☐ Temperature of incubator (in)

☐ Temperature of incubator (out)

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

Session No:	Verifiers:	Pre date:	Pre time;	Post: Date:	Post time:	
12	G. BURNETE L. OTOMO	4/16/18	9:05	4/20/18	11:20	



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			PRUBE 2) 27.9		± 1°C of NIST	Within 1°C	
	2	2	n/a		24.3		27.9				
	2	1	n/a			24.0					
Salinity				Std	0.13	33.0 ppt	0.13	33.0 ppt	± 3%, blank	33.95 – 36.05	
	2	2	3/19/18		0.18	33.5	0.16	32.7			
	2	1	3/19/18		0.19	33.7					
Dissolved Oxygen				Std	100	0%	100	%	Post-check ± 5 % of pre-check (0- 100%)	80 – 120 %	
	2	2	9/19/17		98	.4	99	.7			
	2	1	9/19/17		78	.7					
pН				Std	7.00	10.01	7.00	10.01	± 3 % of calibration solution (6-8)	6.79 – 7.21	
	2	2	4/16/18		7.03	10.06	7.05	10.07			
	2	1	4/16/18		7.03	10.05					

QA:

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

* Other equipment issues?

Team Kamaole	Samplers Brown M	Meters and Probes ID	
Session 12	(Last Name, Howard D. 1st Initial) Graves, S.	HQ40d: 2 210	00Q: 2
Date 04/17/18	Yaselles.	pH: 2 DO: 2	Salinity: 2

Location Name	Time	Temp	Salinity	Dissolved Oxygen		pH Turbidity		Waves Wind	People (within 100 ft)			TSS	Nutrient			
Sample ID		(°C)	(ppt)	(mg/L)	(%)			(NTU)		(0-3)	(0-6)	water	beach	camp	155	duplicate
Waipuilani Park KWP180417	8:02	24.8	33,4	6.38	92.6	8.06	11.8	11.0	11.6	Ø	Ø	0	Z	4		
Kihei South KKS180417	8:18	25.4	32.6	6.15	89.8	9.09	8.10	9,48	9.93	Ø	Ø	Ø	2	Ø		
Kalama Park KKP180417	9:37	25.5	34.7	6.68	98,9	8.17	8,33	10.60	8.51	1	0	1 Million	Ø	ø		
Cove Park KCP180417	5 :57.	25.9	32.3	6.70	98.5	8,15	3.73	4.32	4.47	1	6	70	Ø	0		
Kamaole I KKO180417	9:13	25.9	34.2	6.66	98.9	8.18	1.13	1.99	0,98	1	p	3	22	Ø		
Kamaole III KKT180417	9:33	25.6	34.1	6.70	99.3	8.17	1.29	1.68	1.35	1	1	\$ 50	200	P		

COASTAL AND ENVIRONMENTAL	CONDITIONS
Most recent tide time (falling or rising)	Low: 10:26 am High: 4:40 am (falling)
Moon day (from new)	2
Cloud cover (0-8)	8
Rain conditions (last 24 hrs)	B
Wind direction (Trades/Kona)	Theles
Streams flowing? (Y/N)	10000

NOTES AND COMMENTS (t	ends, equipment problems, errors, concerns).
Use the back of the form if need	

FURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.03	5.91	54.5	577
Pre-sampling	0.04	5,92	54.6	576
Post-sampling	0.06	5.86	54.6	575

CHAIN OF CUSTODY INFORMATION						
	# of samples	Relinquished to	Contact			
Sediment	0					
Nutrients	6	NMS	GEONEE BURNETE			
Bacteria	0					

Signature (Team Lead)	7 Prin
Mach How	_ #
Ley & Mille I.	Glore

Printed Name: BCOURS

Team	Kamaole	Samplers (Last Name,	Brown, m	HOWAND, O	
Session	12	1st Initial)	GRAVES, S	PASELK, S	
Date	04/17/18		0.	7 7 -	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
KWP180417-N-1	Waipuilani Park	6		8:02	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS180417-N-1	Kihei South			8:18	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP180417-N-1	Kalama Park	4		8:37	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP180417-N-1	Cove Park	6		8:57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKO180417-N-1	Kamaole I			9:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKT180417-N-1	Kamaole III			9:33	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):	CENCE G. BUNNEYE TO
Age & Jave to	CENTUR G. BUTTHERIE ID

Team	Makena	Samplers	Wildberger T, Lowder L, Fries S,	Meters and	Probes ID	
Session	12	(Last Name, 1st Initial)	Dunning J. BINNETT, 6	HQ40d: 2		2100Q: 2
Date	04/18/18			pH: 2	DO: 2	Salinity: 2

			61: 4	Dissolved	Oxygen				Waves	Wind	People	(within	100 ft)			
Location Name Sample ID	Time	re C'C	Salinity (ppt)	(mg/L)	(%)	рН			(0-3)	(0-6)	water	beach	camp	TSS	Nutrient duplicate	
Makena Landing MML180418	8:00al	n25.3	34.6	6.62	97.9	8.16	1.27	1.33	1.31	0	0	0	5	0		
S Maluaka Beach MMB180418	8:26	25.6	34.4	6.68	99.2	8.18	0.63	0.66	0.83	0	0	4	/	0		
Oneuli MON180418	8:45	255	33.7	6.69	98.9	8.10	1.35	1.33	1.32	1	3	2	12	0		
Makena Beach MBS180418	9:10	25.5	35.1	6-69	99.8	8.20	0.58	0.61	0.5%	0	0	1	10	0		
Ahihi Kinau North MAN180418									1							
Ahihi Kinau South MAS180418				_												

Most recent tide time (falling or rising)	Low: 10:57 pm High: 5:07 am (falling)
Moon day (from new)	3
Cloud cover (0-8)	2
Rain conditions (last 24 hrs)	,
Wind direction (Trades/Kona)	TRANS - = 55 660
Streams flowing? (Y/N)	

Use the back	of the fo	rm if nee	trends, equipment ded.		
MAN	ANY	MAS	LOCATIONS	CLOSED	Re
16 SH1	ARKS				

TURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0,06	5.91	54.5	577
Pre-sampling	0.05	5.93	54.8	576
Post-sampling	0.06	3.90	34.7	576

CHAIN OF CU	JSTODY INFORMAT	ΓΙΟΝ	
	# of samples	Relinquished to	Contact
Sediment	0 .,		62 34
Nutrients	6	Nons	GEVALLE MUNETE
Bacteria	0		

Signature (Team Lead):	Printed Name:	_
In MA in	CEORGE G. BURNETE	M

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Makena	Samplers	USLOGICER, T	CHWOEN, L.	FIRES, S	
Session	12	(Last Name, 1st Initial)	DUNNER J.	BUNNETE, 6.		
Date	04/18/18		Ocietoso, o.	70		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
MML180418-N-1	Makena Landing			8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB180418-N-1	South Maluaka Beach	12		8:26	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MON180418-N-1	Oneuli	d		8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MBS180418-N-1	Makena Beach Shoreline	ts/		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN180418-N-1	Ahihi-Kinau North	600 1			125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	BEARN CLOSED DUE TO SHANKS
MAS180418-N-1	Ahihi-Kinau South	EUT			125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	DUE TO SHANKS
Sediments							
					500 ml		
					500 ml		
					500 ml		
					500 ml		
					500 ml		
					500 ml		

Signature (Team Lead):

Printed Name:

Change 6. Bunders 15

Team	North Kihei	Samplers	Thundolm, Kathy Bahr, Flo Piley Renée	Meters and Pr	Meters and Probes ID				
Session	12	(Last Name, 1st Initial)		HQ40d: 2	210	2100Q: 2			
Date	04/19/18		Burnette, George Filey, Kenee	pH: 2	DO: 2	Salinity: 2			

Location Name		Temp	Salinity (ppt)	Dissolved Oxygen			Turbidity		Waves Win	Wind	People (within 100 ft)			TSS	Nutrient	
Sample ID	Time	(°C)		(mg/L)	(%)	pН				(0-3)	(0-6)	water	beach	camp	155	duplicate
Haycraft Park NHP180419	8:10	24.8	34.6	6.76	99.2	8.14	2,26	3.04	2.68	1665	2	0	1	0		
Kealia Pond NKP180419	8:40	24.8	35,0	6.74	98.9	8.18	2.82	3.96	2.77	1	2	0	1	0		
Sugar Beach NSB180419	9:05	25.4	34.7	6.65	98.5	8.16	3.62	4.16	3.92	1	2	3.	14	0		
Kihei Canoe Club NKC180419	9:20	23.8	34.2	6,68	99.3	8.15	2.37	3,30	2.31	1	2	Ø PK	8	0		
Mai Poina Oe Iau NMP180419	9:40	25.5	33.2	6.60	97.2	8.13	3.27	3.05	3.18	1	3	0	3	0		
Kalepolepo North NKN180419	(0:00	25.6	30.1	6.84	99.1	8-16	10.2	11.7	11.8	1	3	0	7	0		

COASTAL AND ENVIRONMENTAL	CONDITIONS	
Most recent tide time (falling or rising)	Low: 11:31 am High: 5:32 am (falling)	
Moon day (from new)	4	
Cloud cover (0-8)	7	
Rain conditions (last 24 hrs)	Yes	
Wind direction (Trades/Kona)	TRAGES	
Streams flowing? (Y/N)	No	

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13/12	Strates	JAPAR OI	1011.06	J/(100)	-6

TURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.06	5.91	34.5	577
Pre-sampling	0,03	5.90	54.6	575.
Post-sampling	6.07	5.93	34.5	575

CHAIN OF C	USTODY INFORM	IATION	
	# of samples	Relinquished to	Contact
Sediment	0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nutrients	6	NMS	GEORGE BURNETT
Bacteria	0		8

Signature (Team Lead):	Printed Name:
Son & MARK	GENER G. BURNETHE B
-0 / 0 / -	The state of the s

Team	North Kihei	Samplers (Last Name, THUNHSUM, K. BAHN, F.	
Session	12	1st Initial)	
Date	04/19/18	RILET, IL BUNGETTE, G.	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients		1					
NHP180419-N-1	Haycraft Park	TO.		8:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP180419-N-1	Kealia Pond	Ø,		8:40	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB180419-N-1	Sugar Beach	tz,		9:05	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC180419-N-1	Kihei Canoe Club	tt		9:20	125 ml	Washed ringed awinger said washed	
NMP180419-N-1	Mai Poina Oe Iau	td,		9:40	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKN180419-N-1	Kalepolepo North	ď		10:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
					500 ml		
ll li					500 ml		
					500 ml		
el					500 ml		
The second section of the second section of the second section of the second section s					500 ml		
					500 ml		

Signature (Team Lead):	Printed Name:	-
Ser & MATE	GENNEG BUNNETTE BE	

Team	Wailea	Samplers	MECET H WOLF A	
Session	12	(Last Name, 1st Initial)	Awart P 27 1	7
Date	04/20/18		Benderte, 6 F. JAKVIE, T	

Meters and	Probes ID		
HQ40d: 2		21000): 2
pH: 2	DO: 2		Salinity: 2

				Dissolved	Dissolved Oxygen								People (within 100 ft)				Nutrient
Location Name Sample ID	Time	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	pН		Turbidity (NTU)		Waves (0-3)	Wind (0-6)	water	beach	camp	TSS	duplicate	
Kilohana Dr WKD180420	7:57	25.5	34.7	6.67	98.9	8.17	1.91	0.65	0.71	î	0	G	12	0			
Keawakapu Beach WKB180420	8:23	25,7		6.69					0.83	i	0	2	8	0			
Ulua Beach WUL180420	8:42	25.6	34.2	6.71	99,5		0.99		1.30	1	0	12	14	0			
Wailea Beach WWA180420	8:55	25.6	37.7	6.71	99.8			1-13	1.01	1	0	3	17	0			
Palauea WPL180420	9:30	25.7	34.7		92.6	8.18		0.5	0.92	l	0	4	4	0			
Poolenalena WPO180420	9:48	26.1	3 4.7		1008		0.54		0.56	1	0	5	9	0		☐ 3ft: waist hi	

COASTAL AND ENVIRONMENTAL	CONDITIONS
Most recent tide time (falling or rising)	Low: 12:11 pm High: 5:55 am (falling)
Moon day (from new)	5
Cloud cover (0-8)	8
Rain conditions (last 24 hrs)	No
Wind direction (Trades/Kona)	Trade
Streams flowing? (Y/N)	N

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

TURBIDITY VEI	RIFICATION			
	Blank	Low	Med	High
Standard	0.07	5.91	54.5	571
Pre-sampling	0.09	5.93	34.6	576
Post-sampling	0.03	5.90	34.6	575

CHAIN OF CU	STODY INFORMAT	rion	T
	# of samples	Relinquished to	Contact
Sediment	C		
Nutrients	6	NMS	GENCH BLANETH
Bacteria	0		

Signature (Team Lead):	Printed Name:	1
ha later	GENCE 6. BUNNETE &	3

Team	Wailea	Samplers	HECHT, A.	WOLF A.	
Session	12	(Last Name, 1st Initial)	1	Lenish T	
Date	04/20/18		BURNETTE, 6.	JANVE J	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
WKD180420-N-1	Kilohana Dr	D.		7:57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB180420-N-1	Keawakapu Beach	12		8:23	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL180420-N-1	Ulua Beach	⊌,		8:42	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WWA180420-N-1	Wailea Beach	E,		8:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPL180420-N-1	Palauea	6		9:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO180420-N-1	Poolenalena	10		9:48	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:	1
Sollite 1	GENTA G. BUNJETT	13