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

ession No:	M.31	Verifie	9. Bu	ling):	The state of the s	re Date:	Pre Tim 8-53		Verifiers (post-san	npling):	Post Date:	Post Time
QA/QC Check	Inst#	Probe #	Last Cal Date			RE: ion Value		ST: ion Value	Acceptable Range	(Comments/ Notes	QA
Temperature	NIST	n/a	n/a	Std Val	NIST 26.0°C	NIST 26.3°C	NIST °C	NIST 26,2c	± 0.6 °C of NIST	Compare to	NIST Std value in tap wa	ater
	2	11	n/a		26.0		_					
	2	2	n/a			26.7		26.2				
Salinity			3 months	Std Val	Tap water 0.13	Salin Std 928/19 late 32.6ppt	Tap water 0.13	Salin Std 3/23/18/date 32,6 ppt	± 1 ppt	Salinity Std	compare pre & post value - compare to value on nity Std bottle	s
	2	1	19/1/18		0.14	33.2	-					
	2	2	191/18		0.14	33.1	0.13	33.2	1			
Dissolved Oxygen			1 year	Std Val	10	0%	10	0%	± 5 %			
	2	1	10/1/18		101.	7	_					
	2	2	10/1/18		101.	3	101.	9				
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 M	fanufacturer pH Std value bottle	on
	2	1	10/22/18		7.03	10.06	-	10.				
	2	2	10/22/18		7.02	10.06	7.06	10.08				
Turbidity			3 months	Std Val	BLANK <0.1	6.28 1 LOW 1-10 6 20 2 NTU	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10		o Gel LOW 1-10 libration value	
	42	n/a	10/1/16		0.03	6.27	41dannia -	-				
	2	n/a	10/1/18		0.03	6.01	0.03	6.01				

QA: * Are pre- and post within one week?

^{*} Delay times are ok?

Team	Kamaole	Samplers	Itarry Hecht	Meters and Probes ID				
Session	22	(Last Name, 1st Initial)	Sust Graves	HQ40d: 2		2100Q: 2		
Date	10/23/18		Donna Howard	pH: 2	DO: 2	Salinity: 2		

Yanada N	Streams	Time			Dissolved	Oxygen		×	Turbidity		People	e (within 10	00 ft)
Location Name Sample ID	Flowing (Y/N)	(of collection)	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	pH		(NTU)		water	beach	camp
Normal Values			variable	30 - 35 ppt		85 - 105%	8 - 8.3		variable		. A	14	D
Kalepolepo North NKN181023	N	8:08	26.8	33.6	6.21	98.7	8.13	3.36	4.27	4.36	HUB 1	18	0
Waipuilani Park KWP181023	N	8:17	26.0	34.4	19.51	97.7	\$109	17.1	17.6	18.4	0	7	2
Kihei South KKS181023	N	8:38	26.6	34.1	6.58.	94.3		9,64	10.9	11.7	3	10	0
Kalama Park KKP181023	N	8:51	27,3	35,1	6.75	103.7	8.15	5.73	7.29	9.26	10	5	0
Cove Park KCP181023	N	9:08	27.4	34.3	6.80	104.0	8.14	4.97	7.45	7.80	50	0	6

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

Cove PARK Redo 1st Reading THOT

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.03	6.00	55.6	590.0
Pre-sampling	0.04	6.02	56.3	590.0
Post-sampling	0.03	5.98	56.2	589.0

CHAIN OF CUS	TODY INFORMATIO	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	1
Nutrients	5	pus	Mach Brown
Bacteria	-		-

Signature (Team Lead): Printed Name:

Mitch Brown

Sites with streams/outflows: Kalepolepo North, Kalama Park, Cove Park

Team	Kamaole	Samplers	Hecht H.
Session	22	(Last Name, 1st Initial)	graves 5.
Date	10/23/18		Howard D.

Sample ID	Sample ID Location Name		Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN181023-N-1	Kalepolepo North	2	0	8:08	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP181023-N-1 Waipuilani Park		d		8:17	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS181023-N-1	Kihei South	2	0	8.38	125 ml	Washed, rinsed syringes, acid washed bottles, 0.2 um disposable filters	
KKP181023-N-1	Kalama Park	d	0	8:57	125 ml	Washed, rinsed syringes, acid washed bottles; 0.2 um disposable filters	
KCP181002-N-1	Cove Park	0	0	9:08	125 ml	Washed, rinsed syringes, acid washed bottles; 0.2 um disposable filters	

Team Makena
Samplers
(Last Name, 1st Initial)

Date 10/24/2018

Samplers
(Last Name, 1st Initial)

BANETT, 6

Meters and Probes ID

HQ40d: 2

pH: 2

DO: 2

Salinity: 2

Location Name	Streams	Time	Temp	Salinity	Dissolved Oxygen			Turbidity			Peop	le (within 1	00 ft)
Sample ID	Flowing (Y/N)	(of collection)	(°C)	(ppt)	(mg/L)	(%)	рН	(NTU)			water	beach	camp
Makena Landing MML181024	N	8:00	27.2	34.7	6.66	102.0	8.13	5.35	4.96	6.17	Ø	Ø	6
S Maluaka Beach MMB181024	- Nas	8:22	27.5	35.2	6.65	102.9		2.57			-	ø	ø
Oneuli MON181024	-NEEP	8:44	27.5	34.7	6.70	103.2				3.00	.0	Ø	8
Ahihi Kinau North MAN181024	100	9.09	27.4	35.0	7.00	1083	8.09	1.45	1,95	1.98	7	8	6
Ahihi Kinau South MAS181024	NED	9.33	27.7	34.7	6.47	103,2		1.72	1,74	1.64	2	14	Ø

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

eneuli - flange broke on syringe; repeated Sample collection go

TURBIDITY VER	RIFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0,03	6.00	55.6	590
Pre-sampling	0.04	6,06	56.3	690
Post-sampling	0.05	3.99	563	589

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	
Nutrients	3	MMS	CONCE PUNDET
Bacteria	-	-	

Signature (Team Lead): Printed Name:

Sen & MATE GENTLE. BUNDETTE TO

Team	Makena	Samplers	AUMUSE, J.	SHARPE, M.	
Session	22	(Last Name, 1st Initial))(1/4/10), 0	
Date	10/24/2018		BINETT, 6		

Sample 1D	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
otrients							
MML181024-N-1	Makena Landing		0	8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB181024-N-I South Maluaka Beach				8.22	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MON181024-N-1	Oneuli			8:44	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN181024-N-1	Ahihi-Kinau North	10/		9:09	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS181024-N-1	Ahihi-Kinau South			9:33	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								

Signature (Feam Lead): All & Printed Name: Costel 6 Annette (

Feam North Kihei	Samplers	Rilen. R	BUNGER G.	Meters and	d Probes ID	
Session 22	(Last Name, 1st Initial)	SPERN, S	port any 6.	HQ40d: 2		2100Q: 2
Date 10/25/18				pH: 2	DO: 2	Salinity: 2

Location Name	Streams Flowing	Time	Temp	Salinity	Salinity Dissolved Oxygen Turbidity		Dissolved Oxygen Turbidity People (within		olved Oxygen Turbidity People (w		Turbidity		le (within 1	thin 100 ft)	
Sample ID	(Y/N)	(of collection)	(°C)	(ppt)	(mg/L)	(%)	pH	(NTU)		water	beach	camp			
Haycraft Park NHP181025	N	8:16 -	- w	iks to	U HI6	4 —		2189	*		8	16	5 tout		
Kealia Pond NKP181025	N	8:30	27.1	35.2	6.72	103.0	8.19		2.86	172		7			
Sugar Beach NSB181025	N	8:50	27.1	35.0	6.62	101.3	2.1			2.73	0	4	0		
Kihei Canoe Club NKC181025	N	9:15	27.6	34.7	6.68	102.9		2.67		3.60	2	3	0		
Mai Poina Oe Iau NMP181025	N	9:33	27.8	34.9	6.67	103.3		1.82		14.4	0	14	0		

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

NHP- waves too high to collect samples

TURBIDITY VER	UFICATION			
	Blank (must be <0,00)	Low	Med	High
Standard	0.05	600	55.6	600
Pre-sampling	0.10,	5.93	56.2	191
Post-sampling	0.05	599	56.5	590

CHAIN OF CUS	STODY INFORMATIO	ON	
	# of samples	Relinquished to	Contact
Sediment	-,	-	
Nutrients	5	Nors	GENER PURPER
Bacteria	-	-	Conc. March

Signature (Team Lead):	Division
1 1 60 1,	Printed Name:
Jan & Button	GENECE BANKETTE B

Team	North Kihei	Samplers	Rati R.	BUNDEME, G.	
Session	22	(Last Name, 1st Initial)	special, S.		
Date	10/25/18		31200,5		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NHP181025-N-1 Haycraft Park		0		8:16	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	WANG TOO HELV
NKP181025-N-1	Kealia Pond			8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB181025-N-1	Sugar Beach			8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC181025-N-1	Kihei Canoe Club			9:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMP181025-N-1	Mai Poina Oe Iau	0		9:33	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments	Sediments											
					500 ml							
					500 ml							
					500 ml							
					500 ml							
					500 ml							

Signature (Team Lead):	Brinted Name: GERBLE G. ANAMENTE TO
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Hur U Ka War Ola - Nample Collection Datasheet

Team	Wailea	Samplers	Minage, Hong	Meters and Probes ID				
Session	22	(Last Name, 1st Initial)		HQ40d: 1		2100Q: 1		
Date	10/26/18		Judy		pH: 1	DO: 1		Salinity: 1

	Streams	Time			Dissolved Oxygen			Turbidity		People (within 100 ft)			
Location Name Sample ID	Flowing (Y/N)	(of collection)	Temp (°C)	Salinity (ppt)	(mg/L)	(%)	рН	(NTU)		water	beach	camp	
Kilohana Dr WKD181026	N	7155	26.9	35.4	6.72	103.0	8.17	0.90	0.90	0.90	3	3	0
Keawakapu Beach WKB181026	N	8:14	27.2	35.4	6.73	103.6	8.18	0.62	0.60	0.66	4	7	0
Ulua Beach WUL181026	N	8:34	27.1	35.3	6.73	103.3	4.16	1.77	2.10	1.72	9	17	0
Palauea WPL181026	N	8155	27.4	35.4	6.74	103.7	8.17	2.40	2.47	239	Ö	6	0
Poolenalena WPO181026	N	9211	27.7	35.4	6-68	103,5	8.19	0.81	0.92	0.88	3	6	4

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	0.03	6.00	53.6	590
Pre-sampling	0.09	5.87	56.2	589
Post-sampling	0.03	6000	56,2	589

CHAIN OF CUS	STODY INFORMATIO	ON	
	# of samples	Relinquished to	Contact
Sediment			-
Nutrients	5	NMS	Motel Bron
Bacteria	-	-	- 10

Signature (Peam Lead):

Mitch Brown

Hui O Ka Wai Ola - Sample Collection Dinashes

Team Wailea	Samplers	Rindge H.
Session 22	(Last Name, 1st Initial)	wolf A.
Date 10/26/18		Janvie J.

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Sutrients							
WKD181026-N-1	Kilohana Dr	8		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB181026-N-1	Keawakapu Beach	8		8:14	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL181026-N-1	Ulua Beach	8	0	8:34	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPL181026-N-1	Palauea	8		8.55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO181026-N-1	Poolenalena	6		9:11	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	
			500 ml	
	0	0	500 ml	
	0	0	500 mi	
	D	D	500 ml	

Signature (Teach Legal):	Printed Name: / /	0
24.11	Malah	Brown
In a con	more	0,000