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



Session No: Verifiers (pre-sampling): Pre Date: Pre Time: **Post Time:** Verifiers (post-sampling): Post Date: T.Stark, G. Burrette T. Stark 11:30 am 11 15 21 11/18/21 72 \$ 9:40 an V.S.

QA/QC Check	Inst#	Probe #	Last Cal Date			RE: ion Value		OST: tion Value	Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	NIST Exp. Date	Std Val	NIST 24.0 °C	NIST 24.7 °C	NIST — °C	NIST 25.3°C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	2	3	10/18/22		24.2		_		7	pre temp: 22.5°C	
	2	2				24.9		25.4		post: 17.4 °C	
Salinity			3 months	Std Val	Tap water 0.13	Salin Std 8	Tap water 0.13	Salin Std 9 15 2 date 35.6 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	2	3	11/15/21		0.18	33.8	-			Using U.13 ppt for temp water We back at NMS.	
	2	2	11/15/21		0.17	33.3	0.15	33.3		Using U.13 ppt for trup water We back at NMS. Used salinity secondary std. from Monday (garafilmed over week)	
Dissolved Oxygen			1 year	Std Val	10	0%	10	0%	± 5 %		
	2	1	1007/2		96.1					Canting Oring in replacement Kit-reed to breen one	
٠	2	2	11/2/20		99.	8	100).6			
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	3	11/15/21		6.98	10.00					
	2	4	11/15/21		7.01	10.01	7.02	10.02			
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10 NTU	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	1	n/a	10 25 21		0.04	6.73				Low Std : 6.74	
1	2	n/a	10 25 21		0.04	6.21	0.04	6.21		Law Std: 6.14	

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

Lab: NMS

Wasable to fix Turb # 1 by patting from over batteries to keep them firmly in.

Team	Kamaole	Samplers	GRAVES, S. (SERIBEON4)	Meters	and Pro	bes ID		
Session	72	(Last Name, 1st Initial)	Hecht H	HQ40d	: 2		2100Q	: 2
Date	11/16/2021		Cyr, R	pH:	4	DO:	2	Salinity: 2_

				Salinity	Dissolved	Oxygen					People	(within 1	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	ê	Furbidity (NTU)		water	beach	camp
Kalepolepo North NKN211116	N	8 Am	25.9	33.7	5.88 5.88	87.2	8.11	1.72	1.80	2.31	See NO	te_	-6
Waipuilani Park KWP211116	· N	8:18	25.4	32.7	5,99	88.1	8.05	12.7	12,2	12.7	Ø	3	Ø
Kihei South KKS211116	. N	8.39	26.3	33.5	5.77	86.1	8.06	5,00	5.15	4.42	15	İ	Ø
Kalama Park KKP211116	N	8:55	26.0	34.6	6,49	97.4	8.12	5.30	4.72	4.47	0)	Φ

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).

Use the back of the form if needed.

NKNS4 Kihei Canceboods upon
Shoren 3 of people at fish pond standing on sand beach
within 100 feet, boods and People.

806 probes in 420 809 start receding

KWP: 825 in - 3:29 Start reading Probes

UKS 841 in - 8:43 Read.

KKS:841 in -8:43 Read. KKP: 9:00 in =>9:03 read

Sites with potential for freshwater flow: All

TURBIDITY VERIFICATION						
	Blank (must be < 0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)		
Standard	0.04	6.14	53.5	579		
Pre-sampling	0.04	6.20	53.1	579		
Post-sampling	0.03	6.20	53.4	579		

The state of the s	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	4	NMS	T. Starle
Bacteria	-	-	_

Signature (Team Lead):	Printed Name:	
Grander.	Tiara Spark	

Team	Kamaole	Samplers	Graves, S.	Cyr, M.
Session	72	(Last Name, 1st Initial)	Heant, H.	Cax B.
Date	11/16/2021		() () () ()	05/1/

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
itrients							
NKN211116-N-1	Kalepolepo North	E		8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP211116-N-1	Waipuilani Park			8:18	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
YYYYCAAAAA NI A	Kihei South	Ø		8:39	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS211116-N-1	Kiner South	/		0		CONTROL DE LA CO	
KKS211116-N-1	Kalama Park	4		8:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP211116-N-1					125 ml	Washed, rinsed syringes; acid washed	
		4			125 ml	Washed, rinsed syringes; acid washed	
KKP211116-N-1					125 ml	Washed, rinsed syringes; acid washed	
KKP211116-N-1						Washed, rinsed syringes; acid washed	
KKP211116-N-1					500 ml	Washed, rinsed syringes; acid washed	

Signature (Team Lead):	Printed Name:	
traker	Ting Starle	

Wolfe, A, Sousa B, Sharper M Team Wailea-Makena **Meters and Probes ID** Samplers (Last Name, 2 2 Session 72 HQ40d: 2100Q: 1st Initial) 11/17/2021 Date Salinity: 2 pH: DO: 2

				Salinity	Dissolved	Oxygen			COLLIN AS BANGGARA	- 1	People	e (within 1	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
Cove Park KCP211117	N	8:30	26.5	32.3	5.99	89.2	8.08	1.97	2.84	2.97	20095	0	Yes
S Maluaka Beach MMB211117	N	9:10	26.7	35.Z	651	99.0	8.16	0.63	0.58	0268	4	16	Ò
Ahihi Kinau North MAN211117	\wedge	9:20	26.8	34,6	7.62	1156	8,12	2,44	Z.86	2.2	6	12	0
Ahihi Kinau South MAS211117	\wedge	9:42	26.9	34,4	6.54	99.4	8.09	0.84	0,88	0.81	7	5	0

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

COVE: 2 dogs in H20 Fish Campers @ Shore = permanent site

* 4th Reading: 3.19

TURBIDITY VERIFICATION					
	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)	
Standard	0.03	6.14	53.5	579	
Pre-sampling	0.05	6.21	53.3	580	
Post-sampling	0.03	6.19	53.6	579	

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

Signature (Team Lead):

Sites with potential for freshwater flow: Cove Park

Printed Name:
Tiava Stark

Team	Wailea-Makena	Samplers	Wolfe, A.	Clarace N	
Session	72	(Last Name, 1st Initial)	Sousa, B.	Sharpe, M.	
Date	11/17/2021				

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
KCP211117-N-1	Cove Park	Ŋ		8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB211117-N-1	S Maluaka Beach	A.		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN211117-N-1	Ahihi Kinau North	A		9:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS211117-N-1	Ahihi Kinau South	A		9:42	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	
		500 ml	
•		500 ml	
		500 ml	

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

Team	North Kihei	Samplers	BURNETTE G.	Meters and P	Probes ID	
Session	72	(Last Name, 1st Initial)	RAHR E	HQ40d: 2	210	00Q:2
Date	11/18/2021		Drugg.	рН: 4	DO: 2	Salinity:2

	Touchaster T			Salinity Dissolved Oxygen				People (within 100 ft)			
Location Name Sample ID	Freshwater Flowing (Y/N)	Time (of (°C) variable (°C) variable (of collection) variable (°C) variable (of collection) variable (of collection) variable (of collection) variable (of collection) (of col	Turbidity (NTU)	water	beach	camp					
Maalaea Harbor NMH211118	N	0750	26.2	34.9	6.04	90.8	8.12	0.71 0.73 6.71	0	6	0
Maalaea Condos NMC211118	N	0810	26.3	34.3	6.77	101.7	8.07	0.92 1.07 563 0.87	2	0	Ö
Haycraft Park NHP211118	. —	0830	26.5	34.6	6.42	97.0	8.12	3.73 3.62 3.88	1	5	0
Kealia Pond NKP211118	N	0850	26.1	35.4	6.63	99.9	8.17	0.58 0.64 0.65	1	1	Ŏ
Kihei Canoe Club NKC211118	N	0910	26.7	34.7	6.56	99.5	8.14	1.53 1.55 1.57	0	20	0

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

BOTH METERS WORKED WELL TODAY

DOUBLE CANDE SUST PLLLED FROM BEACH SALENTY AT NKP ABOUR 35 WHICH IS NOW MAN THANK

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

	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	High (+/- 18)
Standard	0.03	6.14	53.5	579
Pre-sampling	6.05	6.25	534	580
Post-sampling	0.05	6.21	53.5	579

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

Signature (Team Lead):

Printed Name:

Tiara Stark

Team	North Kihei	Samplers	Burrette, G.
Session	72	(Last Name, 1st Initial)	
Date	11/18/2021		Bahr, F.

Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Jutrients							
NMH211118-N-1	Maalaea Harbor	Ø		7:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC211118-N-1	Maalaea Condos	0		8:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP211118-N-1	Haycraft Park	₽⁄		8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP211118-N-1	Kealia Pond	a		8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC211118-N-1	Kihei Canoe Club	Q		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	

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