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



Post Time: Post Date: Verifiers (post-sampling): Session No: Verifiers (pre-sampling): Pre Time: Pre Date: 10.01.18 9:00 am

QA/QC Check	Inst #	Probe #	Last Cal Date			tE: ion Value		ST: ion Value	Acceptable Range	Comments/ Notes	QA?
Temperature	NIST	n/a	n/a	Std Val	NIST 25.1 °C	NIST 25.6 ℃	NIST 18, 9°C	NIST °C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	2	1	n/a		25.0		19,2				
	2	2	n/a			25.6		-			
Salinity			3 months	Std Val	Tap water 0.13	Salin Std 2119 date 35.0 ppt	Tap water	Salin Std 3//8 date 32.6 ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	2	1	10/01/18		0.16	34.9	0.12	33,3			
	2	2	10/01/18		0.16	349	1	-			
Dissolved Oxygen			1 year	Std Val	100%		10	100% ± 5 %			
	1	1	10/01/18		100.9	1.	100.	.92			
	4	2	10/00/18		100.5	1.					
рН			3 weeks	Std Val	pH 7.00	pH 10.00	pH 7.00	pH 10.00	± 0.1 pH of pH std value	Compare to Manufacturer pH Std value on bottle	
	1	1	10/01/18		7.03	10.06	7.07	10.11			
	1	2	10/01/18		7.03	10.06	-	-			
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10	BLANK <0.1	LOW 1-10 NTU	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	1	n/a	10/01/18		0.05	6:28	0.04	6.26			
	2	n/a	10/01/18		0.03	6.00	_	-			

QA:

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

* Other equipment issues?

Team	Kamaole	Samplers
Session	21	(Last Name, 1st Initial)
Date	10/02/18	

Scott Graves Mitch Brown Donna Howard

Meters and	Probes ID		
HQ40d: 1		21000	Q: 1
pH: 1	DO: 1		Salinity: 1

	Streams	Time			Dissolved	Oxygen			Turbidity		Peop	le (within 1	00 ft)
Location Name Sample ID	Flowing (Y/N)	(of collection)	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	pH	(NTU)			water	beach	camp
Kalepolepo North NKN181002	N	800 Am	27,8	34.5	5,80	85.3	8.10	2.09	2,03	2.57	0	0	0
Waipuilani Park KWP181002	N	8:15	26.6	33.Z	6.16	91.4	8.02	4-	22.3	23.0	0	3	0
Kihei South KKS181002	N	835	27.4	33.7	5.92	90,2	8.11	8230	9.39	10.1	0	3	6
Kalama Park KKP181002	N	8:55	27.3	34.1	6.le1	160.6	8.14	9.91	10.4	10.0	2	2	0
Cove Park KCP181002	N	9.10	27.7	33.6	6.47	99.0	8,14	3.45	2.79	2.82	. 3	1	0

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).

Use the back of the form if needed.

KKG- | St reading Sat too long before

Pushing read, replaced w/ 4th reading

44P-2dags

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.05	6.28	58.4	601
Pre-sampling	0.04	6.27	58.8	601
Post-sampling	0,04	6.29	59.0	600

CHAIN OF CUSTODY INFORMATION								
	# of samples	Relinquished to	Contact					
Sediment	-	-	-, 1					
Nutrients	5	NMS	Moteh					
Bacteria	-							

Signature (Team Lead):	Printed Name:
ALL D	11/12
Mich Klor	- Mitch Drown

Hui O Ka Wai Ola - Sample Collection Datasheet

Team	Kamaole	Samplers	graves 5.	
Session	21	(Last Name, 1st Initial)	Howard D.	
Date	10/02/18		Brown M.	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
lutrients							
NKN181002-N-1	Kalepolepo North	0/		8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP181002-N-1 Waipuilani Park		0		8:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS181002-N-1	Kihei South	0/	0	8:35	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP181002-N-1	Kalama Park	8		8:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP181002-N-1	Cove Park		0	9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments										
			500 ml							
		0	500 ml							
		0	500 ml							
	0		500 ml							
		0	500 ml							

Signature (Team Lead):	Printed Name:
Mitt Ru	- Mitch Brown
H VV	//

Team Makena Session 21	Makena	Samplers	L. Lowder, M. Sharps Jeep Dunning	Meters and	Probes ID		
	(Last Name, 1st Initial)	J. Jan Million College	HQ40d: 1		2100Q: 1		
Date	10/03/2018			pH: 1	DO: 1		Salinity: 1

	Cturent	mi			Dissolved	Oxygen			Turbidity		Peop	le (within 1	00 ft)
Location Name Sample ID	Flowing (Y/N)	Time (of collection)	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	рН				water	beach	camp
Makena Landing MML181003	N	27.1	27.1	26,5	6.97	102.2	8.14	3,29	3.14	2.80	5	2	p
S Maluaka Beach MMB181003	N	8:36	27.8	35.1	6.46	99.9	8.14	,90	,82	,98	9	11	\$
Oneuli MON181003	N	8:52	27.8	35.1	6.69	103.3	-	3.29			0	1	ø
Ahihi Kinau North MAN181003	N	9:15	27.8	35.2	6.91	106.8	8.11	2.02	2.34	2.14	4	1	9
Ahihi Kinau South MAS181003	N	9:28	28.1	35.4	6.45	104.0	8.12	1.71	1.88	1,80	23	il	

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

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.64	6.28	58.4	601
Pre-sampling	0.05	6.31	59.1	599
Post-sampling	0.04	628	592	601

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

Signature (Team Lead):

Printed Name:

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Soha ou la sota

Team	Makena	Samplers	Lowder	, L	Dunning J
Session	21	(Last Name, 1st Initial)	Snamu	M	
Date	10/03/2018		Order P.		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
MML181003-N-1	Makena Landing	B	0	8:01	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB181003-N-1	South Maluaka Beach	d	0	8:36	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MON181003-N-1	Oneuli	Ø	0	8:52	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN181003-N-1	Ahihi-Kinau North	A	0	9.15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS181003-N-1	Ahihi-Kinau South	A	0	9.28	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments								
	0		500 ml					
	0		500 ml					
	0		500 ml					
1	. 0	0	500 ml					
	0		500 ml					

Signature (Team Lead):	Printed Name:	
Jarlale'	sofia de la Fra	

Team	(Last Name, 1st Initial) Riley R. BUNDENE, 6	Meters and Probe	Meters and Probes ID					
Session	21	(Last Name, RICH TO MINJERS 6	HQ40d: 1	2100Q; 1				
Date	10/04/18		pH: 1	OO: 1 Salinity:	1			

	Streams	Time			Dissolved	Oxygen		Turbidity (NTU)			People	e (within 1	00 ft)
Location Name Sample ID	Flowing (Y/N)	(of collection)	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	pН				water	beach	camp
Haycraft Park NHP181004	N	8:20	27.4	35.0	269	103.0	8.15	4.33	4.76	4,32	1	4	5
Kealia Pond NKP181004	N.	8:46	27.5	35,3	674	104.0	8.17	3.08	3.50	2.93	0	0	0
Sugar Beach NSB181004	N	9:10	-	~		~	×	~			0	4	0
Kihei Canoe Club NKC181004	N	9:25	~	~	~			_	~	_	1"	15	0
Mai Poina Oe Iau NMP181004	N	9:37	28.1	35.1	6.58	102.6	8.17	4.91	4.91	5.03	3	1	8

NOTES AND COMMENTS (trends, equipment problems, errors, concerns).

Use the back of the form if needed.

NSB weres too high to take samples without being knowled down,

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.04	6.28	58.4	601
Pre-sampling	0,04	6,32	59.1	600
Post-sampling	0.03	6,19	59.0	600

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment			
Nutrients	3	MMS	Carol Bridge
Bacteria			

Signature (Team Lead):	Printed Name:
a late	E Gance G. Bracest to
200	0

Team	North Kihei	Samplers	BAUR, F	BURNETE, G.	
Session	21	(Last Name, 1st Initial)	. 11	"	
Date	10/04/18		REET, A.		

Sample ID Location Name		Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
NHP181004-N-1	Haycraft Park	0		8:20	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP181004-N-1	Kealia Pond	0/	0	8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB181004-N-1	Sugar Beach		0	9:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	HIST SKAPLED HISTOR SVAC
NKC181004-N-1	Kihei Canoe Club	0		9:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	HIGH SURE
NMP181004-N-1	Mai Poina Oe Iau	0		9:37	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
		0	500 ml	
			500 ml	
			500 ml	
	0	0	500 ml	
		0	500 ml	

Signature (Team Lead):	Printed Name:
Siz f flet to	GEORGE G. DUNGER &

Team V	Wailea	Samplers		Meters and Probes ID				
Session 2	1	(Last Name, 1st Initial)	Judy	HQ40d: 1	HQ40d: 1 2100Q: 1			
Date 1	0/05/18		Alfiewor	pH: 1	DO: 1	Salinity: 1		

Location Name	Flowing /	Time			Dissolve	Dissolved Oxygen		Turbidity			People (within 100 ft)		
Sample ID Kilohana Dr	Flowing (Y/N)	(of collection)	Temp Salinity (°C) (ppt)		(mg/L)	(%)	рН		(NTU)		water	beach	camp
Kilohana Dr WKD181005		9:27am	28.1	35.4	6.60	102.8	8.16	3,37	3.72	3.60	2	18	0
Keawakapu Beach WKB181005		9:10am	27.9	35.3	6.62	102.8	8.18	4.71	4.75	4.5	-9	7	0
Ulua Beach WUL181005		8:50am	27.8	35.1	6.66	1031	8.17	5,81	636	6.49	7	11	0
Palauea WPL181005		8:12 am	27.5	26.6	6.98	103	8.17	5.08	4.96	5.03	0	20	8
Poolenalena WPO181005		8:30 am	27.9	27.1	6.92	103.1	8.19	3.60	3.89	4.13	0	0	0

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

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TURBIDITY VER	LIFICATION				
	Blank (must be <0.10)	Low	Med	High	
Standard	0.03	6.28	58.4	601	
Pre-sampling	0,06	6.30	59.1	600	
Post-sampling	0-04	6.26	59.0	600	

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

Signature (Team Lead):	Printed Name:
Withtell Koh	- Mitch Brown

Team	Wailea	Samplers	Rindge 4.
Session	21	(Last Name, 1st Initial)	wolf A
Date	10/05/18		Jarvie J.

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
WKD181005-N-1	Kilohana Dr	Ø	0	9:27an	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB181005-N-1	Keawakapu Beach	e	0	9:10am	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL181005-N-1	Ulua Beach	e	0	8:50an	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPL181005-N-1	Palauea	Ø	0	8:120a	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO181005-N-1	Poolenalena	0	0	8.30 am	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
	0	0	500 ml	
	0	0	500 ml	
	0		500 ml	
	0	0	500 ml	
		0	500 ml	

Witch Brown	Signature (Team Lead):	Printed Name:
	Whiteles -	Mitch Brown