☐ 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:
14	304a	George	05 14 19	0,20	05 18 18	



QA/QC Check	Inst#	Probe#	Last Cal Date		Verific.	PRE:		OST: tion Value	Acceptable Range (Check range)	Comments/ Notes	QA
Temperature			n/a	Std	21.2	21.0	28.7		± 1°C of NIST	Within 1°C	
	2	1	n/a			21.2					
300	2	2	n/a		21.5		28.8				
Salinity				Std	0.13	33.0	0.13	a 33.4	± 3%, blank	33.95 – 36.05	
	7	1	3/19/18	1	0.12	33.5					
	2	2	3/19/18		0.12	33.2	0.13	33.1			
Dissolved Oxygen				Std	100%	4	100	1.	Post-check ± 5 % of pre-check (0- 100%)	80 – 120 %	
	2	1	9/19/17		99.	8					
	2	2	9/19/17		100.	4	99.	2			
pH				Std	7.50	10.01	7.00	10.01	± 3 % of calibration solution (6-8)	6.79 – 7.21	
	2	1	4/30/18		7.03	1007					
	2	2	4/31/18		7.03	10.05	7.03	10.07		*	

QA:

* Are pre- and post within one week?

* Delay times are ok?

* Other equipment issues?

Team	Kamaole	Samplers Mitt h Trown	Meters and	Meters and Probes ID				
Session	ession 14 (Last Name, Danna Howard 1st Initial)	HQ40d: 2		2100Q	2			
Date		pH: 2	DO: 2		Salinity: 2			

Location Name	Time Temp Salinity		Disso Oxy		pН		Turbidity	y	Waves	Wind	People	e (within	100 ft)	mon	Nutrient	
Sample ID		(°C)	(ppt)	(mg/L)	(%)	pii		(NTU)		(0-3)	(0-6)	water	beach	camp	TSS	duplicate
Waipuilani Park KWP180515	7:45	24.3	33	5.93	85.5	8.01	5.90	5.42	5.29	1	1	5	5	6	0	0
Kihei South KKS180515	8:07	25.5	32.3	5.43	87.5	8.08	5.57	5.56	6.20	0	7	0	2	0	0	0
Kalama Park KKP180515	g: 27	25.4	34.2	6.85	101.3	3.15	5,79	5.64	4,05	1	0	3	2	0		0
Cove Park KCP180515	8:44	26.0	32.0	701	103.4						3	1*	2	0		
Kamaole I KKO180515	9:00	24.2	33.8	6.66	99.7	8.17	0.72	1.50	.92	2	9	15	20	0	0	0
Kamaole III KKT180515	9:23	25.6	34.3	4.70	99.5	8.16				2+	4	12	30	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: 3:34 am High: 9:24 am (falling)
Moon day (from new)	1
Cloud cover (0-8)	2+
Rain conditions (last 24 hrs)	0
Wind direction (Trades/Kona)	Trade Imph
Streams flowing? (Y/N)	10

NOTES AND COMMENTS (trends, equi Use the back of the form if needed.	pment problems, errors, concerns).
ATTEMPTS MUME ON PAESA MANDE WELL SHE AND 0.13,	BLACK CLOTH NOT USED]

TURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.05	5.91	54.5	577
Pre-sampling	0.13	5,92	54.7	576
Post-sampling	0.04	3.94	345	575

CHAIN OF C	USTODY INFORM	IATION	
	# of samples	Relinquished to	Contact
Sediment	0		
Nutrients	6	NAS	66 NE and enc
Bacteria	0		

Signature (Team Lead):	Printed Name:	/
Sen & MAST	GEORGE 6. BUNDETTE	B

Team	Kamaole	S 1	GRAVE, S	
Session	14	Samplers (Last Name, 1st Initial)	Brown, M	
Date	05/15/18		HOWARD, O	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
KWP180515-N-1	Waipuilani Park	0		7:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS180515-N-1	Kihei South	⊌′		8:07	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP180515-N-1	Kalama Park	₩,		8:27	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP180515-N-1	Cove Park	Ø		8:44	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKO180515-N-1	Kamaole I	0		9:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKT180515-N-1	Kamaole III	0		9:23	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
sediments							
		0			500 ml		
					500 ml		
					500 ml		
					500 ml		
					500 ml		
					500 ml		

Signature (Team Lead):	Printed Name;
Signature (Team Lead):	GEORGE G. BURPLETE B
124 V 12	Carre o i y i o o i

Team	Makena	Samplers	Lowder, L.	Meters and Pr	Meters and Probes ID				
Session	14	(Last Name, 1st Initial)	Burnette, G.	HQ40d: 2		2100Q: 2			
Date	05/16/18		parriere, v.	pH: 2	DO: 2	Salinity:	Salinity: 2		

				Dissolved	Oxygen					***	Wind	People (within 100 ft)				Nutrient
Location Name Sample ID	Time	Temp Salinity (Ppt) (mg/L		(mg/L)	(%)	pН	oH Turbidity (NTU)		(0-3)	Wind (0-6)	water	beach	camp	TSS	duplicate	
Makena Landing MML180516	0750	25.2	33.9	6.82	100.2	8.15	2.30	4.84	3.92	i	b	5	1	0		
S Maluaka Beach MMB180516		25,6	34,1	6.57	47,60	8.14	1.01	1.14	1.15	1	0	0	3	0	0	
Oneuli MON180516	0840	26.0	34.0	6.43	96.0	8.09	1.66	1.95	2.06	1	1	0	2	0		0
Makena Beach MBS180516	6911	No	7 SAN	ples 1	DE TO	HE6#	SHORE	BREI	K	3+			,		- 0	0
Ahihi Kinau North MAN180516	0926	26.0	34.7	7.41	111.1	8.14	1.80	3.09	2.15	1	1	3	5	0	0	0
Ahihi Kinau South	0946	201	33.8	6.46	97.2	8.05	1.48	1.72	1.78	0	1	2	12	0		

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: 4:07 am High: 9:58 am (falling)
Moon day (from new)	2
Cloud cover (0-8)	
Rain conditions (last 24 hrs)	6
Wind direction (Trades/Kona)	TADES
Streams flowing? (Y/N)	P/A

NOTES AND COMMI Use the back of the form	ENTS (trends, equipment problems, errors, concerns). n if needed.
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FURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.04	5.91	54.5	577
Pre-sampling	6.04	5,91	54.8	5.76
Post-sampling	0.07	5.88	54.7	575

CHAIN OF CU	STODY INFORMAT	TION	
	# of samples	Relinquished to	Contact
Sediment	0	Mary Town	
Nutrients	3	MAS	GESTER BURERE
Bacteria	0		

Signature (Team Lead):	Printed Name:
Su & Peto a	GEORGE 6. ANNETTE (4

Team	Makena	Samplers	LOWDER, L.	BURNETTE, 6	
Session	14	(Last Name, 1st Initial)	DUNNAG, T	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Date	05/16/18		October 10		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
MML180516-N-1	Makena Landing	₽/	0	0750	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB180516-N-1	South Maluaka Beach	ø,		0820	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MON180516-N-1	Oneuli	0		0840	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MBS180516-N-1	Makena Beach Shoreline			-	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	BRUNG WITHEN BREAK
MAN180516-N-1	Ahihi-Kinau North	12		0826	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS180516-N-1	Ahihi-Kinau South	0		0946	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
					500 ml		
					500 ml		
					500 ml		
					500 ml		
			0		500 ml		
					500 ml		

Signature (Team Lead):	Printed Name:	
Signature (Team Lead):	660168 6. BUNICA B	

Team	North Kihei	Samplers Riley, R	Meters and Probes	ID
Session	14	(Last Name,	HQ40d: 2	2100Q: 2
Date	05/17/2018	Thisnholmal	рН: 2	OO: 2 Salinity: 2

				Dissolved	Oxygen			To a bildia		Wassan	Wind	People	e (within	100 ft)	TSS	Nutrient
Location Name Sample ID	Time	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	pH		Turbidity (NTU)		Waves (0-3)	(0-6)	water	beach	camp	TSS	duplicate
Haycraft Park NHP180517	8:15	25.5	34.1	6.69	98.7	8.13	4.92	5.66	507	1	1	0	6	0		
Kealia Pond NKP180517	8:45	25.7	35.2	6.74	100	8,20	2.16	2.05	1.69	1	2	0	6	0		0
Sugar Beach NSB180517	01:03	26.1	34.7	6.75	101.1	8.17	2.97	488	4.13	î	1	0	9	0		0
Kihei Canoe Club NKC180517	9:20	26.4	34.0	6.71	100.8	8.13	2.67	4.02	3.17	1	0	0	5	0		0
Mai Poina Oe Iau NMP180517	9:35	20.7	32.0	6.71	100.2	0 1	3.92	4.78	5.00	1	0	2	8	0		0
Kalepolepo North NKN180517	9:56	26.6.	29.5	7:95H	987	39.34	4.05	4.17	\$4.34	1	9	V		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: 10:34 am High: 4:40 am (F)	
Moon day (from new)	4	
Cloud cover (0-8)	6	3
Rain conditions (last 24 hrs)	0	
Wind direction (Trades/Kona)	7	
Streams flowing? (Y/N)	N	

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

TURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.03	5.91	54.5	577
Pre-sampling	0.03	5.70	54,7	576
Post-sampling	0.04	5.87	54-8	575

CHAIN OF CU	F CUSTODY INFORMATION				
	# of samples Relinquished to		Contact		
Sediment					
Nutrients	G	hwe	sofia		
Bacteria		-			

Signature (Team Lead):	Printed Name:
Signature (Team Lead):	sofia de la str

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	North Kihei	Samplers	ales
Session	14	(Last Name, 1st Initial)	Thunkim
Date	05/17/2018		[1]OVI TE INC

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
NHP180517-N-1	Haycraft Park	6	0	8:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP180517-N-1	Kealia Pond	ď	0	8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB180517-N-1	Sugar Beach	0	0	9:03	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC180517-N-1	Kihei Canoe Club	6		9:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMP180517-N-1	Mai Poina Oe Iau	6	0	9:35	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKN180517-N-1	Kalepolepo North	ď	0	9:56	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		500 ml		
					500 ml		
					500 ml		

Signature (Team Lead):	Printed Name:
Jane 1	spi alush

Team	Wailea	Samplers	Holly , Sof.	a, Jady,	Seraph	Meters and	Probes ID	
Session	14	(Last Name, 1st Initial)	Hindae	Inie	D'ALL'TO	HQ40d: 2	21	00Q: 2
Date	05/018/18		A, Hew			pH: 2	DO: 2	Salinity: 2

Location Name		Temp	Salinity	Dissolved	Oxygen			Turbidity		Waves	Wind	People	e (within	100 ft)		Nudaland
Sample ID	Time	(°C)	(ppt)	(mg/L)	(%)	pH		(NTU)		(0-3)	(0-6)	water	beach	camp	TSS	Nutrient duplicate
Kilohana Dr WKD180518	8:10	25.7	35.1	6,60	98.4	8.15	0.84	0.59	0.43	1	1	2	2	0	0	0
Keawakapu Beach WKB180518	8:30	25.9	35.1	6.73	100.6	8.19	0.29	0,24	0,27	1	1	8	15	0		0
Ulua Beach WUL180518	8:55	263	34.3	6.76	10/3	8.14	1.20	1-13	1.13	1	1	3	35	0		0
Wailea Beach WWA180518	9:21	26.4	34.6					0.59	0.12	1	1	5	14	0	0	0
Palauea WPL180518	9:41	26.6	34.8		1068					1	2	0	2	0	0	0
Poolenalena WPO180518	10:01	26.5	34.8	6.71	1014	18.22	0.66	0.74	0.99	2	2	2	15	0		0

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: 11:13 am High: 5:15 am (F)	
Moon day (from new)	5	
Cloud cover (0-8)	4	-
Rain conditions in last 24 hrs (0-4)	10	
Wind direction (Trades/Kona)	no wind	
Streams flowing? (Y/N)	no	

Jse the back of	OMMENTS (trends, equipment problems, errors, concerns) the form if peeded.
WWA	leat in sample backet

TURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.04	5.91	54.5	577
Pre-sampling	0.05	5.94	54.7	576
Post-sampling	0.03	5.87	54.8	574

CHAIN OF CUSTODY INFORMATION					
	# of samples	Relinquished to	Contact		
Sediment		-			
Nutrients	6	NMS	Sofia		
Bacteria			١.		

Signature (Team Lead):	Printed Name:					
Signature (Team Lead):	Sofia de la	u sota				

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Wailea	Samplers	Hnage	Jarvie	
Session	14	(Last Name, 1st Initial)	pienca		
Date	05/18/2018		wolf		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
WKD180518-N-1	Kilohana Dr	R	0	8:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB180518-N-1	Keawakapu Beach	g g		8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL180518-N-1	Ulua Beach	O'		8:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WWA180518-N-1	Wailea Beach	Q		9:21	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPL180518-N-1	Palauea	र्ज	0	9:41	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO180518-N-1	Poolenalena	100	0	10.01	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
ediments							
		0			500 ml		
					500 ml		
		0			500 ml		
		0			500 ml		
					500 ml		
					500 ml		

Signature (Team Lead):	Printed Name:		1 1000	2000000
falle 61	vopa	de	6	Ft