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

1	05/04/10	2400	81/06/4	C- Stown	7
Post tir	Post: Date:	Pre time:	Pre date:	Verifiers:	Session No:



		рН			Dissolved Oxygen			Salinity			Temperature	QA/QC Check
-	1	-	-	_		-	_		-	1		inst#
2	1		2	1		2	1		S-2	S-1		Probe #
30/08/4	4/30/18		01/10/17	9/19/17		31/61/2	8/10/18		n/a	n/a	n/a	Last Cal Date
		Std			Std			Std			Std	
7.03	7.03	7.00	99.	204-40	100%	0.14	0.14	0.13		22.6	22,3	PRE: Verification Value
10.07	10.07	10.01	39-9 20	424	3%	33.	13.5	33.0	22.0		21.9	E: on Value
	90.€	so.t		2	le		0.12	0.13		15	19	PC Verificat
	10-10	10.01		N 0.85	100%		33.6	33.0		18.6	19.3	POST: Verification Value
		± 3 % of calibration solution (6-8)			Post-check ± 5 % of pre-check (0- 100%)			± 3%, blank			± 1°C of NIST	Acceptable Range (Check range)
		6.79 - 7.21			80 - 120 %			33.95 - 36.05			Within 1°C	Comments/Notes
												QA?

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

* Delay times are ok?

* Other equipment issues?

in 100 ft)	People (within 100 ft)	Dissolved Owner		
1 Salinity: 1	pH: 1 DO: 1		05/01/2018	Date (
2100Q: 1	HQ40d: 1	Ist Initial) Discourse of the control of the contro		Session 13
	Meters and Probes ID	٨ . ٨	Kamaole Sam	Team 1

				Dissolved Oxygen	Oxygen							People	People (within 100 ft)	00 ft)		
Location Name	!	Temp	Salinity	2000000	and Ben			Turbidity		Waves	Wind			1	-	Nut
Sample ID	Time	CO	(ppt)	(mg/L) (%)	(%)	pH		(NTU)		(0-3)	(0-6)	water	beach	camp	188	duplicate
Waipuilani Park KWP180501	7157	23.4	7157 23.4 32.3 6.25 88 8.07 7.23 6.72	6.35	82	00 7	7.23		6.83	4->	1	On	00	7	0	0
Kihei South KKS180501	8:20	24.7	8:20 24.7 33.7 5.94 86.48.13 8.83 11.10	5.94	86.4	in in	83.8	11.10	9.50	1	1	0	4	1-	0	0
Kalama Park KKP180501	36.3	24.8	8:26 24.8 34.8 6.80 996 8:19 3.32 3.22	6.80	300	19.18	3.32	3.22	12.00	1	22	22	4	7	0	0
Cove Park KCP180501	43:8	25.	8:54 25.1 32.9 6.82 99.4 8.19 2.52 2.41 2.05	6.82	99.4	8.17	2.52	2.41	2.05	1	0	27	8	0	0	0
Kamaole I KKO180501	Po'P	25.3	9:09 35.3 34.0 6.74 99.1 8.20 0.72 2.98	6.74	1.99	8.20	0.72	298	1.64	1	+	4	12	0		0
Kamaole III KKT180501	9:28	25.0	9:28 25.0 34.1 6.76 99.0 8.18 0.67 0.70 0.93	6.76	99.0	8.18	0.67	0.70	0.93	1	0	4	24	0		0

Wind: 0: calm; 3: gentle broeze; 6: strong breeze	Waves: 0ff: no waves; 1ft: small waves; 2ft: knee high; 3ft waist high

COASTAL AND ENVIRONMENTAL CONDITIONS	CONDITIONS
Most recent tide time (falling or rising)	Low: 10:09am High: 4:24am (F)
Moon day (from new)	16
Cloud cover (0-8)	_
Rain conditions (last 24 hrs)	0
Wind direction (Trades/Kona)	K 7
Streams flowing? (Y/N)	3

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	NOTES AND COMMENTS (trends, equipment problems, errors, concerns).
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TURBIDITY VERIFICATION Blank Standard O.O.	Blank O.O.4		Med 56.6	
Pre-sampling Post-sampling	0.00	6.12	1.45	
CHAIN OF CUSTODY INFORMATION	TODY INFOR	MATION		
Sadiment	# of samples		Relinquished to	
Nutriante	,		2	
Numerics	6	2	NIST	

かず	5	Sofic a	ferrances	
		Printed Name:	Signature (Team Lead):	

Hui O Ka Wai Ola - Sample Collection Datasheet

1 13 (Last Name, 05/01/2018 Samplers Quinn A 13 (Last Name, Source Nam
- 0
Brown A

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
KWP180501-N-1	Waipuilani Park	R	0	t5:£	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKS180501-N-1	Kihei South	R	0	02:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP180501-N-1	Kalama Park	R	0	82:38	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP180501-N-1	Cove Park	R	0	F. 85.85	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKO180501-N-1	Kamaole I	R	0	9.09	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKT180501-N-1	Kamaole III	R	0	9:28	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
		0	0		500 ml		
		0	0		500 ml		
		0	0		500 ml		
		_	0		500 ml		
		0	0		500 ml		
		0	0		500 ml		

Signature (Team Lead):

Sofia de la Sota

-				
DO: 1 Salinity:	pH: 1	0	05/02/2018	Date
2100Q: 1	HQ40d: 1	(Last Name, レンアルバック、J 1st Initial) Wilberger、T	13	Session 13
es ID	Meters and Probes ID	Samplers Sharpell	Makena	Team

		3		Dissolved Oxygen	Oxygen					Water	Wind		People (within 100 ft)	00 ft)	7.7	Validadi
Sample ID	Time	(°C)	(ppt)	(mg/L) (%)	(%)	PH		(NTU)		(0-3) (0-6)	(0-6)	water beach	beach	camp	TSS	duplicate
Makena Landing MML180502	8:15 25.1		34.8	6.64 97.8 81.8 0.97 1.03	97.8	81.8	11.0		1.20	0	0	0	Ŧ	0	0	0
S Maluaka Beach MMB180502	8:40	8:40 25,3 34.1		6.43	97.5	97.5 8.15 1.02 1.06	1.02	1.06	- 22	0	6	0	6	0	0	0
Oneuli MON180502	8:50	25.3	8:50 25.3 34.1	62.67	181	98.1 8.10 1.16 1.56	1.16	1.56	1.50	-	-	0	0	0	0	
Makena Beach MBS180502	9:15	25,4	9:15 25.4 35.5 6.73 100 8.19 0.69 0.92 0.71	6.73	100	8.19	0.69	0.92	_	2	-	0	N	0	0	
Ahihi Kinau North MAN180502	9:33	0.26	9:33 26.035.0 7.28 109.1 8.14 1.72 1.98	7.28	1,601	8.14	1.72	1.98	1.41	-	-	0	0	O		0
Ahihi Kinau South MAS180502	04:40	8.56	9:40 258 34.4 6.50 96.78.08 1.631.55	6.50	t. 26	80.8	1.63	1.55	1.78 0	O	1	0	oC.	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	CONDITIONS
Most recent tide time (falling or rising)	Low: 10:34am High: 4:47am (F)
Moon day (from new)	17
Cloud cover (0-8)	∞
Rain conditions (last 24 hrs)	406
Wind direction (Trades/Kona)	T int light on shore
Streams flowing? (Y/N)	Z/A

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

Nutrients	Sediment	# of s	CHAIN OF CUSTODY INFORMATION	Post-sampling Q.Q3	Pre-sampling 0,54	Standard 0,07	Blank	TURBIDITY VERIFICATION
6	•	# of samples	FORMAT	-				TION
Z		Relinqu	ION	6.01	6.09	6.06	Low	
NMS		Relinquished to		57.2	0.40	66.6	Med	
Sofia		Contact		885	587	385	High	

Signature (Team Lead): Printed Name:
Signature (Team Lead): Printed Name:
Signature (Team Lead): Printed Name:

Hui O Ka Wai Ola - Sample Collection Datasheet

Date	Session	Team
05/02/2018	13	Makena
	(Last Name, 1st Initial)	Samplers
wildbergy, T	C. Chuinund	Shorpe, M

						Sediments	MAS180502-N-1	MAN180502-N-1	MBS180502-N-1	MON180502-N-1	MMB180502-N-1	MML180502-N-1	Nutrients	Sample ID
							Ahihi-Kinau South	Ahihi-Kinau North	Makena Beach Shoreline	Oneuli	South Maluaka Beach	Makena Landing		Location Name
0	0	0	0	0	0		B	B	9	B		7		Sample taken?
0	0	0	0	0	0		0	0	0	0	0	0		Storm sample?
							9:40	9:33	9:15	8:50	8:40	8:15		Time
500 ml		125 ml		Volume										
							Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		Protocol Notes
														Comments

Signature (Team Lend):

Sha au la Sor

Team North Kihei Samplers Thus Session 13 (Last Name, Bloth 1st Initial)	Thunholm, K.	K K							Meters and Probes ID HQ40d: 1	Meters and Probe
7	Dissolved Oxygen	gen			Wa	-	Wind	Wind	-	Wind People (within 100 ft)
Sample ID Time (°C) Salinity	(mg/L) (%)	%) PH	(NTU)		(0-	(0-3) (0-4	(0-6)	(0-6)		(0-6) water beach
Haycraft Park 8:20 2-57 34.4 6.78 100.6 8.14 7.79 7.93	6.78 10	1.8 2.00	7.79 7.93	7.47	1	7 / /	1 1	7 / 25 43	1 / 3	1 1 3 3
Kealia Pond 8:55 35.6 35.6 6.69 99.6 8.18 1.08 1.15	6.69 4	99.6 8.18	1.08 1.15	1.41	/	1	1 3 0	/ 3	/ 3	1 3 0 2
Sugar Beach 9: 20 25.8 35.0 6,67 99.5 8.16 4.42 4.48	6.67 9	9.5 8.16	4.42 4.48	+	11.18 /	18 / /	18 / / 3	1 / 3	1 / 3	1 / 3
Kihei Canoe Club 9:33 75.9 34.3 6.67 99.2 8.15 1.36 2.16	6.67 9	9.28.1	1.36 2.16		2	1.91 2 1	11 2 1 5	1 30	1 30	71 2 1 5 3 07

COASTAL AND ENVIRONMENTAL CONDITIONS	CONDITIONS
Most recent tide time (falling or rising)	Low: 10:34 am High: 5:07 am (F)
Moon day (from new)	18
Cloud cover (0-8)	۵
Rain conditions (last 24 hrs)	0
Wind direction (Trades/Kona)	Trades
Streams flowing? (Y/N)	Z

Kalepolepo North NKN180503

10:15 26.6 29.9 6.74 49.3 8,18 3:35 3,44 3.43 1

9:55 26.2 32.3 6,72 99.3 8,11 5,486.65 5,87 2

6.67 99.2 8:15 1.36 2.16 1.91

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Mai Poina Oe Iau NMP180503

MCHI #1 (HOMOD) trinca of by ithis	Streams flowing? (Y/N) Streams flowing? (Y/N) NOTES AND COMMENTS (trends, equipment problems, errors, concerns). Use the back of the form if needed.	ipment problems, errors, concerns).
MCH1 #1 (HBADD) trinca ett bug its	NOTES AND COMMENTS (trends, equ Use the back of the form if needed.	ipment problems, errors, concerns).
	MCH1 #1 (HB400)	trined ett by it

	Blank	Low	Med	High
Standard	0.03	6.06	56.6	5
Pre-sampling	0.06	6.13	56.8	588
Post-sampling	30.0	5.90	- 45	35

Waves: 0ft: no waves; 1ft: small waves; 2ft: knee high; 3ft: waist high Wind: 0; calm; 3; gentle breeze; 6: strong breeze

	NIVIS	Z	6	Nutrients
9 .				Sediment
Contact	Relinquished to	Reling	# of samples	
		TION	ODY INFORMA	CHAIN OF CUSTODY INFORMATION
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482	1	200	-	Door sampling
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Signature (Team Lead): ture Printed Name: 8 व्यक 2 いなつ

Hui O Ka Wai Ola - Sample Collection Datasheet

Date	Session	Team
05/03/2018	13	North Kihei
	(Last Name, 1st Initial)	Samplers
D'arial	Sahr, Fr.	Thumpolm, K

			0			Sediments	NKN180503-N-1 Kalepolepo North	NMP180503-N-1 Mai Poina Oe lau	NKC180503-N-1 Kihei Canoe Club	NSB180503-N-1 Sugar Beach	NKP180503-N-1 Kealia Pond	NHP180503-N-1 Haycraft Park	Nutrients	Sample ID Location Name Sample taken?
	0	0	0	0					3		-			ple Storm en? sample?
-							10:16	9:55	9:33	9:20	8:65	8:20		Time
The second secon	500 ml		125 ml	125 ml		Volume								
AND THE RESIDENCE OF THE PROPERTY OF THE PERSON OF THE PER							Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		Protocol Notes
														Comments

Printed Name: Sofic du la 5

Hui O Ka Wai Ola - Sample Collection Datasheet	- Sample	Collectio	n Datashee	-										
Team Wailca		Samplers	_	Howere	0				Meters	Meters and Probes ID	es ID			
Session 13		(Last Name,		thou the	-				HQ40d: 1	-		2100Q: 1		
		(TETALITY 1ST												
Date 05/04/18				Jarvie	(*				pH: 1		DO: 1		Salinity: 1	e 1
				Dissolved Oxygen	Oxygen				100	People	People (within 100 ft)	(n 00		N. I.
Sample ID	Time	(°C)	(ppt)	(mg/L)	(%)	pH	(NTU)	(0-3)	(0-6)	water	beach	camp	TSS	duplicate
Kilohana Dr WKD180504	81.10	工兴	25.2	6.59	97.9	8,18	8:10 25.4 35.2 6.59 97.9 8:18 0.45 0.51 0.56 O	0	0	0	00)	0	0	0
ich	9:30	£36	35.3	6.68	996	8	9:30 35.7 35.3 6.68 99.6 8.18 0.620.58 0.58 1	, /	0	2	0 51	a	0	0
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COASTAL AND ENVIRONMENTAL CONDITIONS	CONDITIONS
Most recent tide time (falling or rising)	Low: 11:26 am High: 5:21 am (F)
Moon day (from new)	19
Cloud cover (0-8)	
Rain conditions (last 24 hrs)	Yen
Wind direction (Trades/Kona)	10
Streams flowing? (Y/N)	No.

Wailea Beach WWA180504

9:05 26.1 35.1 6.64 99.7

420 840 61.8

0.92

7

0

0

8:36 25.4 34.8 6.47 96.7 8.18 1.592.09 1.20

9:30 26.0

35.0

6-68 100.1

WPO180504 Poolenalena WPL180504 Palauea

4:45 sm 35.1

4.67 99.9

8,210.40 0.40 0.36

N

Wind: 0: calm; 3: gentle breeze; 6: strong breeze

Waves: Off; no waves; 1ft: small waves; 2ft: knee high; 3ft: waist high

8.20 6.77 1.160.93

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Ulua Beach WUL180504

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TURBIDITY VERIFICATION	RIFICATION			
	Blank	Low	Med	
Standard	20.0	6.06	26.6	885
Pre-sampling	0009	6.14	57.2	885
Post-sampling	20.04	6.03	2.43	485

CHAIN OF CU	CHAIN OF CUSTODY INFORMATION	ION	
	# of samples	Relinquished to	
Sediment			
Nutrients	6	735	
Bacteria			

Hui O Ka Wai Ola - Sample Collection Datasheet

Date	Session	Team
05/04/2018	13	Wailea
	(Last Name, 1st Initial)	Samplers
Janic	WOIT A	Howard F
U	+	0

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients		,					
WKD180504-N-1	Kilohana Dr	E.	0	8:10	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB180504-N-1	Keawakapu Beach	R	0	8:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WUL180504-N-1	Ulua Beach	E E	0	85:8	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WWA180504-N-1	Wailea Beach	d	0	20:6	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPL180504-N-1	Palauca	Q.	0	9:30	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO180504-N-1	Poolenalena	B	0	9:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
		0	0		500 ml		
		0	0		500 ml		
		0	0		500 ml		
		0	0		500 ml		
		0	0		500 ml		
		0	0		500 ml		

Signature (Team Lead):

Printed Name:

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