

#3. California Coast.

D: 4337 to D: 4355.

Hy.

Mar. 10th to 14th, 1904.

3.

Dr. 4337 - Dr. 4355.

1071
 11/11/11

No. *Dr. 4337*. Date *10 Mar.*

Sigsbee Machine. Reel.

Turns *566* Cor. + *51* Depth *617 fms.*

Shot or lead

Bottom *gn. fl.*

Bottom temperature

No. of thermometer

Corrected temperature

Air *60* Surface *59* Drift *1 5/10'*

Trawl or dredge *8' Tur. Sinker, 2 shks, of Red Bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.06.00</i>	<i>11.18.55</i>	0	<i>10.55.00</i>	<i>12-20.30</i>
<i>07.10</i>	<i>17.55</i>	100	<i>59.00</i>	<i>.16.00</i>
<i>08.05</i>	<i>17.00</i>	200	<i>11.02.10</i>	<i>13.00</i>
<i>09.00</i>	<i>16.00</i>	300	<i>05.30</i>	<i>09.30</i>
<i>10.00</i>	<i>15.00</i>	400		<i>12-06.15</i>
<i>11.00</i>	<i>14.00</i>	500		
<i>11.12.00</i>	<i>11.12.00</i>	<i>566</i>		
	<i>= 617 fms.</i>	<i>600</i>		
		700		
		800	<i>20.50</i>	
		<i>850</i>	<i>11.22.15</i>	<i>11.47.00</i>
		900		
		1000	<i>= 25 min</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
<i>12.05</i>	<i>12.20</i>	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Surf. Net:

11.15 - 11.59
= 44 min

Townsend Closing:

up down to 150 fms, raised to 50 fms
12.05 12.20 *Merrill* *Closed at 100 fms*
messenger took
20 seconds to descend

Ahead at 12.22

Lag over

Reading 32.8

Off San Diego -
Pt Loma Light, N 38° 30' E, 15 ⁶/₁₀'

OK
HCB
-2

	2500	
	2600	CS# 5100.
	2700	
	2800	
	2900	
	3000	
	3100	
Overcast; haze, c	3200	
Lt breeze from SSW	3300	
Bar. 30.01"	3400	
Therm. at 60°	3500	
Smooth sea, gentle swell	3600	
	3700	
No animal life in sight	3800	
Gulls following ship	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Time coming up 33 sec from 850 fath depth			
200	at the rate of 3 in 53 sec for 100 fath			
300				
400	Descending time			
500	3 in 10 1/2 sec for 100 fath			
600				
700				
800				
900				
1000				

REMARKS:

5071
 Arrived

No. — Date 10 Mar. 04

Sigsbee Machine. Reel.

Turns 624 Cor. + 56 Depth 680 fms.

Shot or lead 36 lb

Bottom gn. M.

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.37.15	11.50.45	0		
38.10	49.50	100		
39.00	49.05	200		
39.55	48.10	300		
40.50	47.10	400		
41.50	46.05	500		
42.55	45.55	600		
11.42.30	11.45.30	624 700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500
624	149	2600
3686	56	2700
	624	2800
	680	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
	624	4000
	J.6	

680
SERIAL TEMPERATURES.

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

REMARKS:

507

No. *F* 4337

Date 10 Mar. 04.

Sigsbee Machine. Reel.

Turns 623 Cor. + 56 Depth 679 fms

Shot or lead 36 lb

Bottom gn M

Bottom temperature 38.5°

No. of thermometer 98242 Cor.

Corrected temperature

Air 60° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.56.00	12-12.00	0		
7.50	10.30	100		
8.40	09.20	200		
9.30	08.20	300		
15	07.10	400		
12m 00.10	06.00	500		
1.20		600		
12 01.30	12.04.30	700		
623 turns		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500
623	149	2600
2687	56	2700
500	623	2800
	679	2900
		3000
		3100
Bar. 30.01"		3200
Therm at 60'		3300
Wind S S E		3400
force 1		3500
Large waves S		3600
from S S W		3700
Clear out, cloudy		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:

not
H.W.R.

No.

Date Mar 10 '04

Sigsbee

Machine.

Reel.

Turns 58 Cor. + 6

Depth 64 fms

Shot or lead 36 lbs

Bottom Rky

Bottom temperature

No. of thermometer Log 42.8 at 1.36 pm
not used Cor.

Corrected temperature

Air 61°

Surface 59°

Drift

Trawl or dredge 8' Trl

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 46.10	1. 48.00	0		
35	1. 46.40	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
HOB
/

Bar 30.00"
Therm at 61°
Surface 59°
Wind South, force 2
Cloudy, not pleasant

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:

26 W.R.

No. Dr 4338 Date Mar. 10 '04

Sigsbee Machine. Reel.

Turns 153 Cor. + 15 Depth 168 fms.

Shot or lead 36 lbs

Bottom *fuzzy S, fuzzy S, fuzzy S*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air 60° Surface 59 Drift } *S 73° W*
9.10'

Trawl or dredge *8' Trl with 2 mms* *shots & mud bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 55 00	1. 58.20	0	2. 06 30	2. 47.40
57. 00	1. 57. 50	100	2. 09. 00	
		150	2 11. 20	
		200	2 14. 30	
		250	2 18 30	
		300	2. 23. 00	35 30
		350		
		400		
		450		
		500		
		550		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

75 turns + 7 = 82

2.03 50 *fuzzy S*

2.04. 40 2. 04. 45

120 + 12 = 132 fms

2. 12 00 16

13 10 13. 15

Fourth

2. 19. 30 2 23. 00

2. 21. 40 2. 21. 45

fuzzy S & R

153 + 15 = 168 fms

Net came up
 one side of mud bag
 adrift, looking carried away
 small haul

Time 12 fms
 Paid out at
 intervals, while
 sounding 4 times
 deepening every time

Surface Tow Net
 over 2. 28. 00
 in at 2. 40. 00

At 2. 49 sent
 Tows and
 Closing it
 down to 125 fms

resid to 50
 in at 3. 02
 messenger
 down in 2 seconds

At Loma Light, N 33° E., 10⁵/₁₀'

OK
H.C.

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

Barometer 29.98

Therm at 60'

S.S.E force 2-3

Cloudy, overcast, threatening

Sea smooth

Drift from S.W.

SERIAL TEMPERATURES.

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

REMARKS:

No. _____

Date

Mar 10th 04

Sigsbee Machine. Reel.

Turns 205 Cor. + 20 Depth 225 fms

~~Shot or lead~~ 36 lbs

Bottom fm gy S

Bottom temperature

No. of thermometer not used Cor.

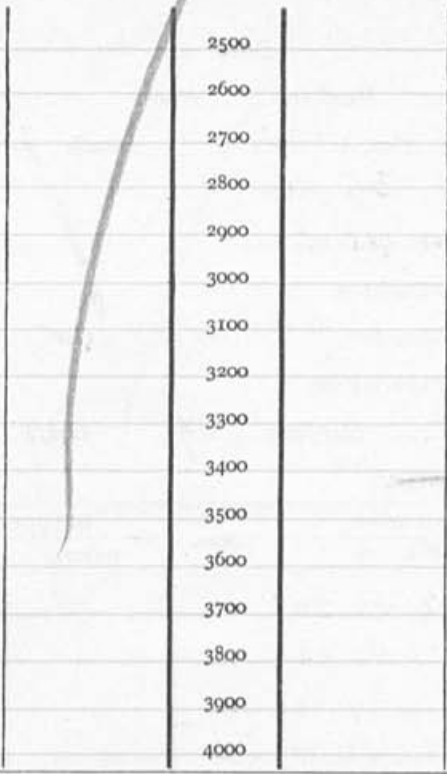
Corrected temperature

Air 60° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 32.30	2. 35.30	0		
2. 33.30	2. 33.35	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
J. J. J.
/



SERIAL TEMPERATURES.

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

REMARKS:

507.
Sigsbee

No. *I 4338* Date *Mar. 10 1904*

Sigsbee Machine. Reel.

Turns *231* Cor. + *23* Depth *254 fms*

Shot or lead *36 lbs*

Bottom *gn M*

Bottom temperature *44°*

No. of thermometer *98242* Cor.

Corrected temperature

Air *60°* Surface *59* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	<i>Ph</i> UP.		DOWN.	UP.
<i>2 38.00</i>	<i>2. 46. 50</i>	0		
<i>38.45</i>	<i>45.00</i>	100		
<i>39.30</i>	<i>44.00</i>	200		
<i>40.00</i>	<i>2. 43. 30</i>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500	
231	182	2600	
4079	23	2700	
<i>OK</i>	231	2800	
<i>J.C.B.</i>	254	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

Bar 29.97"
 Therm alt 60°
 S.S. buoy, force 2
 Cloudy overcast
 Sea smooth
 Sudd mod from S.W.

SERIAL TEMPERATURES.

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

REMARKS:

507
H.W.R.

No. Dr 4339

Date Mar 10 '04

Sigsbee Machine. Reel.

Turns 219 Cor. + 22

Depth 241 fms

Shot or lead 36 lbs

Bottom gn. M ~~R~~

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 60° Surface 59'

Drift

N 65° W
1' 10"

Trawl or dredge 8' T.C. Rem. Shot and Mud Bag

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.04.00	3 10.30	0	2.59.00	4.05.55
3.05.00	3 09.20	100	3 03.15	-
3.06.20	3 08.20	200	3 06.40	-
3 07.	3.07.20	300	3.09.50	-
		bottom 2.	3.13.40	51.00
		400	3.17.30	3.46.00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Surface Tow Net
over at 3.05.8
in at 3.48.00

Tow Net Closed
Net at 3.50
sent down to 150 fms
raised to 50 fms
messenger sent
down to close it
at 3.55

Time 29 min

At Loma Light, N 36° E., 11 2/10'

4310	205	2500
219	183	2600
4091	22	2700
0	219	2800
Bar 29.	97"	2900
Thiatt	60°	3000
wind S.S.E, force 2-3		3100
overcast & threatening		3200
Sea smooth		3300
Swirl from S.E. & W.		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:

20. U.R.

No. _____ Date *Mar 10, 04*
Sigsbee Machine. Reel. _____
 Turns *261* Cor. + *26* Depth *287 fms*
 Shot or lead *36 lbs*
 Bottom *gn m*
 Bottom temperature _____
 No. of thermometer *not used* Cor. _____
 Corrected temperature _____
 Air *60°* Surface *59°* Drift _____
 Trawl or dredge _____

SOUNDING WIRE. <i>pm</i>		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3 18 30</i>	<i>3.24 10</i>	0		
<i>19.30</i>	<i>23.20</i>	100		
<i>20.30</i>	<i>22.30</i>	200		
<i>21.20</i>	<i>3.21.40</i>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500	
261	179	2600	
4049	26	2700	
OK JTC	261	2800	
	287	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
JWSR

No.

Date *Mar. 10 - 04*

Sigsbee Machine. Reel.

Turns *295* Cor. + *30*

Depth *325* fms

Shot or lead *36* lbs

Bottom *R*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *60°* Surface *59°* Drift

Trawl or dredge

See

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	<i>fms</i> UP.		DOWN.	UP.
<i>3.31.00</i>	<i>3.35.45</i>	0		
<i>32.00</i>	<i>3.34.00</i>	100		
<i>32.50</i>	<i>3.33.00</i>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500
295	175	2600
4015	30	2700
OK	295	2800
NOT	325	2900
Bar 29.93" at 3:40 pm		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:

Recd
Apr 5/1

No. *E 4339* Date *Mar 10th 04*

Sigsbee Machine. Reel.

Turns *336* Cor. + *33* Depth *369 fms*

~~Shot~~ or lead *36 lbs*

Bottom *S. M.*

Bottom temperature *41.5°*

No. of thermometer *98242* Cor.

Corrected temperature

Air *60°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.52.30</i>	<i>4.02.55</i>	0		
<i>53.20</i>	<i>01.50</i>	100		
<i>4.00</i>	<i>4.00.45</i>	200		
<i>5.00</i>	<i>59.20</i>	300		
<i>3.55.30</i>	<i>3.58.30</i>	<i>336</i>		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500
336	172	2600
3974	33	2700
JK	336	2800
1700	369	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:

007.

No. *A-4340*. Date *11 Mar. 1904*

Tanner Machine. Reel.

Turns *45* Cor. + *1* Depth *46 fms*

Shot or lead *26 lb*

Bottom *fine gy S. M. Sp. G.*

Bottom temperature

No. of thermometer — Cor.

Corrected temperature —

Air *56* Surface *59* Drift *(S 7 10 W) 1 6/10'*

Trawl or dredge *8' Fur. Sinker, 2 sub. shot, Mud Bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.37.50</i>	<i>39.40</i>	0	<i>9.41.30</i>	<i>10.22.</i>
<i>38.20</i>	<i>39.00</i>	100	<i>46.00</i>	
		150	<i>- -</i>	<i>10.45.10</i>
		200		
		300	<i>= 29 min.</i>	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Vertical Net
50 fms down,
10.09 - 10.18
= 9 min.

Off Coronados Islands
 South Pt, South Coronado Id, N 87° E, 1 8/10'

OK
 STOP

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

Fair; cirrus clouds, cool.
 Lt. to g. breeze from N.N.W.
 Bar. 30.12
 Therm. at 57
 Moderate wind.
 Numerous Puffins

SERIAL TEMPERATURES.

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

REMARKS:

No. —

Date

11 Mar 04

Tanner Machine.

Reel.

Turns 51 Cor. + 1

Depth 52 fms.

Shot or lead 26 lb

Bottom fine gy. S.

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air 56 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.46.	9.48.20	0		
9.47	9.47.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
1108
1/2

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:

No. _____

Date

11 Mar. 04

Tanner Machine. Reel.

Turns 57 Cor. + 1 Depth 58 fms

Shot or lead 26 lb

Bottom fine s.

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 56 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.58.40	9.55.45	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		

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

OK
1000
3

SERIAL TEMPERATURES.

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

REMARKS:

Amfil

No. _____

Date *11 Mar 04*

Tanner Machine. Reel.

Turns *63* Cor. + *1* Depth *64 fms*

Shot or lead *26 lb*

Bottom *W. Bottom; fine S.*

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air *56* Surface *59* Drift _____

Trawl or dredge _____

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

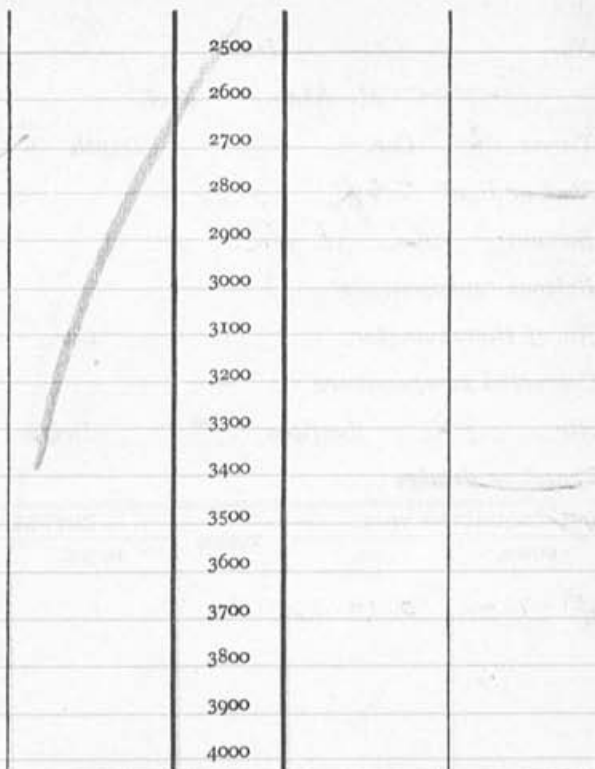
DOWN.

UP.

9.59.30 *10.02.10*

- 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

Handwritten notes:
 100
 200
 2



SERIAL TEMPERATURES.

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

REMARKS:

No.

Date

11 Mar 04

Tanner Machine.

Reel.

Turns 85 Cor. +

2

Depth 87 fms.

Shot or lead 26 lb

Bottom blk. Sp. S.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 56

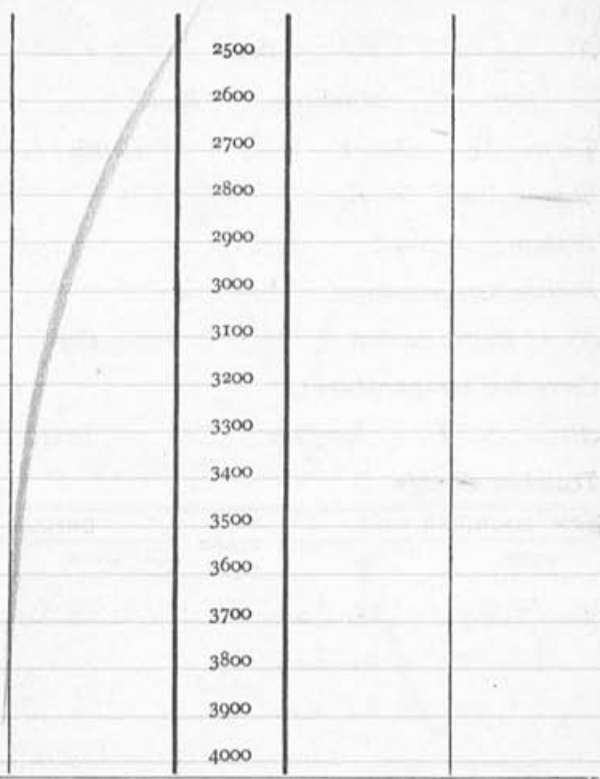
Surface 57

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.07.00	10.10.30	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		

OK
M.C.B.
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.

No.

4341

Date

11 Mar. 04

Tanner Machine.

Reel.

Turns 185 Cor. + 3

Depth 188 fms.

Shot or lead 26 lb

Bottom L.S.

Bottom temperature 46°

No. of thermometer 98242 Cor.

Corrected temperature

(5630 W)

Air 57 Surface 59 Drift 1 1/10'

Trawl or dredge 8' Tm with Mud bag, as before

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.19.30	28.30	0	10.28.30	11.30.00
21.10	26.30	100		26.00
10.22.00	0.25.00	185	36.15	22.15
		200	39.15	18.20
		300		
		400	10.42.50	12.15
		500	10.50	11.07.40
		600	= 24 min	
		700		
		800	Fair haul.	
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

~~Also made use of No. 1341~~

Surf Net:
10.43 - 10.59
= 16 min

~~11.00 - 11.07
= 7 min.~~

~~Lead vertical
dredge~~

S. Pt. S. Coronado I., N 79° E., 3 3/10'

OK
 500
 2

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

Fair; haze, cool
 gentle breeze from
 Bar. 30.92
 Therm. at. 58
 gentle swell
 numerous gulls

N. N. W.

SERIAL TEMPERATURES.

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

REMARKS:

Amkel

No. _____ Date *11 Mar. 04*

Sigsbee Machine. Reel.

Turns *222* Cor. + *23* Depth ~~*205 fms*~~

Shot or lead *36 lb* *266* "

Bottom *gy, S. R. blk Sp.* *288* "

Bottom temperature *42°* ~~*299*~~ "

No. of thermometer *9824* Cor. *-323* "

Corrected temperature

Air _____ Surface _____ Drift _____

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.42.00</i>	<i>10.48.30</i>	0		
<i>43.00</i>	<i>47.15</i>	100	<i>2nd Sigs.</i>	
<i>43.50</i>	<i>46.10</i>	200		
<i>10. —</i>	<i>10.46.00</i>	<i>242</i>		<i>266.</i>
		300		
<i>10.50.30</i>	<i>10.57.00</i>	400	<i>3rd Sigs. Net</i>	
<i>51.30</i>	<i>56.00</i>	500		
<i>52.30</i>	<i>55.00</i>	<i>2600</i>		
<i>10. —</i>	<i>10.54.10</i>	<i>288</i>	<i>fms</i>	
		700		
	<i>272 turns.</i>	800	<i>4th Sigs.</i>	
	<i>289 fms.</i>	900		
		1000	<i>5th and final</i>	
<i>11⁰⁵a</i>	<i>294 turns</i>	1100		
	<i>+ 29</i>	1200		
<i>11⁰⁷a</i>	<i>323 fms</i>	1300		
		1400		
		1500		
		1600		
		1700		
	<i>323 fms,</i>	1800		
	<i>42° bottom</i>	1900		
	<i>temperature</i>	2000		
		2100		
		2200		
		2300		
		2400		

Envs Dr. 4341

323 fms,
42° bottom
temperature

4310	205	2500	
232	182	2600	
4078	28	2700	
	282	2800	
OK JCOB 3	255	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:

No. *Dr 4342* Date *Mar. 11. 04*

Tanner Machine. Reel.

Turns *52* Cor. + *1*Depth *53* fmsShot or lead *26 lbs*Bottom *gy s*Bottom temperature ~~*25.1, 25.1, 25.1*~~

No. of thermometer

Cor.

Corrected temperature

Air *61°* Surface *60°* Drift *(S 81° W., 1/10')*Trawl or dredge *8' Tanner as before with mud bag*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11.58 ✓*53 fms**0**11.59**12.24.20**100**12.03.10**12.19.00**12.05**56 fms**200**Time 15.50 sec**12.06**56 fms**300**400**12.11**63 fms**500**600**700**800**no auxiliary**12.15**63 fms**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

S. Pt., S. Coronado Id., S 72° E, 2 1/10'

W. S. P.
1/2

Bar. 30.12"

Therm alt 61°

Wind N W, force 3

Mod. Sea from W. S. W.

Pleasant, cloudy. Hazy horizon

Gulls attending

No other nets used

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
H.W.R.

No. *E 4342* Date *Mar 11, 04*

Tanner Machine. Reel.

Turns *65* Cor. + *1* Depth *66 fms*

~~Shot~~ or lead *26 lbs*

Bottom *gy S, bk. Sp*

Bottom temperature *48.9°*

No. of thermometer *98242* Cor.

Corrected temperature

Air *61°* Surface *60°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	<i>plus</i> UP.		DOWN.	UP.
<i>12. 22. 00</i>	<i>12. 27. 15</i>	0		
<i>23. 00</i>	<i>12. 26. 00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*OK.
J.C.
2*

Bar. 30.12 "
Therm. at 61°
Wind N.W. force 3
Moderate sea from W. N.W.
Pleasant, cloudy, foggy horizon
no animal life in sight
but gulls following ship

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:

No. Dr 4343 Date Mar. 11. 1904

Tanner Machine. Reel.

Turns 54 Cor. + 1 Depth 55 fms

Shot or lead 26 lbs

Bottom fm gy S

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 61° Surface 58° Drift (S 85° W, 1 1/10')

Trawl or dredge 8' Tanner as before with Mudbag

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 33.00		0	1. 33.50	17-00
34.00	1. 34.05	100	1. 38.10	2. 14.00
		200	1. 50.50	
Second Soundy		125	1. 50.50	2. 12.30
1. 38	58 fms	300	Time 22 m	
		400		
1. 40.00	58 fms	500		
lt S		600		
		700		
		800	Surface not	
1. 42.00	58 fms	900	away at 1. 40.00	
lt gy S		1000	in at 2. 12.30	
		1100	Time 32 1/2 m	
1. 48.20	60 fms	1200	Large Vertical	
lt gy S		1300	average 2.14	
1. 53.00	61 fms	1400	in at 2.18	
gy S.		1500	down to 50 fms	
		1600		
2. 06.00	61 fm	1700		
gy S		1800	Plankton Net	
		1900	slightly torn,	
		2000	to be repaired	
		2100	before further use	
		2200		
		2300		
		2400		

S. Pt., S. Coronado I^o, S 60° E., 3 6/10'

~~all
100,
11.2~~

Bar. 30.13"
Therm. 61°
rest as at 4342

Paid out again at 1.50.50

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:

Plankton

No. *E 43 43* Date *Mar. 11. 04*

Tanner Machine. Reel.

Turns *153* Cor. + *2* Depth *155 fms*

Shot or lead *26 lbs*

Bottom *fygy S*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *60°* Surface *58°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	<i>Rm</i> UP.		DOWN.	UP.
<i>2. 13.50</i>	<i>2. 17.00</i>	0		
<i>2. 15.30</i>	<i>2. 15.35</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
1102
15

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:

H.W. P.

No. D 4344 Date Mar. 11. '04

Sigsbee Machine. Reel.

Turns 204 Cor. + 20 Depth 224 fm

Shot or lead 36 lbs

Bottom lost gear -

Bottom temperature

217 No. of thermometer used Cor.

Corrected temperature { N 79° W }
5 10'

Air 60° Surface 58° Drift

Trawl or dredge 8' Trawl as before with Mudding

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.28.00		0	2.25.00	3.33.00
29.00		100	28.00	3.29.30
30.00	2.30.40	200	31.00	3.26.30
wire carried away		300	34.00	
at 197 1/2 turns		400	38.00	3.05
to come in		450		2.54
Surf Trawl Net		500	2.41.00	2.52
over at		512		2.48.30
in at		600		
time out 18m.		700	Time 07 m	
		800	at 2.55 dredge	
		900	leading under	
		1000	ships bottom, stopped	
		1100	leaving in	
		1200	hoor in again 2.59	
		1300		
		1400	No catch	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

~~Trawl used Closing Net over at to haul up to 15m messenger down at hauled in at~~

Lost 217 fms off Sigsbee reel or 198 turns

End of days work

S. Pt., S. Coronado I., S 68° E, 5 3/10'

4310	205	2500
204	185	2600
4106	20	2700
1002	204	2800
1002	224	2900
Bar 30.11"		3000
Therm at 60		3100
Rest as preceding		3200
		3300
		3400
		3500
		3600
		3700
		3800
3.65 out at 3.10		3900
55 "	" 3.12	
stopped	" 3.14	4000
in again	" 3.15	

SERIAL TEMPERATURES.

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

REMARKS:

Water haul.
 Very heavy strains, but gear
 came up O.K. Mine probably
 jammed in rocks on bottom

Franklin
No. *D. 4345*

Date *Mar. 11, 04*

Tanner Machine. Reel.

Turns *24* Cor. + *1* Depth *25 fms*

Shot or lead *26 lb*

Bottom *gy. S.*

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature — *(57.7)° E.,*

Air *60* Surface *59* Drift *4/10'*

Trawl or dredge *8' Tnr. + Mud bar, as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.12.55</i>	<i>4.14.10</i>	0	<i>4.14.30</i>	<i>4.36.00</i>
		<i>50</i>	<i>4.18.00</i>	<i>4.33.40</i>
		100		
		200		<i>= 16 min.</i>
<i>Intermediate Sdys:</i>		300		
<i>4.20 - 25 fms.</i>		400		
<i>4.25 - 25 "</i>		500		
<i>4.30 - 25 "</i>		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St Loma Light, N 1° E, 12 4/10'

	2500	
	2600	
OK	2700	
NOB	2800	
NOB	2900	
Fair. seas.	3000	M.W.
to investigate	3100	
Gentle breeze from	3200	
Bar. 30.10	3300	
Therm. at 61	3400	
Gentle swell.	3500	
Numerous gulls.	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:

H. W. R.

No. *Dr 4346* Date *Mar 12, '04*

Tanner Machine. Reel.

Turns *45* Cor. + *1* Depth *46 fms*

Shot or lead *26 lbs*

Bottom *br M & gn*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *52°* Surface *57°* Drift *1 1/10'*

Trawl or dredge *8' Tanner with 2' m. Shot & mud bag*

(5670 ft)

SOUNDING WIRE		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
<i>8.01.00</i>	<i>8.04.00</i>	<i>0</i>	<i>8.02.00</i>	<i>8.36.00</i>
<i>02.00</i>	<i>8.02.10</i>	<i>100</i>	<i>8.07.00</i>	<i>8.30.45</i>
		<i>200</i>	<i>Time 23 m</i>	
		<i>300</i>		
		<i>400</i>	<i>quad haul</i>	
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

At Loma Light, N 35° E., 4 2/10'

	2500	
	2600	
Bar 30.22"	2700	
Therm at 52°	2800	
Wind E force 1	2900	
Fair & pleasant	3000	
Sea mod. from N S W 1/4 W,	3100	
Pat Log in 7.59, adg 60	3200	
	3300	
Gulls accompanying ship	3400	
No other life in sight	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.
H. W. R.

No. _____ Date *Mar. 12 '04*

Tanner _____ Machine. _____ Reel. _____

Turns *50* Cor. + *1* Depth *51 fms*

Shot or lead *26 lbs*

Bottom *fine gy S*

Bottom temperature _____

No. of thermometer *not used* Cor. _____

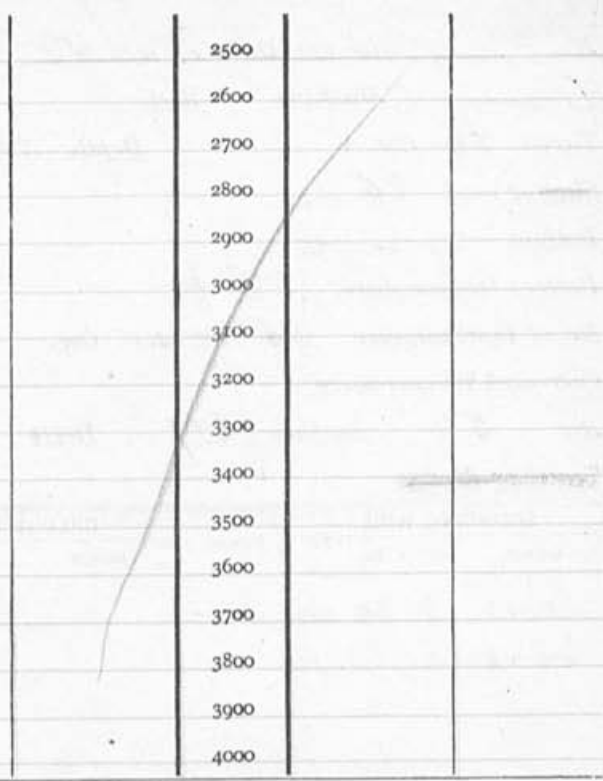
Corrected temperature _____

Air *52°* Surface *57°* Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8. 25.00</i>	<i>8. 29.00</i>	0		
<i>8. 27.00</i>	<i>8. 27.05</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
JTB
1/3



SERIAL TEMPERATURES.

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

REMARKS:

577
W.R.

No. *E 4346* Date *May. 12, '04*

Tanner Machine. Reel.

Turns *49* Cor. + *1* Depth *50 fms*

Shot or lead *26*

Bottom *fine gy S*

Bottom temperature *50.4*

No. of thermometer *98242* Cor.

Corrected temperature

Air *52°* Surface *57°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
<i>Am</i> DOWN.	<i>9m</i> UP.		DOWN.	UP.
<i>8, 32.00</i>	<i>8, 36.00</i>	0		
<i>8, 33.00</i>	<i>8, 33.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
1000
3

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:

2602

No. *Dr 4347* Date *Mar. 12 '04*

Tanner Machine. Reel.

Turns *54* Cor. + *1* Depth *55 fm*

Shot or lead *26 lbs*

Bottom *fine gy S*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature *(S 86° W)*

Air *52°* Surface *57°* Drift *8/10'*

Trawl or dredge *8' Tanner as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.44.00</i>	<i>8.53</i>	0	<i>8.42.00</i>	<i>9.16.00</i>
<i>8.45.00</i>	<i>8.50</i>	100	<i>8.47.05</i>	<i>9.12.00</i>
		200		
		300	<i>Time 25</i>	
		400		
		500	<i>9.12</i>	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Surface Trawl Net
over at 8.52
in at 9.12
Time out 20 min*

Pt Loma Light, N 43° E, 5 2/10'

~~1100~~
~~1100~~

Bar 30 "24"
remarks same
as at Dr 4336

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:

No.

Date

March 12, 04

Tanner

Machine.

Reel.

Turns 55 Cor. +

1

Depth

56 fms

Shot or lead

26 lbs

57 "

Bottom

fmy gy S + M

Bottom temperature

No. of thermometer

not used

Cor.

Corrected temperature

Air

52°

Surface

57°

Drift

~~Trawl or dredge~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.01.00 9.03.30

0

9.01.40 9.02.00

100

200

9.07.00 9.10.00

300

08.00 9.08.00

400

fmy, br sp gy S 57 fms

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

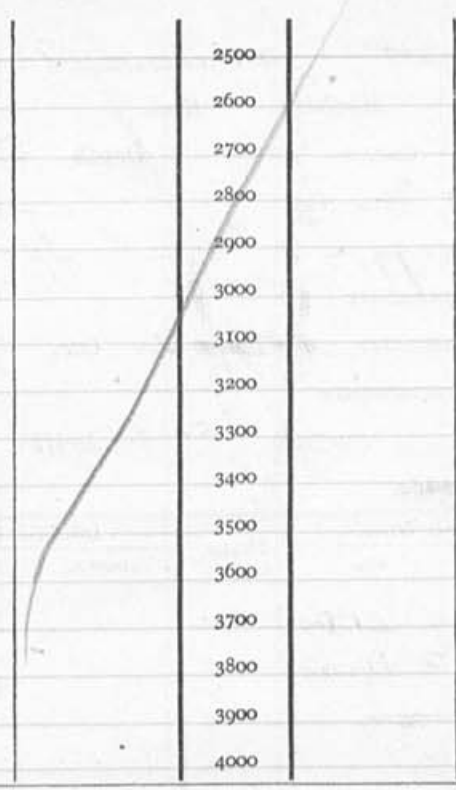
2100

2200

2300

2400

OK
8/20/23
/9



SERIAL TEMPERATURES.

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

REMARKS:

No. *I* 4347 Date *March 12, '04**Tanner* Machine. Reel.Turns *57* Cor. + *1* Depth *58 fms*Shot or lead *26 lbs*Bottom *fne gy S + M + br Sp*Bottom temperature *50.4°*No. of thermometer *98242* Cor.

Corrected temperature

Air *52°* Surface *57°* Drift~~Trawl or dredge~~

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9. 15.00</i>	<i>9. 21.00</i>	0		
<i>9. 16.00</i>	<i>9. 19.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Handwritten scribbles and initials in the top left corner.

	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:

No. *Dr 4348* Date *Mar 12, 04*

Tanner Machine. Reel.

Turns ~~58~~ Cor. + ~~1~~ Depth ~~59~~ fms

Shot or lead *26 lbs* 83

Bottom *fygy S, gn M 4 br Sp* 96 "

Bottom temperature 103 "

No. of thermometer 112 "

Corrected temperature

Air *52°* Surface *57°* Drift *(S 79° W) 1 1/10'*

Trawl or dredge *8' Tanner sifon with mud bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 23. 00	9. 27. 00	0	9. 22. 30	10. 16. 00
9. 24. 00	9. 24. 30	100	9. 27. 15	10. 12. 10
		125		
		200	9. 34. 30	
9. 32. 00	9. 35. 00	150	9. 37. 00	
33	33. 05	175	9. 44. 00	10. 09. 00
		400		
		500		<u>Time 35 min</u>
		600		
		700		
		800		Surface net
		900		over at 9. 39. 00
		1000		in at 10. 09
		1100		time out 1 1/2 hr
		1200		
		1300		<u>Small Haul</u>
		1400		
		1500		ahead at 10. 17. 00
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St Loma Light, N 49. E, 5 8/10'

OK
S. 1/4
Spec & other
remarks as
Dr 9, 4 3 4 7

Used to
2 different times

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:

2007
2007

No. *I 4348* Date *Mar. 17 04*

Sigsbee Machine. Reel.

Turns *103* Cor. + *10* Depth *113 fms*

Shot or lead *36 lbs*

Bottom *gn M & S*

Bottom temperature *48°*

No. of thermometer *98242* Cor.

Corrected temperature

Air *69°* Surface *58°* Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
<i>Am</i> DOWN.	<i>Am</i> UP.		DOWN.	UP.
<i>10.13.00</i>	<i>10.19.00</i>	0		
<i>10.14.00</i>	<i>10.17.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	185	2500	4112 262 3850
103	175	2600	
014009	10	2700	
103	103	2800	
113		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:

207
HARR

No. Dr 4349 Date Mar. 12 04

Tanner Machine. Reel.

Turns 74 Cor. + 1 Depth 75 fms

Shot or lead 26 lb 82 "

Bottom 84 "

Bottom temperature 90 "

No. of thermometer 103 "

Corrected temperature

Air 69° Surface 58° Drift (S 60° W) 1 2/10'

Trawl or dredge 8' Tanner as before with Mudbag

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.33.00	10.36.00	0	10.33.00	11-30-
10.34.00	10.34.05	100	10.37.15	11
		150	10.39.30	11
		200	10.41.45	11.24.00
10.38.00	10.40.00	175		time 45m
39.00		200		
817 + 1 = 82 fms		250		
94 S		300		
10.43.00	10.46.00	400		
10.44.00	10.44.10	500		
83 turns + 1 = 84 fms		600		
94 M 78		700		
10.49.00	10.52.00	800		
10.50.00	10.50.05	900		
88 + 2 = 90 fms		1000		
		1100		
10.55.30	10.59.30	1200		
6.30	56.45	1300		
101 + 2 = 103 fms		1400		
94 M		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pt. Loma Light, N.E., 65/10'

*OK
part etc
as preceding*

*Record to at
intervals*

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:

No. _____

Date *Mar. 12 Port*

Sigsbee Machine. Reel.

Turns *112* Cor. + *11* Depth *123 f*

Shot or lead *36 lbs* *134 "*

Bottom *gn M* *110 "*

Bottom temperature

No. of thermometer *not used* Cor.

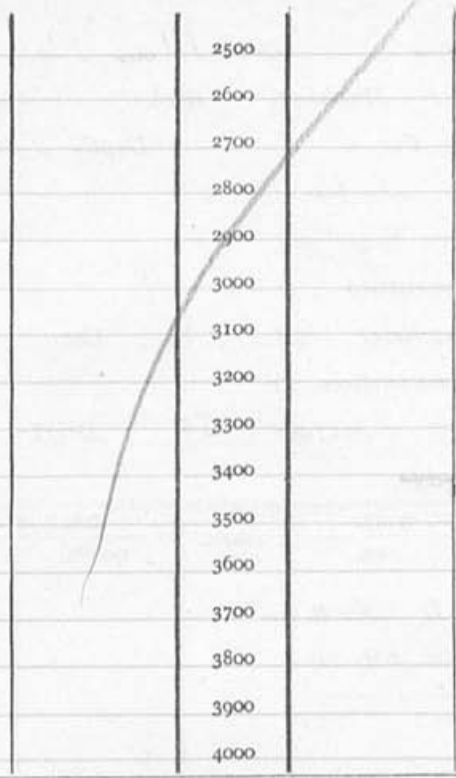
Corrected temperature

Air *68°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE. <i>am</i>		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.02.45	11.08.00	0		
3.45	11.04.30	100		
		200		
		300		
<i>11.10.30</i>	<i>11.14.00</i>	400		
<i>11.30</i>	<i>11.12.30</i>	500		
<i>122+12=134</i>	<i>gn M, ggs</i>	600		
		700		
		800		
<i>11.18</i>	<i>11.21.30</i>	900		
<i>19 10</i>	<i>11.20.00</i>	1000		
<i>100+10=110 f</i>		1100		
<i>gn M</i>		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
1/20/23



SERIAL TEMPERATURES.

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

REMARKS:

W. H. P. R.

No. *E 4349* Date *Mar. 12th 04*

Sigsbee Machine. Reel.

Turns *74* Cor. + *7* Depth *81 fms*

Shot or lead *36 lbs*

Bottom *crs gy S*

Bottom temperature *50°*

No. of thermometer *98242* Cor.

Corrected temperature

Air *68°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	<i>Am</i> UP.		DOWN.	UP.
<i>11.25.20</i>	<i>11.30.00</i>	0		
<i>11.26.00</i>	<i>11.29.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	185	2500
74	178	2600
4038	77	2700
4038	74	2800
	81	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
 NW
 Ark. K.

No. 4350 Date Mar 12 1904

Tanner Machine. Reel.

Turns 80 Cor. + 1 Depth 81 fms

Shot or lead 26 lbs ~~82~~

Bottom crs gy S

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature (S 51.0 W)

Air 68° Surface 59° Drift 1 4/10'

Trawl or dredge 8' Tanner as before & 7 lb bag

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 36. 50	11 39. 30	0	11. 37. 40	11. 15. 00
11. 37. 40	11 37. 45	100	11. 40. 25	
		175	11. 42. 10	
		200	11. 43. 00	12. 08. 20
		300		= 2 min.
11. 45	11 48. 00	400		
46	46. 10	500		
81 + 1 = 82 fms gy S.		600		
		700		
11. 56	81 fms. gy. S.	800		
12. 05	87 "	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Surface Trawl
 over at 11. 45. 00
 in at 12. 04. 00
 time out 19 min.

Pt. Loma Light. N 51° E. 8 2/10'

W. H. S.

Pi. Bar. same as
Do 4349

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

hazy.
Clear. Gentle breeze from West.
Smooth sea with gentle swell
Numerous gulls!

SERIAL TEMPERATURES.

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

REMARKS:

No. *E. 4350* Date *12 Mar 1904*

Tanner Machine. Reel.

Turns *83* Cor. + *1* Depth *84 fms.*

Shot or lead *26 lb*

Bottom *gn. M. crs. gy. S. blk Sh. G.*

Bottom temperature *49.0°*

No. of thermometer *98242* Cor.

Corrected temperature

Air *58* Surface *58* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.09.45</i>	<i>12.14.10</i>	0		
<i>10.45</i>	<i>13.40</i>	83		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
stop.

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:

P.L. 71.6

507.

No. *Dr. 4351.* Date *14 Mar. 1904*

Sigsbee Machine. Reel.

Turns *390* Cor. + *33* Depth *423 fms.*

Shot or lead *36 lb*

Bottom *sft. gn. M.*

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature — *(57.6° W)*

Air *60°* Surface *58°* Drift *1 1/10'*

Trawl or dredge *8' Tanner, Sinkers, 2 lbs, Mud Bag.*

Am. SOUNDING WIRE.

Am. DREDGE ROPE.

DOWN.		UP.	TURNS.	DOWN.		UP.
<i>9.32.15</i>	<i>9.40.20</i>			0	<i>9.38.00</i>	<i>10.56.00</i>
<i>33.20</i>	<i>39.40</i>		100	<i>41.00</i>	<i>52.55</i>	
<i>34.15</i>	<i>38.55</i>		200	<i>44.15</i>	<i>49.45</i>	
<i>35.10</i>	<i>38.00</i>		300	<i>47.15</i>	<i>46.20</i>	
<i>9.36.00</i>	<i>9.37.20</i>		<i>390</i> 400	<i>50.00</i>	—	
			500	<i>53.00</i>	—	
<i>Surf. Net:</i>			600	<i>55.20</i>	—	
<i>9.44.00</i>	<i>10.30.00</i>		700	<i>58.00</i>	—	
<i>= 46 min.</i>			700 800	<i>10.00.00</i>	<i>10.29.30</i>	
			900	<i>= 30 min.</i>		
			1000			
			1100	<i>good haul.</i>		
			1200			
			1300			
			1400			
			1500			
<i>Townsend's Self-drag:</i>			1600			
<i>125 fms down;</i>			1700			
<i>pulls up 25 fms</i>			1800			
<i>not closed!</i>			1900			
<i>9.40.32. — Surf. 10.44</i>			2000			
			2100			
			2200			
			2300			
			2400			



H. Loma Light, N 30° E, 12 ³/₁₀'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	Small.
		3300	Directions increasing to
		3400	gentle breeze from W. N. W.
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

Course: West.
 Fair & pleasant, haze.
 Bar. 30.12
 Therm. at. 58°
 Smooth sea, very small.
 Lt. air from various directions increasing to gentle breeze from W. N. W.
 Several gulls around.

4112	185
390	152
3722	33
	390
	423

SERIAL TEMPERATURES.

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

REMARKS:

Booked

No. _____

Date *14 Mar 09*

Sigsbee Machine. Reel.

Turns *422* Cor. + *36* Depth *458 fms.*

Shot or lead *36 lb*

Bottom *gn.*

Bottom temperature _____

No. of thermometer _____ Cor. _____

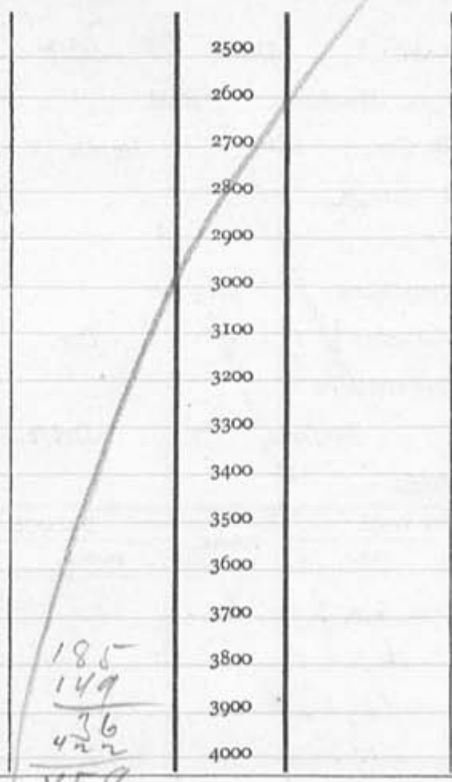
Corrected temperature _____

Air *71* Surface *60* Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.01.00</i>	<i>10.10.20</i>	0		
<i>01.55</i>	<i>09.30</i>	100		
<i>02.50</i>	<i>08.40</i>	200		
<i>03.55</i>	<i>07.45</i>	300		
<i>05.00</i>	<i>06.45</i>	400		
<i>10.05.20</i>	<i>10.06.30</i>	<i>422</i>		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
 2500
 7



4112
 422
 3690

185
 149
 436
 422
 458

SERIAL TEMPERATURES.

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

REMARKS:

No. E. 4351. Date 14 Mar. 04.

Sigsbee Machine. Reel.

Turns 450 Cor. + 39 Depth 489 fms.

Shot or lead 36 lb

Bottom gm. M.

Bottom temperature 40°

No. of thermometer 95242 Cor.

Corrected temperature .

Air 71 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.32.00	10.44.25	0		
32.55	43.25	100		
33.55	42.20	200		
34.50	41.20	300		
35.50	40.10	400		
10.36.20	10.39.20	450		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

JK
 100.
 2

4112
 450
 5662

185
 47
 438
 488

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:

No. *D-4352*. Date *14 Mar. 1904*

Sigsbee Machine. Reel.

Turns *506* Cor. + *43* Depth *549 fms.*

Shot or lead *36 lb*

Bottom *gn. M.*

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature — *(S 7 10' W)*

Air *70* Surface *57* Drift *13 10'*

Trawl or dredge *8' Tur y Mud Bar as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.02.00</i>	<i>11.13.35</i>	0	<i>11.02.30</i>	<i>24.45</i>
<i>02.55</i>	<i>12.25</i>	100	—	<i>12.22.00</i>
<i>03.50</i>	<i>11.35</i>	200	—	<i>12.18.30</i>
<i>04.45</i>	<i>10.25</i>	300	—	<i>12.15.00</i>
<i>05.40</i>	<i>09.15</i>	400	<i>15.30</i>	<i>12.13.00</i>
<i>06.40</i>	<i>08.05</i>	500	<i>18.00</i>	
<i>11.06.45</i>	<i>11.08.00</i>	<i>506</i>	<i>21.00</i>	
		<i>600</i>	<i>23.30</i>	
		<i>700</i>		
		<i>800</i>	<i>11.26.15</i>	<i>11.56.30</i>
		<i>850</i>	—	<i>11.54.45</i>
		<i>900</i>		<i>= 29 min.</i>
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Surf. Net:

11.28.00 - 11.50.00

22 min.

Vertical Net:
not used

3.53 m for depth

St. Louis Light, N40° E, 13 4/10'

St. Louis
N 100° E

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

Course: N. by N

Clear and pleasant, hazy, shoreline of
gentle breeze from
Bar. 30.92
Therm. at 61.
Smooth sea, gentle swell.

1112
506
3606
185
142
42
506
549

SERIAL TEMPERATURES.

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

REMARKS:

Amfil

No. —

Date

14 Mar 04

Sigsbee Machine.

Reel.

Turns 532 Cor. + 45

Depth 577 fms

Shot or lead 36

Bottom

gn. M.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

70

Surface

57

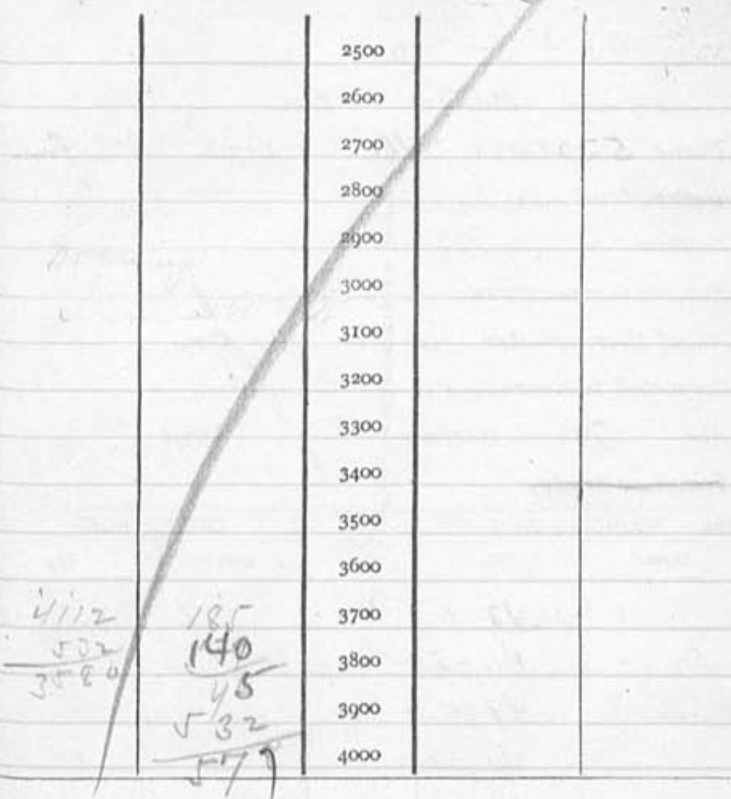
Drift

Trawl or dredge

Am. SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.29.40	11.42.00	0		
30.40	41.00	100		
31.30	40.00	200		
32.25	38.50	300		
33.15	37.35	400		
34.15	36.10	500		
11.34.45	11.35.50	532		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



SERIAL TEMPERATURES.

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

REMARKS:

HWR

No. 4352 Date Mar 14. 04

Sigsbee Machine. Reel.

Turns 540 Cor. + 45 Depth 585 fms

Shot or lead 36 lbs

Bottom gn M

Bottom temperature 39.0

No. of thermometer 98242 Cor.

Corrected temperature

Air 68° Surface 59° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 58.00	0. 12. 10	0		
59.00	10 45	100		
Merid 00	09 50	200		
12. 01.00	08. 30	300		
02.00	07. 30	400		
02.30	0. 06. 30	500		
12. 03.00	0 06.00	540		
		600		
		700		
		800		
Ahead 12.25		900		
interruption for		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	4112	2500	185
	440	2600	148
	<u>3672</u>		57
OK N.C.D.	4112	2700	185
	540	+45	146
	<u>3572</u>	2800	45
		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:

21.12.1907

No. *Dr 4353* Date *Mar. 14. '04*

Sigsbee Machine. Reel.

Turns *590* Cor. + *49* Depth *639 fms*

Shot or lead *36 lbs*

Bottom *gn M*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *65°* Surface *59°* Drift *(S 80° W) 1'*

Trawl or dredge *8' Tanner with 59 shot and mud bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.32.00</i>	<i>1.45.00</i>	0	<i>1.32.00</i>	<i>2.55.00</i>
<i>33.00</i>	<i>1.44.00</i>	100	<i>1.35.30</i>	<i>2.51.30</i>
<i>34.00</i>	<i>1.43.10</i>	200	<i>1.38.45</i>	<i>2.47.45</i>
<i>35.00</i>	<i>1.42.00</i>	300	<i>1.42.00</i>	
<i>36.00</i>	<i>1.41.00</i>	400	<i>1.44.50</i>	
<i>37.00</i>	<i>40.00</i>	500	<i>1.47.00</i>	
<i>38.00</i>	<i>1.39.00</i>	600	<i>1.50.00</i>	
		700	<i>1.52.30</i>	
<i>Surface Tow Net</i>		800	<i>1.55.00</i>	<i>2.26.00</i>
<i>out at</i>	<i>1.38.00</i>	<i>850</i>	<i>1.56.00</i>	<i>2.23.30</i>
<i>in</i>	<i>2.28.00</i>	1000	<i>time 27 1/2 m</i>	
<i>time</i>	<i>0.50.00</i>	1100		
		1200		
<i>Vertical Net</i>		1300	<i>Mud haul</i>	
<i>over at</i>	<i>2.27.00</i>	1400	<i>etc</i>	
<i>to depth of</i>	<i>150 fms</i>	1500		
<i>in at</i>	<i>2.34</i>	1600		
<i>time</i>	<i>7 m</i>	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St. Loma Light, N 47° E, 14 ⁷/₁₀'

	2500		
Bar 30.08"	2600		
Barometer 15°	2700	4112	185
Wind West, force 2-3	2800	590	136
Fair & pleasant, smooth sea	2900	522	49
Smooth Sea	3000		590
Small gusts from WNW	3100		639
	3200		
increased	3300		
lowering speed	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:

107
Star

No. _____ Date *Mar 14 - 04*

Sigsbee Machine. Reel.

Turns *580* Cor. + *48* Depth *628* fms

Shot or lead *36 lbs*

Bottom *gn M*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *65°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2. 01.00</i>	<i>2. 13.30</i>	0		
<i>2. 02.00</i>	<i>12. 20</i>	100		
<i>2. 50</i>	<i>11. 30</i>	200		
<i>3. 40</i>	<i>10. 30</i>	300		
<i>4. 30</i>	<i>2. 09.30</i>	400		
<i>5. 30</i>	<i>2. 08.30</i>	500		
<i>6. 00</i>	<i>2. 06.45</i>	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
HOB
/

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:

5071
J.P. R

No. *F* 4353 Date *Mar 14, '04*

Sigsbee Machine. Reel.

Turns 591 Cor. + 49 Depth 640 fms

Shot or lead 36 lbs

Bottom *gn m*

Bottom temperature 39.0

No. of thermometer 98242 Cor.

Corrected temperature

Air 65.0 Surface 59.0 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	<i>fms</i> UP.		DOWN.	UP.
2. 27. 10	43. 30	0		
2. 28. 15	42. 30	100		
2. 29. 20	41. 30	200		
30. 00	40. 15	300		
30. 55	39. 00	400		
31. 58	37. 30	500		
32. 59	2. 36. 00	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

185

4112

*OK
J.C.D.
7*

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:

310 R
AF 11/11

No. *D 4354* Date *Mar 14 '04*

Signature _____ Machine. _____ Reel. _____

Turns *596* Cor. + *50* Depth *646 fms*

Shot or lead *36 lb.*

Bottom *gn M*

Bottom temperature _____

No. of thermometer *not used* Cor. _____

Corrected temperature _____

Air *61°* Surface *59°* Drift *(S.W.) 1'*

Trawl or dredge *8' Tanner's beam + mud bag*

OK
11/11

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.05.00</i>	<i>3 18.15</i>	<i>0</i>	<i>3.05.00</i>	<i>4.22.30</i>
<i>3 00.50</i>	<i>3 17.05</i>	<i>100</i>	<i>3 07.50</i>	<i>19.30</i>
<i>3 06.50</i>	<i>3 16.10</i>	<i>200</i>	<i>3 10.30</i>	<i>4. 16.30</i>
<i>3 07.55</i>	<i>3 15.15</i>	<i>300</i>	<i>3 12.50</i>	—
<i>3 08.50</i>	<i>3 14.20</i>	<i>400</i>	<i>3 15.30</i>	—
<i>3 10.00</i>	<i>3 13.25</i>	<i>500</i>	<i>3 18.10</i>	—
<i>3 11.00</i>	<i>3.12.30</i>	<i>600</i>	<i>3 20.50</i>	—
		<i>700</i>	<i>3 23.30</i>	—
		<i>800</i>	<i>3 26.00</i>	<i>56.30</i>
		<i>850</i>	<i>3. 27.40</i>	<i>2.54.15</i>
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>	<i>3.54</i>	
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Surface Tow Net
over at 3.29.00
in at 3.56.30
time = 58 min

27^m

St. Loma Light, N 49° E., 15 6/10'

Bar	30.06	2500
Therm at		2600
Wind	West force 2	2700
Fair pleasant		2800
Smooth Sea		2900
Depth, Surf from	117	3000
		3100
		3200
4112	185	3300
596	135	3400
5516	50	3500
	596	3600
	646	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:

1897
2707R

No. — Date Mar 14. 04

Sigsbee Machine. Reel.

Turns 593 Cor. + 49 Depth 642 fms

Shot or lead 36 lbs

Bottom gn M

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 61° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3 36 15	3 50.00	0		
3 37 30	3 49.50	100		
3 38 30	3 48.05	200		
3 39 30	3 47.15	300		
3 40 40	3 46.20	400		
3 41 50	3 45.15	500		
3 43 10	3 44.20	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

816
 1100
 11

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.

No. *E. 4354*. Date *14 Mar. 04*

Sigsbee Machine. Reel.

Turns *600* Cor. + *50* Depth *650 fms.*

Shot or lead *36 lb*

Bottom *gn. M.*

Bottom temperature *38.5°*

No. of thermometer *98242*. Cor.

Corrected temperature

Air *61* Surface *60* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.57.50</i>	<i>4.14.15</i>	0		
<i>58.50</i>	<i>13.10</i>	100		
<i>59.50</i>	<i>12.10</i>	200		
<i>4.00.55</i>	<i>11.10</i>	300		
<i>01.55</i>	<i>10.00</i>	400		
<i>03.05</i>	<i>08.50</i>	500		
<i>4.04.30</i>	<i>4.07.30</i>	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
 10/1/2

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

4112 185
 600 125

 3512 50

SERIAL TEMPERATURES.

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

REMARKS:

anchorage off Anarantua Sta

No. Dr 4355 Date March 14, 1907

Handlead Machine. Reel.

Turns Cor. + Depth 7 fms

Shot or lead 9 lbs

Bottom M & S

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 57° Surface 59° Drift None

Trawl or dredge Hand Dip Nets & Small Plankton

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8-20-00

—

0

(Sandstrom & J McDonald used)

At 8.20 lowered a 16 exprimean denc
lamps in feet below the surface and
used hand dip nets to collect
miscellaneous small fish
and

at 9.00 AM Sandstrom stopped
and J McDonald continued in the
direction of 50° Pitter to fish
with fine dip net over the stern
of the ship after 9.00 pm, no
light being used - no results

at 9.15 pm J McDonald returned to
first fishing station at submerged light.

9.20 stopped hand dip nets and at

9.42 sent down Small Plankton Trawl Net

9.45 up again - down to 7 fms

A second time hand dip net used
over the starboard gangway brought
better results by J. McDonald

Closed work
at 10.05 pm.

1 hr 45 m

San Diego Harbor

⊥ off Quarantine v

Bar 30.09", Therm. at 55°

Clear & pleasant

Calm -

Strong Ebb tide at 10.00 pm

bringing lot of drift on surface

- disrupts

850

$$\begin{array}{r} 33 \\ \underline{60} \\ 1980 - 2.33 \text{ sec} \\ 1700 \quad \text{per ft} \\ \hline 2800 \quad 2.33 \\ 2550 \\ \hline 2500 \\ 2550 \end{array}$$

60 / 233 sec/ft - 3.5

850

$$\begin{array}{r} 2760 \\ \underline{1620} - 1.905 \\ 850 \\ \hline 7200 \quad 3.10 \text{ ft} \\ 2650 \\ \hline 4500 \end{array}$$