Team	Kamaole	Samplers	Brown M.	Meters and Pro	bes ID		
Session	27	(Last Name, 1st Initial)	Howard D	HQ40d: 1		2100Q:	1
Date	2/5/19	9.0	graves 5.	pH: 1	DO: 1		Salinity: 1

	Streams	m:		Salinity	Dissolved	Oxygen	-11	Turbidity	Peop	le (within 10	00 ft)
Location Name Sample ID	Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal	(NTU)	water	beach	camp
Kalepolepo North NKN190205	N	8:08	23.4	35.7	633	91.1	8.13	1.35 2.34 1.65	Ø	Ø	6
Waipuilani Park KWP190205	N	8,15	21.4	33.7	6.84	94.1	8.11	19.2 20.5 19.7	Ø	Ø	Ø
Kihei South KKS190205	N	833	23.1	34,7	6.24	89.0	8.15	6.10 6.85 7.69	Ø	Ø	Ø
Kalama Park KKP190205	N	8:52	22.5	35.3	6.85	96.9	8,18	5.57 75 5.73	0	2	0
Cove Park KCP190205	N	9:07	23.1	35.1	6.71	96.2	8.14	4.48 4.54 4.81	2002	D	0

NOTES	AND	COMMENTS	(trends,	equipment	problems,	errors,	concerns).
		f the form if nee					

4th reading a KKP

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	2.04	6.28	58.4	601
Pre-sampling	0.06	6.24	57.9	600
Post-sampling	0.04	6.44	58.5	600

CHAIN OF CUS	STODY INFORMATION	ON	49
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	WMS	M Born
Bacteria	-	-	-

Signature (Team Lead):	Printed Name:	

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

Team	Kamaole	Samplers	Brown M
Session	27	(Last Name, 1st Initial)	Howard D
Date	2/5/19		graves S.

NKN190205-N-1 Kalepolepo North	Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
KWP190205-N-1 Waipuilani Park Wilei South KKP190205-N-1 Kalama Park KKP1	Nutrients							
KKS190205-N-1 Kihei South KKP190205-N-1 Kalama Park KKP190205-N-1	NKN190205-N-1	Kalepolepo North			8.00	125 ml		
KKS190205-N-1 Kihei South Signature	KWP190205-N-1	Waipuilani Park			8:45	125 ml		
KRP190205-N-1 Kalama Park	KKS190205-N-1	Kihei South			8:33	125 ml		
KCP190205-N-1 Cove Park	KKP190205-N-1	Kalama Park			8:52	125 ml		
bottles, v.2 and disposable filters	KCP190205-N-1	Cove Park			9:07	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
	ediments			6				
Sediments						500 ml		
Sediments 500 ml						500 ml		
□ □ 500 ml						500 ml		

			500 ml				
			500 ml				
			500 ml				
			500 ml				
 		[c:		11 1	Distribution /	1	

Signature (Teap Lead): Printed Name: Bown

Team	Makena	Samplers	Sousa	В,	Meters and Pro	bes ID		
Session	27	(Last Name, 1st Initial)	Brown	M.	HQ40d: 1		2100Q:	I
Date	2/6/19				pH: 1	DO: 1		Salinity: 1

	C.			Salinity	Dissolved	l Oxygen	-		Turbidity	,	Peop	le (within 1	00 ft)
Location Name Sample ID	Streams Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		(NTU)		water	beach	camp
Makena Landing MML190206	N	8:00	23,5	36.7	6.82	989	8,15	1,64	2,13	2.55	1	0	-0
S Maluaka Beach MMB190206	NA	81.22	23,8	36.8	6.89	1009	8.14	0,93	0,96	1.11	Ø	4	0
Oneuli MON190206	NA	8:50	23.8	36.8	6.89	100.7	8.14	6.28	5,74	6,02	0	0	0
Ahihi Kinau North MAN190206	NA	9:13	24.0	36.8	6,88	1009	8.11	0.68	0.80	0.82	ZMB	7	8
Ahihi Kinau South MAS190206	NA	9:35	24,0	36.5	6.74	988	8.09	1.26	1.15	1.15	4	6	-6-

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	0.04	6.28	58.4	601
Pre-sampling	0.08	6.55	58.1	601
Post-sampling	0.05	6.53	58.8	601

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

Printed Name: Signature (Team Lead):

Team	Makena	Samplers	Russ	14/	
Session	27	(Last Name, 1st Initial)	Brown	-	
Date	2/6/19	Tot Initial)	Dousa	Б.	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
lutrients				•			
MML190206-N-1	Makena Landing	d		8.00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB190206-N-1	South Maluaka Beach			8:22	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MON190206-N-1	Oneuli			8.50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN190206-N-1	Ahihi-Kinau North			9:13	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS190206-N-1	Ahihi-Kinau South			9:35	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments				
			500 ml	

, ,	
Signature (Tegen Lead): Printed Name://	
	\sim
11711 11/1 11/1/1	Kin
	Drown
7/00	

Team	North Kihei	Samplers Thenholm, +	Meters and Pro	bes ID		
Session	27	(Last Name, 1st Initial) Riley, R	HQ40d: 1		2100Q:	1
Date	2/7/19	Brown W.	pH: 1	DO: 1		Salinity: 1

	St			Salinity	Dissolved	l Oxygen					Peop	le (within 1	00 ft)
Location Name Sample ID	Streams Flowing (Y/N)	Time (of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	pH 8-8.3 normal		Turbidity (NTU)		water	beach	camp
Haycraft Park NHP190207	N	8:16	23.4	34.5	6.91	99.0	8.08	7.46	9.12	7.57	0	3	1
Kealia Pond NKP190207	N	8:50	23.6	30.1	7.16	100.3	8.16	16.9	19.6	20.0	0	2	0
Sugar Beach NSB190207	N	9:09	23.9	35.4	6.89	100.2	8.15	3.3)	3.86	4.26	0	a	δ
Kihei Canoe Club NKC190207	N	9:29	24.3	35.0	6.84	100.1	8.12	13-6	14.2	9.88	D	3	0
Mai Poina Oe Iau NMP190207	N	9:50	24.3	34.6	6.86	99.9	8.13	4.09	5.71	6.04	. 0	2	0

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

A+ NKC - 4th reading NTU

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.05	6.28	58.4	601
Pre-sampling	0.04	6.63	58.7	602
Post-sampling	0.04	6.48	68.8	601

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	,-1
Nutrients	5	WILLS	Mayer
Bacteria	-	-	-

Signature (Team L	ead);/	Printed Name:	0
ALL	Kur	Mitch	Brown

Team	1 ptreams/outflows:	Samplers	Thorholem 14	
Session	27	(Last Name, 1st Initial)	Rilen R	
Date	2/7/19		Brown M	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NHP190207-N-1	Haycraft Park			8.16	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP1902017-N-1	Kealia Pond			8:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB190207-N-1	Sugar Beach	<u> </u>		9:29	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC190207-N-1	Kihei Canoe Club	8		9:29	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMP190207-N-1	Mai Poina Oe Iau	B	0	9:50	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500 ml	
	П	500 ml	
		500 ml	
		500 ml	
		500 ml	

22 (2 (2)	1 1					
Signature	(Tam Leac	1): 7/	Printed	Name: / /		
11.	11	\mathcal{U}	/	M S de	R	
1/1/18	410	MIN	Vi	nother	Prow	~
1000		100				

Team	Wailea	Samplers	lame, Claub C.	Meters an	Meters and Probes ID			
Session	27	(Last Name, 1st Initial)	Camb C.	HQ40d: 1		2100Q:	1	
Date	2/8/19		Jarvie J.	pH: 1	DO: 1		Salinity: 1	

	Streams	Time		Salinity	Dissolved	Oxygen	pН	Turbidity (NTU)			People (within 100 ft)		
Location Name Sample ID	Flowing (Y/N)	(of collection)	Temp (°C) variable	(ppt) 30-35 normal	(mg/L)	(%) 85-105 normal	8-8.3 normal			water	beach	camp	
Kilohana Dr WKD190208	N	8:00	23.3	36.9	6,87	99.4	8.15	0.80	0.66	0.68	1	5	0
Keawakapu Beach WKB190208	N	8:25	23.5	36.9	6.92	100.6	8.16	0.95		0.77	0	12	۵
Ulua Beach WUL190208	\sim	8:46	29.0	36.8	6.92		8.15	0.64	0.62	0.65	4	l	0
Palauea WPL190208	\sim	9112	23.8	36.9	6.96	1015	8017	0.89	0.89	0.92	8	5	0
Poolenalena WPO190208	\wedge	9:31	23.9	36.9	6.97	101.8	8.18	0.64	0.71	755	0	2	2

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

pre sempleres blank read 0.11 - they

ded not take a 2nd reading or

with vial w/ black cloth. It

reminded them to try to get below

0.10

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.04	6.28	58.4	601
Pre-sampling	0.11	6,44	58.5	601
Post-sampling	0.04	6.52	58.4	601

CHAIN OF CUS	STODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	NULS	M. Brown
Bacteria	-	-	-

Signature/(Tgan, Lead):	Printed Name: //
2/1/1	11110
11/14/10/10	/ What Drown
10000	

Mai O Ka Wai Ola - Sample Collection Datashee

Team	Wailea	Samplers	Wolf of	
Session	27	(Last Name, 1st Initial)	lamb C	
Date	12/8/19		Janvie F	

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
WKD1902018-N-1	Kilohana Dr	4		8:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB1902018-N-1	Keawakapu Beach	9		8:25	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters		
WUL190208-N-1	Ulua Beach	ď		8:46	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPL190208-N-1	Palauea	9		9:12	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO190208-N-1	Poolenalena			9-31	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						

Signatur (Team Lead).	Printed Name:	
m/11.	1/11 /. 11	1-1-
Munic	MAKE	brown
1 1000		

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



Session No: Verifiers (pre-sampling): Pre Date: Pre Time: Verifiers (post-sampling): Post, Date: Post Time: 27 M. Brown 2/8/19 9:05 am M. Brown 2/8/19 10-30 am

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 24.2 _C	NIST J43 °C	NIST 24.8°C	NIST —°C	± 0.6 °C of NIST	Compare to NIST Std value in tap water	
	1	1	n/a		24.4		24.9				
	1	2	n/a			24.4					
Salinity			3 months	Std Val	Tap water	Salin Std J241 date 326 ppt	Tap water	Salin Std /////date 35./ppt	± 1 ppt	Tap water - compare pre & post values Salinity Std - compare to value on Salinity Std bottle	
	1	1	2.4.19		0.13	34.9	0.10	35.0			
		2	2.4.19		0.13	34.9	-				
Dissolved Oxygen		Association of the control of the co	1 year	Std Val	10	100%		0%	± 5 %		
	1	1	10.1.18		99	.9	100	.2			
	1	ン	10-118		100	1.8	_				
рН			3 weeks	Std Val	pH 7.00	pH 10.00	рН 7.00	pH 10.00	± 0.1 pH of pH std value	Compare to Manufacturer pH Std value on bottle	
	1	/	2.4.19		7.01	10,01	7.01	10.03			
	1	2	2.4.19		6.98	10.02	_				
Turbidity			3 months	Std Val	<u>BLANK</u> <0.1	<u>LOW 1-10</u> NTU	BLANK <0.1	LOW 1-10	± 0.18 NTU Low 1-10	Compare to Gel LOW 1-10 Std Calibration value	
	1	n/a	10.1.18		0.04	6.58	0.04	6.52			
	2	n/a	10.1.18		0.04	6.06					

QA:

* Are pre- and post within one week?

* Delay times are ok?

* Other equipment issues?