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



Session No:	Verifiers:	Pre date:	Pre time:		Post time:
9	6. BURNETT LOT	uno 3/5/18	9:15	3/01/18	11:00

QA/QC Check	Inst#	Probe#	Last Cal Date			RE: tion Value		OST: tion Value	Acceptable Range (Check range)	Comments/ Notes	QA?
Temperature			n/a	Std	(Prose 1) 21.2	(PAOSE 2)	24.	4	± 1°C of NIST	Within 1°C	
	1	1	n/a		21.5		24.6				
	1	2	n/a			21.5	-	-			
Salinity				Std	0.13	33.0	0.13	33.0	± 3%, blank	33.95 - 36.05	
	1	1			0.14	33.9	018	33.7			
	1	2			0.14	34.0	-	-			
Dissolved Oxygen				Std	100%		100%		Post-check ± 5 % of pre-check (0- 100%)	80 – 120 %	
	1	1			98	.3%	78.6				
	2*	2				0%	-	-			
рН				Std	7.00	10.01	7:00	10.01	± 3 % of calibration solution (6-8)	6.79 – 7.21	
	1	1	3/5/18		7.03	10.04	7.04	10.07			
	1	2	3/5/18		7.03	10.05		-			

QA:

\* Are pre- and post within one week? \* SWAMED ON METER | AND USED

\* Delay times are ok?

\* Other equipment issues? METER # Z BECASE METER #1 WONLD SHUT ISSUE?

SEE WHEN PRESSEE READ. # 050 THIS 400.5 TEMBS AND WETH DEFFERENT PROCES.

Team Kamaole	Complem	BROWN, M	PASELK, 3	HOVARD, D	Meters and P	robes ID		
Session 9	Samplers (Last Name, 1st Initial)	BUNNETT, 6			HQ40d: 66	02	2100Q:	1
Date 03/06/18	1st mittal)				pH: 1	DO: 1		Salinity: 1

Location Name		Тетр	Salinity	Disso Oxy;		Turbidity V		Waves	Wind	People	e (within	100 ft)	TSS	Nutrient		
Sample ID	Time	(°C)	(ppt)	(mg/L)	(%)	рН		(NTU)		(0-3)	(0-6)	water	beach	camp	100	duplicate
Waipuilani Park KWP180306	7.56	21.4	31.9	483	93.3	8.09	24,7	26,3	26.2	2	0	0	1	6	0	
Kihei South KKS180306	8:15	23.4	32.9	4.22	87.9	8.13	7.60	7.60	7:27	1	1	1	2	0		0
Kalama Park KKP180306	8:33	23.5	34.6	4.79	97.2	8.16	9.08	10.2	10.5	3	1	4	0	0	0	
Cove Park KCP180306	8:51	24.4	33.3	6.50	43.8	8.14	2.45	3-22	3.94	1	0	20	0	1	0	
Kamaole I KKO180306	9:10	24.8	35.0	4,77	99.2	8.19	.78	-87	1,08	-1	0	2	12	0	0	0
Kamaole III KKT180306	9:30	24.7	34.9	6.76	99.1	8.18	1.05	.42	.77	0	1	10	30	6		: waist high

Waves: Oft: no waves; 1ft: small waves; 2ft: knee high; 3ft: waist high Wind; 0: calm; 3: gentle breeze; 6: strong breeze

COASTAL AND ENVIRONMENTAL	CONDITIONS
Most recent tide time (falling or rising)	Low: 12:34 pm High: 6:34 am (falling)
Moon day (from new)	20
Cloud cover (0-8)	1
Rain conditions (last 24 hrs)	MORE
Wind direction (Trades/Kona)	HOME GOS TIMOS
Streams flowing? (Y/N)	W

ck of the form		Anne-	was with the
MONDATA			WORLD METER A

URBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.07	5.95	56.6	590
Pre-sampling	0.05	6,01	56.8	591
Post-sampling	0.05	5.98	56.9	591

CHAIN OF CU	ISTODY INFORMAT	TON	
	# of samples	Relinquished to	Contact
Sediment	0		
Nutrients	6	MMS	66rce bushow
Bacteria	0		

Signature (Team Lead):	Printed Name:
Signature (Team Lead):	GEORGE G. BUNDETTE BE
DY1 100	CONGE O. O

Team	Kamaole	Samplers (Last Name,	BROWN, M PASELE, S HOVERD, D.
Session	9	1st Initial)	BURNETE, G.
Date	03/06/18		D'acque, c

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients		,					
KWP180306-N-1	Waipuilani Park	th.	0	7:56	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS180306-N-1	Kihei South	th		8:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP180306-N-1	Kalama Park	R		8:33	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP180306-N-1	Cove Park	R		8:51	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKO180306-N-1	Kamaole I	4	0	9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKT180306-N-1	Kamaole III	8		9:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
		0			500 ml		
		0			500 ml		
					500 ml		
		0			500 ml		
					500 ml		
			0		500 ml		

Signature (Team Lead):

Signat

Team	Makena	Clast Name Wolfer & Lander L	Withberger, To	Meters and	Probes ID			
Session	9	(Last Name, 1st Initial)	Dunning, J	Lowder, L	HQ40d: 1		2100Q: 1	
Date	03/07/18	- In third in	Fries, 8	Burnette, G.	pH: 1	DO: 1	S	alinity: 1

1		Tomas	C. H. I	Dissolved	Oxygen	Troublitte		Turbidity V		Waves	Wind	People (within 100 ft)				Nutrient
Location Name Sample ID	Time	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	pН		(NTU)		(0-3)	(0-6)	water	beach	camp	TSS	duplicate
Makena Landing MML180307	8:13	23.7	35.1	6.71	96.7	8,16	1.51	2.07	1.89	1	Ø	Ø	Ø	Ø	0	0
S Maluaka Beach MMB180307	8:30	23.8	34.7	6.84	98.6	8.18	0.79	1.06	0.89	1	P	3	5	Ø		
Oneuli MON180307	8:58	23.9	35.6	6.81	98.7	8.14	2.12	2.15	2.06	1	d	25 E	5	Ø		
Makena Beach MBS180307	9:19	24.3	35.7	6.80	99.5	8.20	0.37	0.34	0.35	1	Ø	Ø	30	Ø		
Ahihi Kinau North MAN180307	9:50	24.6	35.4	7.55	110.8	8.16	0.74	0.72	0.73	Ø	1	6	\$10	Ø		
Ahihi Kinau South MAS180307	9:55	23.9	34,8	6.78	98.5	8.08	0.94	0.80	0.84	1	Ø	10	20	Ø		

Waves: 0ft: no waves; 1ft: small waves; 2ft: knee high; 3ft: waist high Wind; 0: calm; 3: gentle breeze; 6: strong breeze

COASTAL AND ENVIRONMENTAL	CONDITIONS					
Most recent tide time (falling or rising)	Low: 1:05 pm High: 6:45 am (falling)					
Moon day (from new)	21					
Cloud cover (0-8)	4					
Rain conditions (last 24 hrs)	Ø					
Wind direction (Trades/Kona)	# GUS TRADES					
Streams flowing? (Y/N)	Ø					

NOTES AND CO Use the back of the	s, equipment	problems, err	ors, concerns).

TURBIDITY VE	RIFICATION	V		
	Blank,	Low	Med	High
Standard	0.05	5.95	36.6	590
Pre-sampling	0.04	5.97	56.8	591
Post-sampling	6.03	5.98	56.8	591

CHAIN OF CU	STODY INFORMAT	ION	
	# of samples	Relinquished to	Contact
Sediment	0		
Nutrients	6	NAS	GEVILLE BURNETE
Bacteria	0		

Signature (Team Lead):	Chaple 6. BUNKIE 63
by 8 pm x	CRUPER O. BURNETE 13

## Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Makena	Samplers	
Session	9	(Last Name, 1st Initial)	
Date	03/07/18		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
MML180307-N-1	Makena Landing	10/		8:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB180307-N-1	South Maluaka Beach	tt/		8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MON180307-N-1	Oneuli	ø,		8:58	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MBS180307-N-1	Makena Beach Shoreline	ø,		9:19	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN180307-N-1	Ahihi-Kinau North	ď,		9:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS180307-N-1	Ahihi-Kinau South	A		9:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
					500 ml		
					500 ml		
					500 ml		
					500 ml		
					500 ml		
					500 ml		

Signature (Team Lead);	Printed Name:
Signature (Team Lead);	660166 6. BUNDETTE ES

Team	m North Kihei Samplers Revu Norte	Meters and Probes ID						
Session	9	(Last Name, 1st Initial)	kanz		HQ40ds+2	HQ40d:+ I 2100Q: 1		
Date	03/08/18		411		pH: 1	DO: 1	Salinity: 1	

	1000			Dissolved	Oxygen	pH Turbidity (NTU)		m 1111		********	Wind	People (within 100		100 ft)		Nutrient
Location Name Sample ID	Time	Temp (°C)	Salinity (ppt)	(mg/L)	(%)					Waves (0-3)	(0-6)	water	beach	camp	TSS	duplicate
Haycraft Park NHP180308	8:00	22.9	34.5	6.79	96.1	8.14	5,56	5,47	5.61	0	2	0	0	0		0
Kealia Pond NKP180308	8:30	23	35.7	6.92	98,5	8.19	0.93	1,37	1,01	1	1	0	0	0		0
Sugar Beach NSB180308	8:50	23.6	35.7	6.88	98.0	8,17	1.62	1.89	1.73	B	6	0	2	0	0	0
Kihei Canoe Club NKC180308	9:10	23.9	35.1	6.72	96.9	8.15	1.57	2.802	1.90	9	1	0	3	0	0	0
Mai Poina Oe Iau NMP180308	9:27	23.3	34.0	6.71	95.8	8.13	3.60	4.21	3.75	0	1	0	2	0		0
Kalepolepo North NKN180308	9:47	23.3	32.1	6.96	97.7	8.16	4.45	5.17	5.85	0	2	0	0	1	0	O O

Waves: 0ft: no waves; 1ft: small waves; 2ft: knee high; 3ft: waist high Wind: 0: calm; 3: gentle breeze; 6: strong breeze

COASTAL AND ENVIRONMENTAL	CONDITIONS					
Most recent tide time (falling or rising)	Low: 1:45 pm High: 6:34 am (F)					
Moon day (from new)	21					
Cloud cover (0-8)	7.					
Rain conditions (last 24 hrs)	drizzle					
Wind direction (Trades/Kona)	Trades					
Streams flowing? (Y/N)	N					

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

TURBIDITY VERIFICATION							
	Blank	Low	Med	High			
Standard	0.03	5.95	56.6	590			
Pre-sampling	0,04	6.05	56.6	590			
Post-sampling	0.03	0.08	56.7	591			

CHAIN OF CUSTODY INFORMATION						
	# of samples	of samples Relinquished to Con				
Sediment						
Nutrients	6	NMS	Sofia			
Bacteria						

Signature (Team Lead):	Printed Name:
Signature (Team Lead):	Sopa de la sita

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	North Kihei	Samplers	liky, L	Grene, N	
Session	9	(Last Name, 1st Initial)	Thunwlm, K		
Date	03/08/18		chan 16		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
NHP180308-N-1	Haycraft Park	d		8:66	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP180308-N-1	Kealia Pond	Ø	0	8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB180308-N-1	Sugar Beach	Q	0	8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC180308-N-1	Kihei Canoe Club	Ø	0	9:16	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMP180308-N-1	Mai Poina Oe Iau	ď		9:27	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKN180308-N-1	Kalepolepo North	q		9:47	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
ediments							
			0		500 ml		
		0	0		500 ml		
		0	0		500 ml		
		0			500 ml		
					500 ml		
					500 ml		

Signature (Team Lead):	Printed Name:
Fella 6x	Sofia de la fta

Team	Wailea	Samplers (Last Name, 1st Initial)		Meters and Probes ID				
Session	9	(Last Name, 1st Initial)	Jarvie J.	HQ40d: 1		2100Q: 1		
Date	03/09/18		de la Sota, S	pH: 1	DO: 1	Salinity: 1		

Location Name		Temp	Salinity	Dissolved	Oxygen			Turbidity		Waves	Wind	People	e (within	100 ft)		Nutrient
Sample ID	Time	(°C)	(ppt)	(mg/L)	(%)	pН		(NTU)		(0-3)	(0-6)	water	beach	camp	TSS	duplicate
Kilohana Dr WKD180309	7:57	22.(	35.3	7.00	98.0	8.18	0.60	0.63	0.59	/	2	8	3	0	0	0
Keawakapu Beach WKB180309	8.20	22.3	34.8	6.94	97.2	8.17	0.98	1.57	1.01	/	2	8	12	0		0
Ulua Beach WUL180309	8:37	22.7	34.6	6.93	97.6	8.15	1.00	1.41	1.15	1	0	4	12	0		0
Wailea Beach WWA180309	9:13	22.8	35.3	6.93	98.3	8.18	1.07	0.98	0.81	2	4	Z	17	0		0
Palauea WPL180309	9:36	22.7	35.4	6.98	97.6	8.17	1.12	1.10	1.08	2	3	0	10	0		
Poolenalena WPO180309	10:00	23.6	35.2	6.91	99.4	8.20	0.31	0.33	0.37	3	4	1	1	0		0

Waves: 0ft: no waves; 1ft: small waves; 2ft: knee high; 3ft: waist high Wind: 0: calm; 3: gentle breeze; 6: strong breeze

COASTAL AND ENVIRONMENTAL	CONDITIONS	
Most recent tide time (falling or rising)	Low: 2:57pm High: 11:14pm, 03/08/18 (F)	
Moon day (from new)	22	
Cloud cover (0-8)	8	
Rain conditions (last 24 hrs)	N	
Wind direction (Trades/Kona)	T	
Streams flowing? (Y/N)	N	

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

TURBIDITY VERIFICATION							
	Blank	Low	Med	High			
Standard	0.03	5.95	56.6	590			
Pre-sampling	0.05	6.00	56.8	591			
Post-sampling	0.03	6.06	56.4	591			

CHAIN OF CUSTODY INFORMATION					
	# of samples	Relinquished to	Contact		
Sediment		-			
Nutrients	6	NMS	Sofia		
Bacteria					

Signature (Team Lead):	Printed Name:						
Falle le	Sofia de la Am						

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Wailea	Samplers (Last Name, 1st Initial)	Janie J						
Session	8		de la din tra	hia					
Date	02/23/18			, , ,					

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
WKD180309-N-1	Kilohana Dr	6	0	7:57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB180309-N-1	Keawakapu Beach	Ø		8:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL180309-N-1	Ulua Beach	Д	0	8:37	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WWA180309-N-1	Wailea Beach	4	0	9:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPL180309-N-1	Palauea	4	0	9:36	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO180309-N-1	Poolenalena	6		[0:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
		0			500 ml		
					500 ml		
					500 ml		
			0		500 ml		
					500 ml		
			0		500 ml		

Signature (Team Lead):	Printed Name:					
Signature (Team Lead):	so fia	de	la	Sotor		