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

SM- 4 Sta	Session No: Actificis:
41.01.01	Fre date:
WW Co.so	rre time:
12/20/17	LOSE: Date:
91:11	LOSI UIII e



		pН			Dissolved Oxygen			Salinity			Temperature	QA/QC Check
2	2		2	2		2	2		2	2		Inst#
2	1		2	1		2	-		5-2	1-3		Probe#
41181121	12/18/17		4/10/17	4(101)17		4119111	4/19/17		n/a	n/a	n/a	Last Cal Date
		PtS			PHS			Std			Std	
10.4	70.t	100 F	99.9	4.16	1.001	35	349	3.6	20.8	70.9	20.6	PRE: Verification Value
10.06	10.06	10.01	2	1		0.4	0.14	光0.14	8	Ŋ	9	n Value
81.F	1	90.t	8.86		7.001	34.8	1	35	24.5	1	24.3	POST: Verification Value
10.20	١	(0.0)	3		1.	0.14	i	0.14	in		w	ST: on Value
		± 3 % of calibration solution (6-8)			Post-check ± 5 % of pre-check (0- 100%)			± 3%, blank			± 1°C of NIST	Acceptable Range (Check range)
		6.79 - 7.21			80 120 %			33.95 - 36.05			Within 1°C	Comments/ Notes
												QA?

* Are pre- and post within one week?

* Delay times are ok?

* Other equipment issues?

Kamaole III KKT171219	Kamaole I KKO171219	Cove Park KCP171219	Kalama Park KKP171219	Kihei South KKS171219	Waipuilani Park KWP171219	Pocation Ivanie		4	Kamaole	Team/ Session
ole III 71219	tole I 71219	Park 71219	a Park 71219	South 71219	mi Park 71219	i Name	N. I.	Others Soll Graves, Mudry Quinn, Steve Pasolk	Notetaker:	
9:95	9:29	9:05	8:50	8:35	8:13	1 1186		COH Grav	Notetaker: Denna Howard	
25.4	25.2	25.2	25.0	25.1	24.5	(C) (ppt) (mg/L)	Temp	ces, Au	Hower	
35.1	34.9	33	H. 45	340	34.4	(ppt)	Sal	roby C	0	
6.58	6.44	6.22	44.9	6.04	G+47	(mg/L)	DO	MCIN		Sa Last Na
98.0	98.4	90.7	94.8	83.9	6.46	(%)	DO	Sec		Samplers Last Name, 1st Initial
09 108	8,20	8-12	8.14	8-12	000	nd		e Pas		Initial
9-95 25.4 35.1 6.58 98.0 8.18 ,69 .65	1.72	3.37	W. 99	7.32	20.1	10	1	8/K		
.45	9:29 25.2 34.9 6.44 98.4 8.20 1.72 1.20 1.	9:05 25.2 32.3 6.22 90.7 8-123.37 4.06 3.74	8:50 25.0 34:4 6.44 94.8 8.14 4.99 5.53 5.33	8:35 25.1 34.0 6.04 88.9 8.12 7.37 7.37 7.28	8:13 24.534.4 6,47 94.4 8.08 20.1 20.7 19.8	Turbland (MTC)	Maria No.			
.92	1.38	3,74	5,33	7.28	19.8	10)				
-	~	1	1	0	ند	TETES	W.	2100	40d:	Ins
ri	p	1	N	1	4	Dilleta	W.	2100q: Z	00	Instrument
(8)	UT	0	W	0	(In Water	People		×	t pH
S	8)	0	س	07	Beach	People (within 100 ft)			т н
1	1		0	(go	Сапар	100 ft)		2	# DO
0	0	0	0	0	0		TSS		80	Salinity #
	0	0	0	0	0	Duplicate ?	Nutrient		12/19/17	Date:

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Wind Direction (Trades? Kona?):	Rain Conditions (last 24 hours)	Cloud Cover (0-8):	Moon Day (from new)	Most recent Low & High tide Time Low (Lahaina station) indicate Falling or Rising Hig	
Kono	1	00	3	Low: 11:23am High: 5:25am (Falling)	

QA Notes and Comments (Trends? Equip problems? Errors? Concerns? Use back of form if needed.)

Compline & KWP

Waves: 0 ft = no waves; 1 ft = small waves; 2 ft = knee high; 3 ft = waist high Wind: 0 = calm, 1 = light air, 2 = light breeze, 3 = gentle breeze, 4 = moderate breeze People: Swimmers/Kayakers/Surfers, On beach, Campers

	Blank	Low	Med	High
Standard		5.85	54. 5	574
Pre	.06	48.5.84	54.6	573
Post	90.0	68.3	54.5	573

Signature (Team Lead):	Bacteria -	Nutrient (Sediment -	Total#of samples
OKa du		SMN		of Relinquished To:
Print name here:		Sofia		Contact

White QUALITY SAMPLING:

Kamaole 4	Team:
Donna Howard	Notetaker:
	Last Name, 1st Initial
12/19/17	Date:

						Sediment	KKT171219-N-1 Kamaole III	KKO171219-N-1 Kamaole I	KCP171219-N-1 Cove Park	KKP171219-N-1 Kalama Park	KKS171219-N-1 Kihei South	KWP171219-N-1 Waipuilani Park	Nutrients	Sample No Location Name
	0	0	0	0	0		0	- 0	. 0	B	. 19	[5]		Sample taken?
	0	0	0	0	0		0	0	0	0	0	0		Storm sample?
							9:46	01:70	9:15	8:50	δ:32	2:13		Time
400	500	500	500	500	500		125	125	125	125	125	125		(mL)
							Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		Protocol notes
	0	0	0	0	0		0	0	0	0	0	0		Comments

	00
	100
	2
	3
4	Signature (Team Lead):
7	3
7	20
2	=
~	9
5	ē

Sofa du la Sota

Ahihi Kinau South MAS171220	Ahihi Kinau North MAN171220	Makena Beach Shoreline MBS171220	Onculi MON171220	South Maluaka Beach MMB171220	Makena Landing MML171220	Location Mame		4	Makena N	Team/ Session
	North 220	teach ne 220	i 220	1 1 220	nding 220	vame		Others: 2	Notetaker:	
9.8.	38	41.9	8:55	8:30	8105	THE	1	Others Lory Tina	Aller	Samplers Last Name, 1st Initial
24.4	24.4	24.7	24.5	24.4	245	0	Temp	7.7	od w	
34.3	35.2	35.4	35.3	353	254	(C) (ppt) (mg/L)	Sal	4	1017	
656	463	89.9	6.74	6.3	6.71	(mg/L)	DO			Sa Last Na
85	93.4	8.3	989	99.0	4.89	(%)	DO			Samplers Name, 1st
31.50	41.8	¥31	8.28	8.30	8.31	nd	1			Initial
0.88	0.72	0.5	1.67	480	1-11					
9.56 24.4 34.3 6.56 95.5 8360.58 0.93 0.97	856 24.4 35.2 637 93.48.17 0.72 0.76 0.87	9.17 24.7 35.4 6.68 94.3 \$31 0.55 0.59 0.55	8:55 24.5 35.3 6.74 98.9 8.28 1.67 2:37 1.	8:30 24.4 353 6.75 79.0 8.30 0.84 0.92 1.23	8005 245 354 671 986 8.31 1.11 1.46 1.	Introduty (NIO)	A STATE OF			
0.97	0.87	0.55	1.85	1.23	1.14	10)				
-	0	-	2	12	0	n aves		2100q: 2	40d: 2	Ins
N	-	7	4	4	N	17 180		q: 2	2	Instrument #
0	0	0	0	0	0	In Water	People			
0	C	2	0	0	do	Beach	(within		2	pH #
0	0	0	0	0	0	Сатр	People (within 100 ft)		2	# #
0	0	0		0	0		TSS		2	Salinity #
	0	0	0	0	0	Duplicate ?	Nutrient		12/20/17	Date:

COASTAL AND ENVIRONMENTAL CONDITION NOTES

Most recent Low & High tide Time (Lahaina station) indicate Falling or Rising	Low: 12pm High: 5:57am (Falling)
Moon Day (from new)	3
Cloud Cover (0-8):	०२
Rain Conditions (last 24 hours)	Nist
Wind Direction (Trades? Kona?):	Trades
Streams flowing? (Y/N)	N

QA Notes and Comments (Trends? Equip problems? Errors? Concerns? Use back of form if needed.)

Waves: 0 ft = no waves; 1 ft = small waves; 2 ft = knee high; 3 ft = waist high Wind: 0 = calm, 1 = light air, 2 = light breeze, 3 = gentle breeze, 4 = moderate breeze People: Swimmers/Kayakers/Surfers, On beach, Campers

	Blank	Low	Med	High
Standard		58,8	54.5	578
Pre	0.05	5.76	54.3	573
Post	0 06	6.23	54.9	5t2

Signature (Team, Lead):	Bacteria	Nutrient	Sediment	Tot sar
17.9		0		Total # of samples
Print		NMS		Relinquished To:
Print name here:		Sofia		Contact

WATER QUALITY SAMPLING:

Alla	Team:	Notetaker:	Last Name, 1" Initial
+	MAK - 4	Alfred Wolf	

						Sediment	MAS171220-N-1	MAN171220-N-1	MBS171220-N-1	MON171220-N-I	MMB171220-N-1	MML171220-N-1	Nutrients	Sample No
							Ahihi Kinau South	Ahihi Kinau North	Makena Beach Shoreline	Oneuli	South Maluaka Beach	Makena Landing		Location Name
	0	0	0	0	0		ब	回	, c	, 13	. 13.			Sample taken?
0	0	0	0	0	0		0	0	0	0	0	0		Storm sample?
							98:10	96B	9.17	8:55	8:30	29.8		Time
500	500	500	500	500	500		125	125	125	125	125	125		(mL)
							Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		Protocol notes
0	0	0	0	0	0		0	0	0	0	0	0		Comments

Signature (Team Lead):

Print name here: Shin de la Flor