

	: Post Time:	10:35
	Post Date:	4/21/22
	Verifiers (post-sampling):	y. St-Lauis
	Pre Time:	8:01-98:5
FIELD EQUIPMENT VERIFICATION (PRE/POST A WEEKLY SAMPLING):	Pre Date:	4 18 22
	Verifiers (pre-sampling):	Y. 5t- Louis
	Session No:	19

QA/QC Check	Inst#	Probe #	Last Cal Date		PRE: Verification	PRE: Verification Value	PO Verificat	POST: Verification Value	Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	NIST Exp. Date	Std Val	NIST 33.8°C	NIST 23.6°C	NIST 29.5°C	NIST O	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	_	3	22/91/01		24.0		30.4				
	_	7				23.8		1			
Salinity			3 months	Std Val	Tap water 6.13	Salin Std 1124 date 33.9 ppt	Tap water O.13	Salin Std 1/24 date 33.9 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	-	3	2/14/22		6.19	34.0	0.19	33.9			
	_	7	2/14/22		0.18	33.8		1			
Dissolved Oxygen			1 year	Std Val	100	100%	10	100%	±5%		
	_	_	12/16/21		98.2	7	97.	Н.			
	_	7	12/16/21		97.3	8	1				
Hd			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	
, 4.	_	7	4/18/22		1.01	10.05	1		3	PH 16.01 exp 3/22 PH 7.00 exp 3/23	
	-	5	4/18/12		1.01	10.05	1.03	10.02		PH 4. 00 exp 12/23	
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	
	_	n/a	1/24/22		0.07	6.59	0.0	9.9		Low STD: 6.57	
	4	n/a	1124/22		0.0%	6.31				Low STD: 6.32	
1			, le com c	7 1 0	h. 11 M	V					

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

Team Kamaole	Samplers	SCHOLENS	Meters and Probes ID	Opes ID		
	(Last Name,	Karrey Hechit	HO40d:		21000: /	
	1st Initial)	0	1			C
04/19/2022			pH:	DO:	Salin	linity:

				:	Dissolved Oxygen	Oxygen					People	People (within 100 ft)	(1) (t)
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 NKN220419	2	7:53 73.9 33	73.9	33.6	6 6.29 90.1 8.13 2.91 2.45 2.46 0	96.1	8.13	2.9	2.45	2.46	0	2	0
Waipuilani Park KWP220419	2 2	8:21	8:21 23.0 32.7	32.7	03.8 86.8 18.6 3.98 8.78 2.7.3	87,3	8.06	9.81	8.98	8.60	٥	۵	0
Kihei South KKS220419	. 7	8:39	24.4 32.	32.8	8 6.10 87.9 8.09 10.90 11.10 935	67.9	8.09	10.90	11.10	9.50	-	_	Q
Kalama Park KKP220419	Z	9:00	9:00 24.7 35.	35.1	6.72 984 8.15 8.81 7.73 8.56 0 17 0	984	8.15	8.8	7.73	8.56	0	17	0

concerns).	
errors,	
it problems,	
equipmen	
(trends,	ded.
NOTES AND COMMENTS (trends, equipment problems, errors, concerns).	Use the back of the form if needed.
SAND	back o
NOTES	Use the

Changed betteries NKN - Broke down - Cooled

At KKS - Tolbidity Meter Broke down - Cooled

Not shot w/ chaye battery - Vital text Kept.

	Blank	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	C.07	6.57	57.5	565
Pre-sampling	0.58	6.64	57.3	564
Post-sampling	0.0	6.63	57.6	564

	# of samples	Relinquished to	Contact
Sediment		ı	1
Nutrients	5	NMS	T. Stark
Racteria		1	1

Tiana Stank Printed Name: Signature (Team Lead):

Sites with potential for freshwater flow: All

Team	Kamaole	Samplers	S. Graves	מאכל
Session	79	(Last Name, 1st Initial)	11 11-5	ار د
Date	4/19/2022		TI. LICOLD	

Sample 15	Location Name	Sample taken?	sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN220419-N-1 Kalepolepo North	po North	7		7:53	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP220419-N-1 Waipuilani Park	ani Park	M		8:21	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS220419-N-1 Kihei South	South	V		8:39	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP220419-N-1 Kalama Park	a Park	D		4:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

Signature (Team Lead):

Printed Name:

Team	Wailea-Makena	Samplere	SAUSA B and Shane M.	Meters and Probes ID	robes ID		
	Session 79	(Last Name,		HQ40d: \	7	21000: 1	
		1st Initial)		<u>ن</u>	DO: 1	Salir	Salinity: ,3
Date	04/20/2022			hii.)

	camp	_	ø	Φ	Q
People (within 100 it)	beach	3	4	4	古
People	water	4	7	4	
		77.6	60.1	1.98	2.08
	Turbidity (NTU)	17.6	1.38	1.94 1.88 4	2.00
		(3.8	25	1.39	1.95
	pH 8-8.3 normal	8.09	8.15	8.12	95.2 8.08 1.95 2.00 2.08 7
Oxygen	(%) 85-105 normal	93.8 8.09 13.8 17.6 17.6 4	776	W2.3	95.2
Dissolved Oxygen	(mg/L)	6.51	2) 60.1 85.1 85.1 51.8 27.6 75.9	35.7 6.95 62.3 8.12 1.39	6.47
	(ppt) 30-35 normal	24.8 32.2 6.51	15.2 35.3	35.7	35.1
	Temp (°C) variable	24.8	7:51	14.7	9:40 24.9
	Time (of collection)	B:30	4.14	9:30	07.6
	Freshwater Flowing (Y/N)	Z	マ	Z	Z
	Location Name Sample ID	Cove Park	S Maluaka Beach	Ahihi Kinau North	Ahihi Kinau South MAS220420

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

pre reading	Sample
451)	,
bothe	
turb	
9	V V
empty of turb bottle	WAI'
0.19	1
Read	

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	40.0	6.57	57.5	565
Pre-sampling	6.06	6.55	57.1	565
Post-sampling	40.0	6.57	57.5	Ses

	# of samples	Relinquished to	Contact
Sediment	1	ī	1
Nutrients	7	2MS	1. Stark
Bacteria		1	1

Signature (Team Lead):

Printed Name:

(ara Stark

Sites with potential for freshwater flow: Cove Park

Samplers SOUSA, B. (Last Name, 1st Initial) SNOWPE + M.	
Samplers (Last Name, 1st Initial)	
Wailea-Makena 79 04/20/2022	
Team W Session 79 Date 04	

	500 ml	500 ml	500 ml	500 ml
Sediments				

Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters

125 ml

9: 40

Z

Ahihi Kinau South

MAS220420-N-1

Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters

125 ml

4:14

D

S Maluaka Beach

MMB220420-N-1

Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters

125 ml

8:30

D

Cove Park

KCP220420-N-1

Nutrients

Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters

125 ml

9:30

D

Ahihi Kinau North

MAN220420-N-1

Signature (Team Lead):

Printed Name:

	Team	North Kihei	Samplers	JON 0	Meters and Probes ID	0	
CCOC/1C/PO	sion	79	(Last Name,		HQ40d: 1	21000	7 ∺
	9	20071070	1st Initial)	J. Stark	pH: 5	<u>-</u>	Salinity: 3

	du					
100 ft)	camp	0	0	0	0	0
People (within 100 ft)	beach	0		5	3	0
People	water	0	0	0	0	9
		1.88	7.37	3.49	44.0	7.7
	Turbidity (NTU)	2.03	1.51	3.50	0.94	20.1
		1.96	5.73	3.73	0.96	76.4
	8-8.3 normal	8.14	8.09	8.17	8.19	8.15
Oxygen	(%) 85-105 normal	91.7	105.6	99.9	18.8	91.9
Dissolved Oxygen	(mg/L)	6.32	7.45	6.85	1 6.71 78.8 8.19 0.96 0.94 0.94	6.64
Colinity	(ppt) 30-35 normal	24.0 35.3 6.32 91.7 8.14 1.96 2.03 1.88	33.0 7.45 105.6 8.09 5.77 7.51 7.37 O	8.30 24.2 35.6 6.85 99.9 8.17 3.723.50 3.49	36.1	9:10 25.0 35.3 6:64 97.9 8.15 76.4 20.1 21.7 6
	Temp (°C) variable	24.0	13.9	24.2	8:50 246 36.	25.0
	Time (of collection)	80,5	8:15 23.9	8:30	8:50	9:10
	Freshwater Flowing (Y/N)	Z	Z	7	Z	Z
	Location Name Sample ID	Maalaea Harbor NMH220421	Maalaea Condos NMC220421	Haycraft Park NHP220421	Kealia Pond NKP220421	Kihei Canoe Club NKC220421

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

TURBIDITY VERIFICATION

NMC. And (likelyfrom importion) - not from NMC. And from or round. 4th reading: 9.58 - can see debus theating around. It sample.

NHP: ward loves more clear than wever that

NKP: Dive Flory Man smapling site

NKC: WARDY LOOKS Brown (Very)

57,8 Med (+/- 1.80) 57.5 Printed Name: Relinquished to 6.62 NMS Low (+/- 0.18) 6.57 CHAIN OF CUSTODY INFORMATION (must be <0.10) # of samples 0.06 D.07 0.06 Signature (Team Lead): Post-sampling Pre-sampling Nutrients Standard Sediment Bacteria

Contact

1. Start

565

25

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

MANNEM

marke

Venia St-Louis

plers A. wolf	Initial) T. Storr K	
North Kihei		04/21/2022
Теаш Noi	Session 79	Date 04/2

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NMH220421-N-1	Maalaea Harbor	Ø			125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC220421-N-1	Maalaea Condos	70			125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP220421-N-1	Haycraft Park	Ø			125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP2203421-N-1	Kealia Pond	Þ			125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC220421-N-1	Kihei Canoe Club	Д			125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments 500 ml 500 ml

:(p)			
(Team Lead)		de	3
gnature (-	Lo my	and the

Printed Name:

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