☐ 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:
16	6. BUNGER S. ALLA 35KR	6/18/18	9:50	6/22/18	10:50



QA/QC Check	Inst#	Probe#	Last Cal Date		Verifica	PRE: Verification Value		Verification Value Verification Value			Acceptable Range (Check range)	Comments/ Notes	QA?
Temperature			n/a	Std	21.9	267	19.9		± 1°C of NIST	Within 1°C			
	2	2	n/a		22.1		19.1						
	2	1	n/a			21.9	-	-		40			
Salinity				Std	0.13	35,0	0.13	35.0	± 3%, blank	33.95 – 36.05			
	2	2	6/18/18		0.12	34.9	0.10	34.9		BOTTLE OPENED 3/19/18			
	2	1	6/15/18		0.12	34.9	-	-					
Dissolved Oxygen				Std	100	%	/00	8/-	Post-check ± 5 % of pre-check (0- 100%)	80 – 120 %			
	2	2	9/14/17		100.	3 %	98	.G /					
	2	1	9/19/17		97.	2%		-					
рН				Std	7.00	10.01	7.00	10.01	± 3 % of calibration solution (6-8)	6.79 – 7.21			
	2	2	6/18/18		7.03	10.06	7.03	10.08					
	2	1	6/18/18		7.03	10.06	-	-					

QA:

\* Are pre- and post within one week?
\* Delay times are ok?
\* Other equipment issues?

Team	Kamaole	Samplers	Scott Graves - NOTE TAKEY Mitch Brown Steve Paselhs	Meters and	Probes ID	
Session	16	(Last Name, 1st Initial)		HQ40d: 2		2100Q: 2
Date	06/19/18		News America	pH: 2	DO: 2	Salinity: 2

Location Name		Temp	Salinity	Disso Oxy			,	Furbidity	,	Waves	Wind	People	e (within	100 ft)	TOO	Nutrient
Sample ID	Time	(°C)	(ppt)	(mg/L)	(%)	pН		(NTU)		(0-3)	(0-6)	water	beach	camp	TSS	duplicate
Kalepolepo North NKN180619	8:01	26.1	33.6	5.78	86.2	8:14	2.39	2.14	2.46	0.5	1	0	3	0		0
Waipuilani Park KWP180619	8:22	25.2	31.7	6.30	91.6	8.10	14.7	15.5	16,2	0.5	1	0	1	1		
Kihei South KKS180619	8:40	26.4				8.16		8.07	6.95	0.5	1	100	6	0		0
Kalama Park KKP180619	8:59	264	34.1	6,59	99.1	8,16	8,41	8.97	8.86	-	(	1	6	0		0
Cove Park KCP180619	9:18	26.6	31.5	6.74	10013	8.14	2,23	2172	3.15	0.5	1	7	0	0		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: 3:51 am High: 9:15 am (rising)
Moon day (from new)	7
Cloud cover (0-8)	1.0
Rain conditions (last 24 hrs)	0
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 VE	RIFICATION		The state of the s	
	Blank	Low	Med	High
Standard	0.06	6.03	54.9	581
Pre-sampling	0.08	5.95	55.5	581
Post-sampling	0.05	6.88	53.4	581

CHAIN OF C	USTODY INFORM	IATION	
	# of samples	Relinquished to	Contact
Sediment	0.		
Nutrients	5	MAS	GERAGE BUKHETE
Bacteria	0		

Signature (Team Lead):	Printed Name:
her I Will to	GEORGE 6. BURNETE TO

Team	Kamaole	Samplers (Last Name,	GRAVES, S	PASELIK, S	
Session	16	1st Initial)	Brown, M	, , , , ,	
Date	06/19/18		District, .		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN180619-N-1	Kalepolepo North	0/	0	8:01	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP180619-N-1	Waipuilani Park		0	8:22	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS180619-N-1	Kihei South	8	0	8:40	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP180619-N-1	Kalama Park	8	0	8:54	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP180619-N-1	Cove Park	Ø	0	9:18	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
					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		
		0			500 ml		

Signature (Team Lead): /	Printed Name:
Sylpor	GOALE G. BURNETTE BY

Team	Makena	Samplers	Thery Tres, Teep Dunning,	Meters and	Probes ID	
Session	16	(Last Name, 1st Initial)	Tina Wildberger, Maile Sharpe	HQ40d: 2		2100Q: 2
Date	06/20/18			pH: 2	DO: 2	Salinity: 2

Location Name		Temp	Salinity	Dissolved	Oxygen	ygen		Turbidity			Wind	People (within 100 ft)				Noteleas
Sample ID	Time	(°C)	(ppt)	(mg/L)	(%)	pН		(NTU)		Waves (0-3)	(0-6)	water	beach	camp	TSS	Nutrient duplicate
Makena Landing MML180620	8:00	26.4	34.4	6.55	98.6	8.18	1.29	1.10	1.06	0	0	0	4	4	0	0
S Maluaka Beach MMB180620	8:25	27.0	34.9	6.54	99.8	8.18	1.26	1.28	1.22	0	0	6	2	0	0	
Oneuli MON180620	8:50	26.7	35.1	6.57	99.8	8.12	1.29	1.34	1.21	0	0	3	5	0	0	0
Ahihi Kinau North MAN180620	9:20	26.2	34.7	6.86	103.3	8.09	0.84	0.87	1.00	0	0	8	6	0		
Ahihi Kinau South MAS180620	9:25	26.1	35.2	6.27	94.5	8.13	0.45	0.55	0.50	0	0	6	12	0	0	
												,			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: 4:48 am High: 11:27 am (rising)
Moon day (from new)	8
Cloud cover (0-8)	3 w/some vog
Rain conditions (last 24 hrs)	rone
Wind direction (Trades/Kona)	North
Streams flowing? (Y/N)	NA

Use the bac	ND COMMENTS (trends, equipment problems, errors, concerns).  ek of the form if needed.
mmB	- demotition of Makena Coly Resor
MON	- 3 ra semple for NTU was redone as it was high @ 1.99

FURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.05	6.03	54.9	381
Pre-sampling	0.08	5,95	55,7	580
Post-sampling	0.06	3.97	55.4	581

CHAIN OF CU	STODY INFORMAT	FION	
	# of samples	Relinquished to	Contact
Sediment	0 × >		
Nutrients	5	MAS	CENER BUNGAR
Bacteria	0		

Signature (Team Lead):	Printed Name:	П
Signature (Team Lead):	GERGE G. BURNETTE BS	

Team	Makena	Samplers	FATES, S ONNAG, J
Session	16	(Last Name, 1st Initial)	- clouds on
Date	06/20/18		WEDBENGEN, T SHAME, I'M

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
MML180620-N-1	Makena Landing	1	0	8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB180620-N-1	South Maluaka Beach	d		6:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MON180620-N-1	Oneuli	0		8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN180620-N-1	Ahihi-Kinau North	00/	0	9:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS180620-N-1	Ahihi-Kinau South	0	0	9:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
			0		125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
		0	0		500 ml		
			0		500 ml		
					500 ml		
					500 ml		
			0		500 ml		
					500 ml		

Printed Name:
ance 6 Burred OB

Team	ion 16 (Last Name, Bahr, F.	Meters and I	Meters and Probes ID				
Session	16	(Last Name,	Bahr, F.	HQ40d: 2		2100Q: 2	
Date	06/21/2018	751 Additionly		pH: 2	DO: 2	Salinity: 2	

				Dissolved	Oxygen		m 11111			Wayne	Wind	People	(within	100 ft)		Nutrient
Location Name Sample ID	Time	(°C)	Salinity (ppt)	(mg/L)	(%)	pH		Turbidity (NTU)		(0-3)	(0-6)	water	beach	camp	TSS	duplicate
Haycraft Park NHP180621	8:12	26.3	34.7	G-72	101.2	8.15	2.G9	2.54	2.23	1	0	0	1	0		0
Kealia Pond NKP180621	8:38	259	35.2	6×2	100.6	8.18	1.16	1.26	1.04	1	U	0	2	0		0
Sugar Beach NSB180621	9.00	26.9	35.1	6.66	101.5	8.18	4.30	5.05	4,42	0	0	1獎	7	0		0
Kihei Canoe Club NKC180621	9:17	26.6	34.7		100.8		4.58	F4:33	4.75	0	0	0	0	0		0
Mai Poina Oe Iau NMP180621	9:32	27.2	33.5	6.55	99.4			2:01	1,94	0	0	3	2	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	The state of the s
Most recent tide time (falling or rising)	Low: 4:14 am (R) High: 11:09 am
Moon day (from new)	8
Cloud cover (0-8)	0
Rain conditions last 24 hrs (0-4)	0
Wind direction (Trades/Kona)	*T
Streams flowing? (Y/N)	7

NOTES A	ND COMMENTS (trends, equipment problems, errors, ex	oncerns).
Use the ba	ck of the form if needed.	

TURBIDITY VE	RIFICATION			
	Blank Low		Med	High
Standard	0.06	6.03	54.9	581
Pre-sampling	0.06	590	55.5	581
Post-sampling	0.04	5.99	55.6	580 .

CHAIN OF CU	STODY INFORMAT	TON			
	# of samples	Relinquished to	Contact		
Sediment					
Nutrients	5	MMS	SOKA		
Bacteria					

Signature (Team Lead):	Printed Name:
gular	sofia au la set

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	North Kihei	Samplers	Thunhim, K	
Session	16	(Last Name, 1st Initial)	Bayor, F	
Date	06/21/2018		hours, '	

Sample ID	ample ID Location Name Sample Storm Time Vol		Volume	Protocol Notes	Comments		
Nutrients							
NHP180621-N-1	Haycraft Park	6	0	8:12	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP180621-N-1	Kealia Pond	8	0	8:38	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB180621-N-1	Sugar Beach	ø/	0	9:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC180621-N-1	Kihei Canoe Club	d	0	9:17	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMP180621-N-1	Mai Poina Oe Iau	ď	0	9:32	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
					500 ml		
		0	0		500 ml		
					500 ml		
		0			500 ml		
		0	0		500 ml		
		0			500 ml		

ignature (Team Lead):	Printed Name:	a	cm
faller			16

Team	Wailea	Samplers ALDOH G. D'Alo	w fee	Probes ID	
Session	16	(Last Name, 1st Initial) H. Rivage	HQ40d: 2	2	100Q: 2
Date	06/22/18	Hoory Hocht	pH: 2	DO: 2	Salinity: 2

				Dissolved	Oxygen						11/1-1	People (within 100 ft)		100 ft)		Variable
Location Name Sample ID	Time	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	pН		(NTU)		(0-3)	Wind (0-6)	water	beach	camp	TSS	Nutrient duplicate
Kilohana Dr WKD180622	7159	24,5	34.9	6.53	98.7	8,16	0.56	0,95	0.61	0	0	2	12	0	0	0
Keawakapu Beach WKB180622	8:25	26,6	35.1		(66.6						0	12	12	0	0	
Ulua Beach WUL180622	8.55	26,7			100.6						0	35	18	0		0
Palauea WPL180622	9:10	26.8	75,0	6.61		AICH			0,41		1	3	7	0	0	
Poolenalena WPO180622	9130						0.34	0.34	0,31	1	1	B	5	6	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: 4:53 am (R) High: 12:07 pm
Moon day (from new)	9
Cloud cover (0-8)	0
Rain conditions last 24 hrs (0-4)	0
Wind direction (Trades/Kona)	Trake
Streams flowing? (Y/N)	N

NOTES AND COMMENTS (tre Use the back of the form if neede	s, errors, concerns).

TURBIDITY VE	RIFICATION			
	Blank	Low	Med	High
Standard	0.04	6.03	54.9	581
Pre-sampling	0.04	5,99	55.4	580
Post-sampling	0.04	5.72	63.5	572

CHAIN OF CUSTODY INFORMATION						
	# of samples	Relinquished to	Contact			
Sediment						
Nutrients	5	NMS	Sofia			
Bacteria						

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

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Wailea	Samplers (Last Name, 1st Initial)	wolf. A eindge H	p'merta, s	
Session	16				
Date	06/22/2018		Hecht, H		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Sutrients							
WKD180622-N-1	Kilohana Dr	Ø	0	7:59	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB180622-N-1	Keawakapu Beach	ď		8:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL180622-N-1	Ulua Beach	Q		8:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPL180622-N-1	Palauca	ď		9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO180622-N-1	Poolenalena	ď		9:30.	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
		0	0		500 ml		
		0			500 ml		
			0		500 ml		
		0	0		500 ml		
					500 ml		
					500 ml		

Signature (Team Lead):	Printed Name			
Januar	sofia	de	6	SA