

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

December Compare December	Session No:		Verifie	Verifiers (pre-sampling):	ling):	A	Pre Date:	Pre Time:		Verifiers (post-şar	Post Date:	Post Time:
NISTER Profe	76	\vdash	Wheth	. T. Stank			1/22	9:45 an	6.1	LAWERTE T.S	2/4/22	
NIST m/a NISTEAP Std NIST	QA/QC Check	Inst#	Probe	Last Cal Date		PI Verificat	E: ion Value	PO Verificat	ST: tion Value	Acceptable Range	Comments/ Notes	QA?
2	Temperature	-	n/a	NIST Exp. Date	Std Val	NIST 25.7°C	NIST 26.0 °C	NIST 26. Pc	NIST	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
1		72	7	10/15/21		25.8		1.92				
1		7	W	•			26.1		1)			
2 2 1/4/72 6.24 33.6 0.25 33.8 1 1 1 1 1 1 1 1 1	Salinity			3 months	Std Val	Tap water 6.16	Salin Std		Salin Std	tdd l ±	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
2 3 4/4/72 0.26 33.8 2 2 1/6/74 100% 100% ±5% 2 1/2/6/74 100.6 44.74 2 1/2/6/74 100.6 44.74 2 1/2/6/74 100.6 44.74 3		7	7	22/10/2		W.0	33.6	0.25	33.8		TAP WATER FOUR GEVALL	
1 1 1 1 1 1 1 1 1 1		7	п	2/4/2		0.76	33.8	١)			
2	Dissolved Oxygen			1 year	Std Val	10	%0	10	%00	7 ≥ %		
2 1 12/16/21 100.6 PH 10.00 PH 10.00 PH 10.00 PH 10.00 PH 10.00 PH 34d value 2 4 2 1 12 1 12 12 12		7	4	12/16/21			∞.	99.	+			
H 2 Weeks Std pH 7.00 pH 10.00 pH 10.00 pH 10.00 pH std value 2 4 2 W 2 7.01		7	1	12/18/21		100	9.		1			
1 4 2 14 2 14 2 14 2 14 2 14 2 14 2 14 2 14 2 16 16 16 16 16 16 16	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	
2 5 2 14 22		4	7	2/14/22		7.01	10.03	10.7	10.01			
Std BLANK LOW 1-10 Low 1-		4	N	2/11/22		7.01	10.04	20%	}			
2	Turbidity			3 months	Std Val	BLANK <0.1	TOW 1-10	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
2	-		n/a	1/24/22		0.08	5. 9	1			Langto: 6.57	
* Are pre- and post within one week? * Delay times are ok? * Other equipment issues?	4		n/a	1/24/22		0.08	6.28	80.0	6.33		. 6.3	
		Are pre- al Jelay time Ather equi	nd post w ss are ok? pment iss	rithin one week'				Ser.	Q B	Sione D	Carrie Garden	

I cam Namaore	Sam	Samplers	D.Vin	D. Vingelent. Stark,		Grave	S. Graves, H. Hecht	2cht	Meters	Meters and Probes ID	an s		
Session 76	(Lat	(Last Name, 1st Initial)							HQ40d: 2	2	21	2100Q: 2	
Date 02/15/2022		,							pH: 4	,	DO: 2	Sai	Salinity: 2
				Colinity	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		(NTU)		water	beach	camp
Kalepolepo North NKN220215	2	8:05	23.3	34.5	6.56	93.2	8.16	5.83	20.00	61.9	0	R	Ø
Waipuilani Park KWP220215	Z	8:30	22.5	34.4	6.58	92.5	8.10		12.9	12.4	1	0	0
Kihei South KKS220215	Z	8:54	23.4	33.8	6.85	6.06	61.8	337	84.6	8.70	0	\bowtie	0
Kalama Park KKP220215	Z	9:15 23.	23.5	35.3	6.90	99.2	8,16	6.72	7.01	7.4	3	7	0
NOTES AND COMMENTS (trends, equipment problems, errors, concerns).	MENTS (trend	s, equipment	problems, en	ors, concerns)		TURBI	TURBIDITY VERIFICATION	IFICATIO	N				
NEW ONTO That to walk above the charelies	to walk	atora	the char	d	G(1051			BI (must b	Blank (must be <0.10)	Low (+/- 0.18)	Med (+/- 1.80)	p; (08:	High (+/- 18)
The Roll Broke	0.00		3			Standard	rd	0.08		6.32	54.6		too
はた、Jank	0000					Pre-sampling	apling	80.0		6.25	53.	04	605
NIVA . Probes in water for 3 minutes	water Gar	3 minus	65			Post-sampling	mpling	0.08		6.34	54.	4	900
		1	of the	30	probes.	<u></u>	CHAIN OF CUSTODY INFORMATION	ODY INFO	DRMATIC	NO	7		
KUP > Fasele boarder close to scriping	parder Clo	y e d	Sind	oto. Pic	Chi So Otho	1		# of s	# of samples	Reling	Relinquished to	ŭ	Contact
KKS . Small waves, Kind of basy furancy	is, Kind of	bus of the	range			Sediment	nt		1				1
						Nutrients	ıts	7		GBG	,5	T. Stave	Jan Jan
KKI - Shang work	Λ					Bacteria	a		,		1		1
						Signatu	Signature (Team Lead)	ead);		Print	Printed Name:		
Y A	Long Confession	motor flow	• 411			8	3	2)	1/19	Tear Star	as l)

* Field group training of Duringia (MMMPC intorn)

* Quanteury observation / for S. Granes & H. Hecht

Last updated July 2021

Team	Kamaole	Samplers	D. K.B	eer	1	1. Stank		
Session	92	(Last Name, 1st Initial)		Braves				
Date	02/15/2022		H. HC	する				
Sar	Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients								
NKN	NKN220215-N-1	Kalepolepo North	B	0	8:05	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP	KWP220215-N-1	Waipuilani Park	D	0	8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS2	KKS220215-N-1	Kihei South	Ø		8:54	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	v
KKP2	KKP220215-N-1	Kalama Park	Ø	0	9:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments								
			0	0		\$00 ml		
			0	П		500 ml		
			0	0		500 ml		
			0	0		500 ml		

Printed Name:

Signature (Team Lead):

Session 76 HQ40d: 2 2100Q: 2 Date 02/16/2022 PH: 4 DO: 2 Salinity	Feam	Wailea-Makena	Samplers	B. Sousa, J. Dun	B. Sousa, J. Dunning, M. Shavpe	Meters and Probes ID	robes ID	
pH: 4 DO: 2	Session	76	(Last Name, 1st Initial)			HQ40d: 2	210	0Q: 2
	Date	02/16/2022	,			pH: 4	, DO: 2	Salinity: 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		Turbidity (NTU)		water	beach	camp
Cove Park KCP220216	5	8:18	24.	1 35.3 6.84 99.7 8.11 7.82 7.32 7.35 3	48.9	4.14	8.11	7.82	7.32	7.35	3	2 2	8
S Maluaka Beach MMB220216	S	9:06	24,4	9:06 24,4 35.7 6.92 101.48.15 2.81 2.89 2.80	6.92	1014	8.15	2.81	3.89		Ø	Ø	Ø
Ahihi Kinau North MAN220216	9	9:32 24.3		35.7 7.33 1070 8.15 1.41 1.61 1.67 0	7.33	1070	8.15	1.41	1.61	1.5	Ø	Ø	Ø
Ahihi Kinau South MAS220216	5	9:48 24.	24.6	6 35.7 6.90 101.3 8.15 3.10 3.10 2.82	6.90	101.3	8.15	3.10	3.10	2.82	જ	10	Ø

NOTES AND COMMENTS (trends, equipment problems, errors, concerns). Jee the back of the form if needed.
cove park- large waves
S. Maluake - large shore breaking waves
Ahihi North- Repeat 9%-106.8

Pre-sam	Post-san	CHAIN
7	Ahihi North- Repeat 9%-106.8	RELIMPUSTAGE TO "GB6" - GANGE BANGTE'S CANAGE
	Ahihi North-	RELEMBUSH TO

	Blank	Low	Med	
	(must be <0.10)	(+/- 0.18)	(+/- 1.80)	(+/- 18)
Standard	0.08	6.32	54.6	607
Pre-sampling	0.16	6.29	54.5	909
Post-sampling	0.07	6.31	54.5	909
	# of samples	Relingu	Relinquished to	Contact
Sediment	1	•		
Nutrients	4	686		GENGE BRUDE
Bacteria	1			

	waiiea-iviakena	Samplers	COKA B	Dung	1			
Session 76		1e,	Current de	7				
Date 02/16/2022	2		HAMILE	ξ				
Sample ID		Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients								
KCP220216-N-1		Cove Park	泊		87:8	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB220216-N-1		S Maluaka Beach	115	0	90:6	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN220216-N-1	A	Ahihi Kinau North	ൕ	0	9:32	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS220216-N-1	A	Ahihi Kinau South	Ľ	0	87.9	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments								
			0	0		500 ml		
				0		500 ml		
			0	0		500 ml		
			0	0		\$00 ml		

Frinted Name: George 6 BUNNETTE 19

Feam	North Kihei		Samplers	RUNUE	THE G MAKH E	BAHN	15			Meters &	Meters and Probes ID	S ID		
Session	92	(La	(Last Name, 1st Initial)							HQ40d: 2	2	21	2100Q: 2	
Date	02/17/2022									pH: 4	2	DO: 2	Sai	Salinity: 2
					Salinity	Dissolved Oxygen	Oxygen					People	People (within 100 ft)	00 ft)
Locati	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
Maalac	Maalaca Harbor NMH220217	2	0750 23.8	23.8	35.7 * 6.41 92.7 8.16 0.65 0.75 0.81	14.9	92.7	8.16	0.65	0.75	0.81	0	0	D
Maalae NMC	Maalaca Condos NMC220217	2	0810 23.4	23.4	34.8	6.88 98.6 8.66 8.57 8.64 8.48	98.8	8.06	8.57	8.64	8.48	0	0	0
Hayer	Haycraft Park NHP220217	1	0825 23.7		35.7* 6.67 96.5 8.14	6.67	96.5	8.14	5.03	5.03 5.59 5.21	5.21	0	مر	0
None and Address of the Party o														

NOTES AND COMMENTS (trends, equipment problems, errors, concerns). Use the back of the form if needed.	MAN LANG AND WAY I THE GIVE TONAY
errors,	Mr. T
roblems,	9
pment p	The state of
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form if	A SOL
NOTES AND COMMENTS (tren Use the back of the form if needed.	18.
TES A	AL

0910 24.4 35.4 6.79 99.2 8.14 6.42 6.27 5.72

Kihei Canoe Club

NKC220217

Kealia Pond NKP220217

0850 23.7 35.8 6.90 100.1 8.19 0.98 0.92 0.91

CALM WINDS AND VENT LITTLE SINF TODAY 4 OF 5 BEACHES HAD 0/0 GREATON THAN 35 - MOSHY WORMAN I THINK

NKC- MULTERUG CANDES LANDENS AND BEALH Chowded wern fapolens

CHAIN OF CUSTODY INFORMATION

NKC - WATER LAS CLEMMEN TO OKT - FERST TENS SENCE WEAVE RAEN EVENT MANT WEEKS @ H60 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	0.07	6.32	34.6	607
Pre-sampling	0.07	6.34	543	909
Post-sampling	0.08	6.26	24.6	607

	# of samples	Relinquished to	Contact
Sediment	•	1	1
Nutrients	Z	989	Good Burden
Bacteria	•	•	1
Signature (Team Lead):		Printed Name:	
of my	Len Shill the	CONCO. BANETE IN	nrette ly

Team	North Kihei	Samplers	BURNETTE, 6.	K. 6.			,	
Session	92	(Last Name, 1st Initial)	00.00	· 4				
Date	02/17/2022		DHEAR, I					
Š	Sample ID	Location Name	Sample taken?	Duplicate sample?	Time	Volume	Protocol Notes	Comments
Nutrients	32							
NMI	NMH220217-N-1	Maalaea Harbor	×	0	0750	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMC	NMC220217-N-1	Maalaea Condos	É	0	0190	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NHP	NHP220217-N-1	Haycraft Park	也	0	0825	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP	NKP220217-N-1	Kealia Pond	16.		0850	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC	NKC220217-N-1	Kihei Canoe Club	78	0	0160	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments	ıts							
						500 ml		
				0		500 ml		

Signature (Team Lead): Printed Name: Bunlett W

500 ml

500 ml