Team	Kamaole	Samplers	Saunders Taylor	Meters and Probes	s ID		
Session	33	(Last Name, 1st Initial)	kinnel, Jody	HQ40d: 1		2100Q: 1	
Date	6/11/19			pH: 1	DO: 1	Salinity	y: 1

	Streams		Salinity Disso		Dissolved	issolved Oxygen		T 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			People (within 100 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
Kalepolepo North NKN190611	N	7:55	26.5	32.8	5.76	85.8	8.09	2.35	3.25	2.61	Ø	3	Ø
Waipuilani Park KWP190611	NA	8:22	25,6	30.3	6.26	76.3	8.00	4.41	4.84	5.40	Ø	3	Ø
Kihei South KKS190611	NA	8:48	26.7	31.9	6,28	93.6	8.10	3.74	4.37	3.56	4	2	Ø
Kalama Park KKP190611	15	9:00	274	33.8	6.56	100.0	8.13	9,96	11.78	11.30	3	1	128
Cove Park KCP190611	N	9:19	27,7	31,1	4.70	101.1	8.12	3.92	5128	3.05	20*	Ø	Ø

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

Use the back of the form if needed.

Blank 1st read . 27 cleaned w/ doth 2nd . 19 cleaned again. 06

NISTOKKP 27.3°C KCP surfers NIST CKCP 87.6

Noticed scratches on turbidity sample battle side.

	, , , -			
TURBIDITY VER	IFICATION	6.59	-01	
	Blank (must be <0.10)	Low	Med	High
Standard	0.04	642	58.6	593
Pre-sampling	0.06	6.50	59.2	593
Post-sampling	0.04	6.56	59.2	593

CHAIN OF CUS	TODY INFORMATION	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	*
Nutrients	6	NAS	MBron
Bacteria	-	-	-

Signature (Team Kead):	Printed Name:
with the	MIAP
Mullin	_ flutch Drown

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

Team	Kamaole	Samplers	Saunders	T.	
Session	33	(Last Name, 1st Initial)	Kimmel	J.	
Date	6/11/19		10000		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NKN190611	Kalepolepo North	13		7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KWP190611	Waipuilani Park	ď		8:22	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	1
KKS190611	Kihei South	E .		8.40	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KKP190611	Kalama Park	Ø		9:00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
KCP190611	Cove Park	D		9:19	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

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

Signature (Team Bead):	Printed Name:	
Signature (Team Gead):		
	1/1//. 10/6	7
// // // // // // // // // // // // //	IIIII	neckhal
May In	1111000	0,00,

Team	Makena	Samplers	A. Fred, J. Dunning, B. Sousa	Meters and	Probes ID	<i>j</i> ./
Session	33	(Last Name, 1st Initial)	Jane Many	HQ40d: 1		2100Q: 1
Date	6/12/19			pH: 1	DO: 1	Salinity: 1

	Streams	Streams Time		Salinity	Salinity Dissolved	ed Oxygen		T1:1:4	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	pH 8-8.3 normal	Turbidity (NTU)	water	beach	camp
Makena Landing MML190612		8:02	26.6	34.0	6.38	96.0	8.14	1.05 1.08 1.11	/	10	0
S Maluaka Beach MMB190612		8:33	27.3	33.9	6.29	95.8	8-11	0.55 0.54 0.69	10	4	0
Oneuli MON190612		9:00	27.2	34.5	6.05	73.3	8.06	0.73 0.85 0.79	0 1	at he	0
Ahihi Kinau North MAN190612		9:26	27.1	34.6	7.45	113.3	8.13	1.47 1.03 1.15	4	0	0
Ahihi Kinau South MAS190612		9:51	27.3	35.0	6.27	96.1	8.11	0.53 0.53 0.58	14	15	0

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

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.04	6.59	59.1	593
Pre-sampling	0.05	6.59	59.2	593
Post-sampling	0.05	6.50	58.5	691

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

1	1.1	1
VUSTO	Monz	-observer

Signature (Team Lead): 1	Printed Name;
-nt-1	1111 20
MM Str	I Mich Diens

Team]	Makena	Samplers	S. Frice
Session	33	(Last Name, 1st Initial)	J. Dunning
Date 6	6/12/19	iot initial)	B. Sousa

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
MML190612	Makena Landing			8:02	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MMB190612	South Maluaka Beach	3		8.33	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MON190612	Oneuli			9.00	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAN190612	Ahihi-Kinau North	ø		9:26	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
MAS190612	Ahihi-Kinau South	Þ		9:57	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	

Sediments			
		500	nl
		500	nl
		500 1	nl
		500 1	nl
		500 1	nl

Signature (Team Lead):	Printed Name:	.0
TITIMULI	Mitell	Brown
man most	MUIO.C	0100

				and the same of th	and the second s	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	and the second s
Team	North Kibei	Samplers	T. Stark,		Meters and Pro	bes ID	9
Session	33	(Last Name, 1st Initial)	F. Bahr		HQ40d: 1	2100	Q: 1
Date	6 13/19		F. They holm		pH: 1	DO: 1	Salinity: 1

			Salinity		Dissolved Oxygen					People (within 100 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 NHP190613	N	8:15	100.2	33.9 fs	6:71 de	100.2	8.09	4.18	4,44	4.04	0	3_	0
Kealia Pond NKP190613	N	8:45	26.6	35.1	6.56	99.3	8.17	1.08	1.12	1.01	0	0	0
Sugar Beach NSB190613	13	9:06	26.8	34,9	6,16	100.7	8.13	2.12	2.37	2.36	0	8	0
Kihei Canoe Club NKC190613	N	9:25	27.0	34.2		99.5	8.12	2.73	2.85	3.18	3	5	0
Mai Poina Oe Iau NMP190613	N	9:40	27.5	32.1	6.40	97.0	8.02	4,83	4.80	4.98	3	3	0

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

Use the back of the form if needed.

NHP - low tide

Kaycraft-we didn't hold the probes up so we did it again. Kealia-we did salinity 2x, both 35.1

Sugar Beach - door present

Kitei Canoc Club - N50 kids by cance chib

La throughty checked "318" 2x 45ame

NMP - I dog a we could smell the sprayed sunblak

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.05	6.59	59.1	593
Pre-sampling	,07	6.59	59.0	593
Post-sampling	0.05	6.57	59.3	592

	# of samples	Relinquished to	Contact
Sediment	-	•	-
Nutrients	5	NMS	T-Stark
Bacteria		-	-

Signature (Team Lead):

Printed Name:

Tiara Stark

Team	North Kihei	Samplers	Stark, T.	Thunholm,	K.
Session	33	(Last Name, 1st Initial)	Bahr, F.		
Date	6/13/19		Riley, R.		

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
Nutrients							
NHP190613	Haycraft Park			8:15	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKP190613	Kealia Pond	2		8:45	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NSB190613	Sugar Beach	10/	П	9:06	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NKC190613	Kihei Canoe Club	V/		9:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
NMP190613	Mai Poina Oe Iau	M		9:40	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
Sediments							
					500 ml		
					500 ml		mentana and a commentant and a comment a
		ū			500 ml		
					500 ml		
					500 ml		

Jarvie, J. Walf, A. Stark, T. Team Wailea Meters and Probes ID Samplers (Last Name, Session 33 HQ40d: 1 2100Q: 1 1st Initial) Date 6/14/19 pH: 1 Salinity: 1 DO: 1

	Streams	is Time	7,700	Salinity	Dissolved Oxygen		-14	Turbidity (NTU)		People (within 100 ft)			
Location Name Sample ID	Flowing (Y/N)	(of collection)	Temp (ppt) (°C) 30-35 variable normal		(mg/L)	(%) 85-105 normal	pH 8-8.3 normal			water	beach	camp	
Kilohana Dr WKD190614	N	7:55	26.5	34.5	6.62	99.8	5.11	1-61	1.64	1-66	1	8	0
Keawakapu Beach WKB190614	\sim	8:20	27.1	34.9	6.58	100.3	8.14	1-23	1.37	1.46	0	21	8
Ulua Beach WUL190614	\mathcal{N}	8:42	26.9	34.4	6.61	100.4	8.12	1.99	2.99	2.33	22	25	0
Palauea WPL190614	N	9:06	27.6	34.5	6.59	101.2	8.14	3.90	3.75	3.46	2	30	0
Poolenalena WPO190614	N	9:25	27.5	34.8	6.58	101.2	8.18	1.08	1.29	1.16	l	8	0

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

high surf 5'

TURBIDITY VER	IFICATION			
	Blank (must be <0.10)	Low	Med	High
Standard	0.05	6.59	59.1	593
Pre-sampling	0.05	6.56	59.2	593
Post-sampling	0.06	6.54	59.2	593

CHAIN OF CUS	STODY INFORMATI	ON	
	# of samples	Relinquished to	Contact
Sediment	-	-	-
Nutrients	5	NMS	T. Stack
Bacteria	-		7

Signature (Team Lead): Printed Name:

Tiava Stark

Session 33 (Last Name, 1st Initial) Stark, T.	Team Wailea	Samplers	Janie, J. Wolf, A.
Date 61419	Session 33		
The state of the s	Date 6 14/19		Stourk! 1.

Sample ID	Location Name	Sample taken?	Storm sample?	Time	Volume	Protocol Notes	Comments
utrients							
WKD190614	Kilohana Dr			7:55	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WKB190614	Keawakapu Beach	N		8:20	125 ml	Washed, rinsed syringes; acid washed bottles: 0.2 um disposable filters	
WUL190614	Ulua Beach	V		8:42	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable fifters	
WPL190614	Palauea			9:06	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
WPO190614	Poolenalena	4		9:25	125 ml	Washed, rinsed syringes; acid washed bottles; 0.2 um disposable filters	
ediments							
					500 ml		
Commentation and Architecture Commentation (1995) Separate					500 ml		
		0			500 ml		
					500 ml		
					500 ml		

Signature (Team Lead):	Printed Name:	
Lingell	Tiara	Stark

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



Session No:	M	Verifie Brow	ers (pre-sam	pling): Star		Pre Date: 6/10/19	Pre Tir		Verifiers (post-sa	mpling):	Post Date:	Post Time:
QA/QC Check	Inst#	Probe	Last Cal Date			PRE: Verification Value		OST: tion Value	Acceptable Range	Со	mments/ Notes	QA?
l'emperature	NIST	n/a	n/a	Std Val	28.4°c	NIST 27.6°C	NIST 29.0°C	NIST °C	± 0.6 °C of NIST	Compare to N	IST Std value in tap wa	der
	1	1	n/a		28.42		30.2					
	1	2	n/a			27.4						
Salinity			3 months	Std Val	Tap water 0.13	Salin Std 6/3/19 date 34.3ppt	Tap water O. 13	Salin Std 6 [3]19 date 34.3 ppt	±1 ppt	Salinity Std - c Salinity	mpare pre & post value ompare to value on y Std bottle	Stard: 25
	1	/	5/20/19		0.12	33.1	0.12	33.1	33.1		prope#1 b/c	AIN 25.8
	/	2	5/20/19		0.12	33.2	-		33.1	Recalibrated	Probe # 2 "	Stand 25
Dissolved Oxygen			1 year	Std Val	100%		100%		± 5 %			
	1	1	10/1/18		99		99,	10/0				
	1	2	10/1/18		99.	970		_				
ρН			3 weeks	Std Val	pH 7.00	рН 10.00	pH 7.00	рН 10.00	± 0.1 pH of pH std value	Compare to Man	nufacturer pH Std value bottle	on
	1	1	6/1919		7.00	10.61	7.03	10.03				
	1	2	6/10/19		7.00	10.01						
Turbidity			3 months	Std Val	BLANK <0.1	LOW 1-10 NTU	BLANK <0.1	LOW 1-10 NTU	± 0.18 NTU Low 1-10	Compare to C Std Calibr	Gel LOW 1-10 ration value	
	/	n/a	5/20/19		0.04	6.42	0.06	6.54				
	2	n/a	5/20/19		0.03	6.28						

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

^{*} Other equipment issues?