

#8. California Coast.

D^o 4500 to D^o 4548.

H₇.

May 19th to June 7th, 1904.

၅၆° ၈

Dr° 4450

Say 4499

4499
May 10-04. 4437 Monterey

62

4545
4303

242

4502
4303

200 dredge hauls since
commencement.

12" Butterfly No 10 Silk
6" Butterfly No 20 Silk

3600 = 143

08

Hy 4799

Dr 4450

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:

501.
2400 R

No. D. 4500 Date May 19 1904

Tanner Machine. Reel.

Turns 14 Cor. + 0 Depth 14 fms

Shot or lead 26 lbs

Bottom fine gy. mod. S

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 53° Surface 53° Drift

Trawl or dredge 8 Tanner drift 2 bottom 2 bottom
2 bottom 2 bottom

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A	M UP.		DOWN.	A	M UP.
9.46.00		✓	0	9.47		10.11.30
			25	9.49	✓	10.09.00
<u>Intermediate Soundings</u>			100			
			200			
			300			Time out 20 m
9.52.20		13+0 = 13 fms	400			
9.58.00		13+0 = 13 "	500			
10.03.00		13+0 = 13 "	600			
10.08.20		12+0 = 12 "	700			
			800			
			900			
			1000			Soil Character
			1100			of Bottom
			1200			<u>Hard Sand</u>
			1300			<u>small head</u>
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

Fog too dense to
take bearings or
angles.

Dredg Course
E S E 1/2 E

Bar 30.01 } see log
Therm at 60 }

Foggy
Calm

"
"Very thick fog"
"Calm and
mod swell"

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	2 Butterfly nets 12" No 10 silk			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D-4501 Date May 19, 1904Tanner Machine. Reel. TannerTurns 12 Cor. + 0 Depth 12 fmsShot or lead 26 lbsBottom fine crs S.Bottom temperature -No. of thermometer - Cor. -Corrected temperature -Air 53° Surface 53° DriftTrawl or dredge 8' Tanner beam trawl 20' beam trawl 2' sample attar 3' sample

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A M	UP.		DOWN.	A M	UP.
10.17.00		✓	0	10.17.00		40-
			100	10.18.00		10.38.00
			200			✓
			300	Time 20 min.		
10.22.00		12+0-12 fms	400			
10.27.00		12+0=12 "	500			
10.33.00		11+0=11 "	600			
10.37.00		11+0=11 fms	700			
			800			
			900			
			1000			
			1100	<u>Qual Character of</u>		
			1200	<u>Bottom</u>		
			1300	Hard sand		
			1400	very little in trawl		
			1500	many specimens		
			1600	come up on trawls		
			1700	and better specimens		
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

*Dense Fog
observing all
marks or Δ, ○
etc, etc*

*Dredging Course
S 88 1/2 W 2*

Bar 30.00

Therm. at 61°

Thick Fog

Calms

Tanner Trawl this time

*With 2 winged fish
2 tangles and bag at
tail, 2 butterfly winged
2 purple winged and
purple winged*

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

*(No. 10 butterfly silk
nets)*

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200	<i>Butterfly nets 12' No 10 silk</i>			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

con
XWR

No. Dr 4502 Date May 19 - 1904

Tanner Machine. Reel.

Turns 11 Cor. + 0 Depth 11 fms

Shot or lead 26 lbs

Bottom hd s

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air 53° Surface 53 Drift _____

Trawl or dredge 8' Tanner beam trawl

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A	M UP.		DOWN.	A	M UP.
10.47.00		10.42.00 ✓	0	10.47.00		11.13
			100	10.49.00		11.11.30
<u>Bottom sounding</u>			200			
10.53.00		10.48.10 fms	300	<u>Time out 22 1/2 m.</u>		
10.58.00		10.49.10 "	400	<u>water haul</u>		
11.03.00		10.50.10 "	500			
11.08.00		10.51.10 = 9 "	600			
11.12.00		10.52.00 = 9 ✓	700			
			800			
			900			
			1000			
			1100			
			1200			
			1300	<u>Drift corrected</u>		
			1400	<u>Hand study</u>		
			1500	<u>bottom</u>		
			1600	<u>barren</u>		
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

Drift Course E S E 1/2 E	2500	11.13.00	Am.
Bar 29.99 "	2600	Bluff	N S W 1/2 W
Therm at 61°	2700	11-20.50	
Thick fog as before	2800		
etc	2900	Bluff	N 1/2 W 1/8 W
	3000	Tank	E S 1/2 E
Whales and whalebirds within 100 yds of ship off starboard beam	3100		
	3200	2	this marks
11.04 fog again	3300		end of line
clearing to E of	3400	Dr 4.502	
11.10 Sighting north to	3500	11.25.02	
E of	3600	Bluff	N 7/8 W
	3700	Tank to Bluff	115° 27' 00"
	3800	Bearings	11-47.00
	3900	Bluff	N 6 E 3/4 E
	4000	Soucal	W 7/8 N

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Course	W N W 1/2 W		11.46
100	ahead			
200				
300	Butterfly net	12 "	N° 10 silk	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4503* Date *May 19, 1904*

Tanner Machine. Reel.

Turns *7* Cor. + *0* Depth *7* fms.

Shot or lead *26 lbs*

Bottom *sd.*

Bottom temperature *-*

No. of thermometer *-* Cor. *-*

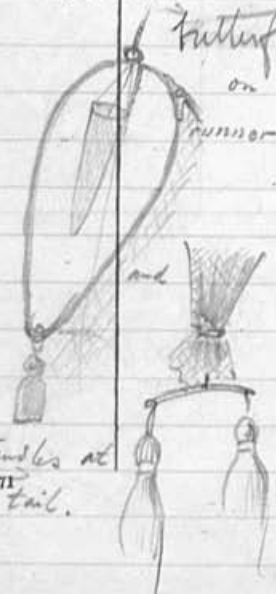
Corrected temperature *-*

Air *63°* Surface *57°* Drift

Trawl or dredge *8' m, 2 wigwags, 2 floats, prewater guy, 2*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.01.00</i>	<i>✓</i>	<i>0</i>	<i>1.04.00</i>	<i>1.29.00</i>
		<i>100</i>	<i>1.06.00</i>	<i>1.28.00</i>
<i>Inter. Sdgs.</i>		<i>200</i>	<i>= 22 min.</i>	
<i>1.05 -</i>	<i>80 fms.</i>	<i>300</i>		<i>✓</i>
<i>1.16 -</i>	<i>8</i>	<i>400</i>		
<i>1.21 -</i>	<i>8</i>	<i>500</i>	<i>Geol. character</i>	
		<i>600</i>	<i>of Bottom.</i>	
		<i>700</i>	<i>good haul.</i>	
		<i>800</i>	<i>good bottom.</i>	
		<i>900</i>		
		<i>1000</i>	<i>Beam of trawl</i>	
		<i>1100</i>	<i>bent & net torn</i>	
		<i>1200</i>	<i>slightly.</i>	
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>	<i>Butterfly net (6") No 20 silk</i>	
		<i>1600</i>	<i>the other is a</i>	
		<i>1700</i>	<i>12" No 10 silk -</i>	
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Showings



Tangles at tail.

Shipstead WNW 1/2 W

H. 3 1/2 N 1/2 E

11.35.10 A.M.

Dr. Course ESE 1/2 E	2500	
1 Jan 29.96	2600	Bearing Bluff N 3/8 E
Therm at 62°	2700	Tank to Bluff 102° 30'
	2800	Taken as beginning of new line, not run
	2900	
Light air in S. W. wind	3000	
Small fine W. wind	3100	
Clearing, misty haze	3200	
	3300	Dr. 4503.
Dr. Course, ESE 1/2 E	3400	Position, 1.04.00
Clear, hazy horizon.	3500	Sanguelo SW by W 3/8 W
Gentle breeze, S.W.	3600	Sang. wharf NW 1/4 N
Sea, smooth.	3700	1.18.30
Bar. 29.95	3800	Wharf - NW 1/4 W
Therm. at 62	3900	Sanguelo - WSW 3/8 W
Numerous gulls and other birds.	4000	Bluff - E 1/2 S.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Kofrid on Surf. Tm.		Sago. - WSW 3/4 W	
50	1.10 -	1.20 = 10 min.	Wharf - NW x W 3/8 W.	
100	1.19 -	1.31 = 12 "	Bluff - E 1/2 S.	
200		22		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Apparatus: 8' Tm. with runner-weights, 2 floats and pressure
 gny; a 6" No 20 silk ^{Butterfly} Kofrid on bow bolt (bridle bolt) of
 outer runner, a ^{12" No 10} "Butterfly" on bridle bolt of inner runner.
 2 tangles on bow fastened to tail of net. See
 sketch on opposite page.

507
A 711/51

No. *Dr. 4504.* Date *19 May, 1904.*

Tanner Machine. Reel.

Turns *10* Cor. + *0* Depth *10 fms.*

Shot or lead *26 lb*

Bottom *sandy*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *63°* Surface *57°* Drift

Trawl or dredge *8' Tr. as before, with bent beam.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.39.</i>	<input checked="" type="checkbox"/>	<i>0</i>	<i>1.39.30</i>	<i>1.55.00</i>
		100	<i>1.40.00</i>	<i>1.54.10</i>
		<i>18</i>	<i>= 14 fms.</i>	
<i>1.42</i>	<i>inter. Sdgs.</i>	<i>200</i>		
	<i>10 fms</i>	<i>300</i>		
<i>1.47</i>	<i>10 "</i>	<i>400</i>	<i>gen. character</i>	
<i>1.51</i>	<i>10 "</i>	<i>500</i>	<i>of Bottom:</i>	
		<i>600</i>		
		<i>700</i>	<i>hard sand.</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>		

	2500	
	2600	
	2700	
	2800	
Dr. Course, ESE 1/2 E	2900	Position: 1.59 p.
Clear; hazy horizon.	3000	Saguel - WSW 7/8 W
Gentle breeze from SW.	3100	Wharf - NW x W 1/2 W
Sea, smooth.	3200	Bluff - E 3/8 S
Bar. 29.95	3300	1.54.30
Ther. at. 62°	3400	Tank - Bluff 22° 25'
Several gulls around.	3500	Bluff - E 1/4 S.
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
	Profile as Surf. Temp.			
50	1.39.	- 1.44 = 5 min.		
100	1.47.	- 1.55 = 8 min.		
200		13 m		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.1

No. 2. 4505. Date 19 May, 1904.

Tanner Machine. Reel.

Turns 10 Cor. + 0 Depth 10 fms.

Shot or lead 26 lb

Bottom sandy.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 57° Surface 57° Drift.

Trawl or dredge 16' Tanner filled as last apparatus, but tangle instead of tangle.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.00		0	2.00	2.26.00
		100	2.04	2.25.00
		18		
		200		= 2 min
1/2 min. Sdys.				
2.06 - 10 fms.		300		
2.12 - 10 "		400		
2.17 - 10 "		500		
2.22 - 10 " ✓		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. course, ESE 1/2 E	2900	Position.
Clear, hazy horizon.	3000	2.02.55
Gentle breeze, S.W.	3100	Tank-Bluff 24° 24'
Smooth Sea.	3200	Bluff - E 1/2 S.
Bar. 29.93	3300	2.18.00
Therm. at. 64°	3400	Tank-Bluff 28° 30'
Several gulls about	3500	Bluff - East.
	3600	2.28.1
	3700	East new Bluff 35° 40'
	3800	to Bluff
	3900	Tank-Bluff 31° 32'
	4000	Bluff. E 1/4 N

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
	Kofoid to Surf. Temp:			
50	2.00	2.10 = 10 min.		
✓ 100	2.15	2.25 = 10 "		
200		20 m		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507
 5/19/04

No. Dr. 4506 Date 19 May 1904.

Tanner Machine. Reel.

Turns 9 Cor. + 0 Depth 9 fms.

Shot or lead 26 lb

Bottom sandy.

Bottom temperature -

No. of thermometer - Cor. -

Corrected temperature -

Air 57° Surface 57° Drift -

Trawl or dredge 16' Tnr. as before

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>2.36.</u>		<u>0</u>	<u>2.28.00</u>	<u>3.00.00</u>
		<u>100</u>	<u>2.40.00</u>	<u>2.57.00</u>
		<u>200</u>	<u>- 19 min.</u>	
		<u>300</u>		
		<u>400</u>		
		<u>500</u>	<u>gen. character</u>	
		<u>600</u>	<u>of Bottom:</u>	
		<u>700</u>		
		<u>800</u>	<u>has sand</u>	
		<u>900</u>		
		<u>1000</u>		
		<u>1100</u>		
		<u>1200</u>		
		<u>1300</u>		
		<u>1400</u>		
		<u>1500</u>		
		<u>1600</u>		
		<u>1700</u>		
		<u>1800</u>		
		<u>1900</u>		
		<u>2000</u>		
		<u>2100</u>		
		<u>2200</u>		
		<u>2300</u>		
		<u>2400</u>		

Inter. Sps.
 2.43 - 9 fms.
 47 - 8 "
 52 - 9 "
 57 - 8 "

	2500	
	2600	
	2700	
	2800	
Dr. Course, <u>ELE 1/2 E.</u>	2900	Position: 2.28.08
All remarks as before.	3000	Tank - <u>SE x E 1/2 E</u>
	3100	End next. - B. 45° 41'
	3200	Tank - Bluff 40° 40'
	3300	Bluff - E x N.
	3400	Tank - <u>SE x E 1/2 E</u>
	3500	2.49.50
	3600	End next. - B. 50° 00'
	3700	Tank to Bluff 53° 34'
	3800	Bluff - NE x E 1/2 E
	3900	Tank - <u>SE x E 1/2 E</u>
	4000	

SERIAL TEMPERATURES.

2.47.00

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			End of	
25			wh to Bluff	75° 07' c.
50			Tank - Bluff	69° 46' w
100	2.36 -	2.46 = 10 mi	Bluff.	NE 5/8 E. N.
200	2.49 -	2.59 = 10,		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507
 No. 4507
 Date May 20th 04
 Machine. Reel. Navy Type #1
 Turns 285 Cor. + 23 Depth 308 fms
 Shot or lead 36 lbs
 Bottom gm M
 Bottom temperature 44.9° at 10.02
 No. of thermometer 98246 Cor.
 Corrected temperature
 Air 50° Surface 54° Drift
 Trawl or dredge 10' Blake ^{4.6" S. W. net, 2' float}

Sigsbee
 Turns 285 Cor. + 23 Depth 308 fms
 Shot or lead 36 lbs
 Bottom gm M
 Bottom temperature 44.9° at 10.02
 No. of thermometer 98246 Cor.
 Corrected temperature
 Air 50° Surface 54° Drift
 Trawl or dredge 10' Blake ^{4.6" S. W. net, 2' float}

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A.M.	UP.		DOWN.	A.M.	UP.
9.02.00	✓	9.08.00	0	9.10.00		10.24.00
			100	9.15.30		10.18.30
			200	9.20.15		10.14.30
9.16.00 = 320 + 26 = 346 fms			300	9.24.35		10.10.00
9.29.00 = 355 + 28 = 383 ✓			400	9.29.00		10.05.30
9.42.00 = 334 + 26 = 350			450	9.30.30		
9.54.00 = 321 + 26 = 347			500	9.33.00		10.00.00
10.02.00 44.9° temperature			600	time out 27 min 30 sec		
Large Surface Tow Net,			700	Gentle character of Bottom		
9.02 A.M. } 33 min ✓			800			
in at 9.35 " }			900	Hard bottom,		
found, all things of this sort			1000	good haul		
- give net out ✓			1100	no mud		
substituted another surface			1200			
tow net 4 regular ships			1300			
out again at 9.46			1400			
in at 10.12			1500	9.51.00 <u>Rigid</u> pulsed		
time out 26 min.			1600	as surface tow net		
Trawl came up with			1700	inside of the larger one		
floaters on inside.			1800	in at 10.01.30		
of net, lower layard			1900	time out 10 1/2 min		
of floaters having			2000			
carried away.			2100			
			2200			
			2300			
			2400			

9:27-9:30-9:33-9:36 } Fog signals of 3rd duration
 9:37-40-43-46-49-52-54-57 } blown at intervals of 3 min

9:27 first one blown

Dr. Cruise	2500	
N E 1/2 E	2600	Pat Log in at 9:30 reading 62.9
Bar 30.04"	2700	
Therm at 56° (correct)	2800	
Variable air, calm	2900	
Sun set behind, South swell from Westward	3000	
Dense Fog, lightning up coast	3100	9:40 AM
No birds in sight	3200	
	3300	
	3400	
lightly setland	3500	
"	3600	
moderate SW	3700	
" Calm "	3800	
Smooth sea "	3900	
" 1/2 "	4000	(Accumulated down one half)

SERIAL TEMPERATURES.

DEPTH	TEMP.	NO. OF THER.	COR.	COR. TEMP.
2				
Kofoid Dip-Nets over at 10.03 to a depth of 100 fms				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

when a second net was put on at 10.09 down to 100 fms more
 when another third net was put on at 10.13
 bringing this first to 300 fms
 second to 200 fms
 and last to 100 fms up 10.22 ✓
 respectively - Started hauling in at 10.18 AM, delayed by fouling and net having tumbled across under boom, bottom of ship to starboard. Back in board at 10.41 ✓

REMARKS:

Delay caused by hauling in vertical (Kofoid dip) Nets,

X.W.R.
1007.

No. *Dr 4508* Date *May 20, 04*

Sigsbee Machine. Reel. *King Type = 1*

Turns *330* Cor. + *26* Depth *356 fms*

Shot or lead *36 lbs*

Bottom *soft gn M.*

Bottom temperature *see ~~5000~~ third intermediate (44.9°)*

No. of thermometer *98246* Cor.

Corrected temperature

Air *50°* Surface *54°* Drift

Trawl or dredge *10' Blake* *see note on page 2*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10, 46.00</i>	<i>10, 50.00</i>	0	<i>10 51.00</i>	<i>11. 54.00</i>
		50	<i>" 53.30</i>	<i>11. 51.30</i>
		100	<i>10 56.00</i>	<i>11. 49.50</i>
		150	<i>" 58.00</i>	
<i>Intermed. Soundings</i>		200	<i>11. 00.30</i>	<i>11. 46.00</i>
		250	<i>11. 02.30</i>	
<i>11. 02.00 = 270 + 22 = 292 fms</i>		300	<i>11. 04.30</i>	<i>11. 49.30</i>
		350	<i>11. 06.00</i>	<i>11. 50.00</i>
<i>11. 13.00 = 272 + 22 = 294</i>		400	<i>11. 08.00</i>	<i>11. 31.00</i>
<i>11. 20.00 = 221 + 22 = 303</i>		500	<i>Time 23 m.</i>	
<i>44.9° Temperature</i>		600	<i>11.33 big strain on Acorn</i>	
		700	<i>rendering utmost care</i>	
		800	<i>necessary</i>	
		900	<i>Trawl came up, not</i>	
		1000	<i>torn down the side</i>	
		1100	<i>winger to fall of mud</i>	
<i>Surface Tow 1000. X' slips</i>		1200	<i>Genl Character of Bottom</i>	
<i>over at 10.54</i>	<i>} 40 m. out.</i>	1300	<i>" Very soft mud "</i>	
<i>in at 11.34</i>		1400	<i>" trawl came up "</i>	
		1500	<i>" torn, saved "</i>	
<i>Reford as another inside</i>		1600	<i>" specimens? thought "</i>	
<i>surface towed over</i>		1700		
<i>at 10.55</i>	<i>} 36 m out</i>	1800		
<i>in at 11.31</i>		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

11.40 - 11.55 A.M.

Bearing

Sabinas Δ E 3/4 S

Dr Course
E 1/2 S
Bar 29.98° } sea fog
Th. att 61° }
Clearing overhead
Smooth sea with
long gentle pull from W
10.45 breeze springing up
from W S W five 1-2
2 gear up
turtle on starboard side
"C: 1/2"
at 11.55 course W

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

11.50 thick fog
closed in again from
Westward

slow ahead both engines

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. 4509* Date *20 May 1904*
Sigsbee Machine. Reel. *1 Navy*
 Turns *265* Cor. + *21* Depth *286 fms.*

Shot or lead *35 lb*Bottom *gy. M.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *57°* Surface *55°* DriftTrawl or dredge *8' Tur. prair. gy. cur. & thro. 12° + 6° B. traps.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.06</i>	✓	0	<i>1.09.30</i>	<i>1.59.50</i>
	<i>Inter. Sdgs. n.g.</i>	100	<i>14.30</i>	<i>54.10</i>
<i>1.20</i>	<i>329 fms.</i>	200	<i>18.20</i>	<i>48.30</i>
<i>1.30</i>	<i>152 ✓</i>	300	<i>22.30</i>	<i>39.00</i>
		400	<i>26.50</i>	<i>32.45</i>
		<i>425</i>	<i>1.27.40</i>	<i>22.00</i>
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Net came up badly torn, but with lots of mud. Man in dory worked cargo-net under load and the whole was hoisted aboard at 2.05. 12° Butterfly also from same.

At 1.30 Accumulation showed that net was caught on bottom, and here in dory heavy strain (B=1/2). Trawling about 11 min; then hauled to get net up.

Genl. character of Bottom: very soft mud, big, fair haul.

	2500	
	2600	
	2700	
	2800	
D. Course, E by S.	2900	Position:
Clear, hazy horizon.	3000	No bearings on a large
Light breeze, from N. S. W.	3100	Sabine's E x S.
Smooth Sea.	3200	Mrs. Ledy N.W. x W.
Bar. 29.96	3300	at end of station
Therm. at. 62°	3400	Dr. Log.
A dozen gannets in wake of ship.	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	as Surf Temp.			
50	1.25 - 1.55 = 10 min.			
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

ATM/11-

No. *Dr. 4510.* Date *20 May 1904*

Sigsbee Machine. Reel. *#1 Navy*

Turns *170* Cor. + *14* Depth *184 fms*

Shot or lead *35 lb.*

Bottom *gy m.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *54* Surface *55* Drift

Trawl or dredge *9' Tuv. 2 floats, wings, t. etc., 6" x 12" B. etc. etc. spec.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.25.00</i>	<i>✓</i>	0	<i>2.30.00</i>	<i>2.57.00</i>
		100	<i>2.35.00</i>	<i>53.40</i>
<i>inter. S. dyp.</i>		200	<i>2.39.00</i>	<i>2.49.40</i>
<i>2.35.00</i>	<i>156 fms. ✓</i>	300	<i>= ✓ min.</i>	
<i>2.40.00</i>	<i>136 ✓</i>	400		
<i>48</i>	<i>91 ✓</i>	500	<i>General Character of Bottoms very soft mud. Big haul of mud, fishes etc in some.</i>	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Big haul of mud brought up by the air of cargo-net. Yet slightly torn.

✓

	2500	
	2600	
	2700	
	2800	
	2900	
Dr. Course, E x N.	3000	Position ^{2.42.00}
Clear; long horizon	3100	Salinas - ESE.
Lt. breeze, N.E.W.	3200	⊙ Moss - N.E x E 1/2 E
Smooth Sea.	3300	2.55.00
Bar. 29.95	3400	Moss Ldg. ENE
Ther. at. 61	3500	Salinas - - ? -
A few gossies around.	3600	2.57.00
C = 1/2.	3700	Moss ⊙ - N.E. by E 1/2 E.
	3800	Salinas - E.S.E.
	3900	2.05.00 Moss ⊙ - N.E x E 1/2 E
	4000	Salinas - E.S.E.

SERIAL TEMPERATURES.

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

REMARKS:

507
Frank

No. *Dr. 4511.* Date *20 May 1904*

Sigsbee Machine. Reel. *No. 1 Navy*

Turns *120* Cor. + *10* Depth *130 fms.*

~~Shot~~ lead *35 lb*

Bottom *gn. mud M.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *58°* Surface *55°* Drift

Trawl or dredge *8' Tnr., accessories as before, but no floats.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.32.20</i>		0	<i>3.27.00</i>	<i>4.07.00</i>
<i>Inter. Sigs.</i>		100	<i>42.00</i>	<i>4.03.00</i>
<i>3.40.</i>	<i>136 fms.</i>	175	<i>3.45.00</i>	
		200	<i>3.50.00</i>	<i>3.59.00</i>
<i>3.42.</i>	<i>135 fms.</i>	300		
		400	<i>Trawling from 3.45 to 3.59.</i>	
		500	<i>= 14 min.</i>	
		600		
		700	<i>Abrad at 4.07</i>	
		800	<i>course N.W. for</i>	
		900	<i>Santa Cruz</i>	
		1000	<i>Genl. Character of Bottom</i>	
		1100	<i>Hard mud,</i>	
		1200	<i>small corals.</i>	
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
Dr. Cox, SSW	3000	Position: 3.07.00
Clear, large horizon	3100	Saline - ESE 1/2 E
Lt. breeze from WSW	3200	Moss @ - NE x E 1/2 E
Bar. 29.94	3300	3.28.40
Therm. at. 60.7°	3400	Saline - ESE 3/4 E
Smooth sea.	3500	Moss @ - NE x E 1/2 E
No life in sight. -	3600	3.49.00
1 gannet & 1 gull latter part.	3700	Saline - E x S.
	3800	Moss @ NE x E 1/2 E
	3900	3.59.10
	4000	Moss @ NE 3/4 E

SERIAL TEMPERATURES.

Island 8 1/4 N 4.05.00

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

REMARKS:

No. *Dr 4512* Date *May 23, 1904**Sigsbee* Machine. Reel. *Very Type # 1*Turns *434* Cor. + *35* Depth *469 fms*Shot or lead *35 lbs*Bottom *gn M*Bottom temperature *45°*

No. of thermometer Cor.

Corrected temperature *98746*Air *54°* Surface *55°* DriftTrawl or dredge *10' Blake with 6" D.C. to bottom*

SOUNDING WIRE.

DOWN. A. W. UP.

TURNS.

DREDGE ROPE.

DOWN. A. M. UP.

DOWN. A. W.	UP.	TURNS.	DOWN. A.	M. UP.
<i>9.16.00</i>	<i>9.27.00</i>	0	<i>9.24.00</i>	<i>10.36.00</i>
		50	<i>9.25.30</i>	<i>10.34.30</i>
		100	<i>9.28.30</i>	<i>10.33.00</i>
		150	<i>9.30.15</i>	
		200	<i>9.32.00</i>	<i>10.30.20</i>
		250	<i>9.34.00</i>	<i>10.28.50</i>
<i>9.37.00</i>	<i>409 + 23 = 442 fms</i>	300	<i>9.35.45</i>	<i>10.27.10</i>
		350	<i>9.37.30</i>	
<i>10.00.00</i>	<i>491 + 39 = 530</i>	400	<i>9.39.00</i>	<i>10.24.15</i>
		450		<i>10.23.00</i>
<i>10.16.00</i>	<i>440 + 35 = 475</i>	500	<i>9.42.15</i>	<i>10.21.15</i>
		550	<i>9.43.50</i>	<i>10.19.30</i>
<i>10.31.00</i>	<i>309 + 25 = 334</i>	600	<i>9.45.30</i>	<i>10.17.30</i>
		<i>660</i>		<i>10.15.00</i>
		800	<i>time out 29 1/2 m</i>	
		900	<i>at 10.00 clocked out</i>	
		1000	<i>to 660 fms</i>	
		1100		
		1200	<i>Trawl came up with</i>	
		1300	<i>the 6" bucket caught fish</i>	
		1400	<i>trawl turned up and over</i>	
		1500	<i>the opening and around</i>	
		1600	<i>the wire changer</i>	
		1700	<i>Character of bottom</i>	
		1800	<i>"Hard bottom"</i>	
		1900	<i>"good haul"</i>	
		2000		
		2100		
		2200		
		2300		
		2400		

Pat Log 78 Oct 9.12

9.15.20 a.m.

Dr. Course
ESE

2500 ~~to~~ ~~Prior~~ ~~to~~ ~~No~~ ~~S. E. 1/2 E~~
2600 10.08.00 A.M.
2700 ~~to~~ ~~Prior~~ ~~to~~ ~~No~~ ~~SSE 7/8 E~~
2800
2900
3000
3100
3200

Bar. 29.91

Ther. att. 61°

overcast, heavy fog bank

Sea smooth with gentle swell from SW

Whale under starboard bow on our way to dredging ground, another on starboard beam

wind South, force 1-2, SSW at 10.15

numerous gannets, gulls

other birds

C 1/2

Began 10 miles from Bell Boney off Sta Cong, having run on course SSE 1/4 E
3300
3400
3500
3600
3700
3800
3900
4000

C. 2 at 9.53

SERIAL TEMPERATURES.

C. 2 1/4 at 10.10

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10.15 AM				
25		3 Kofoid Vertical Nets sent down on a 1/2" Manila line to a depth of 300, 200 and 100 fathoms being fastened to the line at these distances apart from each other		
10.24				
50				
100				
10.37				
200				
10.40				
300				
400				
400		Began hauling in at 10.28		✓
500		first Kofoid at 10.31		✓
500		second " " 10.37		✓
600		last " " 10.40		✓
700				
800		Ahead at 10.42		
900		W 1/2 S. 3 miles		
1000				

REMARKS:

No. *Dr 4513* Date *May 23, 1904**Sigsbee* Machine. Reel. *Navy Type #1*Turns *422* Cor. + *34* Depth *456 fms*Shot or lead *35 lbs*Bottom *gn M*

Bottom temperature

No. of thermometer *98246* Cor.

Corrected temperature

Air *54°* Surface *55°* DriftTrawl or dredge *10' Black, 2' tangle*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	A. M. UP.		DOWN.	A. M. UP.
<i>11.09.00</i>	<i>11.21.00</i>	0	<i>11.10.30</i>	<i>12.07.15</i>
		100	<i>11.14.20</i>	<i>12.04.05</i>
		200	<i>11.16.50</i>	<i>12.00.20</i>
<i>11.30 = 360 + 29 = 389 fms</i>		300	<i>11.19.30</i>	<i>not given</i>
<i>11.44 = 382 + 31 = 413</i>		400	<i>11.22.20</i>	<i>11.53.40</i>
		500	<i>11.25.10</i>	<i>11.50.15</i>
		600	<i>11.28.00</i>	<i>11.48.30</i>
		700	<i>time 20/2 m.</i>	
		800	<i>11.44 have in to 550</i>	
		900	<i>11.47 - 550 fms</i>	
		1000		
		1100		
		1200		
		1300		
		1400	<i>Good Character</i>	
		1500		
		1600	<i>very good haul,</i>	
		1700	<i>gn. Mud.</i>	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Tot Log 80.7 at 10.07.
and hauled in at that reading

11-10 - 2 M

Dr Course
E.S.E

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

Too foggy
overland
everything obscured
3 miles N 1/2 E
from Dr. 4512

Bar 29.87" wlog
Th at (62°)
wind South force 3
overcast, foggy overland
Smooth sea, gentle swell
from SE and Wd
gannets, gulls
whales

C: 1/4 11.30
C 1/2 11.36

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	at 11, 48 put 3 Kofoid Vertical Nets			
50	over as before to the depths of 300,			
100	200 and 100 fms respectively -			
200	hove them up at 12.00.00 - 12.13.10 ✓			
300	12-09- ✓			
400	12-04- ✓			
500	✓			
600	✓			
700	✓			
800	✓			
900	✓			
1000	✓			

REMARKS:

501.
No. *Dr. 4514.*

Date *23 May, 1904.*

Sigsbee Machine. Reel. *4 Navy*

Turns *486* Cor. + *38* Depth *524 fms.*

Shot or lead *35 lb*

Bottom *S. M.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *58°* Surface *55°* Drift

Trawl or dredge *10' Blake, prtr., 2 Btrfls., 1 Tangle, 2 flts., 8inder*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.20.00</i>	<i>2.32.50</i>	<i>0</i>	<i>1.22.30</i>	<i>2.30.00</i>
<i>Inter. Sigs.</i>		<i>100</i>	<i>26.20</i>	<i>28.10</i>
<i>1-44-</i>	<i>406 fms.</i>	<i>150</i>	<i>30.00</i>	<i>27.00</i>
<i>53 - 394</i>		<i>200</i>	<i>32.15</i>	<i>25.15</i>
		<i>300</i>	<i>35:10</i>	<i>23.10</i>
		<i>350</i>		<i>19.35</i>
		<i>400</i>	<i>37.55</i>	<i>18.00</i>
		<i>450</i>	<i>40.50</i>	<i>16.00</i>
<i>Net badly torn.</i>		<i>500</i>	<i>1.44.00</i>	<i>12.40</i>
<i>12' Butterfly slightly</i>		<i>550</i>		<i>10.50</i>
<i>torn on hoop.</i>		<i>600</i>		<i>08.30</i>
		<i>650</i>		<i>02.30</i>
		<i>700</i>		<i>00.00</i>
		<i>800</i>		<i>1-50-00</i>
		<i>900</i>		<i>Heavy strain. At 1.50</i>
		<i>1000</i>		<i>attempted to heave in 50 fms</i>
		<i>1100</i>		<i>apc water shallowing, but</i>
		<i>1200</i>		<i>had to veer on west of the</i>
		<i>1300</i>		<i>strain. At 1.56 ascend</i>
		<i>1400</i>		<i>ed to heave in, stopped</i>
		<i>1500</i>		<i>at 600 fms. at 2.02.30</i>
		<i>1600</i>		<i>Have in again at 2.04.</i>
		<i>1700</i>		<i>Trawling from 1.44 to 2.02</i>
		<i>1800</i>		<i>1.44 6 m</i>
		<i>1900</i>		
		<i>2000</i>		<i>Gen. character</i>
		<i>2100</i>		<i>of Bottom:</i>
		<i>2200</i>		<i>good haul,</i>
		<i>2300</i>		<i>mod.</i>
		<i>2400</i>		

	2500	
	2600	
	2700	
	2800	
Dr. Core, E.S.E.	2900	Position.
Oversight, misty.	3000	3 miles West
Gentle breeze from South	3100	from Dr. 4513.
Smooth Sea.	3200	Lt Ho, HA S E by S. ^{2.34.}
Bar. 29.85	3300	
Therm. atk. 63°	3400	
Gulls, gulls, and	3500	
inches.	3600	
C = 1/2; 3/4;	3700	
3823 - 159	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. 4515* Date *23 May, 1904.*Sigsbee Machine. Reel. *No. 1 Navy*Turns *341* Cor. + *27* Depth *368 fms.*Shot or lead *35 lb*Bottom *gn M. bl. Sp. sh. sh.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *56'* Surface *54°* DriftTrawl or dredge *9' M. Sinker, 30 lbs.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.36.00</i>	✓	0	<i>2.36.30</i>	<i>3.39.00</i>
		100	<i>40.00</i>	<i>36.00</i>
		200	<i>42.10</i>	<i>37.00</i>
		300	<i>46.10</i>	<i>30.00</i>
<i>2.55 -</i>	<i>495 fms</i>	✓ 400	<i>48.50</i>	<i>3.27.00</i>
<i>3.10 -</i>	<i>433 "</i>	500	<i>51.30</i>	
<i>3.20 -</i>	<i>198 "</i>	✓ 550	<i>2.53.00</i>	<i>3.21.00</i>
<i>3.20 -</i>	<i>119 "</i>	600	<i>2.58.00</i>	<i>3.14.00</i>
		650	<i>3.00.00</i>	<i>3.12.00</i>
		700		
		800	<i>Trawling from 2.53.00 to</i>	
		900	<i>3.21.10 = 28 min</i>	
		1000		
		1100		
		1200	<i>Gen. character</i>	
		1300	<i>of bottom.</i>	
		1400	<i>hard sand bottom.</i>	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	Position ^{2.30 P.}
Dr. Course E. S. E.	2900	Pt. Pine Lt. SE by S
Overcast, misty.	3000	^{2.48}
Gentle breeze fr. South	3100	Musick Pt. SE 1/4 S.
Smooth sea	3200	Island - ENE 7/8 E. ^{2.55}
Bar. 29.85	3300	Bay - ESE 1/2 E
Therm. at. 60°	3400	Island - ENE 3/4 E.
Ironing, gulls and	3500	
Archiebs about.	3600	Bay. - SE by E.
C. = 1/4 - 1/2	3700	Lt Ho - SSE 3/4 E ^{3.20 P.}
	3800	Musick Pt. SE 5/8 S.
	3900	Bay SE by E.
	4000	Island ENE 1/2 E

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Surf Temp.			
50	1 Therm. 1 No 8 silk therm. net			
100	2.55.00 - 3.12 = 18m.			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

HW
107

No. *Dr 4516* Date *May 24 2004*
Sigsbee Machine. Reel. *Navy Type #1*
 Turns *700* Cor. + *56* Depth *756 fms*
 Shot or lead *35 lbs*
 Bottom *gn M*
 Bottom temperature
 No. of thermometer *92246* Cor.
 Corrected temperature
 Air *55°* Surface *54°* Drift
 Trawl or dredge *9' Trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.23.00</i>	<i>9.32.00</i>	0	<i>9.35.00</i>	<i>11.06.00</i>
		50	<i>9.37.30</i>	<i>11.03.30</i>
		100	<i>9.39.00</i>	<i>11.02.00</i>
		150	<i>9.41.00</i>	
<i>Interim Soundings</i>		200	<i>not given</i>	<i>10.59.00</i>
<i>9.52.00 = 796 + 63 = 859</i>	<i>7.59</i>	300	<i>7.45.10</i>	<i>10.55.30</i>
<i>10.28.00 - 665 + 53 = 718</i>	<i>7.18</i>	400	<i>7.48.25</i>	<i>10.52.30</i>
		500	<i>9.51.10</i>	<i>10.49.30</i>
		600	<i>9.54.20</i>	<i>10.46.00</i>
<i>3 Vertical Kelp Nets</i>		700	<i>9.57.10</i>	<i>10.42.30</i>
<i>in Position</i>		800	<i>9.59.30</i>	<i>10.38.40</i>
<i>Dr 4512</i>		900	<i>10.01.30</i>	<i>10.34.10</i>
<i>10.27.00 - A.M.</i>		1000	<i>10.04.30</i>	<i>10.30.05</i>
<i>Put 3 Kelp</i>		1075	<i>10.06.30</i>	<i>10.26.30</i>
<i>vertical nets over</i>		1100		
<i>to 300, 400 & 100</i>		1200	<i>time 2.0 m</i>	
<i>fms depth respectively</i>		1300	<i>Good Murex Bottom</i>	
<i>only</i>		1400		
<i>have in again 10.38</i>		1500	<i>Good fossils</i>	
<i>first net aboard 10.46</i>		1600	<i>granul. good</i>	
<i>second " " 10.52</i>		1700	<i>haul of kelp</i>	
<i>third " " 10.58</i>		1800	<i>trawl brought up</i>	
		1900	<i>Some deep water</i>	
		2000	<i>specimens who</i>	
		2100	<i>had died coming up</i>	
		2200	<i>& floated out of</i>	
		2300	<i>trawl, goonies</i>	
		2400	<i>immediately</i>	

It took 1 hr 31 m.
to trawl 30 minutes in
859 fms water

Lowered day and
recovered a number from the fast
divorcing jaws of the goonies.

At 9.10. am. Trawl log hauled in
 reading 4.6

Extremely difficult
 to discern contents
 of land 9.15 am
 7.10 am
 Paper No ESE 1/4 E
 at target find NW 3/8 N
 Santa Cruz

**
 Dr Course made good 2500
 ENE, drift E 1/2 S 2600
 Bar, 29.86" 2700
 Thatt 60° 2800
 Wind SW. 4 to SSE, 2. 2900
 Weather Cloudy, overcast 3000
 Sea, rough. Swell small 3100
 from W 3200
 gormies & shells about 3300
 2 Whales, 1 albatross, many 3400
 other small birds 3500
 9.27 Rudder chips 3600
 2 sheets of drift 3700
 9.45 Drift to windward 3800
 land observed by day 3900
 Steering E 1/2 S 4000

10.25.30 A.M.
 Paper No SE 1/2 E 1/2 E
 Cypress Point SE 1/4 E
 Bay (W) ESE 3/4 E

some clear to ship at 10.5 am.

**
 this with leeway gives an ENE heading course

C-2 10.08 SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
0	2 1/2 = 10.10			
25	3.3 = 10.12			
50	3 1/4 = 10.19			
100				
200				
300				
400				
500	ahead at 11.23 port helm			
600	only dinner - intermission			
700				
800				
900				
1000				

REMARKS:

3 ft and 1/3 ft per second is the rate of
 speed at which trawl travels through the
 water, when coming in 100 fms in 3 min.

No. *Dr 4517*

Date *May 24 '04*

Sigsbee Machine.

Reel.

Handtype #1

Turns *849* Cor. + *67*

Depth *916* fms.

Shot or lead *35 lbs*

(air tank for aft)

Bottom *M.*

Sounding unreliable

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *56°*

Surface *56°*

Drift

Trawl or dredge *10' Blake, pres. gy., 2 1/2 str. fls., 3 wts., 2 floats.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

~~12.42.30~~

~~1.00.00~~

0

12.42.30

2.12.10

100

46.30

08.25

Inter. Stgs.

200

50.20

04.50

1.10. - 710 fms. = 766 fms.

300

53.30

2.01.15

1.40 - 695 = 750

400

57.40

500

57.00

53.40

600

1.01.30

49.40

700

03.40

46.00

800

06.30

42.00

860

12.00

38.40

900

~~20.45~~

34.10

1000

1.22.30

1.30.20

1050

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

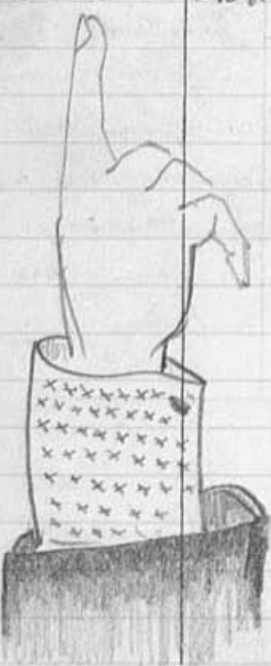
2400

18 min -

Good haul of bottom

Very good haul, muddy bottom.

Heavy strain on acc. multiplier. lots of mud; some stick in net when hauled up, through net was of very large mesh, 2" (inner mesh)



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
Dr. Course, E. by S.	3100	Position, 12.42 pm.
Fair hazy horizon.	3200	Lt. Ho. — ESE.
^{1/2 mph} Gentle breeze, S.S.W.	3300	Bay — E. by S.
Smooth sea.	3400	Sailed: — NE 1/4 E.
Bar. 29.87	3500	Course? — S.E. 1/4 E.
Ther. Alt. 64°	3600	Cap. Lt. H. — N 3/4 W ^{1.45 pm.}
Whales, gulls and gannets, etc.	3700	R.P. Lt. H. — S.E. by E 1/4 E.
C = mark 2; 3; 4	3800	
6' when leaving in.	3900	
	4000	

SERIAL TEMPERATURES.

$\frac{2.12}{1.42}$
20 + 1

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

At 2.12.10 ahead
pl. 4.6
Course SSE 1/4 E
to run two miles.
Stopped at 2.30 to sound;
found too deep water, 385 fms
and no bottom; ahead again
at 2.40, on same course.

REMARKS:

5007
 7/11/04

No. *Dr. 4518* Date *24 May 1904.*
Sigsbee Machine. Reel. *#1 Navy.*
 Turns *130* Cor. + *10* Depth *140 fms.*

Shot or lead *35 lb*
 Bottom *hard sand.*

Bottom temperature _____
 No. of thermometer _____ Cor. _____

Corrected temperature _____
 Air *57* Surface *55* Drift _____

Trawl or dredge *10 Blake as before.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.00.00</i>		0	<i>3.05.00</i>	<i>3.30.00</i>
		100	<i>3.09.00</i>	<i>3.25.00</i>
		200	<i>= 16 min.</i>	
	<i>Inter. Sigs.</i>	300		
<i>3.05</i>	<i>98 f</i>	400		
<i>3.08</i>	<i>76</i>	500		
<i>3.10</i>	<i>75</i>	600		
<i>3.12</i>	<i>71</i>	700		
<i>3.14</i>	<i>70</i>	800		
<i>3.16</i>	<i>70</i>	900		
<i>3.18</i>	<i>70</i>	1000		
<i>3.20</i>	<i>70</i>	1100		
<i>3.22</i>	<i>67</i>	1200		
<i>3.24</i>	<i>66</i>	1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Gen. character of Bottom = hard sand; good haul = lots of fishes.

	2500	
	2600	
	2700	
	2800	
Dr. Course, E.S.E.	2900	Position:
Clear, cloudy & hazy horizon	3000	2.23.00 p.m.
Moderate breeze, S.S.W.	3100	Pine Lt - SE 1/4 E.
Fairly smooth sea.	3200	Bay - ESE 1/8 E.
Bar. 29.85	3300	Sabins? - ENE.
Therm. at. 63°	3400	2.03.00 p.m.
Numerous gulls and	3500	Pine Lt - SE 1/4 E.
gories, and covered	3600	Bay - E 1/4 S.
shells around ship.	3700	Sabins - NE 3/4 E.
C = 4 (miles).	3800	{ Sabins NE 1/2 E.
	3900	{ Pine Lt. SE 3/4 E.
	4000	{ Sabins - NE 1/2 E.
		{ Pine Lt. SE 1/8 E.

Serial Temperatures.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
Surf. - 3.12		3.22 = 10 min.		
Ref. - 3.15		3.25 = 0 min.		
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

W.H. R

No. *Dr 4519* Date *May 26 - '04*
Sigsbee Machine. Reel. *Tany Type 1*
 Turns *30* Cor. + *2* Depth *32 fms*
 Shot or lead *35 lbs* *35 fms*
 Bottom *red gy/s*
 Bottom temperature
 No. of thermometer *98246* Cor.
 Corrected temperature
 Air *57°* Surface *56°* Drift
 Trawl or dredge *10' Blk, 3' Panties, etc.*

SOUNDING WIRE			TURNS.	DREDGE ROPE.		
DOWN.	A. M.	UP.		DOWN.	A. M.	UP.
8.51.30		8.	0	8.55.30		9.05.00
			50			
			100	8.58.00		9.10.00
			200	<i>time out 4 m</i>		
			300			
<i>8.53.00 = 32 + 3 = 35 fms</i>			400			
<i>8.58.00 = 32 + 3 = 35 fms</i>			500			
<i>9.01.00 26 + 1 = 27</i>			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600	<i>Good Chain of Bottom</i>		
			1700	<i>"Good hauling"</i>		
			1800	<i>"Bottom"</i>		
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

During Comp. course N 50 E to dredging grounds

Stopped at 8.49 am.

Position Angles & Bearings

Dr Course	2500	8.53.30 A.M.
S 10 1/2 W 1/2 W	2600	Now to Tank 122° 42'
Bac. 29.91"	2700	Now to Tank E 7/8 S
Th. att 59°	2800	9.02 15
N 50 E 0-1	2900	Now to Tank 112° 26'
Smooth sea, "mad full"	3000	Now to Tank E 1/4 S
"Partly foggy"	3100	
"Dredging in Virginia's 1 mile"	3200	
"from Signal Massachusetts"	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:

Handwritten initials

No. *Dr 4520* Date *May 26 04*
Sigsbee Machine. Reel. *Wavy Type 1*
 Turns *90* Cor. + *6* Depth *96*
 Shot or lead *35 lbs* *44 fms.*
 Bottom *gn M.*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air *57°* Surface *56°* Drift

Trawl or dredge *10' Blake as before*

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A. M.	UP.		DOWN.	A. M.	UP.
9.09.70	+6	= 76	0	9.10.00	9.25.30	
9.07.00	-51	+4 = 55	50	14.20		
9.09.70	-70	+6 = 76	100	9.16	9.23.30	
9.11.00	-80	+6 = 86	200	none in to 45 at 9 1/2		
9.13.	41 + 3	44 ✓	300	time out 9 1/2		
9.15.00	-30	32	400			
9.16.00	-30	32	500			
9.17.00	-30	32	600			
9.18.00	-30	32 ✓	700			
9.19.00	-31 +	33	800			
9.20.00	-31 +	33	900			
9.22.00	-35 +	38	1000			
23	-40.3	43 ✓	1100			
24	-50 + 4	54	1200	"hard haul" "hard bottom"		
26	-57 + 4	61	1300			
			1400			
			1500			
			1600			
9.28	= 65 + 5 =	70	1700			
9.29	= 75 + 6 =	81	1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

9. 13. 30 AM

Dr. Course	2500		
SW 4 W 1/2	2600	Moist Tank	98° 09'
Bar 29.91	2700	Moist A	E 7/8 N
Therm at 59 th or preceding Station	2800	9.25.	40
	2900		
	3000	Moist Tank	90° 37'
	3100	Moist A	E 7/8 N
	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 4521* Date *May 26. 04*

Sigsbee Machine. Reel.

Turns *25* Cor. *1* ~~7~~ Depth *72 fms.*

Shot or lead *35 lbs* *119 fms.*

Bottom *gn s*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *sealed* Surface *56°* Drift

Trawl or dredge *10' Blake as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.		
DOWN.	A M UP.		DOWN.	A M UP.	
<i>9.31.00</i>	<i>9.32.00</i>	0	<i>9.31.30</i>	<i>9.57.00</i>	
		100	<i>9.35.05</i>	<i>9.54.30</i>	
		<i>150</i>	<i>9.37.00</i>		
<i>9.39.00</i>	<i>9.40.08</i>	<i>175</i>	<i>9.40.10</i>	<i>9.51.00</i>	
<i>9.36.30</i>	<i>110 + 9 = 119</i>	✓ 400			
<i>9.39.00</i>	<i>115 + 9 = 124</i>	500 ^x	<i>9.39.20</i>	<i>9.51.30</i>	
<i>9.42.00</i>	<i>120 + 10 = 130</i>	600			
<i>9.45.00</i>	<i>130 + 10 = 140</i>	✓ 700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

Time out = 14 min

Spore haul

A.M. 9. 32 20

Dr Course
S 21° 1/2 W

Bar 29.91"
Th at 59° as before
Other remarks

2500	West Point	85° 55'
2600	Moss Δ	E NE 7/8 E
2700	A.M. 9.	52. 30
2800	West Point	75° 15'
2900	Moss Δ	E NE 3/8 E
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. *Dr 4522* Date *May 26 '04*

Tanner Machine. Reel.

Turns *147* Cor. + *2* Depth *149 fms*

Shot or lead *26 lbs*

Bottom *gn. S. Sh.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *56.9°* Surface *56°* Drift

Trawl or dredge *10' Blake with 1/2 lb*

SOUNDING WIRE.

DOWN. *AM* UP.

TURNS.

DREDGE ROPE.

DOWN. *AM* UP.

<i>10.05.00</i>	<i>10.07</i>	0	<i>10.03.00</i>	<i>10.33.00</i>
		100	<i>10.07.00</i>	<i>10.21.30</i>
		200	<i>10.09.00</i>	<i>10.29.25</i>
		300	<i>10.11.30</i>	<i>10.27.30</i>
		400		<i>10.25.30</i>
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Intended haulings
10.24.30 = 129+1 = 130 fms

Mr Sopp reports
wire of Sigsbee Mark
showed break
at 147 out this
amount off the
Navy T. Reel
leaving 3676
turns on reel

"Very Good Hard"
"Rock coral"

Ground character

AM: 10. 03 50

Dredg Course
S W 1/2 W

Bar 29.92"
 Therm 60° pressed
 - rest
 Gentle SW breeze 10.10
 Smith ahead (S.W.)
 breeze fresh after 10.20

2500	Moist Tank	70° 21'
2600	Moss A	E N E 1/4 E
2700	A.M.	10.27.00
2800	Moist Tank	63° 52'
2900	Moss A	E N E 1/8 E
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.
 J.W.R.

No. Dr 4523 Date May 26 '04
 Sigsbee Machine. Reel. N.T.
 Turns 100 Cor. + 8 Depth 108 fm
 Shot or lead 35 lb
 Bottom dk M
 Bottom temperature
 No. of thermometer not used Cor.
 Corrected temperature
 Air 63° Surface 57° Drift
 Trawl or dredge 10' Blake as before

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.44.00 ✓	10.46.00	0	10.43.00	11.13.00
		100	10.47.00	11.08.30
		150	10.49.00	11.03.30
		200		
		250		
10.53.00	72+6 = 78 fms	300	10.52.00	11.03.00
10.59.00	69+6 = 75 fms ✓	400		
		500	10.57	has in to 110
		600		Time out 13 m.
		700		
		800		Heavy strain on
		900		accumulator
		1000		indicating lead
		1100		of mud
		1200		Washed mud
		1300		out by towing
		1400		to gulf from 1800
		1500		13 minutes after 11.00
		1600		"
		1700		"Very soft mud"
		1800		"good haul"
		1900		"Heavy load of mud"
		2000		"good character"
		2100		
		2200		
		2300		
		2400		

Time A.M.
10.44.20

Dr. Course

S W 1/2 S

Bar. 29.92"
Th. att 60°

Crucing up
from SW - line 3

Hazy overhead
Clear overhead, present
Whales, gulls and
gulls

ahead at 11.09

course N.W. 2 miles

full speed ahead 11.15 course N.W.

2500	Moesta Tank	60° 04'
2600	Moss A	NE 1/2 S 7/8 E
2700	Am 10.	54.10
2800	Moss to Tank	58° 05'
2900	Moss A	NE 1/2 E 3/4 E
3000	10.	07.40
3100	Moss to Tank	56° 32'
3200	Moss A	NE 1/2 E 3/4 E
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.

3676 148

No. *Dr 4524* Date *May 26 '04*
Sigsbee Machine. Reel. *Hand Type #1*
 Turns *211* Cor. + *17* Depth *228 fms*
 Shot or lead *35 lbs*
 Bottom *sft gy M*
 Bottom temperature
 No. of thermometer *—* Cor. *—*
 Corrected temperature
 Air *61.2* Surface *57°* Drift
 Trawl or dredge *10' Blake*

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A. M.	UP.		DOWN.	A. M.	UP.
<i>11.25.00</i> ✓		<i>11.28.00</i>	0	<i>11.27.00</i>	<i>11.59.00</i>	
			50		<i>57.20</i>	
			100	<i>11.30.30</i>	<i>11.55.40</i>	
			<i>150</i>	<i>" 2.00</i>		
<i>Interm. Connections</i>			200	<i>11.33.10</i>	<i>11.53.00</i>	
			<i>250</i>			
<i>wire jumped guided reel</i>			300	<i>11.35.00</i>	<i>11.49.30</i>	
<i>on Sigsbee - changed</i>			400			
<i>off to Tanner Machine</i>			500	<i>Time out 14 1/2 hr</i>		
<i>Tanner Machine</i>			600			
<i>11.44.00 - 20 x 2 = 213 fms</i>			700	<i>Soft gy mud</i>		
			800	<i>good haul.</i>		
			900			
			1000			
			1100			
			1200			
			1300			
<i>Ahead 11.59</i>			1400			
			1500			
<i>Course N</i>			1600			
<i>with gy. Sigsbee</i>			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

Pos. angles & bearings

Dr Course
S S W

Bar 29.93
Th. at 61° }
other }
remarks } as before
Drops increasing
from S S W - 3:4

2500	AM	11. 22. 48
2600	Mass to Tank	57° 27'
2700	Mass Δ	ENE 7/8 E
2800	11.	50° 05' ^{sec}
2900	Mass to Tank	54° 35'
3000	Mass Δ	ENE 1/2 E
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. 4525* Date *26 May 1904*

Sigsbee Machine. Reel. *#1 Navy.*

Turns *206* Cor. + *16* Depth *222 fms.*

Shot or lead *35 lb*

Bottom *gy. M.*

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air *60°* Surface *57°* Drift

Trawl or dredge *10' Blake, previous, 2 fths, sinker & taint.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.11.20</i>	✓	0	<i>1.16.30</i>	<i>1.56.00</i>
		100	<i>20.00</i>	<i>52.10</i>
	<i>Inter. Sigs.</i>	200	<i>24.10</i>	<i>49.20</i>
		300	<i>1.26.30</i>	<i>46.30</i>
<i>1.24</i>	<i>- 226 fms.</i>	<i>350</i>	<i>1.28.00</i>	<i>1.44.30</i>
<i>1.30</i>	<i>- 222</i>	✓ 500	<i>= 18 min.</i>	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Gen. character of bottom:

very soft mud; very good haul.

A whale loomed up under ship's stern and carried away 67 turns of the sounding wire from the Sigsbee Machine. This is the 2nd time during

this cruise that whales (they object to the) have interfered with sigs. (disturbance)



	2500	
	2600	
	2700	
	2800	
	2900	
Dr. course, SW.	3000	Position:
Clear, hazy horizon.	3100	1.11.20 pm.
Moderate breeze, E.W.	3200	Moss-Tank - 53°30'
Fairly smooth sea.	3300	Moss O - ENE 1/4 E
Bar. 29.92	3400	
Ther. at. 62°	3500	1.35
Numerous gulls, gannets,	3600	Moss-Tank 52°00'
and sand. birds. Also	3700	Moss O - NE x E 7/8 E
whales.	3800	
C = 2 1/2.	3900	1.45. '0
	4000	Moss-Tank 51°30'

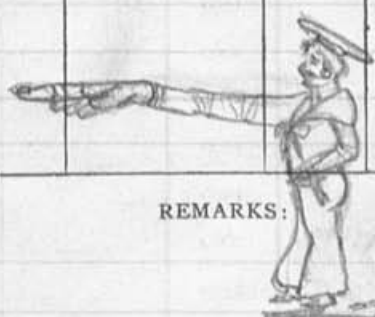
3675-148.

Moss O - NE x E 7/8 E

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	40.41			1.50.29
50	38.54		Sal-Moss - 41°19'	
100	37.22		Moss-Tank - 51°25'	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

At 1:56 out p.l.
to run 1/4 mile full
speed; W.N.W.



REMARKS:

H.F.

not.
 4711/1

No. *Dr. 4526* Date *26 May, 04.*
 Sigsbee Machine. Reel. *#1 Kang*
 Turns *189* Cor. + *15* Depth *204 fms.*
 Shot or lead *35 lb*
 Bottom *sft. gy. M.*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air *59°* Surface *57°* Drift
 Trawl or dredge *10' Blake as before.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.12.45</i>	<i>✓</i>	0	<i>2.12.45</i>	<i>2.55.00</i>
		100	<i>16.40</i>	<i>50.30</i>
<i>1/2 hr Sigsbee</i>		200	<i>20.00</i>	<i>2.45.00</i>
<i>2.26</i>	<i>222 fms</i>	270	<i>2.22.30</i>	
<i>2.40</i>	<i>239</i>	300	<i>2.30.00</i>	<i>2.40.00</i>
		400	<i>from 2.22 to</i>	
		500	<i>2.40</i>	
		600	<i>= 18 min.</i>	
		700		
		800		
		900		
		1000	<i>Gen. charact of Btm:</i>	
		1100	<i>soft mud;</i>	
		1200	<i>good haul.</i>	
		1300		
		1400		
		1500	<i>Net slightly torn</i>	
		1600	<i>near lead-line.</i>	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. Course, SSW.	2900	Position:
Clear; hazy horizon.	3000	2.14.00
Moderate breeze, S.S.W.	3100	Sal-Mon. 34° 56'
Choppy Sea.	3200	Moss-Tank 50° 25'
Bar. 29.93	3300	2.26.00
Therm. Alt. 61.5°	3400	Sal-Mon. 35° 37'
Some animal life as	3500	Moss-Tank 50° 00'
on previous station.	3600	2.38.35
O-6+ (heavily in)	3700	Sal-Mon. 35° 47'
	3800	Moss-Tank 49° 41'
	3900	2.40.49
3600 - 143	4000	Sal-Mon. 36° 07'
189		Moss-Tank 49° 36'
3420		

SERIAL TEMPERATURES.

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

REMARKS:

1007.
 Arrived

No. *D-4527* Date *26 May 04*
 Sigsbee Machine. Reel. *#1 Navy*
 Turns *261* Cor. + *21* Depth *282 fms.*

~~Shot or lead~~ *35 lb*
 Bottom *hd. S.*

Bottom temperature *---*
 No. of thermometer *---* Cor. *---*
 Corrected temperature *---*
 Air *58°* Surface *56°* Drift *---*

Trawl or dredge *9' Tar, preser., sinker of 3 irons, fls.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.15.00</i>	<i>✓</i>	0	<i>3.17.40</i>	<i>3.57.00</i>
		100	<i>21.50</i>	<i>55.00</i>
		200	<i>25.15</i>	<i>12.00</i>
<i>3.27</i>	<i>211 fms</i>	<i>250</i>	<i>28.30</i>	<i>3.50</i>
<i>3.32</i>	<i>337 ✓</i>	<i>300</i>	<i>3.32.00</i>	
<i>3.40</i>	<i>267</i>	<i>400</i>	<i>3.35.00</i>	<i>3.40</i>
<i>3.47</i>	<i>210</i>	<i>500</i>		
<i>3.52</i>	<i>183 ✓</i>	600	<i>At 3.42 hose in 100</i>	
<i>3.56</i>	<i>180</i>	700	<i>fms. = 330 fms ext.</i>	
		800	<i>at 3.40 commenced</i>	
		900	<i>up to have in</i>	
		1000	<i>very slowly. -</i>	
		1100	<i>Trawling from 3.32</i>	
		1200	<i>to 3.50 = 18 min</i>	
		1300		
		1400	<i>General character</i>	
		1500	<i>of Bottom =</i>	
		1600	<i>low sandy bottom,</i>	
		1700	<i>scant haul.</i>	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
Dr. Course, SSW.	2900	Position =
Clear, hazy horizon.	3000	Sal - Moss 37° 06' 3.15
Moderate breeze, SSW	3100	Moss - Tank 47° 00'
Fairly smooth sea	3200	— 3.27
Bar. 29.72	3300	Sal - Moss 37° 15'
Therm. att. 61.0°	3400	Moss - Tank 45° 57'
Numerous whales,	3500	— 3.42
a few porpoises.	3600	Sal - Moss 37° 22'
C = 1/4	3700	Moss - Tank 44° 43'
	3800	— 3.58.59
	3900	Sal - Moss 36° 55'
	4000	Moss - Tank 43° 07'

SERIAL TEMPERATURES.

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

REMARKS:

9.14.00. m Pat Log, 23.2

H.W.R.

No. *D*, 4528 Date *May 27, '04*

Sigsbee Machine. Reel. *Navy Type #1*

Turns *505* Cor. + *40* Depth *545 fms*

Shot or lead *35 lbs*

Bottom *sft gy M* *681-17*

Bottom temperature

No. of thermometer Cor. *7.26 1/3*

Corrected temperature

Air *56°* Surface *56°* Drift

Trawl or dredge *10' Blake*



SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A	M UP.		DOWN.	A	M UP.
<i>9.18.30</i>		<i>9.27.00</i> ✓	0	<i>9.28.00</i>	<i>10.44.00</i>	
			<i>20 50</i>	<i>29.40</i>	<i>3.30</i>	
			100	<i>31.30</i>	<i>10.40.30</i>	
			200	<i>34.30</i>	<i>3.30</i>	
			300	<i>37.20</i>	<i>10.34.40</i>	
<i>9.45. - 622 + 50 = 672</i>			400	<i>40.00</i>	<i>10.31.30</i>	
<i>9.56. 711 + 55 = 766</i>			500	<i>43.00</i>	<i>10.28.20</i>	
<i>10.16. - 743 + 57 = 800</i>			600	<i>45.20</i>	<i>10.24.10</i>	
			700	<i>47.40</i>	<i>10.20.20</i>	
			800	<i>51.00</i>	<i>10.16.45</i>	
			900	<i>54.00</i>	<i>10.13.00</i>	
			1000	<i>Time 19. m</i>		
			1100	<i>Heavy lead coming up</i>		
			1200	<i>Washing out on dredge</i>		
			1300	<i>Reel Character</i>		
			1400	<i>Bottom by C.</i>		
			1500	<i>" " "</i>		
			1600	<i>" Very good "</i>		
			1700	<i>" haul, no "</i>		
			1800	<i>" mud came "</i>		
			1900	<i>" up in trawl "</i>		
			2000			
			2100			
			2200			
			2300			
			2400			

Interms Soundings

*Trawl came up, one
old haddock caught
under the net
Lump of lead which
holds the end of the
splice to its standing
part immediately
above the 140 lb
spherical sinker*

*Many starfish
and other
specimens
in trawl*

3500 yd

Dr. Course	2500	Heavy banks of
S. E. 1/2 E	2600	lag across all
Bar 30.06"	2700	shoaling
Th. att 59°	2800	
N.E. 1 to 2 to S.E. 1 to 0	2900	
	3000	
Onset of heavy fog	3100	
Sun at sea with will S ^{1/2} E	3200	
Gulls, gannets & other birds	3300	
Clearing outward 10.00	3400	
Whale close to ship in vicinity	3500	
	3600	
" C. 2 1/4 " 10.00	3700	
" C. 3 " 10.03	3800	
" C. 3 1/4 " 10.07	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300	57.5 + 1/3 = 72.6	length of 200 yd		
400	67.2 + 1/3 = 89.6			
500	76.6 + 1/3 = 102.1			
600	80.0 + 1/3 = 106.6	Wooden pipelights		
700				
800				
900				
1000				

REMARKS:

H.W. 10
Ambr

No. *Dr 4529* Date *Mar 27 '04*

Sigsbee Machine. Reel. *New Type #1*

Turns *724* Cor. + *56* Depth *780 fms*

Shot or lead *35 lbs*

Bottom *hard*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *—* Surface *—* Drift *—*

Trawl or dredge *9' Tanner*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	A. M. UP.		DOWN.	A. M. UP.
10 46 00	930 fms out	0	10 48 00	12 05 00
wire too long too far	asterisk it was here	100	10 52 10	12 01 05
up again by direction	of Comdr's Office	200	10 55 30	11 58 20
of Comdr's Office	11 00	300	10 58 00	11 55 40
Initial Sounding	11 00	400	11 01 00	11 52 40
11 15	724 + 56 = 780 fms	500	11 04 00	11 49 40
		600	not given	11 46 40
		650	11 07 00	11 43 40
		700	11 09 25	11 43 40
		775	11 30	11 40 30
<i>Intermed Soundings</i>		800	11 12 00	11 40 30
<i>11 37</i>	<i>742 + 57 = 799 fms</i>	900	11 15 30	11 37 30
<i>11 59</i>	<i>670 + 53 = 723 "</i>	1000	11 20 00	11 35 00
		1100	<i>time out 20 m</i>	
		1200		
		1300	<i>General Character</i>	
		1400	<i>of Bottom</i>	
<i>Stuck out to</i>		1500		
<i>1000 fms at 11 19 00</i>		1600	<i>hard bottom</i>	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

11.00 am

Dr Course	2500	To shore line in sight, obscured by mist & fog.
S E by E	2600	
Bar	2700	
Thatt & all log	2800	
Wind light air in off	2900	
Weather hazy, light clouds outland	3000	
Sea smooth	3100	
Clearing slightly	3200	
after 11.30	3300	
Gulls, albatrosses, porpoises and whales in sight	3400	
	3500	
	3600	
	3700	
"C - 2 1/2" - 11.20	3800	
"C - 3 1/4" - 11.23	3900	
"C - 3 1/4" - 11.27	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900	780 + 1/3 = 1040			dredging scope
1000	799 + 1/3 = 1065			dredging scope

REMARKS:

Amk

No. *Trial 30* Date *27 May, 04.*

Sigsbee Machine. Reel. *#1 Navy.*

Turns *665* Cor. + *52* Depth *717 fms.*

Shot ~~lead~~ *35 lb*

Bottom

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air Surface Drift

Trawl or dredge *8' Dredge, No. 1, 2 lb, Sigsbee, Winsor & Pillsbury.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.15.00</i>		0		
		100		
		200		
	<i>Inter. Sdgs.</i>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Trial

General character of Bottom

	2500	
	2600	
	2700	
	2800	
Dr. Course,	2900	Position:
Fair, hazy over land.	3000	1.15.00
Gentle breeze from S.W.	3100	Lt. Ho. — ESE 1/4 E.
Smooth sea.	3200	Cypress Pt. — S.E.
Bar.	3300	
Therm. att.	3400	
Numerous gannets and	3500	
other birds; a few sea	3600	
gulls.	3700	
	3800	
	3900	
	4000	

3609 - 143.
 665 - 91
 2944 665

SERIAL TEMPERATURES.

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

At 1.28 full speed
 ahead on course
 SW by S, p.L. = 23.2
 1.42.00
 Lt. No. SE 1/4 E

REMARKS:

No. *Dr. 4530* Date *27 May 1904*

Sigsbee Machine. Reel. *#1 Navy*.

Turns *892* Cor. + *77* Depth *958 fms.*

Shot or lead *35 lb*

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *60°* Surface *58°* Drift

Trawl ^{All new} ~~on dredge~~ *Bl.-Alb. Portulacae, 2 Flts., Sinker, 3 wts.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.49.15</i>	<i>2.08.00</i>	0	<i>1.59.15</i>	<i>3.51.00</i>
		100	<i>2.02.40</i>	<i>47.30</i>
		200	<i>05.20</i>	<i>43.00</i>
<i>2.25</i>	<i>847 fms</i>	300	<i>08.25</i>	<i>39.10</i>
<i>2.55</i>	<i>755 "</i>	400	<i>11.30</i>	<i>35.25</i>
		500	<i>14.30</i>	<i>31.45</i>
		600	<i>16.40</i>	<i>28.15</i>
		700	<i>19.15</i>	<i>23.30</i>
		800	<i>22.10</i>	<i>19.00</i>
		900	<i>25.15</i>	<i>14.25</i>
		1000	<i>28.45</i>	<i>05.30</i>
		1050	<i>2.30.00</i>	<i>3.01.40</i>
		1100		
		1200	<i>= 33 min.</i>	
		1300		
		1400	<i>Heavy strain when</i>	
		1500	<i>heaving up. C = 8 1/2.</i>	
		1600		
		1700	<i>Genl. character</i>	
		1800	<i>of Bottom:</i>	
		1900		
		2000	<i>Very soft mud;</i>	
		2100	<i>rich haul.</i>	
		2200		
		2300	<i>Net came up</i>	
		2400	<i>torn.</i>	

Dr. Course, South.
 Fair; hazy over land.
 Gentle breeze, S.W.
 Smooth Sea.
 Bar. 30.06
 Therm. alt. 59.9
 Numerous ptarmica and
 8ml. gulls birds, a few
 sea gulls, whales.
 C. 2 1/2; 3 1/2; 4 1/2; 6
 3600 - 94.3
 900 - 99
 21.09 - 55

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

Position: 1.58
 Lt. Ho. — E 1/4 N.
 Gy. Pt. — SE x E 1/4 E
 2.29.
 Lt. Ho. — E 3/4 N
 Gy. Pt. — SE x E 1/4 E.
 2.53
 Lt. Ho. — E x N
 Gy. Pt. — SE x E 1/4 E

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
300	x) decreasing to light breeze.			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507
J.H.W.R.

No. *Dr 4531* Date *May 28 '04*
 Tamer Machine. Reel. *Tanner*
 Turns *26* Cor. + *0* Depth *26 fms*
 Shot or lead *26 lbs*
 Bottom *fine gy S & P*
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air *57°* Surface *58°* Drift _____

Trawl or dredge *10' Blake, 11 lb net, 2 floats & 1 proc. guy*

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A.M.	UP.		DOWN.	A.M.	UP.
<i>8.03.00</i>	<i>✓</i>	<i>8.03.30</i>	<i>0</i>	<i>8.02.00</i>		<i>8.23.00</i>
			<i>7</i>	<i>8.04.00</i>		
			<i>100</i>	<i>8.07.00</i>		<i>8.20.00</i>
			<i>44</i>	<i>✓</i>		<i>8.19.00</i>
			<i>200</i>			
<i>Interim Soundings</i>						
<i>8.07 -</i>	<i>26 + 0</i>	<i>26 fms</i>	<i>300</i>	<i>time 15 m</i>		
<i>8.10 -</i>	<i>27 + 0</i>	<i>27 "</i>	<i>400</i>	<i>Longitudinal middle bar of</i>		
<i>8.12 -</i>	<i>28 + 0 - 28 "</i>	<i>28 "</i>	<i>500</i>	<i>Trawl came up</i>		
			<i>600</i>	<i>bar, not torn</i>		
			<i>700</i>			
			<i>800</i>			
			<i>900</i>			
			<i>1000</i>	<i>Qual Character</i>		
			<i>1100</i>	<i>of Bottom</i>		
			<i>1200</i>			
			<i>1300</i>	<i>Rocky Bottom</i>		
			<i>1400</i>	<i>" Not torn</i>		
			<i>1500</i>	<i>" Good haul made"</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>			

91.00
140

141.205

1.) Beginning of Line

Dr Course	2500	8.03.00 A.M.
WNW	2600	Pyramid Point ESE 1/2 E
Bar 30.06 "	2700	At Pinosi Ho NE 1/4 E
Thatt 58°	2800	Cypress Rock S 3/4 E
Calin	2900	8.19.00 A.M.
Downcast, hazy	3000	Cypress Rock S 1/4 E
Plenty of birds	3100	Flight Ho NE 1/4 E
8.15 summit observed	3200	Cypress Pt ESE
evidence of rock	3300	
	3400	
C = 1/4 " 8.13	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 4532* Date *May 28 '04*

Tanner Machine. Reel. *Tanner*

Turns *30* Cor. + *0* Depth *30 fms*

Shot or lead *26 lbs*

Bottom *gy S & R*

Bottom temperature *-*

No. of thermometer *-* Cor. *-*

Corrected temperature *-*

Air *58°* Surface *58°* Drift *-*

Trawl or dredge *9' Tanner*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	A. M. UP.		DOWN.	A. M. UP.
<i>2.36.00</i>	<i>2.37.00</i>	<i>0</i>	<i>2.36.30</i>	<i>8.47.00</i>
		<i>45</i>	<i>2.39.30</i>	<i>8.43.30</i>
<i>Interm. Soundings</i>		<i>200</i>	<i>time out</i>	<i>4 m</i>
<i>none taken,</i>		<i>300</i>		
<i>condition of</i>		<i>400</i>		
<i>bottom made</i>		<i>500</i>		
<i>inspection of</i>		<i>600</i>		
<i>trawling necessary</i>		<i>700</i>		
<i>to pass trawl</i>		<i>800</i>	<i>Sail Cleared</i>	
		<i>900</i>	<i>Bottom</i>	
		<i>1000</i>	<i>"</i>	<i>"</i>
		<i>1100</i>	<i>Very rough bottom</i>	
		<i>1200</i>	<i>" not torn "</i>	
<i>Lost 1 Runner</i>		<i>1300</i>	<i>" very good specimens "</i>	
<i>weight and</i>		<i>1400</i>		
<i>tare not again,</i>		<i>1500</i>		
<i>frame O.K.</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>		

<i>Dr Course</i> <i>W, N, W.</i> <i>Bar 30.08"</i> <i>Th att 59°</i> <i>Current heavy</i> <i>Smooth sea</i> <i>Calm to light</i> <i>S.W. by air</i> <i>Bounty birds</i> <i>8.40 signal of rock</i>	2500	1.	8.36.30 am
	2600		Cyprus Rock S 4 E 3/8 E
	2700		S 3/4 N N E 1/4 E 3/8 E
	2800		Tyrant Pt E S E
	2900		8.47.00 am
	3000	2.	S. Ho NE x E 7/8 E
	3100		Cyprus Rock S 4 E 3/8 E
	3200		Tyrant Pt S 2 E 3/8 E
	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 4533 Date May 28, '04

Tanner Machine. Reel.

Turns 291 Cor. + 2 Depth 293 fms

Shot or lead 26 lbs

Bottom gm M S

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 58° Surface 58° Drift

Trawl or dredge 8' Tanner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	A. M. UP.		DOWN.	A M UP.
9.12.00	✓ 9.32.00	0	9.24.40	10.05.00
		100	27 30 29 30	10.00.30
<u>Interim Soundings</u>		200	9.32.30	9.55.00
<u>Sigsbee Machine</u>		300	9.35.30	X
9.42.00-180	+14 S 194	375	9.39.00	9.58.30
9.47.00-161	+13 S 174	490	time 19 1/2 min	
9.50.00-150	+12 S 162	500	time 19 1/2 min	
9.52.00-132	+11 S 143	700	9.48	hove into 250
9.58.00	133 +11 S 144 ✓	800	9.47	" " 225
below 36 lbs lead used		900	9.49	reached 225
		1000	9.54	hove into 175
		1100	9.56	reached 175
		1200		
		1300		
		1400	<u>Genl Character</u>	
		1500	<u>of Bottom</u>	
		1600		
		1700	"Hard sandy,"	
		1800	"good haul"	
		1900		
		2000	"miscell specimen"	
		2100		
		2200		
		2300		
		2400		

Log over at 8.53 - ^{course} 34 W. 3 mi. 25.2
 9.15 read 27.2

At Course	9.19 in log	2500	9.17.00
South	reading 28.2	2600	Li No East
Bar 30.08"		2700	Cyprus Pt S.E.
Th at 59°		2800	9.41.00
rest as before		2900	Cyprus Pt S 1/2 S
		3000	Li No E 1/2 S
heading S S E,		3100	9.44.00 Pyramid Pt S E 1/2 S 1/4 E
current making this		3200	Li No S
as true	Southern	3300	9.47.00 Cypr Rock S E 1/4 S
		3400	A.M. 9.50
		3500	Li No E 1/2 S
"A - 1/4"	9.40	3600	Cyprus Rock S E 1/8 S
"C - 1/2"	9.58	3700	10.02 30
		3800	Li No E 1/4 S
		3900	Cypr Rock S E 1/2 S
course S E		4000	

Swimter after 10.05
 SERIAL TEMPERATURES.

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

REMARKS:

H. R.

No. *Dr 4534* Date *May 28th 04*

Sigsbee Machine. Reel.

Turns *80* Cor. + *6* Depth *86 fms*

Shot or lead *36 lbs*

Bottom *hard S*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *55* Surface *57°* Drift

Trawl or dredge *8' Bell Albatross*
2. Round weight 2. sand 1. Haul 1. on 1. P. 1. 1. 1.

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	A M	UP.		DOWN.	A M	UP.
<i>10.14.00</i>	<i>✓</i>	<i>10.19.00</i>	0	<i>10.15.00</i>		<i>10.41.00</i>
			100	<i>10.21.00</i>		<i>10.37.20</i>
			110			
			200	<i>10.22.20</i>		<i>10.37.00</i>
<i>10.24.</i>	<i>78+6 = 84</i>	<i>fms</i>	300	<i>time out 15 min</i>		
<i>10.26-</i>	<i>75+6 = 81</i>		400			
<i>10.28-</i>	<i>75+6 = 81</i>		500			
<i>10.31-</i>	<i>74+6 = 80</i>		600			
<i>10.34-</i>	<i>71+6 = 77</i>	<i>"</i>	700			
<i>10.36-</i>	<i>70+6 = 76</i>	<i>✓</i>	800			
			900			
			1000			
			1100			
			1200	<i>Genl Character of Bottom</i>		
			1300	<i>"Hard sandy"</i>		
			1400	<i>"bottom but"</i>		
			1500	<i>"very interesting haul"</i>		
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

10. 12. 30 A.M.

By Course
S 4 E
Bar reading 30.58"
Thette " 60"
rest as
preceding

C - 1/4 " 10.23

2500	Si Ho	E 1/2 N
2600	Cypress	S 5 3/8 S
2700	10.27.	00 A.M.
2800	Cypress Pt	S E 1/4 S
2900	Si Ho	E 7/8 N
3000	10.43 to 44.	
3100	Cypress Pt	S E 1/8 S
3200	Light House	E N E 3/4 E
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 4535* Date *May 28, 1904*

Sigsbee Machine. Reel.

Turns *66* Cor. + *5* Depth *71 fms*

Shot or lead *36 lbs*

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *55°* Surface *57°* Drift

Trawl or dredge *8 BK Albs*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.47.00</i>	<i>10.49.00</i>	0	<i>10.47.00</i>	<i>11.16.00</i>
		100	<i>10.51.00</i>	<i>11.11.00</i>
		200	<i>Time of 20 m.</i>	
		300	<i>Trawl up with lashings of net chafed off on one side</i>	
<i>10.49.00-66+5=71 fms</i>		400		
<i>10.51.00-64+5=69 "</i>		500		
<i>10.53.00-61+5=66 "</i>		600		
<i>10.55.00-61+5=66 "</i>		700		
<i>10.57.00-60+5=65 "</i>		800		
<i>10.59.00-59+5=64 "</i>		900		
<i>11.00.20-56+4=60 "</i>		1000		
<i>11.03.00-56+4=60 "</i>		1100		
<i>11.04.00-55+4=59 "</i>		1200		
<i>11.06.00-55+4=59 "</i>		1300	<i>Genl Character of Bottom</i>	
<i>11.08.00-54+4=58 "</i>		1400		
<i>11.09.00-54+4=58 "</i>		1500	<i>"Hard Sandy Bottom"</i>	
<i>11.10.00-53+4=57 "</i>		1600		
<i>11.12.00-50+4=54 "</i>		1700	<i>"very fair haul" though</i>	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Dr Course	2500	10.47.00 to 10.49.00
SE 1/2 E	2600	Cypress Pt SE 1/2 S
Bar 30.09 "	2700	Li Ho SE 1/2 E
Thatt 60°	2800	11.05.00 A1
rest as	2900	Li Ho NE 1/2 E 7/8 E
before	3000	Cypress Pt SE 3/4 S
	3100	11.12.00 am
	3200	Light Ho NE 1/2 E 7/8 E
	3300	Cypress Pt SE 3/4 E
"C - 1/2" 11.06	3400	
	3500	
	3600	
	3700	
	3800	
ahead at 11.17	3900	
Course NE	4000	

by standard for Point Pinos Light on return to Monterey

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. 4536* Date *31 May 04.*
Sigsbee Machine. Reel. *Navy.*
 Turns *938* Cor. + *68* Depth *1006* fms.
 Shot or lead *35 lb* (vertical cast)
 Bottom *M.S.*
 Bottom temperature *Rec / Inter Sigs*
 No. of thermometer *98246* Cor.
 Corrected temperature
 Air *67°* Surface *58°* Drift

Trawl or dredge *8' Bl-Alk., Pertr. gny, Sinker, 2 wts., 2 fts.*

Am. SOUNDING WIRE.		TURNS.	Am. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.56.00</i>	<i>9.15.45</i>	0	<i>9.11.45</i>	<i>10.50.20</i>
		100	<i>9.15.55</i>	<i>47.10</i>
		200	<i>19.00</i>	<i>44.50</i>
	<i>Inter. Sigs.</i>	300	<i>21.55</i>	<i>42.00</i>
<i>9.55. -</i>	<i>1011 fms</i>	400	<i>25.10</i>	<i>39.10</i>
<i>10.20. -</i>	<i>1041. " B. Temp</i>	<i>385</i>	<i>27.10</i>	<i>35.25</i>
		600	<i>29.30</i>	<i>32.10</i>
		700	<i>32.21</i>	<i>29.20</i>
		800	<i>35.10</i>	<i>25.30</i>
		900	<i>37.55</i>	<i>21.50</i>
		1000	<i>40.00</i>	<i>17.50</i>
		1100	<i>42.10</i>	<i>14.30</i>
		1200	<i>45.45</i>	<i>11.30</i>
		1300	<i>7. 47.30</i>	<i>10.05.30</i>
		1400	<i>= 18 min.</i>	
		1500	<i>Geol. character of Bottom: hard sandy bottom; slight catch.</i>	
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
Dr. Course, SE 1/4 E - S	3000	Position: 9.02.
Fair, hazy horizon, (L)	3100	Approx. Pt. SE x E 1/2 E
Calm.	3200	Lt. Ho. - E 3/4 S.
Smooth Sea	3300	9.33.
Bar. 30.12	3400	Approx. Pt. SE x E.
Ther. at. 67°	3500	Lt. Ho. - E 5/8 S.
Groceries & 8 mb. birds	3600	9.55
C. 2; 3 1/2; 4; 5	3700	Cypress - SE x E 1/2 E
	3800	Lt. Ho. - E 1/2 S
	3900	Approx. Pt. - SE x E 1/4 E. 10.32.
3609 - 142	4000	Lt. Ho. - E 1/4 S

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	10.50 9.12			
50	1.38			
100	1.40			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

H.W.R.

No. *Dr. 4527* Date *31 May 1904*

Sigsbee Machine. Reel. *1 Navy*

Turns *990* Cor. + *72* Depth *1062 fms.*

Shot ~~on lead~~ *35 lb*

Bottom *had S & M*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *60* Surface *59* Drift *—*

Trawl or dredge *10' Blake, accessories as before*

Am. SOUNDING WIRE.		TURNS.	Am. DREDGE ROPE.	
DOWN.	UP.		DOWN.	P.M. UP.
<i>11.22.20</i>		0	<i>10.52.00</i>	<i>12.47.50</i>
		100	<i>11.00.50</i>	<i>44.00</i> <i>3 30</i>
		200	<i>03.40</i>	<i>40.30</i> <i>3.00</i>
	<i>Inter Sigs.</i>	300	<i>07.00</i>	<i>37.30</i> <i>3.00</i>
	<i>12 m. — 861 fms</i>	400	<i>10.00</i>	<i>34.30</i> <i>3.00</i>
		500	<i>12.20</i>	<i>31.30</i> <i>3.00</i>
		600	<i>14.40</i>	<i>28.10</i> <i>3.30</i>
	<i>Heavy strain on dredge</i>	700	<i>17.20</i>	<i>24.40</i> <i>3.40</i>
	<i>ropes coming in 12.06 pm</i>	800	<i>19.40</i>	<i>21.00</i> <i>4.00</i>
		900	<i>23.15</i>	<i>12. 17.00</i> <i>3 30</i>
		1000	<i>26.25</i>	<i>12. 13.30</i> <i>4.30</i>
		1100	<i>28.50</i>	<i>12. 09.00</i> <i>4.20</i>
		1200	<i>31.25</i>	<i>12. 04.40</i> <i>5.40</i>
		1300	<i>35.15</i>	<i>11. 59.00</i> <i>6.00</i>
		1350.	<i>11. 38.40</i>	<i>11.56.00</i>
		1400		
		1500		<i>18 min.</i>
		1600		
		1700		<i>Genl Character of Bottom</i>
		1800		<i>"Very good haul"</i>
		1900		<i>"good bottom"</i>
		2000		
		2100		
		2200		
		2300		
		2400		

12.50 pm. at end of haul put compassing watch 5 minutes ahead

	2500	
	2600	
	2700	
	2800	Position:
	2900	11.06 a.
Dr. Combs, SSE.	3000	Approx. Pt. SE x E $\frac{3}{8}$ E
Fair, hazy horizon no land	3100	Lt. Ho. East $\frac{1}{8}$ N
Lt. breeze, W.S.W. to gth fr.	3200	11.34
Smooth sea.	3300	Approx. Pt. SE x E $\frac{1}{2}$ E
Rmr. 20.12	3400	Lt. Ho. E $\frac{1}{4}$ N.
Therm. at 63°	3500	11.50
Jovius.	3600	Approx. Pt. SE x E $\frac{5}{8}$ E.
11.32, C = 3.	3700	Lt. Ho. - E $\frac{1}{2}$ N.
11.47, C = 4, 4 $\frac{1}{2}$, 5;	3800	12.04 pm
	3900	Approx. Pt. SE x E $\frac{7}{8}$ E
	4000	Light Ho. E $\frac{1}{4}$ N

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 4538*

Date *May 31 1904*

Sigsbee Machine. Reel. *Navy Type #1*

Turns *210* Cor. + *61* Depth *871* Fms

Shot or lead *35 lbs Sinker (Ellipsoidal)*

Bottom *see second or terminal sounding*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *58°* Surface *59°* Drift

Trawl or dredge *8' BLAB 2 1/4' ...*

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	P. M.	UP.		DOWN.	P. M.	UP.
<i>1.29.00</i>	<i>✓</i>	<i>1.35.00</i>	0	<i>1.23.00</i>	<i>3.08.00</i>	
			100	<i>1.26.30</i>	<i>03.50</i>	
			200	<i>29.30</i>	<i>3.00.20</i>	
			300	<i>32.30</i>	<i>56.50</i>	
			400	<i>35.20</i>	<i>54.10</i>	
			500	<i>38.00</i>	<i>51.00</i>	
			600	<i>40.40</i>	<i>47.50</i>	
			700	<i>1.44.00</i>	<i>2.44.00</i>	
			800	<i>46.25</i>	<i>40.30</i>	
			900	<i>49.00</i>	<i>36.20</i>	
			1000	<i>53.40</i>	<i>2.31.10</i>	
			1100	<i>58.30</i>	<i>not given</i>	
			1125	<i>1.59.00</i>	<i>2.24.10</i>	
			1300	<i>time 25 m 10 sec</i>		
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

Interim Soundings
1.54.00 - 84 fms = 907 fms
wire trailing at 45°
at an incline of about 45°
not shot, but lead sinker
2.32.732 + 54 = 795 fms
lt gy S & R
3.08 let out to 500 fms
hoor in again, all in
again at 3.18 - ahead
to New Position 4539

Good Character of Bottom
"Very good bottom"
"no mud,"
"rather hard"

Bearings etc

1. 23 P.M.

Dred Course South	2500	Cypress Pt	SE 1/2 E
(Ship Head S W 1/4 S 1/2 S)	2600	Li House	ENE 1/8 S
Bar 30.12"	2700	1. 49.00 pm	
Thatt 60.5°	2800	Cypress Point	ESE
Wind WNW, force 3-4	2900	Li House	ENE 1/4 E
Weather pleasant, cloudy horizon	3000	2. 12.00 am	
Sea smooth from WNW	3100	Cypress Point	ESE 3/8 E
Boonies etc, school of whales	3200	Li House	NE 1/2 E
weather overcast 3.00 pm	3300	2. 44.00 P.M.	
C - 4 1/4 at 2.07	3400	Cypress Point	ESE 3/8 E
	3500	Li House	NE 1/2 E
	3600	3. 07. 20	
	3700	Cypress Point	E 7/8 S
	3800	Light Ho	NE 1/8 E
	3900	3. 20 pm by Sextant	
	4000	Cypress Point	E 1/2 S

End of line

271
290
1161 Dodge scope

SERIAL TEMPERATURES.

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

REMARKS:

W. R. Ark. -

No. 4539 Date May 31 1904

Sigsbee Machine. Reel.

Turns 564 Cor. + 45 Depth 609 fms

Shot or lead 36 lbs Lead

Bottom hard S. M.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 58° Surface 58° Drift

Trawl or dredge 10' Blake? with 2 floats, pres. guy

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.32.30	3.39.00	0	3.25.30	4.20.01
		100	3.30.00	16.50
<u>Returned Soundings.</u>		200	33.00	
3.45. - 480	+38 = 518 fms	300	36.00	10.20
3.50 - 492	+33 = 465	400	39.00	07.05
4.05 - 430	+35 = 465	500	41.50	4.02.45
		600	3.44.20	10.
		620	3.45.00	4.00.00
		700		
		800	time out 15 min	
		900		
		1000	Gul. character	
		1100	of Bottom:	
		1200		
		1300	hard bottom; small	
		1400	catch: few jelly fishes.	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Bearings etc

P.M. 3.26.00

Dr. Course	2500	
South	2600	Approx Point E 1/2 S
Bar 30.11"	2700	Li Hoou NE 1/8 E
Thatt) us log	2800	pm 3.53.00
Wind increasing	2900	Cypress Point E 3/8 N
Weather as before	3000	Li Ho NE 3/8 N
Sea	3100	
	3200	4.7
	3300	Approx Pt E 3/4 N.
"C - 2 1/2" at 3.48 pm	3400	Li Ho. NE 3/4 N.
	3500	
	3600	
	3700	
	3800	NE 1/2 E
	3900	
	4000	613

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	56.09			
50	45.0			
100	31.79			
200				
300	43.0			
400	31.0			
500	46.5			
600				
700				
800				
900				
1000				

REMARKS:

H.W.R.

Put comparing watch 19 m. back at 8.55 am

No. *Dr 4540* Date *June 1, 1904*

Sigsbee Machine. Reel. *good up & down cast*

Turns *510* Cor. + *41* Depth *551*

Shot or lead *35 lbs Shot*

Bottom *gn M* 551 fms

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *64°* Surface *57°* Drift

Trawl or dredge *10' Blake 20' 5" 12' Plating, Perimeter 30'*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN. A.	M. UP.		DOWN. A.	M. UP.
9.04.00 ✓	9.13.00	0	9.05.30	10.20.00
		100	10.00	15.50
		200	13.10	12.40
<i>Interim Soundings</i>		300	16.10	09.30
9.37.489 + 39 = 528 fms		400	18.55	06.00
<i>used 36 lb lead</i>		500	21.50	10.02.00
9.42 - 560 + 29 = 529 fms		600	not given	9.57.30
10.05 - 324 + 26 = 350 "		700	not given	53.00
		800	31.00	48.00
		900	34.00	9.43.00
		965	37.00	
		1000		
		1100	time out	from 9.28.30
		1200	to 9.43	= 14 1/2 m.
		1300	9.38 hove in	to 865
		1400	9.42 "	" 660
		1500	Kept on heaving in	
		1600		
		1700	"Very good haul"	
		1800	"fertile bottom"	
		1900		
		2000		
		2100	Genl Character of Bottom	
		2200		
		2300		
		2400		

Paid out to 965, when upon finding very shallow water began to heave in and upon getting a still shallower sounding close inquiry developed a mistake in the initial sounding, which should have been reported as 510 and not as 910 turns - correction made accordingly

Log 50.1 at 8.52 hauled in

Bearings to determine positions (Went)

Dredg Course E by S	2500	9.00.30	
	2600	Cypress Point	SE 1/4 S
	2700	Li Ho River	SE 1/4 E
Bar 30.21	2800	9.15.00 A.M.	
Thatt 60°	2900	Bay	ESE 1/4 E
West, fresh	3000	Li Ho	SE 1/4 E 3/8 E
Smooth, long gentle swell from W-NW-	3100	Li Cypress	SE
Clear, cloudy horizon Gulls & terns	3200	9.21.50 A.M.	
	3300	Li Ho	SE 1/4 E 3/8 E
	3400	Point Cypress	SE
	3500	10.00 A.M.	
	3600	Cypress Point	SE 3/8 S
	3700	Li Ho	SE 1/4 E 3/8 E
	3800	10.16.00 A.M.	
	3900	Li Ho	SE 1/4 E
	4000	Cypress Point	SE 1/2 S

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 4541* Date *June 1st 1904**Sigsbee* Machine. Reel.Turns *353* Cor. + *28* Depth *381 fms*Shot or lead *36 lb lead*Bottom *gn. M.S.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *in ship* Surface *57°* DriftTrawl or dredge *10' Blake and same fittings as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	A. M. UP.		DOWN.	A. M. UP.
<i>10.28.00</i>	<i>10.34.00</i>	0	<i>10.28.00</i>	<i>11.46.30</i>
		100	<i>10.32.00</i>	<i>41.50</i>
		200	<i>10.35.00</i>	<i>11.39.00</i>
<i>10.50 = 469 + 37 = 506 fms</i>		300	<i>37.45</i>	<i>11.36.00</i>
<i>11.02 = 579 + 46 = 625 "</i>		400	<i>40.50</i>	<i>11.33.10</i>
<i>11.19 = 586 + 47 = 633 "</i>		500	<i>44.00</i>	<i>11.30.10</i>
<i>11.36 = 543 + 43 = 586 "</i>		600		<i>11.27.00</i>
		650 700	10.55.30	
		800	paid out again	
<i>at 10.50 plucked out to 650 fms</i>		900	11.00	<i>11.24.30</i>
		1000	11.03	<i>11.21.00</i>
<i>at 10.05 plucked out to 800 fms</i>		1100	11.12	<i>11.19.00</i>
		1200		
		1300		
<i>at 11.10 plucked out to 850 fms</i>		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

General Character of Bottom

"Good haul"

		10.31.00 am.	
D. Course		2500	Cypress Point S ⁸⁵ 1/4 S
E 6 S		2600	Light House S ⁸⁵ 1/4 E
Bar 2.00		2700	A.M. 10.47.00
Th att 1 Log		2800	Cypress Point S ⁸⁵ 7/8 E
Pressure, hazy horizon		2900	Light House S ⁸⁵ 1/4 E
Smooth sea, light breeze		3000	A.M. 11.07.00
Small foam W.N.W.		3100	Cypress Point S ⁸⁵ 3/8 E
Yoonish gulls		3200	Light House S ⁸⁵ 1/2 E
Light air light		3300	11.37.00
		3400	Tank NNE 1/2 E
"C- 3 1/2" at 10.58 am."		3500	Light House S ⁸⁵ 1/4 E
"C- 4" at 11.15 am."		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
Frump

No. *Dr. 4542* Date *1 June 1904.*
Sigsbee Machine. Reel. *1 Navy.*
 Turns *627* Cor. + *50* Depth *677* fms.

~~Shot or lead~~ *35x*
 Bottom *hard M.*

Bottom temperature *—*
 No. of thermometer *—* Cor. *—*

Corrected temperature *—*
 Air *60°* Surface *59°* Drift *—*

Trawl or dredge *9' Tur.; accessories as before.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.15.00</i>	<i>—</i>	<i>0</i>	<i>1.07.10</i>	<i>2.17.00</i>
		<i>100</i>	<i>10.40</i>	<i>15.40</i>
		<i>200</i>	<i>13.55</i>	<i>10.20</i>
		<i>300</i>	<i>17.10</i>	<i>07.00</i>
<i>Inter. Sdgs.</i>		<i>400</i>	<i>20.00</i>	<i>03.40</i>
<i>1.32</i>	<i>456</i> ✓	<i>500</i>	<i>23.00</i>	<i>2.02.00</i>
<i>1.42</i>	<i>409</i>	<i>550</i>	<i>26.20</i>	<i>58.00</i>
<i>1.52</i>	<i>419</i>	<i>600</i>	<i>30.00</i>	<i>52.00</i>
<i>2.00</i>	<i>331</i> ✓	<i>650</i>	<i>32.00</i>	<i>37.00</i>
<i>1.07</i>	<i>236</i>	<i>700</i>	<i>37.00</i>	<i>31.00</i>
		<i>750</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>	<i>Trailing from 1.30 to</i>	
		<i>1100</i>	<i>1.58 = 28 min.</i>	
		<i>1200</i>		
		<i>1300</i>	<i>Genl. character</i>	
		<i>1400</i>	<i>of</i>	
		<i>1500</i>	<i>Bottom</i>	
		<i>1600</i>	<i>hard bottom, red</i>	
		<i>1700</i>	<i>hard.</i>	
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

		2500	
		2600	
		2700	
		2800	
Dr. Course, Ex 2, SxS.		2900	Position:
Fair, hazy over land.		3000	1.13.10
Lt. breeze from west.		3100	Tank: NNE 5/8 E
Smooth Sea.		3200	Lt Ho: SE 1/2 E
Bar. 30.22		3300	Bay: SE x E 1/2 E
Therm. att. 64.4°		3400	Approx pt SSE 3/8 E.
Gonies, wheels		3500	
C = 3; 3/2		3600	1.08
		3700	Lt Ho. - SE 1/4 E
		3800	Bay - E.S.E.
		3900	Tank - NNE.
		4000	

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SERIAL TEMPERATURES.

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

REMARKS:

507
 1711

No. *Dr. 4543* Date *1 June.*

Sigsbee Machine. Reel. *No. 1 Navy.*

Turns *109* Cor. *+* *9* Depth *118 fms.*

Shot or lead *35 lb* *93 fms*

Bottom *h.s.; rky.*

Bottom temperature *-*

No. of thermometer *-* Cor. *-*

Corrected temperature *-*

Air *-* Surface *-* Drift *-*

Trawl or dredge *9' Tr. as before.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.22			2.22	3.35.00
		50		3.31.00
		90		3.27.00
		100		3.27.00
		150		3.27.00
		200		3.27.00
<i>inter. 2 hrs.</i>				
<i>2.26</i>	<i>93 fms.</i>	300	<i>From 2.27 to</i>	
<i>2.30</i>	<i>82 "</i>	400	<i>3.29 -</i>	
<i>2.32</i>	<i>75 "</i>	500	<i>= 1 hr. 2 min</i>	
<i>2.33</i>	<i>75 "</i>	600		
<i>2.39</i>	<i>70 "</i>	700		
<i>2.40</i>	<i>60 "</i>	800		
<i>2.57</i>	<i>60 "</i>	900		
<i>3.09</i>	<i>60 "</i>	1000		
<i>3.17</i>	<i>59 "</i>	1100		
<i>3.29</i>	<i>53 ✓</i>	1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

At 3.27 heavy strain on accumulator. Net wrecked.

Genl. character of Bottom: fair haul; hard bottom, rky

Dr. course E x S.
 Fair, hazy over land
 Gentle breeze from W.
 Smooth Sea.
 Bar.
 Therm.
 C = 2 1/2

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

Position:
 2.24.00

Tank - N x E 7/8 E
 Bay - ESE 1/8 E
 Lt Ho - SE 3/8 S

2.52

Lt. Ho. - SE x S.
 Bay - SE x E 7/8 E
 Tank - N x E 3/8 E

3:06.55

Lt Ho - SdH - 19° 28'
 w SdH - Bay - 19° 54'
 c. Bay - Sd. - 55° 56'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			Lt Ho - SdH -	3.09.56 20° 00'
50			SdH - Bay -	19° 55'
100			Bay - Mro -	76° 03'
200				3.35.00
300			Lt. Ho - SdH -	21° 34'
400			SdH - Bay -	20° 24'
500			Bay - Tank -	102° 44'
600				2.19.25
700				22° 13'
800				20° 39'
900			7 Bay - Ad. -	114° 57'
1000			Lt Ho. -	SSE 3.38
			Bay -	SE x E 3/4 E

for angle book

REMARKS:

H.V.R.

No. *Dr 4544* Date *June 7, 1904.*

Sigsbee Machine. Reel. *Navy Type #1*

Turns *671* Cor. + *53* Depth *724 fms*

Shot or lead *36 lbs lead* *not much of an angle (?)*

Bottom *in Laboratory*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *63°* Surface *59°* Drift

Trawl or dredge *9' Trawl, 2 fms, preventer guy*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.49.00</i>	<i>11.00.00</i>	0	<i>9.53.00</i>	<i>11.36.40</i>
<i>9.55 =</i>	<i>=</i>	100	<i>6.30</i>	<i>11.32.50</i>
<i>Subsequent soundings</i>		200	<i>9.30</i>	<i>11.29.30</i>
<i>10.25 - 910 + 67 = 977 fms</i>		300	<i>10.02.30</i>	<i>11.25.45</i>
<i>wire leading 40° to wind</i>		400	<i>2.50</i>	<i>3.35</i>
<i>- lead 3 fms above</i>		500	<i>5.00</i>	<i>11.22.10</i>
<i>Start beam</i>		600	<i>3.10</i>	<i>3.40</i>
<i>10.57 - 1040 + 95 = 1115</i>		700	<i>8.10</i>	<i>11.18.50</i>
<i>quite far angle to</i>		800	<i>2.40</i>	<i>3.50</i>
<i>windward (40°)</i>		900	<i>10.50</i>	<i>11.15.00</i>
<i>W.S.</i>		1000	<i>3.20</i>	<i>4.20</i>
		1100	<i>14.10</i>	<i>11.10.40</i>
		1200	<i>17.35</i>	<i>11.07.30</i>
		1250	<i>10.21.00</i>	<i>11.03.30</i>
		1300	<i>27.10</i>	<i>11.00.00</i>
		1400	<i>29.10</i>	<i>11.56.50</i>
		1500	<i>33.40</i>	<i>11.53.20</i>
<i>at 10.25, damped</i>		1600	<i>10.35</i>	<i>10.51.00</i>
<i>out to 1250 fms</i>		1700	<i>Trawling time 30 min</i>	
		1800	<i>General Character of Bottom</i>	
		1900	<i>not much in the</i>	
		2000	<i>trawl, very little</i>	
		2100	<i>sand on the</i>	
		2200	<i>weights and runners</i>	
		2300	<i>scant catch</i>	
		2400		

Est'd to be approximately 1,000 fms.

Pat Log 63.3 at 9, 35

Dense Fog prevails
at 9.40, everything
observed at 100 yds
distance

Dr Course	2500
SE 1/2 E	2600
Bow 30.20 - 30.17"	2700
Heath 60°	2800
Wind W 5-6 Gale	2900
Med. swell from W ^E	3000
Dense Fog, blowing from S ^W	3100
Ship's Head S 1/2 W	3200
Fog gone	3300
Wind 10.52 increasing	3400
changing to WNW	3500
"	3600
" C - 2 1/2" at 10.21	3700
" C - 3 1/2" 10.35"	3800
" C - 3 3/4" 10.37"	3900
" C - 4 1/4" 10.46"	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 4545* Date *June 2 1904*

Sigsbee Machine. Reel. *Navy Type #1*

Turns *1049* Cor. + *75* Depth *1124 fms.*

Shot or lead *35 lb* = *(900 fms)*

Bottom *hard bottom S.M.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *57* Surface *58* Drift

Trawl or dredge *8' Blk-Alb, accessories as before*

SOUNDING WIRE.

DOWN. UP. TURNS.

12.55.00 *1.20.2* 0
1-08 = *(?)* 100
Interm Soundings 200
1.53. - *1114 fms* 300
(= 875 fms) 400
2.25 - *(700 fms)* 500

DREDGE ROPE.

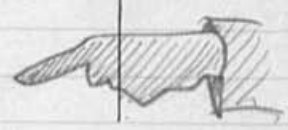
DOWN. UP.

1.10.10 *3.14.00*
13.30 *10.25*
17.00 *07.30*
20.00 *3.04.30*
22.40 *-*
25.40 *57.30*
28.10 *54.30*
31.25 *50.30*
34.30 *46.00*
37.50 *42.00*
41.05 *38.00*
44.00 *34.10*
47.30 *30.00*
- *26.00*
1.53.10 *2.22.00*
29 min.

*Blowing a moderate
 and increasing gale, wind tending in
 large angle; estimated
 depths in parenthesis*

*All soundings on
 this station are
 much estimated: gale
 from beam caused wire
 to tend in large angle.
 Positions very uncertain
 on account of fog.*

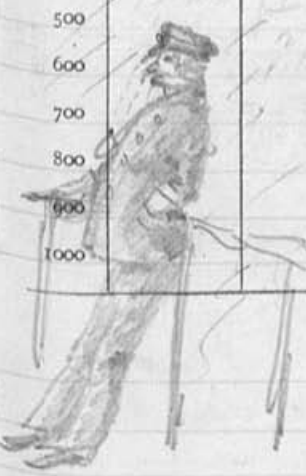
*Gen. character
 of Bottom:
 hard bottom, very
 small catch.*



	2500	
	2600	
	2700	
	2800	
Dr. Conner S.W. is W.	2900	Position, 1.45
Overcast and heavy fog.	3000	Cypress Pt. - SE E 1/2 E
Moderate gales N.W.	3100	1.50
Moderate swell.	3200	Lt Ho Pt - E 3/4 S
Bar. 30.16	3300	2.22
Therm. alt. 61	3400	Lt. Ho. - E 3/4 N
Gonies about ship,	3500	Cypress Pt ESE
and sub. birds passing	3600	Lt Ho - E 7/8 N
by.	3700	Cypress - ESE
C = 4/12.	3800	
	3900	
	4000	all bearings very

3609-143 SERIAL TEMPERATURES. 143 doubtful w/c fog.

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



REMARKS:

(3.15 obs)

ESE 1/2 E
ESE 1/2 E

3111 R

No. *Dx 4546* Date *June 3 1904*
Sigsbee Machine. Reel. *Sigsbee Type 91*

Turns *789* Cor. + *60* ^{spiral down} Depth *849* fms, *good*

Shot or lead *36 lbs*

Bottom *fine bk S*

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air *60°* Surface *56°* Drift _____

Trawl or dredge *8' Blue Globe with fittings as at Dx 4538.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	A. M. UP.		DOWN.	A. M. UP.
<i>8.34.00</i>	<i>8.54.00</i>	0	<i>8.47.00</i>	<i>10.31.00</i>
<i>2.43.00</i>		100	<i>51.00</i>	<i>26.30</i>
		200	<i>54.00</i>	<i>10 22.50</i>
<i>Subsquares Soundings</i>		300	<i>57.00</i>	<i>20.00</i>
<i>9.17.30</i>		400	<i>59.50</i>	<i>16.10</i>
<i>798 turns + 60 = 858 fms</i>		500	<i>9.03.10</i>	<i>12.30</i>
<i>wire landing at slightly</i>		600	<i>06.10</i>	<i>09.30</i>
		700	<i>09.10</i>	<i>06.00</i>
<i>at 9.46 accumulator</i>		800	<i>12.15</i>	<i>10.01.30</i>
<i>showed a heavy</i>		900	<i>15.10</i>	<i>57.00</i>
<i>strain - began very</i>		1000	<i>18.00</i>	<i>52.10</i>
<i>slowly to break in</i>		1100	<i>9.22.30</i>	<i>9.46.00</i>
		1110		
		1200	<i>Trawled 3 1/2 mi.</i>	
		1300	<i>in a heavy head sea</i>	
		1400		
		1500	<i>Discontinued</i>	
		1600	<i>work, too heavy</i>	
		1700	<i>a sea running</i>	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

General Character of Bottom
Rocky bottom
Not badly torn
Few specimens
adhering to
meshes apart

all bearings obscured by mist & fog banks.

<i>Dr Course West</i>	2500		
	2600		
	2700		
<i>Bar 29.99 at 8.30</i>	2800		
<i>Therm at 58.8°</i>	2900		
<i>Wind WNW, force 5 to 7</i>	3000		
<i>Weather Rainy, foggy, foggy</i>	3100		
<i>Rough swell from WNW</i>	3200		
<i>" " " " "</i>	3300		
<i>Vegetation low</i>	3400		
<i>Yacht of the birds</i>	3500		
<i>10.54 (31) 5.10 (10) WNW</i>			
<i>C 3 1/2 at 9.27</i>	3600		
<i>C 4 1/2 " 9.31</i>	3700		
<i>C 5 1/4 " 9.43</i>	3800		
<i>C 8 " at 9.46</i>	3900		
	4000		

SERIAL TEMPERATURES.

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

*Obsd at 10.31
course E.S.E. for
Monterey*

REMARKS:

1071
Frank
 No.

No. *Dr. 4547*. Date *6 June, 1904*.
Sigsbee Machine. Reel. *A Navy*.

Turns *1010* Cor. + *73* Depth *1083 fms.*

Shot or lead *35 1/2*

Bottom *sft. M.*

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air *61°* Surface *52°* Drift

Trawl or dredge *10' Blake, brack. gny, 2 fts., Sinkor, 3 vts.*

Am. SOUNDING WIRE.

DOWN.	UP.
<i>9.30.00</i>	✓
—	
<i>Inter. Sigs.</i>	
—	

TURNS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1350
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

Am. DREDGE ROPE.

DOWN.	UP.
<i>9.32.00</i>	<i>11.35.00</i>
<i>37.30</i>	<i>32.00</i>
<i>41.45</i>	<i>29.00</i>
—	<i>26.00</i>
<i>47.30</i>	<i>23.00</i>
<i>51.30</i>	<i>19.30</i>
<i>55.30</i>	<i>16.00</i>
<i>57.00</i>	<i>13.20</i>
<i>10.02.50</i>	<i>10.30</i>
<i>07.20</i>	<i>07.30</i>
<i>11.50</i>	<i>11.02.15</i>
<i>17.00</i>	<i>58.30</i>
<i>22.50</i>	<i>53.30</i>
<i>27.20</i>	<i>49.00</i>
<i>10.30.00</i>	<i>10.46.00</i>
<i>Heavy strain, ca 7 1/2.</i>	
<i>at 10.32 broke in 10 fms.</i>	
<i>at 10.39 started out 25 fms.</i>	
<i>Trawling 16 min</i>	
<i>Gen. character of bottom:</i>	



Net wrecked.

	2500	
	2600	
	2700	
	2800	
	2900	
Dr. course, yr. by N.	3000	Position: 9.21
Clear; hazy horizon.	3100	Lt Ho Pt. E 5/8 N.
Fresh breeze from N.W.	3200	Cypress Pt. E by S.
Moderate breeze, rough sea	3300	
Bur. 30.05	3400	
Therm. at. 62.	3500	
A few gulls around;	3600	
collecting to great	3700	
numbers.	3800	
	3900	
x) wind increasing in force	4000	1111
and from N.W. - N.E.		

C = 7/4;

SERIAL TEMPERATURES.

+ 7/3 = 1411
+ 7/4 = 1341

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.09	143.		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

H.W.R. To locate Portuguese Sledge

No. *Dr 4548* Date *June 7th 1904*

Tanner Machine. Reel.

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

Shot or lead *26 lbs*

Bottom *R*

Bottom temperature *see two sets of angles & bearings taken personally and recorded*

No. of thermometer *in next book, Cor. now in use to get from in Pilot House at 8.40 and after*

Corrected temperature

Air *66* Surface *57* Drift

~~Fracture of dredge~~ *8 tangles on frame*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	A. M. UP.		DOWN.	A. M. UP.
<i>8.37.00</i>	<i>8.38.00</i>	0	<i>8.40.00</i>	<i>9.00.00</i>
<i>Intermediate Soundings</i>		<i>50</i>	<i>42.30</i>	<i>8.58.00</i>
<i>8.39.00</i>	<i>47+1 = 48'</i>	<i>75</i>	<i>8.45.00</i>	
<i>water on ledge</i>		<i>90 fms</i>	<i>8.47.30</i>	<i>8.56.30</i>
<i>As in six fms "</i>		400		
<i>8.48.00</i>	<i>51+1 = 52 fms</i>	600	<i>time 11 1/2 m.</i>	
<i>8.50.00</i>	<i>53+1 = 54 "</i>	700	<i>a number of hand lines used</i>	
<i>8.53.30</i>	<i>53+1 = 54 "</i>	800		
<i>8.55.30</i>	<i>52+1 = 53 "</i>	900		
<i>8.58.00</i>	<i>53+1 = 54 "</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Boat manned with Monterey fishing boat pilot Mex, Silva on board to locate bank Pilot men in boat using several hand sledge lines for this purpose

in Monterey Bay

Bearings & Angles in next
Record Book from 8. 39 am.
being plotted in Pilot House

Dr Course

West

Bar } are
The all } Record
other } book
remarks } No. 9

Dr 4548 follows upon
Hy 4499 in next book

