/22		0.05	6.57	50,0	19.9		Law Std; 6.57	
	7	n/a	1/24/22		0.00	6.33		-		DAN (24. 6.29	

* Are pre- and post within one week?
 * Delay times are ok?
 * Other equipment issues?

Team Kamaole	Sam	Samplers	GARNES S.	10					Meters	Meters and Probes ID	s ID	-	
Session 75	(Las	(Last Name, 1st Initial)	Car A	-					HQ40d: 1		21	2100Q: 1	
Date 01/25/2022			CUL, M.						pH: 5	,	DO: 1	Sal	Salinity: 3
		13		Salinity	Dissolved	Dissolved Oxygen					People	People (within 100 ft)	00 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)		water	beach	camp
Kalepolepo North NKN220125	R	4.86 23.40	23.4	33.9	6.58	33.9 6.58 94.0 8.14 4.18 4.18 4.00	41.8	4.18	4.18	4.00	B	B	B
Waipuilani Park KWP220125	N	0807	32.5	1.hE	6.79		95.5 8.07 22.4 22.7 22.2	22.4	22.7	22.2	Ø	Ø	Ø
Kihei South KKS220125	5	08:38	23.3	34.4	15.0	93.0	93.0 8.11 16.4 16.2 16.4	4.91	[6.2	16.4	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	W	Ø
Kalama Park KKP220125	X	54:80	73.4	25.3	08.9	97.9	3-19 8-12 16-11 16-9 16-5	16.1	169	16.5	Q	Q	B

NOTES AND COMMENTS (trends, equipment problems, errors, concerns). Use the back of the form if needed	Line Constitution of the
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KKS: 813-8:15 probes
KKS: 8:33-8:15 probes
KKP: 8:49-8:51 probes

Equipment performed well

TURBIDITY VERIFICATION	RIFICATION			
	Blank	Low (+/- 0.18)	Med (+/-1 go)	High
Standard	0.05	6.57	57.5	10
Pre-sampling	40.0	6.57	57.4	565
Post-sampling	6.08	6.60	Пı	505
CHAIN OF CUST	CHAIN OF CUSTODY INFORMATION	NOI		
	# of samples	Relingu	Relinquished to	Contact
Sediment	•			1
Nutrients	J	SWZ		T. Stark

Tiara Stark Printed Name: Signature (Team Lead)

Bacteria

Sites with potential for freshwater flow: All

1st Initial) Cyy H	m 75 (Last Name, orange) H-Ch+h H H L Nample Duplicate Time Yolume Protocol Notes Sample ID Location Name Sample 2 sample? Time Yolume Protocol Notes KN220125-N-1 Kalepolepo North B 125 ml Wasted, rinsed syringes, acid washed bottles: 0.2 um disposable filters KP220125-N-1 Kihel South B 27 9 125 ml Wasted, rinsed syringes, acid washed bottles: 0.2 um disposable filters KP220125-N-1 Kalama Parix B B 27 9 125 ml Wasted, rinsed syringes, acid washed bottles: 0.2 um disposable filters nents B<	nn 75 (Last Name, Puch H) Puch H) H. 01/25/2022 1st Initial) Cyy I P. Time Volume Protocol Notes Sample ID Location Name Sample Publicate Time Volume Protocol Notes KN220125-N-1 Kalepolepo North H Time Time Nathert, meed syringes, acid washed nited syringes, acid washed syringes, acid washed nited syringes, acid washed littlers KS220125-N-1 Kihei South Time Time Nashed, meed syringes, acid washed nited syringes, acid washed littlers KP220125-N-1 Kalama Park Time Sign ml Washed, meed syringes, acid washed littlers RP220125-N-1 Kalama Park Time Sign ml Washed, meed syringes, acid washed littlers RP220125-N-1 Sign ml Sign ml Sign ml Printed Name:	Team Kamaole	Samplers	Graves, S.		Cy, M.			
Sample ID	Sample ID Location Name Sample and Falcent? Time Yolume Protocol Notes ents NYZ20125-N-1 Kalepolepo North B D 7:55 125 ml Washed, insed syringes, acid washed bottles; 0.2 ml disposable filters NW220125-N-1 Kihei South B C 7:55 125 ml Washed, insed syringes; acid washed bottles; 0.2 ml disposable filters KP220125-N-1 Kihei South B C B C P 125 ml Washed, insed syringes; acid washed bottles; 0.2 um disposable filters KP220125-N-1 Kalama Park B C C S; 29 125 ml Washed, insed syringes; acid washed RCP20125-N-1 Kalama Park B C<	Sample ID Location Name Sample Duplicate Time Volume Protocol Notes		(Last Name, 1st Initial)	Heart)		*	
uple ID Location Name Sample samples sample? Time Volume Protocol Notes 220125-N-1 Kalepolepo North ∀ 1 15 ml Washed, rinsed syringes; acid washed bottless: 0.2 um dispossible filters 20125-N-1 Kihei South □ ⟨ ⟨ √ <t< th=""><th>uple ID Location Name Sample sample? Time Volume Protocol Notes 220125-N-1 Kalepolepo North □</th><th>pple ID Location Name sample? Time Volume Protocol Notes 220125-N-1 Kalepolepo North B</th><th>Date 01/25/2022</th><th></th><th>2 (%)</th><th></th><th></th><th></th><th></th><th></th></t<>	uple ID Location Name Sample sample? Time Volume Protocol Notes 220125-N-1 Kalepolepo North □	pple ID Location Name sample? Time Volume Protocol Notes 220125-N-1 Kalepolepo North B	Date 01/25/2022		2 (%)					
220125-N-1 Kalepolepo North H	20125-N-1 Kalepolepo North	220125-N-1 Kalepolepo North	Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
20125-N-1 Kalepolepo North 日	20125-N-1 Kalepolepo North	20125-N-1 Kalepolepo North	Nutrients							
20125-N-1 Waipuilani Park 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	20125-N-1 Waipuilani Park	20125-N-1 Waipuilani Park	NKN220125-N-1	Kalepolepo North	R		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
10125-N-1 Kihei South 区	Washed, rinsed syring	Signature (Team Lead): Kihei South 図	KWP220125-N-1	Waipuilani Park	70		40:8	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Ralama Park 図 日 日 日 日 日 日 日 日 日	10125-N-1 Kalama Park □ □ Q: 4 ≤ 125 ml Washed, rinsed syrings bottles; 0.2 um dispose 10125-N-1 □ □ □ 500 ml □ <t< td=""><td> Signature (Team Lead):</td><td>KKS220125-N-1</td><td>Kihei South</td><td>D</td><td></td><td>8:29</td><td>125 ml</td><td>Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters</td><td></td></t<>	Signature (Team Lead):	KKS220125-N-1	Kihei South	D		8:29	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
	S00 ml S		KKP220125-N-1	Kalama Park			54.8	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
	500 ml 500 ml 500 ml 500 ml 500 ml	500 ml 5	Sediments							
	500 ml 5000 ml 5000 ml	500 ml 5				0		500 ml		
	500 ml	500 ml 500 ml Signature (Team Lead):						500 ml		
	500 ml	Signature (Team Lead):	*					500 ml		
			^					500 ml		

Team Wailea-Makena		Samplers	B. Sousa,		J. Dunning	Luic			Meters	Meters and Probes ID	O S		
Session 75	(Las	(Last Name, 1st Initial))			HQ40d: 1		21	2100Q: 1	
Date 01/26/2022									pH: 5	,	DO: 1	Sa	Salimity: 3
				Salimity	Dissolved Oxygen	Oxygen					People	People (within 100 ft)	(100 ft)
Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of collection)	Temp (°C) variable		(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)		water	beach	camp
Cove Park KCP220126	Q	8:30	24.1	33.5	Pg6.55	94.3	8.10	2.96	3 T	2.85	Ø	Ø	7
S Maluaka Beach MMB220126	6	9:05	24.3	35.9	18.9	1,001	8.15	0.76	0.84 0.79	65.0	_	3	Ø
Ahihi Kinau North MAN220126	×	9529	34.5	35.9	7.21	105.8	21.8	0.79 6,80 0.77	08'9	5.77	\mathcal{E}	4	B
Ahihi Kinau South MAS220126	B	93:6	24.8	35.8	6.19	102.1	8.17	1.76	1.76 2.07 2.11	a.11	8	4	Ø
NOTES AND COMMENTS (trends, equipment problems, errors, concerns).	MENTS (trend	ls, equipment	problems, erro	ors, concerns)		TURBI	TURBIDITY VERIFICATION	JEICATIO	N				
			3	100	4			B]	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	Med -/- 1.80)	High (+/- 18)
Ahihi Kinau south- large wave, 10ugh survi	South-	large w	ave, 10	202		Standard	p.	0.08		6.57	57.5	V	Ses
						Pre-sampling	pling	0.05		4.54	57.7		595
						Post-sampling	mpling	0.08		6.60	57.5		264
						CHAIN	CHAIN OF CUSTODY INFORMATION	ODY INFO	ORMATIC	NO			
								# of s	# of samples	Reling	Relinquished to	Č	Contact
						Sediment	nt		,		1		
						Nutrients	ts	†		SWZ.	5	5.	Starle
						Bacteria	a						ı
						Signatu	Signature (Team Lead):	cad):		Print	Printed Name:		
		5					3	S.	3	+	rara	5	Y

Printed Name:

Signature (Team Lead):

500 ml

Team Wailea-Makena	Jakena	Samplers	B. Sansa	, were				
Session 75		(Last Name, 1st Initial)	J. Dunning	to in			,	
Date 01/26/2022	2			>				
			Sample	Dunlicate				1
Sample ID		Location Name	taken?	sample?	Time	Volume	Protocol Notes	Comments
Nutrients								
KCP220126-N-1		Cove Park	A		8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB220126-N-1		S Maluaka Beach	2		9:05	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN220126-N-1		Ahihi Kinau North	D		9:29	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS220126-N-1		Ahihi Kinau South	DI .		9:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments								
						500 ml		
						500 ml		
						500 ml		

Team North Kihei		Samplers	andert 6	7 2					Meters a	Meters and Probes ID	es ID		
Session 75	(Las	ne,	シャク	; 					HQ40d: 1		21	2100Q: 1	
Date 01/27/2022			1/500						pH: 5	,	DO: 1	Sal	Salinity: 3
				Salinity	Dissolved Oxygen	0xygen					People	People (within 100 ft)	00 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	4	Turbidity (NTU)		water	beach	camp
Maalaca Harbor NMH220127	2	0745 23.5	23.5	35.5 \$ 6.30 90.6 814 0.74 0.89 0.79	6.30	90.6	118	0.74	3.89	97,0	0	0	۵
Maalaea Condos NMC220127	Z	0/80	0810 23.2*	33.8	6.87	97.5	8,10	6.87 97.5 8.10 3:43 6.73 5.20		3.28	1	7	0
Haycraft Park NHP220127	1	0835 23.9	23.9	34.7 6.44 92.8 3.11 2.66 2.79 3.10	6.44	8.76	9.11	2.66	2.79	3.10	0	Z	0
Kealia Pond NKP220127	>	0900 24.1	1.42	36.1* 6.82 99.5 8.18 1.25 1.14 1.34	6.87	99.5	8.18	(25)	١, ٢٧	134	0	N	0

NOTES AND COMMENTS (uchas, equipment proteins, critics).
Use the back of the form if needed.

* NOW & VMH & NKP & NKC SALENET ON OF RANGE UNC - THOUGHT THE TEND WAS A BIT LOW, SHOWY HAVE UNC - THUGHT THE NEAD WAS A BIT LOW, SHOWY HAVE

PMC - TUNB JASTY NEADTHGS VERY IYONSISENT KND DONG KNOW WHY, WE CHEWED THE BLANK FON SMUDGES KNO FOUND NONE. DES AL PROLEDUNES CORRECTLY.

PKL - HEBH FURBIDITY READENLY LIKELY DE TO BROWN WATCH STILL PRESENT FROM NAW EVENT WELLY RED Sites with potential for freshwater flow: Maalaea Harbor, Maalaea Condos, Kealia Pond, Kihei Canoe Club

	Blank	Low (+/- 0.18)	Med (+/- 1 80)	High
Standard	0.08	6.57	57.5	565
Pre-sampling	0.07	6.67	57.4	565
Post-sampling	0.0%	0.61	57.6	Ses

\$5.25 5.21 5.28

6.72 98.9 8.14

35.2*

8.72 07.60

Kihei Canoe Club NKC220127

	# of samules	Relinguished to	Contact
Sediment	-		1.
Nutrients	N	NMS	T. Start
Bacteria		1	1

Signature (Team Lead): Printed Name:

Printed Name:

Signature (Team Lead):

Team North Kihei	Samplers	20 DX	Burretta				
Session 75	(Last Name, 1st Initial)		د د			•	
Date 01/27/2022		i i	¥/08				
Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NMH220127-N-1	Maalaca Harbor	Ø		Sh:L	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC220127-N-1	Maalaea Condos	Þ	_	01:8	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP220127-N-1	Haycraft Park	D		8:35	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP220127-N-1	Kealia Pond	מ		00:6	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC220127-N-1	Kihei Canoe Club	Ð	_	07:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
					500 ml		
		_			500 ml		
		0			500 ml		
		0			500 ml		