

10 ien men mist

C. Survecte 1/3/22 1030 7. Crark Gadustic litere Nist Probe Last Cal Verification Value Verification Value Acceptable Range Low Log Lo	Session No:		Verifi	Verifiers (pre-sampling):	pling):		Pre Date:	Pre Time:	'	Verifiers (post-sai	npling): Post Date: Post Time:	me
Inst # Probe Last Cal Verification Value Val 26.1° 24.6° 32.9° 40.6° Cof NIST 22.2 2. 2.	24	9	Bur	Cott		11		1030	4.0	tark Graw	1622 10	3
NIST	QA/QC Check	Inst#				P	RE: tion Value	PC Verifica	OST: tion Value	Acceptable Range	Comments/ Notes	QA?
2 2 10/16/22	Temperature	NIST	n/a	NIST Exp. Date	Std Val	NIST 26.1°C		NIST /	NIST 32.3°C	± 0.6 °C of NIST	Compare to NIST Std value in tap water Second RCW get AKTUNED OF	
2. 2, 1/16/21 Std Tiep water Salia Std Tiep water Salia Std Tiep water Salia Std Tiep water Salia Std Tiep water Val 100% 2. 2, 1/16/21 Std 100% 100% 2. 1/1/16/21 100% 100% 2. 1/1/16/21 100/2 2. 2, 1/1/16/21 100/2 2. 2, 1/1/16/21 100/2 2. 4, 1/3/22 2. 4, 1/3/22 2. 4, 1/3/22 2. 4, 1/3/22 2. 4, 1/3/22 2. 6, 0.0 2. 7, 0.0 2. 7, 0.0 2. 7, 0.0 2. 1/1/16/21 2. 1		7	n	12/91/01		1.97		١			PRETEND: 22.2°C	
2 3 11/65/24		7	7	10/16/22			24.9		32.6		Post : 21.1°C	
2 3 11/65/21 0.18 34.0 — — — — — — — — — — — — — — — — — — —	Salinity			3 months	Std Val	Tap water 0.13	Salin Std 6/s/12/date 33.6ppt	Tap water	Salin Std (5 24 date	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
2 2 1 1/65/24 0.17 33.5 0.16 33.8 ±5% 2 1 1/6/21		2	2	11/5/11		0.18	34.0	1	1	Andreas and the second	USSUK O. 13 MPT FOR TAP WATER	
2 1 1 1 year		7	7	12/50/21		0.17	33.5	0.16	33.3			5
2 1 (1/16/21 100.7 100.5	Dissolved Oxygen			1 year	Std Val	10	%01	10	%0(#5%		
2 2 1/1/6/21 100.3 100.5 2 3 weeks Std pH 7.00 pH 10.00 pH 7.00 pH 10.00 pH std value 2 3 1/3/22 7.00 70.02 2 4 1/3/22 7.00 70.03 7.03 10.02 2 4 1/3/22 7.00 70.03 7.03 10.02 2 4 1/3/22 Std BLANK LOW 1-10 A.0.10 Low 1-10 Low 1-10 2 1/2/24 O.05 6.67 2 1/3/24 O.05 6.27 O.06 6.39 O.06 6.39 3 1/3/24 O.05 6.27 O.06 6.39 3 1/3/24 O.05 O.05 O.06 0.39 3 1/3/34 O.05 O.05 O.06 0.39 3 1/3/34 O.05 O.05 O.06 O.05 O.06 O.05 O.06 O.05 3 1/3/34 O.05		7	,	12/18/21			/	1	1			
2 3 weeks Val pH 7.00 pH 10.00 pH 10.00 pH 10.00 pH 10.00 pH std value pH 3/12 7.00 (6.02 ————————————————————————————————————		N	11	12/91/21		100.	3	101	0.8			
2 3 1/3/72 7.00 10.02 ———————————————————————————————————	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	
2 4 1/3/22 7.00 10.03 7.03 10.02 ELANK Std BLANK LOW 1-10		7	N	1/3/22		7.00	10.02		1			
1 11/2 10/45/44 2 2 2 2 2 2 2 2 2		4	4	1/3/22		7.00		7.03	10.02		4	
11/2 10/15/21 0.05 6.67 11/2 10/05 6.72 0.06 6.79	Turbidity			3 months	Std	BLANK <0.1	10W 1-10	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
10/25/21 0 06 6 22 0 06 6.99		1	n/a	10/22/21		50.0	19.9	1	1		4.9: Q. 20	
1.0000000000000000000000000000000000000		7	n/a	12/22/01		0.06	6.22	0.06	6.22		Low 570: 6,14	

QA:

* Are pre- and post within one week?

* Delay times are ok?

* Other equipment issues?

* Chulb golle standard crop. Lake !!

fraum on last day undur quarantine 1/2/22

Feam Kamaole	Samplers	'	Meters and Probes ID	Probes ID	
Session 74	(Last Name,	S. Grans	HQ40d: 2	2	100Q: 2
	13t milian)				;
)ate 01/04/2022		1. Stark	pH: 4	DO: 2	Salimity: 2

_		1				
	00 ft)	camp	0	0	نياض م	0
	People (within 100 ft)	beach camp	0		w	
	People	water	0	0	٥	1
			20.6	37.5	19.9	5.0
		Turbidity (NTU)	22.2	41.3	21.8	9.13
			20.0	42.6	21.3	10.5
		pH 8-8.3 normal	01.8	8.08	8:08	8:12
-	Oxygen	(%) 85-105 normal	9.00	98.2	95.6	4.86
	Dissolved Oxygen	(mg/L) (%) 85-105 normal	6.51	89.9	6.53	6.73
	Collinida	(ppt) 30-35 normal	35.3 6.51 96.68.10 20.022.2.20.6 0 0	35.2 6.68 98.2 8.68 42.6 41.3 37.5 0 1	347 6.53 95.6 8.08 21.3 21.9 19.9 0 3 2	34.7 6.73 98.7 8.12/0.5 9.13 10.3 2
		Temp (°C) variable	1 1	24.6	34.5	
1,000,000		Time (of collection)	7:55 25.0	8:30	Since ohis	8.55 24.6
		Freshwater Flowing (Y/N)	Z	Z	Z	Z
		Location Name Sample ID	Kalepolepo North NKN220104	Waipuilani Park KWP220104	Kihei South KKS220104	Kalama Park KKP220104

	`	400					sults
NOTES AND COMMENTS (trends, equipment problems, errors, concerns). Use the back of the form if needed.	NIGHT: SULA embendement too high (enorion?)	Kurp: Brideene refuester musite en parti trirango tres	to sample area.	2.00 turbidde: particles gooding in spample	SALINITY 35,2 on 2 readings	NKN: Dorry (grounds keeper) mentioned cesspool mas	exposed afterdorm (souther is not not nutrent presults.

	Blank	Low	Med	High
	(must be <0.10)	(-/- 0.18)	(+/- 1.80)	(+/- 18)
Standard	0.05	6.14	53.5	579
Pre-sampling	6.07	41.9	53.6	579
Post-sampling	40.0	81.9	53.8	5%,
CHAIN OF CUSTODY INFORMATION	ODY INFORMAT	NOI		
	# of samples	Relinquished to	hed to	Contact
Sediment	ı	1		1
Nutrients	ナ	SWZ	۲	T. Stark
Bacteria	1	1		Ţ

TURBIDITY VERIFICATION

liara gard Signature (Team Lead):

evenyour

* Brown water

* Less people from usual of all Sites with potential for freshwater flow: All

Printed Name:

Knowly of the war a Ipo Mossman - Water Board honotohau@gmail.com

Boardmunder for when

Printed Name:

Signature (Team Lead):

I eam	Samplers	ω. (2)	S. Graves				
Session 74	(Last Name, 1st Initial)	シード	T. Stank				
Date 01/04/2022							
Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN220104-N-1	Kalepolepo North	D		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP220104-N-1	Waipuilani Park	Þ	0	8:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS220104-N-1	Kihei South	No.		0h:8	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP220104-N-1	Kalama Park	S		8:55	125 ml	Washed, rinsed syringes, acid washed bottles, 0.2 um disposable filters	
Sediments							
		0			500 ml		
					500 ml		
			_		500 ml		
					500 ml		

Team Wailea-Makena		Samplers	B Sou	B Sousa, A. Wolf, J. Dunning	from	J. Da	nac	V 2	Meters and Probes ID	Probes	9		
Session 74	(La	(Last Name,)	HQ40d: 2		210	2100Q: 2	
Date 01/05/2022									pH: 4	ă	DO: 2	Sali	Salimity: 2
				Salinity	Dissolved Oxygen	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	- 0	Turbidity (NTU)		water	beach	camp
Cove Park KCP220105	5	8:13	8:13 34.6	34.7	6.15	95.1	8.11	4.24	34.7 6.15 95.1 8.11 4.24 3.83 5.48	8	B	W	8
S Maluaka Beach MMB220105	5	8:49	8.49 24.9	35.4	6.70	98.8	41.8	1.37	35.4 6.70 98.8 8.17 1.37 1.721.65	52	8	B	Ø
Ahihi Kinau North MAN220105	3	8.48 21:6	24.8	35,3	7.07	103.9	8.08	1.34	35,3 7.07 103,9 8.08 1.341,49 1.99 4	39	4	1	B
Ahihi Kinau South MAS220105	3	9:34 24.9	24.9	35.3	6.57	96.0	8,10	1.52	35.3 6.51 96.0 8.10 1.52 1.60 2.16 4	2	4	5	Ø

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).
USC LIE DAVE OF LIE TOTH IT INCORNE.
was store bought Distilled masur for

Used new stare bought Distilled natur for past-sampling blank. Had a hard time agething it below 0.10 NTU.

TURBIDITY VERIFICATION	UFICATION			
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	6.07	6.14	53.5	579
Pre-sampling	0.12	6.24	53.2	280
Post-sampling	D. 08	6.19	53.6	280
CHAIN OF CUSTODY INFORMATION	ODY INFORMAT	NOL		
	# of samples	Relinqu	Relinquished to	Contact
Sediment	1	1		1
Nutrients	7	SMS		T. Stavle
Bacteria	1			I

Signature (Team Lead): Printed Name:

Sites with potential for freshwater flow: Cove Park

Printed Name:

Signature (Team Lead):

leam wallea-iviakena		Samplers	5.20M3 A	2				
Session 74		(Last Name, 1st Initial)	tien t	ب				
Date 01/05/2022	2		J. Dun	Die				
Sample ID	T	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients								
KCP220105-N-1		Cove Park			8:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	7-
MMB220105-N-1		S Maluaka Beach	F,		8:49	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN220105-N-1		Ahihi Kinau North	Þ		9:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS220105-N-1		Ahihi Kinau South	No.		4:34	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments	-							
						500 ml		
						500 ml		
						500 ml		
						500 ml		

Team North Kihei		Samplers	0.11.0	1 W				Met	Meters and Probes ID	oes ID		
Session 74	(Las	ne,	DUNDERLY G.	, K 6.				-ÒH	HQ40d: 2	210	2100Q: 2	
Date 01/06/2022			J'ANN					pH: 4	+	DO: 2	Sali	Salimity: 2
				Collinite	Dissolved Oxygen	l Oxygen				People	People (within 100 ft))0 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)	dity U)	water	beach	camp
Maalaca Harbor NMH220106	3	0745 24.8	24.8	35.3	6.04	98.9	80.8	35.3 \$ 6.04 98.9 8.08 1.47 1.73 1.61	197 6	0	0	0
Maalaca Condos NMC220106	7	080\$ 24.7		34.9	6.33	6.76	208	34.9 6.33 92.9 8.02 6.89 7.25 7.39	5 7.39	0	0	٥
Haycraft Park NHP220106)	0820	0820 24.7	35.1 **	1 6.61 97.3 8.11	97.3	11.8	9.584 669 11 10.20	1 10.20	0	4	8
Kealia Pond* NKP220106	7	0840 24.7		35.48	98.9	8.001	8-13	35,4 6.86 100.8 8.13 4.27 4.25 4.09	15 4.09	0	0	0
- 1							(2000				

NOTES AND COMMENTS (trends, equipment problems, errors, concerns). The the back of the form if needed	TURI
STORY OF WILL OMER H	
CALLYTTI OCIOSAR OI MAGOO MILLON DING	Stand
DAM, PAR, TAR, J. T.	Pre-s
stringen south suzu mank st mone citaledesc	Post-
to GRAB SAMPLES TODAY	CHA
SOLE WAVES 3' AT VKP	
	Sedin
WAR BASH WATER WITH SOME DEBRIT IN IT	Nutri
AT JKC	Bacte

	Blank	Low	Med	High
	(must be <0.10)	(-/- 0.18)	(+/- 1.80)	(+/- 18)
Standard	0.08	6.14	53.5	579
Pre-sampling	0.08	6.26	53.5	580
Post-sampling	0.00	6.22	53.6	280
CHAIN OF CUSTODY INFORMATION	ODY INFORMAT	ION		
	# of samples	Relinquished to	ished to	Contact
Sediment	1	•		1
Nutrients	ردر	SAN		6. Buylest
Bacteria	1	•		ı

0

2

22.7 4.22 25.2

6.48 95.9 8.12

35.2*

0900 250

Kihei Canoe Cluft NKC220106

GENNE 6. BUNNETTE TU Signature (Team Lead):

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

Printed Name:

Printed Name: Clarge 6. Brook TE to

Signature (Team Lead):

Team North Kihei	Samplers	1.184165	J. J.				
Session 74	(Last Name, 1st Initial)	Detres (
Date 01/06/2022		DAKK,	\.				
Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NMH220106-N-1	Maalaca Harbor	D		5240	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC220106-N-1	Maalaca Condos	D	_	0805	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP220106-N-1	Haycraft Park	70		08290	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	*
NKP220106-N-1	Kealia Pond	20		9480	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC220106-N-1	Kihei Canoe Club	100	0	0690	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
					500 ml		
					500 ml		
					500 ml		
					500 ml		