#4.

Hawaiian Explorations.

Dr 3874 - Dr 3886.

Hy 4096 - Hy 4130.

April 12 - 17, 1902.

		2500		
		2600		
Next Hyd		2700		
		2800	4096	
Next		2900		
		3000	3874	
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Steiley. P. L. 46.7

No. 4096 Date 12 Apr 02

Tanner Machine. Reel.

Turns 41 Cor. + 2/4 Depth 43 fms

Shot ~~or lead~~ 35

Bottom S + bk S

Bottom temperature 74.4

No. of thermometer 98233 Cor. +0.1

Corrected temperature 74.5

Air 84 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Atte DOWN.	UP.		DOWN.	UP.
9: 20.00	22.30	0		
20.30	22.00	41 ~~100~~		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Pt., Molokai Channel
N 11° 30' E. true 18 5/10 miles

		2500		
		2600	HO #1368.	
		2700		
		2800		
		2900		
		3000		
		3100		
496	12	3200		
41	10	3300		
455	2	3400		
	41	3500		
	43	3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stanley

P. L. 49.7

No. 4097 Hdl Date 12 Apr. 02

Tanner Machine. — Reel. —

Turns 35 Cor. + 1 Depth 36 fms

~~Shot or~~ lead 35 #

Bottom Sand P.

Bottom temperature 74.0

No. of thermometer 98233 Cor. +0.1

Corrected temperature 74.1

Air 84 Surface 77 Drift

Trawl or dredge

Am SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
9:32.30	35:00	0		
33.00	9.34:30	35 ~~100~~		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk, Molokai Channel
N 14° E, true 19 7/10 miles

OK
HCG.
2/2

		2500	
		2600	HO #1368.
		2700	
		2800	
		2900	
		3000	
1496	12	3100	
35	10	3200	
461	7	3300	
	35	3400	
	36	3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stirley

607.

P. J. 50.7

No. 4098 Hyd Date 12 apr. 07

Sauner Machine. Reel.

Turns 27 Cor. + 1 Depth 28 fms

Shot or lead 35 #

Bottom P.

Bottom temperature 74.2

No. of thermometer 98253 Cor. +0.1

Corrected temperature 74.8

Air 84 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9:46.40	9:49.00	0		
47.05	48.30	27 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk. Molokai Chan'l
N 16° 15' E. true 19 9/10'

		2500		
		2600	HO # 1368.	
OK HCO.		2700		
		2800		
		2900		
		3000		
496	12	3100		
27	11	3200		
469	1	3300		
	27	3400		
	28	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stainey

No. 4099 Hyd Date 12 Apr 1902

— Machine. — Reel. 15 fms.

Turns — Cor. + — Depth ~~14~~ 14 fms.

~~Shot or~~ lead Hand

Bottom hard

Bottom temperature

No. of thermometer None Cor.

Corrected temperature

Air 84 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Am 9:49.30		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk. Molokai Chanl
N 17° E. true 20 mi

		2500		
		2600	AO # 1368.	
		2700		
		2800	1/4' off shore at	
		2900	East extreme of	
		3000	Lanai Id.	
496	12	3100		
		3200		
		3300		
		3400		
		3500 fms		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Lost one patent log -			
proper 100	and 2 fms Log Line :-			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

607

Stanley

No. 3874 Date 12 Apr 1902

Tanner Machine. Reel.

Turns 20 Cor. + 1 Depth 21 fms

~~Shot or~~ lead 35 #

Bottom S. and P. Sh.

Bottom temperature 75 2

No. of thermometer 98233 Cor. +0.1

Corrected temperature 75 3

Air 81 Surface 76 Drift S 25° ~~30~~ W 6/10' all to a

~~Trawl or dredge~~ 6 Tangle Swabs

Am SOUNDING WIRE.		TURNS.	Am DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10:30.20	31.50	0	10:35.00	52.20
" .47	10.31.30	20 ~~100~~	38.00	49.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk. Molokai Chan'l
N 19° 45' E. true 18 2/10'
HO # 1368.

OK
H.C.A.
2

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
496	12	3100		
20	11	3200		
476	1	3300		
	20	3400		
	21	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Results nil - Swabs sent over by mistake, before being cleaned.

507.

Stairey

No. 4100 Hyd Date 12 Apr. 1902

Tanner Machine. — Reel.

Turns 27 Cor. + 1 Depth 28 fms

~~Shot or~~ lead 35 #

Bottom P.

Bottom temperature 74.4

No. of thermometer 98233 Cor. +0.1

Corrected temperature 74.5

Air 81 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Aut.				
10:54.30	5½:50	0		
54.55	5½:25	27 ~~100~~		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

This marks end of station for 3874

2—571

Mokukooniki Rk. Molokai Chan'l
N 19°30' E. true 17 5/10'
HO #1368.

OK
HOA.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
496	12	3100		
27	11	3200		
469	1	3300		
	27	3400		
	28	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507

Stanley P. f. 54.

No. 24101 Fy Date 12 Apr 1902

Lanner Machine. — Reel. —

Turns 15 Cor. + 1 Depth 16 fms

~~Shot or~~ lead 35 #

Bottom fne. dk S

Bottom temperature 75.4

No. of thermometer 98233 Cor. +0.1

Corrected temperature 75.5

Air 79 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.27.00	11.30	0		
27.10	29.40	105 ~~100~~		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

(10)

2—571

Mokuhooniki Rk, Molokai Chanl
N 30° E, true 17 2/10'

		2500		
		2600	HO # 1268.	
		2700		
		2800	1/2' from shore at	
		2900	Mondole, NE coast	
		3000	Lanai	
496	12	3100		
15	11	3200		
481	1	3300		
	16	3400		
	16	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507

Gravity Arrival

R. S. 55.5

No. 4107 Date 12 Apr 02

Sanner Machine. Reel.

Turns 32 Cor. + 1 Depth 33 fms.

~~Shot or lead~~ 35 #

Bottom fne dk S.

Bottom temperature 73.4

No. of thermometer 98233 Cor. +0.1

Corrected temperature 73.5

Air 79. Surface 77. Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.46.30	11.49.00	0		
47.00	48.30	32 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk. Molokai Chan'l
N 26° 30' E, true 15 8/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Arrival

P.L. = 57.

No. Hy. 4103. Date 12 April, '02.

Tanner Machine. Reel.

Turns 32 Cor. + 1 Depth 33 fms.

~~Shot or~~ lead 26 lbs.

Bottom Co. brk. Sh.

Bottom temperature 74.0

No. of thermometer 98233. Cor. +0.1

Corrected temperature 74.1

Air 78. Surface 77. Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.m. DOWN.	UP.		DOWN.	UP.
12.06.10	12.08.30	0		
06.30	08.00	32 ~~100~~		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk. Molokai Chan'l.
N21° E. true 14 7/10'

NO #1368.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
496	12	3600		
32	11	3700		
464	1	3800		
	32	3900		
	33 fms.	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

P.L. = 58.5

No. Dr. 3875. Date 12 Apr. 02.

Tanner Machine. Reel.

Turns 62 Cor. + 3 Depth 65 fms.

~~Shot or~~ lead 26 lbs.

Bottom fne. gy. S.

Bottom temperature 70.8

No. of thermometer 98233 Cor. 0

Corrected temperature 70.8

Air 78. Surface 77. Drift East 1' ad [illegible]

Trawl ~~or dredge~~ 9 ft Tanner.

P.m. SOUNDING WIRE.		TURNS.	P.m. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.23.05	12.27.10	0	12.31.00	1.02.05
24.45	26.15	~~100~~ 62	35.30	57.00
		150.	12.37.30	12.54.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mokuhooniki Rk. Molokai Chan'l
N. 14° 30' E. true 13 7/10'

HO #1368.

OK
H.O.F.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
496.	12.	3600	
62	9	3700	
434	6 3/2	3800	
		3900	
	65 fms.	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200	Catch =			
300	Great quantities of algae and			
400	broken shells; many small crabs;			
500	alpheus; shrimp; large broken			
600	urchin; 3 other regular urchins;			
700	1 clypeastrid; large 10-ray starfish;			
800	sevl pentaceus-like starfishes;			
900	1 small starfish; 2 kinds serpent			
1000	stars; 2 or 3 kinds holothurians;			

REMARKS:

oliva-like gastropod, and several others; lamellibranchs; 2 kinds coral; many ascidians; planarian, and several other worms; 1 nudibranch; apogon; citharichthys; pomacenthrus; synodus.

507. 1

No. Hy 4104. Date 12 Apr. 02.

Tanner Machine. Reel.

Turns 33 Cor. + 1 Depth 34 fms.

~~Shot or~~ lead 26 lbs.

Bottom S. G.

Bottom temperature 73.6

No. of thermometer 98233. Cor. +0.1

Corrected temperature 73.7

Air 78 Surface 77 Drift

Trawl or dredge

P.m. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.08.00	1.10.10	0		
1.08.25	1.09.30	33 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
Also marks end of		900		
		1000		
Dr. 38	75.	1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk. Molokai Chan'l
N 10° 15' E. true 135/10'

		2500		
		2600	HO # 1368.	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
496.	12.	3500		
33	11	3600		
463	1	3700		
	33	3800		
	34 fms.	3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507,

P.L. = 59.8

Arr. R.

No. 4105. Hy Date 12 Apr. 02

Tanner Machine. Reel.

Turns 26 Cor. + 1 Depth 27 fms.

~~Shot or~~ lead 26 Lbs.

Bottom P.

Bottom temperature 74.3

No. of thermometer 98233 Cor. +0.1

Corrected temperature 74.4

Air 78. Surface 77. Drift

Trawl or dredge

Pm. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 26.50	29.05	0		
1. 27.10	28.40	~~100~~ 26		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Pk. Molokai Chanl
N 5° E. true 12 9/10'

		2500		
		2600	HO# 1368.	
ok		2700		
HCF		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
496.	12	3600		
26	"	3700		
470	1	3800		
	26	3900		
	27 fms	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

P.L. = 60.5

No. Hy. 4106. Date 12 Apr. 02.

Tanner Machine. Reel.

Turns 30 Cor. + Depth 31 fms

~~Shot or~~ lead 26 lbs.

Bottom P.

Bottom temperature 75.

No. of thermometer 98233. Cor. +0.1

Corrected temperature 75.1

Air 78. Surface 77 Drift

Trawl or dredge

Fm. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.39.10	41.20	0		
1.39.30	41.00	30		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Pt. Molokai Channel

N 1° E. true 125 10'

		2500		
		2600	NO # 1368.	
		2700		
OK H.C.B.		2800	6/10' West (true) from	
		2900	beach at Kekaa.	
		3000	N W coast Maui	
		3100		
		3200		
		3300		
		3400		
		3500		
496.	12.	3600		5
30	11	3700		
466	3'	3800		
	3, fms	3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson Stanley Pat Log 61.5

No. D 3876 Date Apr 14-'02.

Sigsbee Machine. #1 Reel. Navy

Turns 25 Cor. + 3 Depth 28 fms

~~Shot or~~ lead 26 lbs

Bottom S. G.

Bottom temperature Thermometer did not trip

No. of thermometer 98233 Cor.

Corrected temperature

Air 73 Surface 75 Drift S 52° W 7/10 all [illegible]

Trawl ~~or dredge~~ 9 ft Tanner with apron

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-29.20	31.50	0	7-35.10	51.30
29.40	30.35	100	39.30	7-44.10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light. Maui.
N60°45' E. true 1 6/10 mile

		2500	
		2600	HO #1368.
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4600	246	3400	
25	243	3500	
4575	3	3600	
	25	3700	
	28	3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch = Great load of green articulated corallines; several kinds sponges; many annelids of sev'l sps; nemerteans; sev'l sps. holothurians; few starfish, 3 sps; sev'l urchins, 2 sps; several lamellibranchs and gastropods;

REMARKS:

foliaceous coral; 8 sps. fishes; many kinds crabs; several stomatopods; alpheus-in sponge cavities; 2 sps. shrimps; several anemones; 2 sps. nudibranchs.

007.

Albany

No. 4107 Sty Date 14th Apr. 1902

Sigsbee Machine. Reel. Noon

Turns 39 Cor. + 4 Depth 43 fms

~~Shot~~ or lead 26 #

Bottom S ~~[illegible]~~ V.

Bottom temperature 73.9

No. of thermometer 98 & 23 Cor. +0.1

Corrected temperature 74.2

Air 73 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Attl 7:59.00	03.10	0		
59.40	8:02:10	39 ~~100~~		
		200		
		300		
		400		
Marks end of		500		
dr. 3874.		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light, Maui Id
N 58° 30' E. true 2 3/10'

OK
HOS
/27

HO # 1368.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
4600	246	3200		
39	242	3300		
4561	4	3400		
	39	3500		
	43	3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Stanley P. L. 67.

No. 3877 Dr Date 14 Apr 1902

Lanner Machine. — Reel. —

Turns 24 Cor. + 11 Depth 25 fms

~~Shot or~~ lead 26 #

Bottom Co. R.

Bottom temperature 73.9

No. of thermometer 98233 Cor. +0.1

Corrected temperature 74.0

Air 76 Surface 77 Drift 730 S. W. 10

~~Trawl or dredge~~ 6 Tangles Swabs

Am

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8:49:15	8:53.00	0	8:54.30	
50.30	51.20	24	9:00.20	Sort
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300	Also	250#
		1400		Sinker.
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light, Maui Id
N 30° 15' W. true 4 8/10'

		2500		
		2600	H.O. # 1368.	
		2700		
		2800		
		2900		
		3000		
496	12	3100		
24	11	3200		
472	1	3300		
	24	3400		
	25	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK H.O.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	At 9:00 wire carried			
100	away - no doubt caught			
200	in ships propeller.			
300	Lost out-fit, consisting			
400	of 6 tangle swabs + frame			
500	and 80 fms. of dredge			
600	rope. Fork at bottom			
700	of accumulator carried			
800	away, bolts holding same			
900	broken.			
1000				

REMARKS:

Lost everything - no catch

Stowey

507

No. 4108 Hy Date 14th Apr 1902

Lanner Machine. — Reel. —

Turns 30 Cor. + 1 Depth 31 fms

~~Shot or~~ lead 26 #

Bottom Co

Bottom temperature 72.9

No. of thermometer 98233 Cor. +0.1

Corrected temperature 73.0

Air 76 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Att. 9.12.35	15:00	0		
13.00	9:14.30	30		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light, Maui

N 30° W. true

		2500		
		2600	NO # 1368	
		2700		
		2800		
		2900		
		3000		
496	12	3100		
30	1	3200		
466	1	3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stanley P. L. 69.

507.

No. 4109 Hy. Date 14 + Apr 1902

Sigsbee Machine. 1 Reel. Navy

Turns 40 Cor. + 4 Depth 44 fms

~~Shot or~~ lead 36 ft

Bottom 80

Bottom temperature 72 4

No. of thermometer 98233 Cor. +0.1

Corrected temperature 72 5

Air 76 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Aver 9:37.20	40.10	0		
38.00	9:39.30	40 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light, Maui
N 30 15' W. true 4 5/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
4606	446	3100		
40	242	3200		
4560	4	3300		
	40	3400		
	44	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Stanley P. L. 71.°

No. 4110 Ify Date 14 Apr 1902

Sigsbee Machine. 1 Reel. Navy

Turns 62 Cor. + 6 Depth 68 JMS

~~Shot or~~ lead 36

Bottom ~~Sand~~ Sh.

Bottom temperature 71 3

No. of thermometer 98233 Cor. 0

Corrected temperature 71 3

Air 87 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Att. 10: 01.10	10.04 30	0		
01.50	03.30	62		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light, Maui Id.
N 20° E. true 5 3/10'

		2500		
		2600	HO # 1368.	
		2700		
		2800		
		2900		
		3000		
		3100		
4600	246	3200		
62	239	3300		
4538	7	3400		
	62	3500		
	69	3600		
		3700		
		3800		
		3900		
		4000		

OK
HCF.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Stanley P. L. 73.

No. 4111 Sfy. Date 14 Apr. 02

Sigsbee Machine. Reel. Navy

Turns 63 Cor. + 6 Depth 69 fms

~~Shot or~~ lead 3½ #

Bottom fne S.

Bottom temperature 71

No. of thermometer 98233 Cor. 0

Corrected temperature 71

Air 87 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.24.30	10.27.45	0		
25.30	27.00	63		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light Maui Id.
N 34° 30' E. true 6 9/10'

		2500		
		2600	HO # 1368.	
OK H.C.G.		2700		
		2800		
		2900		
		3000		
		3100		
4600	246	3200		
63	239	3300		
537	7	3400		
	6	3500		
	70	3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Scotty P. 2/5.

No. 4117 Sfg Date 14 Apr 1902

Segsber Machine. 1 Reel. Navy

Turns 62 Cor. + 6 Depth 68 Jms

~~Shot or~~ lead 36 #

Bottom ~~Sand~~ P.

Bottom temperature 69°

No. of thermometer 98233 Cor. 0

Corrected temperature 69

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10:49.25	10.52.50	0		
50.15	51.45	~~100~~ 62		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light, Maui Id.
N44° E. true 9 2/10'

		2500		
		2600	NO # 1368.	
OK		2700		
		2800		
		2900		
		3000		
		3100		
4600	246	3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Sowery P. L. 77

No. 4113 Hy Date 14 Apr 1902

Sigsbee Machine. Reel. Navy

Turns 68 Cor. + 7 Depth 75 fms

~~Shot or~~ lead 36 #

Bottom fne S + P

Bottom temperature 70'

No. of thermometer 98233 Cor. 0

Corrected temperature 70½

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Att 11:12.15	11.15.50	0		
13.20	14.40	68		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Lahaina Light, Maui Id.,
N 49° 30' E. true 11/10 miles

HO # 1368.

OK
HO.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
4600	246	3100		
68	239	3200		
4532	7	3300		
	68	3400		
	75	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stanley Arnkiff 79.5

No. 4114 Hy Date 14th Apr 1902

Sigsbee Machine. 1 Reel. Noon

Turns 58 Cor. + 6 Depth 64 fms

~~Shot or lead~~ 36 #

Bottom fne S. M.

Bottom temperature 66.5

No. of thermometer 98233 Cor. 0

Corrected temperature 66.5

Air 76 Surface 76 Drift

Trawl or dredge

Am.	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
11:	44.15	11.48.00	0		
	45.05	46.50	~~100~~ 58		
			200		
			300		
			400		
			500		
			600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

2—571

Molokini Islet S 74° E, true

22 5/10'

HO # 1368

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
4600	246	3100		
58	280	3200		
4542	6	3300		
	58	3400		
	64	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

8d of Lanai + Wd of Kahoolawe

No. Hy. 4115. Date 14 Apr. '02.

Surface Machine. 1 Reel. Navy

Turns 163 Cor. + 6 Depth 179 fms.

~~Shot or~~ lead 36 lbs.

Bottom fine S. Co.

Bottom temperature 53.9

No. of thermometer 98233. Cor. -0.3

Corrected temperature 53.6

Air 75. Surface 76. Drift

~~Traul or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		DOWN.	UP.
12.17.00	12.23.40	0		
18.30	22.25	100		
12.19.50	12.21.20	163 ~~200~~		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, S. 81° E, true 24'/10'

OK
H.C.F.

		2500		
		2600	Ht # 1368	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4600	246	3500	496	12
163	230	3600		
4437	16	3700		
	163	3800		
	179	3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

P.L. = 85.5

No. Hy. 4116. Date 14 Apr. '02.

Sigsbee Machine. Reel. Navy

Turns 253 Cor. + 25 Depth 278 fms.

~~Shot or lead~~ 35 lbs.

Bottom S. M.

Bottom temperature 45.2

No. of thermometer 98233. Cor. 0

Corrected temperature 45.2

Air 75. Surface 76. Drift

~~Trawl or dredge~~

P.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
12.53.10	1.01.10	0		
54.10	59.35	100		
55.15	58.20	200		
12.56.05	12.57.40	253 ~~300~~		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, S 87°15' E. 27 mi

		2500		
		2600	H O & 1368	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4600	246	3600		
258	221	3700		
4347	25	3800		
	253	3900		
	278 fms	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

571

P.L. = 88.5

No. Hy. 4117 Date 14 Apr. '02.

Sirsbee Machine. #1. Reel. Navy

Turns 334 Cor. + 32 Depth 367 fms.

Shot ~~or lead~~ 35 lbs.

Bottom Br. M.

Bottom temperature 43.-

No. of thermometer 98233. Cor. 0

Corrected temperature 43-

Air 79. Surface 77. Drift

~~Trawl or dredge~~

P.m. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.27.15	1.36.30	0		
28.10	35.20	100		
29.25	34.10	200		
30.40	33.10	300		
1.31.10	1.32.40	~~400~~ 334		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, N 89°15' E. 30'

		2500		
		2600	AH # 1368	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4600	246	3700		
334	213	3800		
4266	33			
	334	3900		
	367 fwd.	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

April

PL. = 91.5

No. Hy. 4118. Date 14 April, '02.

Sigsbee Machine. 1. Reel. Navy

Turns 338 Cor. + 34 Depth 372 fms.

Shot ~~or lead~~ 35 lbs.

Bottom br. M.

Bottom temperature 42.2

No. of thermometer 98233. Cor. 0

Corrected temperature 42.3

Air 81 Surface 77 Drift

~~Trawl or dredge~~

Fm. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2, 02.15	2. 11.20	0		
03. 20	10.10	100		
04. 20	09.10	200		
05. 25	08.00	300		
2. 06.00	2. 07.30	338 400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Sbt, 86° 30' E. 32 8/10'

		2500		
		2600	HO #1368	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4600.	246.	3700		
338	212	3800		
4262	34			
	338	3900		
	372 fms	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Arrival

P.L. = 94.5

No. Hy 4119. Date 14 April '02.

Sirsbee Machine. #1. Reel. Navy

Turns 388. Cor. + 39 Depth 427 fms.

Shot ~~or lead~~ 35 Lbs.

Bottom fine S. For.

Bottom temperature 41.

No. of thermometer 98233. Cor. 0

Corrected temperature 41.

Air 81 Surface 77 Drift

~~Trawl or dredge~~

P.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
2.37.45	48.15	0		
38.50	47.00	100		
39.45	45.55	200		
40.55	44.50	300		
2.42.15	2.43.45	388 400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, N 83° E, true 35 8/10

OK
H.C.F.
Jr

		2500		
		2600	HO #1368.	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
	388	3500		
	39	3600		
	427 fms.	3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pd. = 97.5

No. Ay. 4120. Date 14 April 02.

Sigsbee Machine. Reel. Navy

Turns 1036 Cor. + 99 Depth 1135 fms.

Shot ~~or lead~~ 35 lbs.

Bottom fne S. Globi.

Bottom temperature 35.8

No. of thermometer 98233. Cor. +0.1

Corrected temperature 35.9

Air 81 Surface 80 Drift

~~Trawl or dredge~~

Pm. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3. 13.00	3.39.30	0		
13.55	38.30	100		
14.55	37.20	200		
16.00	36.10	300		
17.10	34.55	400		
18.30	33.40	500		
19.55	32.25	600		
21.15	31.15	700		
22.45	30.10	800		
24.00	29.05	900		
25.25	28.00	1000		
3. 26.00	3.27.30	1036 ~~1100~~		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Molokini Islet, N 10° 15' E. true, 39 2/10'

		2500		
		2600	HO#1368.	
OK HCB.		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4600 - 246		3600		
1036 147		3700		
3564 99		3800		
1036		3900		
1135 fms		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Hutchinson

P.L. = 2.5

No. Hy 4121 Date 14 Apr. '02 P.M.

Sigsbee Machine. 1 Reel. Navy

Turns 1350 Cor. + 122 Depth 1474 fms

Shot ~~or lead~~ 60 Lbs.

Bottom Specimen accidently thrown overboard

Bottom temperature 35.1

No. of thermometer 98233. Cor. +0.1

Corrected temperature 35.2

Air 78 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-21.55	54.35	0	5.01.20	32.30
22.50	53.25	100	04=	28.20
23.55	52.20	200	06.40	25.10
25=	51.10	300	09.05	22.15
25.55	49.40	400	11.50	19.20
26.55	48.40	500	15.30	16.25
27.55	47.40	600	16:30	13.30
29=	46.35	700	17.20	11=
30.10	45.30	800	18:10	08.30
31.25	44.25	900	18:50	06=
32.40	43.20	1000	19:40	03.20
33.50	42.05	1100	20:30	7-00.40
34.55	40.55	1200	21:15	57.45
36.05	39.40	1300	22:10	54.50
37.10	4-38.40	1350 ~~1400~~	23.00	51.45
		1500	23.45	48.45
		1600	24.30	45.20
		1700	25.20	42.50
		1800	26:10	38.25
		1900	27.10	35.45
		2000	28:05	30.55
		2100	29:10	26.40
		2200	31=	22.30
		2300	32.10	18=
		2400	33.30	6-13.20

2—571

Molokini Islet, N 81° 15' E. true 46 9/10'

HO#1368		2500	35 =	08.25
		2600	36.30	6.03 10
		2700	38 =	57.20
		2800	39.30	52.20
		2900	41 —	48.30
42.50	45.30	3000	42.50	45.30
		3100		
		3200		
		3300		
		3400		
4600	246	3500		
1350	122	3600		
3250	124	3700		
	1350	3800		
	1474	3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Dredge Rope stretched			
50	17 fms			
100				
200				
300	Ran dredge rope off			
400	to 3000 fms to take			
500	out turns.			
600				
700				
800				
900				
1000				

REMARKS:

Surface net [illegible] at
" " in "

607

Hutchins Davey

No. Dr 3878 Date Apr 14-02

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer } none Cor.

Corrected temperature

Air 74 Surface 77 Drift SE 1'

~~Trawl or dredge~~ Open Intermediate

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
		0	7.44.20	8.17.00
		100	48.20	11.00
		104 ~~200~~	48.30	8.10.30
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Int. net catch = several red shrimps; 2 myctophum; 2 medusa; many kinds copepods; few halobates; young crabs.

Surface nets over at 8:29 10
" " in " 8.39
" " over " 8.46 10
" " in " 8.56

Surface net catch = Hydromedusae; 2 kinds ctenophores; Salpae; heteropod; 3 sps. cephalopods; megalops of crab; phyllosoma; diphyopsis; ophiuran; many kinds crustacea; halobates; flying fish; pegasus; 2 kinds myctophum; 3 sps. small unknown fishes.

20
37

2—571

Molokini Islet, N 81° E, true 51 2/10'.

		2500		
		2600	H8 # 1368.	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
Towing depth		3700		
75 fm -		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Light airs from			
50	E.N.E., Sea calm			
100	with gentle swell			
200	Overcast and			
300	rainy			
400				
500				
600				
700	2 nets tandem on			
800	port boom -			
900				
1000				

REMARKS:

Surface Net over at 7.43 P.M.
" " in " 7.59 16 "
" " over " 8:01 10
" " in " 8:11
" " over " 8:12 11
" " in " 8:23

37

507.

Arrival

No. Hy 4122 Date 15 Apr. 02

Engineer Machine. #1 Reel. Navy

Turns 2031 Cor. + 170 Depth 2201 fms

Shot ~~or lead~~ 35 lbs.

Bottom Glob Oz

Bottom temperature 35.0.

No. of thermometer 98233 Cor. +0.1

Corrected temperature 35.1

Air 75 Surface 76. Drift

Trawl or dredge

Am	SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
5.	35.10	36.25	0		
	37.50	35.15	100		
	39.00	34.15	200		
	40.10	33.10	300		
	41.25	31.25	400		
	42.50	30.25	500		
	44.20	29.20	600		
	45.50	28.15	700		
	47.20	27.10	800		
	48.55	26.05	900		
	50.30	25.00	1000		
	52.00	23.50	1100		
	53.30	22.35	1200		
	55.00	21.25	1300		
	56.45	20.05	1400		
	58.35	18.45	1500		
6.	00.10	17.20	1600		
	02.00	16.00	1700		
	03.50	13.45	1800		
	05.25	12.15	1900		
	07.10	10.30	2000		
6.	08.30	6.10.00	2031 ~~2100~~		
			2200		
			2300		
			2400		

2—571

Molokini Islet, N 71° E, true 54 5/10'

		2500		
		2600	H 6 #1368	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4600	2576	3500		
2031	170	3600		
2569	2031	3700		
	2201.	3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Arnkil-Hutchinson

P.L. 31.-

No. Hy 4123 Date 15 Apr. 02

Sirsbee Machine #1 Reel. Navy

Turns 1505 Cor. + 136 Depth 1641 fms.

Shot ~~or lead~~ 60 lbs.

Bottom Glob. Oz.

Bottom temperature 35°

No. of thermometer 98233. Cor. +0.1

Corrected temperature 35.1

Air 74 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
am. 7. 47.20	24.20	0		
48.25	23.15	100		
49.30	22.10	200		
50.30	21.05	300		
51.40	19.55	400		
52.35	18.35	500		
53.40	17.05	600		
54.45	15.45	700		
55.50	14.40	800		
57 =	13.30	900		
58.10	12.20	1000		
59.15	11.15	1100		
8:00.30	10.05	1200		
01.45	08.50	1300		
03 =	07.35	1400		
04.20	8.06.05	1500		
04.30	8.06 =	1505		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, N 71°30' E. true
50'10'
Ito #1368

OK
HOD.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
4600	246	3800		
1505	110	3900		
3095	136	4000		
	1505			
	1641 fms.			

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Hutchinson Harvey Pat Log. 36

No. D 3879 Date Apr 15 '02.

Tigsber Machine #1 Reel. Navy

Turns 840 Cor. + 83 Depth 923 fms

Shot ~~or lead~~ 60 lbs

Bottom Glob. Oz. R

Bottom temperature 37°

No. of thermometer 98233 Cor. +0.1

Corrected temperature 37½

Air 76 Surface 77 Drift N 50° E 1¼ 10 all [illegible]

Trawl or ~~dredge~~ 5½' Blake, Ships Dredge

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
9-27.30	47=	0	9-56.50	1.20.15
28.40	45.50	100	10-00.10	17.15
29.30	44.45	200	04=	13.15
30.20	43.40	300	07.35	08:10
31.15	42.35	400	11.05	03.10
32.10	41.35	500	14.15	1.00.00
33.15	40.25	600	19.10	57.30
34.10	39.15	700	21.35	53.10
35.10	38=	800	24=	49.30
35.40	37.20	840 ~~900~~	27.30	45.15
		1000	30.50	40.30
		1100	34=	35.50
		1200	37.20	29.00
		1300	41.25	23.20
		1400	45.15	17.30
		1500	48.50	10:10
		1600	52.60	12:01.15
		1700	58=	44.30
		1800	11-02.20	11-26.10
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lost 5½' Blake trawl and most of the net saved dredge.

2—571

Molokini Islet, N 75° E. true, 42 6/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Ok H.O.G. in

HO #1368

Catch in dredge — trawl lost: 1/2 peck foraminiferal rock; 2 kinds sponges; ophiuran; urchins; 2 kinds gorgonian; branched coral.

4600
840
3760

246
163
83
840
923

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
* 800				
900				
1000				

Cut out bad places in dredge cable at 1830 fms & at 350 fms and spliced it again — cut out about 6 fms all together —

Set Recorders watch & heat 4 min at noon.

REMARKS:

at 11^10 veered to 1825 fms, under 3,500 strain. Dredge rope fouled on Bath Deck, several kinks in wire at 1830 fms

Bad strand at 350 fms

Stanley

507

No. 4124 Sfy Date 15th Apr. 1902

Sigsbee Machine. 1 Reel. Nooy

Turns 986 Cor. + 95 Depth 1081 pms

Shot ~~or lead~~ 36 #

Bottom Glob 36.2 Oz

Bottom temperature

No. of thermometer 98233 Cor. +0.1

Corrected temperature 36.3

Air 81 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.25.50	1.51.10	0		
26.50	50.05	100		
27.40	49.00	200		
28.40	48.00	300		
29.40	46.50	400		
30.50	45.45	500		
32.05	44.35	600		
33.25	43.35	700		
34.50	42.30	800		
36.15	41.25	900		
1.37.40	1.40.10	986		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, H 75°30' E. true 41 4/10'

OK
HCB

HO #1368

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4600	246	3700		
986	151	3800		
3614	95	3900		
	986	4000		
	1081			

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507

Stailey C. L. 41.

No. 4125 Sty. Date 15th Apr. 1902

Sigsbee Machine 1 Reel. Navy

Turns 605 Cor. + 60 Depth 665 fms

Shot ~~or lead~~ 35

Bottom 565.03

Bottom temperature 38.9

No. of thermometer 98233 Cor. +0.1

Corrected temperature 39.0

Air 81 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2:42.30	2:57.50	0		
43.30	56.40	100		
44.30	55.35	200		
45.30	54.30	300		
46.30	53.15	400		
47.30	52.05	500		
48.45	51.00	600		
2.48.50	2:50.50	605		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, N 76° 45' E. true 37 6/10'

		2500		
		2600	N 8 E 1268	
		2700		
		2800		
		2900		
		3000		
		3100		
4600	246	3200		
605	186	3300		
3995	60	3400		
	605	3500		
	665	3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

607

Arnkil - P. 46. -

No. 4176 Sfy Date 15th Apr 1902

Sigsbee Machine. 1 Reel. Navy

Turns 332 Cor. + 33 Depth 365 fms

Shot ~~or lead~~ 35 lbs.

Bottom Glob. Oz.

Bottom temperature 42.

No. of thermometer 98233 Cor. 0

Corrected temperature 42

Air 83 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.44.15	3.52.55	0		
45.10	51.45	100		
46.10	50.35	200		
47.10	49.25	300		
3.47.30	3.49.00	332 ~~400~~		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, N 77° E. true 33 7/10'

		2500		
		2600	48#1368	
OK H.C.J.		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
4600	2x6	3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507

Arrupit

P.L. = 51.

No. Hy. 4127 Date 15 Apr. '02.

Sigsbee Machine. #1. Reel. Navy

Turns 382 Cor. + 38 Depth 420 fms

Shot ~~or lead~~ 35 Lbs Glob. Oz.

Bottom a fine silt with many Glob. and a few diatoms

Bottom temperature 41°

No. of thermometer 98233. Cor. 0

Corrected temperature 41°

Air 83 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.m. DOWN.	UP.		DOWN.	UP.
4. 46.35	4. 56.10	0		
47.30	55.00	100		
48.25	53.40	200		
49.25	52.35	300		
4. 50.30	4. 51.45	382 ~~400~~		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, N 71° 30' E. true 29 2/10'

		2500		
		2600	H O # 1368	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
H.O.!
3

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Arr. 2:1

P.L. = 56.-

No. Hy 4128 Date 15 Apr. '02.

Sirsbec Machine. #1 Reel. Navy

Turns 348 Cor. + 35 Depth 383 fms.

Shot ~~or lead~~ 35 Lbs.

Bottom Glob. Oz.

Bottom temperature 42

No. of thermometer 98233. Cor. 0

Corrected temperature 42

Air 80 Surface 77 Drift

Trawl or dredge

P.m. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5. 49.10	5. 57.30	0		
50.10	56.25	100		
51.05	55.20	200		
52.15	54.15	300		
5. 53.00	5. 53.45	348 ~~400~~		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, N 68° E. true 25 6/10'

		2500		
		2600	[illegible]	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
H. C. F.
in

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

P.S. = 61.

No. Hy. 4129 Date 15 Apr. '02.

Sitzbee Machine. #1 Reel. Navy

Turns 207 Cor. + 21 Depth 228 fms

Shot ~~or lead~~ 35 Lbs.

Bottom Glob Oz.

Bottom temperature 48.

No. of thermometer 98233. Cor. 0

Corrected temperature 48 -

Air 78 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.45.00	6.51.30	0		
46.15	49.50	100		
47.25	48.35	200		
6.47.30	6.48.30	~~300~~ 207		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet, N 64°30' E. true 20 8/10'

OK
H.O.F.

		2500		
		2600	HO #1368	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

807.

Arnkil — P.L. =

No. *Date* 1 — 02.

Sigsbee *Machine.* *Reel.* Navy

Turns *Cor.* + *Depth*

Shot ~~*or lead*~~ 35 Lbs.

Bottom

Bottom temperature

No. of thermometer 98233. *Cor.*

Corrected temperature

Air 78 *Surface* 77 *Drift*

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson

No. D 3880 Date Apr 15-'02

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 76 Surface 76 Drift

Approx N 20° E 1° mile

Trawl or dredge Two surface nets A and

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Surface Nets on at				8.35 P
"	"	100	"	8.50 P.
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Molokini Islet
79° E. true 15 2/10 miles

		2500		
		2600	AHO #1368	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
m		3400		
		3500		
		3600		
)15 m		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Clear and pleasant,			
50	with light airs			
100	from N. E.			
200	Sea calm.			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Catch: Much sphaerozoum; many siphonophore bells; many ctenophores; 1 phyllosoma; very few stomatoda; 2 blue shrimps; stomatopod; transparent shrimp; 2 young fishes.

Stanley

No. 3881 D Date 16th Apr 1902

Tanner Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift none

Trawl or dredge Drage seine & dynamite.

Party ashore at Napili Bay Maui Id

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.00	11-30	0		
Party ashore		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2-301

swl kinds gastropods; limpets; gephyrean worm; hermit crabs.

Napili Harbor, Maui Co.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
496	12	3700		
131	7	3800		
365	5	3900		
	131			
	136	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Cut out two pieces			
100	in dredging cable			
200	at 1800 fms. and			
300	spliced it again.			
400	Cut out ~~F~~ 3 fms.			
500				
600	Also cut off 400 fms			
700				
800	from working end.			
900				
1000	Caught nothing with drag seine.			

REMARKS:

Very few fish obtained by explosion of dynamite. Cu SO_4 in pools more effective – precipitate very annoying.

Fishes: petroskirtes, gobius, teuthis, 2 sps. kuhlia, chamogobius, muraena, holocentrum, pomacentrus, labroid.

Holothurians, 2 sps. urchins; alpheus, grapsus + 2 other kinds small crabs;

Stanley P. L. 93.8

No. 3882 D Date 16 Apr 1902

Tanner Machine. — Reel.

Turns 131 Cor. + 5 Depth 136 fms

~~Shot or lead~~ 26 #

Bottom Gc. R ~~[illegible]~~ S.

Bottom temperature 63.5

No. of thermometer 98233 Cor. 0

Corrected temperature 63.5

Air 79 Surface 76 Drift N47°E. 1' all, sea

Trawl or dredge 6 Chain Tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.13.30	12.19.05	0	12.26.30	12.57.00
14.30	16.50	100	30.00	48.50
14.50	16.20	131 200	33.30	45.30
		300	37.00	40.50
		322		39.40
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sounding committed after this haul.

Tangles caught — 2 kinds gorgonians; 2 kinds of corals; dead stems of antipatharian; starfish; sea urchins; antedon.

2-571

Mokuhooniki Rk. Molokai Channel
N 30° W. true 3 1/10'

OK
H C.S.

		2500		
		2600	No #1368.	
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Heavy jerks indicated rough bottom, and tangles found minus one chain of rope yarns

Chain tangles consist of usual Tanner tangle frame, with 3 lengths of 1/4" black iron chain, 6 feet long, seized to each arm - or 6 altogether.

REMARKS:

Through each of the first 20 links, and every other link to the upper end of the chain, or 40 links, all told to each length, are roon 12 manila yarns, which, doubled, hang 24 yarns each 4 feet long to each bunch.

507.

Stanley

P. L. 99.5

No. 3883 D Date 16th Apr 1902

Sigsbee Machine 1 Reel. Navy

Turns 252 Cor. + 25 Depth 277 fms

Shot ~~or lead~~ 35

Bottom Glob. Oz.

Bottom temperature 45.2

No. of thermometer 98233 Cor. 0

Corrected temperature 45.2 (N36° E.

Air 77 Surface 76 Drift 1 6/10 all tow

Trawl ~~or dredge~~ 9 ft Tanner.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Gm. DOWN.	UP.		Pm DOWN.	UP.
2:01.30	2.08.15	0	2:19.30	3.44.15
02.25	07.10	100	23.15	38.40
03.25	06.10	200	27.00	32.30
04.00	05:30	252 ~~300~~	31.10	28.30
		400	35.30	25.00
		500	39.30	20:30
		600	44.00	3:15.00
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Pt. Molokai Channel

S 80° 30' W true 7 8/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
4600	246	3200		
252	221	3300		
4348	25	3400		
	252	3500		
	277	3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Caught:			
200	Scorpaena semigera; malthopsis			
300	spinigera; promyllantor alcocki;			
400	hymenocephalus antraens; gephyrean			
500	worm; many holothurians of 2 sps;			
600	3 sps. starfish; 4 sps sea urchins;			
700	tectabranch; dentalia; sev sps -			
800	gastropods; sev sps. lamellibranchs;			
900	many prawns of 5 sps; several			
1000	munidia; worms - several in tubes;			

few crabs; gorgonians; pennatulids;

REMARKS:

1/2 pick silicious sponge spicules; few ophiuroids.

507

Arnkil

No. Dr. 3884. Date 16th Apr 1902

Sigsbee Machine. Reel. Nooy

Turns 258 Cor. + 26 Depth 284 fms

Shot ~~or lead~~ 35 #

Bottom M. Glob.

Bottom temperature 44.

No. of thermometer 98233 Cor. 0

Corrected temperature 44-

Air 76. Surface 75. Drift {N 68° E. 2' [illegible]

Trawl ~~or dredge~~ 9 ft Tanner

SOUNDING WIRE. P.m. DOWN.	UP.	TURNS.	P.m. DREDGE ROPE. DOWN.	UP.
3.50.15	3.58.00	0	4.07.50	5.25.20
51.25	56.45	100	12.05	21.45
52.25	55.40	200	15.30	18.15
3.53.10	3.55.00	~~300~~ 258	20.10	14.25
		~~400~~ 415	25.30	09.15
		500	4.32.30	04.45
		~~600~~ 550	42.20	5.02.30
		700		
Also marks end		800		
of		900		
Dr. 3883.		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk, Molokai Chanl

375° N. true 9 2/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
4600	246	3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

HB #1368

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Catch =

REMARKS:

3 sps macrurus; scorpaena semigera; pelecanichthys crumenalis; many phormosoma; 2 sps. urchins; 2 sps. starfish; several kinds prawns and other macrurans; 1 maioid crab; sev'l holothurians; few ophiurans of 2 sps; pennatulid.

507.

Grupil

No. Hy. 4130. Date 16 Apr. '02.

Swabee Machine. #1 Reel. Navy

Turns 264 Cor. + 26 Depth 290 fms

Shot or lead 35 Lbs.

Bottom Glob. M.

Bottom temperature 44.7

No. of thermometer 98233. Cor. 0

Corrected temperature 44.7

Air 76 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5. 29.35	5. 37.00	0		
30.35	35.55	100		
31.40	34.45	200		
5. 32.35	5. 34.05	264 ~~300~~		
		400		
		500		
		600		
Also marks end		700		
of		800		
Dr. 3884.		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokahooniki Rk. Molokai Chanel
S 75° 30' W. true 11 3/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4600	246	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Hutchinson Harley Pat Log 19.2

No. 3885 Dr Date Apr 17, 1902

Lowered Machine. #1 Reel. —

Turns 131 Cor. + 5 Depth 136' fms

Shot ~~or lead~~ 26 lbs.

Bottom S. P.

Bottom temperature 64.8

No. of thermometer 98233. Cor. 0

Corrected temperature 64.8

Air 75 Surface 76 Drift N 58° E 1 2/10' all told

~~Trawl or dredge~~ 2 Chain Swab 1 Hung Swab

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7:45.45	7.50.15	0	7:55.00	8.33.00
46.30	48.20	100	59:30	28.20
46.50	47.30	131 ~~200~~	8.03.00	8.24.10
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Mokuhooniki Rk. Molokai Chan'l
N 270 W. true 3/3/101

OK
HO?

		2500		
		2600		
		2700	HO #1366	
		2800		
		2900		
		3000		
496	12	3100		
131	7	3200		
365	5	3300		
	131	3400		
	136	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Tangles consisted of two length of the chain swabs employed on the 16th inst seized to the large eye on 120# shot, doubled and one short hemp swab.

REMARKS:

Catch =
Gorgonians; 2 sps starfish; 3 kinds hydroids; 2 sps urchins; stony corals; chaumax.

Stavey

507.

No. 3886 D Date 17th Apr 1902

Sanner Machine. Reel.

Turns 142 Cor. + C Depth 148 fms

~~Shot or lead~~ 26 #

Bottom R. P.

Bottom temperature 65°

No. of thermometer 98233 Cor. 0

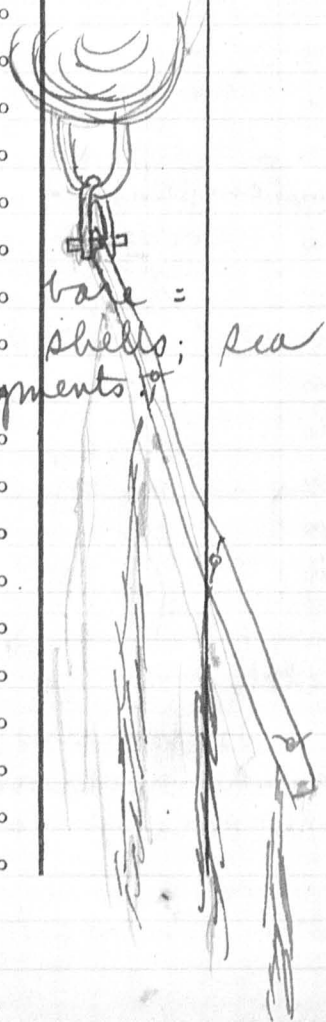
Corrected temperature 65°

Air 75 Surface 76 Drift 1 8/10 [illegible]

~~Trawl or dredge~~ 3 Chain tangles.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8:36.00	8.40.00	0	8.41.30	9.23.30
36.50	38.00	100	46.00	19.20
37.20	37.30	142 ~~200~~	49.30	15.15
		250 ~~300~~	8.52.15	9.13.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

This station marks end of No 3886



Tangles nearly bare = Crab; few dead shells; sea urchin; coral fragments.

Surface net - "Little life" - Caught = larval squillae; large blue copepods; few other entomostraca; 2 sp. very small fishes; blue shrimp.

2—571

Mokuhooniki Rk, Molokai Channel
N 47° W. true 34/10'

		2500		
		2600		
OK		2700	AF #1368	
N.C.S.		2800		
		2900		
		3000		
496	12	3100		
142	6	3200		
354	6	3300		
	142	3400		
	148	3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Clear & cloudy.			Gentle
100	breeze E.N.E.			
200	Gentle swell.			
300				
400				
500	Took one arm of tangle bar,			
600	with 3 lengths chain swabs,			
700	+ shackled through upper bolt			
800	hole to 250# shot.			
900				
1000				

REMARKS:

Surface net over at 8.49. 13
" " in " 9:02
" " over " 9.08 10
" " in " 9.18

23

No. *Date*

Machine. *Reel.*

Turns *Cor. +* *Depth*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *Cor.*

Corrected temperature

Air *Surface* *Drift*

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

3 - 60
17 - 35

Total for quarter
3 - 60
19 - 35