

#9. California Coast.

#1. Eastern Pacific.

D^r 4549 to D^r 4622. (?)

Hy. 4804 to Hy.

June 7th to Oct^r 21st 1904



56, 9

Dr ° 4549

Say ° ~~4499~~
4804

~~4500~~

next Ny — 4501

U° / — 1904-05.

#9

next Hydr 4499.

	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:

2011 R. To Locate Portuguese Sledge

No. Hy ~~4499~~ 4604 Date June 7th 1904
 Tanner Machine. Reel.
 Turns 50 Cor. + 1 Depth 51
 Shot or lead 26 lb lead
 Bottom R
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air 66° Surface 57° Drift
 Trawl or dredge Triangular Trawl 8 fathoms

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.10.00	8.11.00	0		
		100		
		200		
8.13.50	47+1 = 48	300		
8.14.00	46+1 = 47	400		
8.15.00	46+1 = 47	500		
8.16.00	47	600		
		700		
8.28.50	48	800		
8.31.15	45+1 = 46	900		
8.34.45	45+1 = 46	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Dredging in connection with following this Hypothesis is recorded in book #8

"Hypothesis"
 "Portuguese Sledge"
 "45 fms"
 (C. L. H. G.)

4604
 Hy # 4499 was taken before the preceding Dr 4548. This apparent transposition of numbers

was caused by the necessity of plotting Hy 4499 at the time Dr 4548 was being recorded. Recordbook #8 being used as a Pulitzer Recordbook on its last page, while #7 was used in the Pilot House.

in Monterey Bay

Angles & Bearings Station

Dr Course: W at 8.10
West

2500

a.w. 8.10.00

2600

to locate

2700

Portuguese Ledge in
Monterey Bay.
used by fishermen in
Rock Cod Fishing

2800

2900

3000

3100
3200
3300

8.10.00 A.M.

26° 40' 00"

Li Ho to M... S 1/2 W 1/8 W

Second Series

3400

First series

3500

Li Ho to M... 27° 02' 00"

3600

Li Ho to M... S W

3700

8.12.50

3800

Li Ho to M... 27° 23' 00"

3900

Li Ho to M... S 1/2 W 1/8 W

4000

The Center of ledge bears

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
A.M. 25	8.28	50	✓	8.14.00
Li Ho to M... 50	26° 34'			Li Ho to M... 27° 34' 00"
Li Ho to M... 100	S 1/2 W			Li Ho to M... S 1/2 W 1/8 W
A.M. 200	8.29	40		
M... 300	45 fms depth			
Li Ho to M... 400	27° 02'			
Li Ho to M... 500	S 1/2 W			
600	8.31	27		
Li Ho to M... 700	27° 20'			
Li Ho to M... 800	S 1/2 W 1/8 W			
A.M. 900	8.32	32.00		
Li Ho to M... 1000	27° 26'			

REMARKS:

45 fms 8.33.10 A.M.
Li Ho to M... 27° 35'
Li Ho to M... S 1/2 W 1/8 W
A.M. 8.34.00
45 fms 27° 40' Li Ho to M...
S 1/2 W 1/8 W bearing of Point Pinos 2 1/2

W. R.

No. *Dr 4549* Date *Jan 7-1902*

Trawl Machine. Reel.

Turns *53* Cor. + *2* Depth *55 fms*

Shot or lead *26 lbs*

Bottom *R*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *see log* Surface Drift

Trawl or dredge *Stoughton frame and mud bag*

SOUNDING WIRE.

DOWN. *A. M.* UP.

TURNS.

DREDGE ROPE.

DOWN. *all* UP.

<i>9.01.30</i>	<i>9.03.00</i>	<i>0</i>	<i>9.02.00</i>	<i>9.18.00</i>
<i>Interm. Selg.</i>		700	<i>9.07.00</i>	<i>9.15.00</i>
<i>9.05.00</i>	<i>61+1 = 62</i>	<i>300</i>	<i>time 8 m</i>	
<i>9.08.00</i>	<i>56+1 = 57</i>	<i>400</i>		
<i>9.12.00</i>	<i>57+1 = 58</i>	<i>500</i>		
<i>9-15-00 =</i>	<i>56+1 = 57</i>	<i>600</i>		
<i>9.18.00</i>	<i>54+1 = 55</i>	<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

AM 9.02.30

West.

Bar } as
Kath }
Wind }
Weather }

and
Eudora
Hart

2500	✓	Si. 9 to 10 fms	25° 26'
2600	✓	Si. 10 to 11 fms	25° 26'
2700	✓	Si. 11 to 12 fms	25° 26'
2800	✓	Si. 12 to 13 fms	25° 26'
2900	✓	Si. 13 to 14 fms	25° 26'
3000	✓	Si. 14 to 15 fms	25° 26'
3100	✓	Si. 15 to 16 fms	25° 26'
3200	✓	Si. 16 to 17 fms	25° 26'
3300	✓	Si. 17 to 18 fms	25° 26'
3400	✓	Si. 18 to 19 fms	25° 26'
3500	✓	Si. 19 to 20 fms	25° 26'
3600	✓	Si. 20 to 21 fms	25° 26'
3700	✓	Si. 21 to 22 fms	25° 26'
3800	✓	Si. 22 to 23 fms	25° 26'
3900	✓	Si. 23 to 24 fms	25° 26'
4000	✓	Si. 24 to 25 fms	25° 26'

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 4550*

Date

June 7. 1904

Tanner

Machine.

Reel.

Turns *49* Cor. + *1*Depth *50 fms*Shot or lead *26 lbs*Bottom *R & gn M*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *see log*

Surface

Drift

Baat
Trawl or dredge *2nd 6 tangles**(6 awabs)*

SOUNDING WIRE.

DOWN. *A* *M* UP.

TURNS.

DREDGE ROPE.

DOWN. *A* *M* UP.*9.35.00* ✓ *9.37.00*

0

9.38.00 *10.02.00*

50

9.42.00

100

65

200

9.44.00 *9.58.30*

300

Time 16 1/2 hr

400

paid out 55 *55 at 47.30*

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Interim Soundings**9.37.00 46 + 1 - 47**R & S**9.40.00 46 + 1 - 47 fms**9.43.30 52 + 1 - 53 "**9.47.30 63 + 1 - 64 "**9.51.00 77 + 1 - 58 "**9.55.00 57 + 1 - 58 "**10.00.00 56 + 1 - 57 "*

to locate Italian Ledge

A.M. 9. 41. 50

Dr Course

SSE

Right Tangent

2500

Point of View to Li Ho

19° 35.00

2600

Li Ho

SSE

2700

3 A.M.

9. 47. 50

2800

Right Tangent to Li Ho

20° 50'

2900

Li Ho

SSE 1/4 E

3000

3 A.M.

9. 50. 30

3100

Right Tangent to Li Ho

21° 30'

3200

Li Ho

SSE 1/2 E

3300

To locate

3400

Italian Ledge in

3500

Monterey Bay -

3600

Monterey Bay

3700

Fishbanks Plot

3800

Mr Silva of Monterey

3900

estimates this ledge

4000

known about one mile

SERIAL TEMPERATURES

One North and South

DEPTH.	TEMP.	NO. OF THER.	COR. TEMP.
25			and to be 3/8 mile wide.
50	ahead at 10. 02. 30		
100	standard W		
200			
300			
400			Cypress to Li Ho
500			means right tangent
600			of Cypress Point to
700			Sight Ho
800			
900			
1000			

REMARKS:

H.W.R.

No. *Dr 4551* Date *June 7, 1904*

Tanner Machine. Reel.

Turns *55* Cor. + *1* Depth *56 fms*

Shot or lead *26 lbs*

Bottom *R crs S sh*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *see log* Surface *see log* Drift

Trawl or dredge and *6 tangles on tangle frame*

SOUNDING WIRE.

DOWN. *A* M. UP.

TURNS.

DREDGE ROPE.

DOWN. *A* M. UP.

<i>10.18.15</i>	<i>10.23.00</i>	<i>0</i>	<i>10.18.15</i>	<i>10.46.00</i>
<i>Antennae Sounded</i>		<i>50</i>	<i>25.30</i>	<i>10.44.00</i>
		<i>100</i>	<i>10.29.00</i>	<i>10.42.00</i>
		<i>85</i>	<i>time 13 minutes</i>	
<i>10.26.33+1 = 54 fms</i>		<i>125</i>	<i>vested 40 fms</i>	
<i>10.28.30-52+1 = 53</i>		<i>300</i>	<i>to ease up on sudden</i>	
<i>10.30.00-45+1 = 46</i>		<i>400</i>	<i>strains, and to</i>	
<i>10.43.00-43+1 = 46</i>		<i>500</i>	<i>counteract</i>	
<i>Lost lead & strong line</i>		<i>600</i>	<i>rolling effects</i>	
		<i>700</i>	<i>of ship in heavy</i>	
		<i>800</i>	<i>sea.</i>	
		<i>900</i>	<i>Had to</i>	
		<i>1000</i>	<i>discontinue</i>	
		<i>1100</i>	<i>work gave Red</i>	
		<i>1200</i>	<i>sea increasing</i>	
		<i>1300</i>	<i>in strength</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>		

Position Angles

Dr Course	2500	A.M.	10.18.15
	2600	CypR to E No	19° 57' 00"
SSE	2700	S House	SSE 1/4 E
	2800	A.M.	10.33.00
Bar & we	2900	CypR to E No	16° 00' 00"
	3000	S House	SSE 1/8 E
Th att & log	3100	A.M.	10.40.30
	3200	CypR to S No	19° 03' 00"
Wind increasing	3300	S House	SSE
	3400		
Sea also "	3500	Right Tangent	
	3600	Left Tangent	
Haze increasing overland	3700		
	3800		
marking objects	3900		
	4000		
difficult to discern			

Tangle frame catching
on bottom at intervals

10.38 broke stanchion SERIAL TEMPERATURES.

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

Dredge frame
Came up in a
damaged condition
bag torn off one end & side
one of the tangle swabs
lost and frame
slightly bent

REMARKS:

507.
Tricks

No. *Tricks* Date *9 June, 1904.*
Tanner Machine. Reel.

Turns *66* Cor. + *1* Depth *67* fms.

Shot or lead *26 lb*

Bottom *fine gy S. R.*

Bottom temperature

No. of thermometer

Corrected temperature

Air Surface Drift

Trawl or dredge

All soundings on this page are Tricks only

Am. SOUNDING WIRE.

TURNS.

Am. DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

8.10 - 67 fms. fine gy S. R.
15 - 69 " " "
18 - 71 "
20 - 71 "
23 - 73 "
26 - 80 "
30 - 86 "
33 - 101 "

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

Dr. Cruise

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

Position: 8:19
Rock, Gypsum Pt. S. E. 1/4 S
Pt. Pine - Gp. Rk. 54° 00'
W. L. Rk. - East 8.26.50
W. L. Rk. - Gp. Rk. 54° 21'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.09	143		
50	68	138		
100	25.41	5		
200				
300	<i>This and following soundings are taken to locate "Capt. Cooper's Ledge". Ad. Banks. Fishermen generally call them "70 fms Rock": also Cooper's Rock, also South Rock.</i>			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

To locate "Cooper Ledge": x)

No. Dr. 4552 Date 9 June, 1904.

Tanner Machine. Reel.

Turns 82 Cor. + 1 Depth 83 fms.

Shot or lead 25 lb 73 fms.

Bottom rk; gn. M.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 61 Surface 58 Drift

Trawl or dredge 8 Tangles and Mud log.

Am. SOUNDING WIRE.

DOWN.

UP.

TURNS.

Am. DREDGE ROPE.

DOWN.

UP.

8.25

0

8.35

8.57.00

100

40

55.00

110

8.41

8.54.30

200

300

= 14 mins.

400

8.40

73 fms.

500

8.43

71 fms.

600

8.45

68 "

800

8.47

66 "

900

8.49

65 "

1000

8.51

66 "

1200

8.53

66 "

1300

8.56

66 "

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Mr. Silcox took soundings from the Dory in the mean while.

x) "Cooper's", 70 fms or

"South Rock"

	2500	
	2600	
	2700	
	2800	
Dr. Course, S E by E.	2900	Position.
Clear, haze, horizon faint	3000	8.26.
Moon & stars from WNW	3100	Wk Rk - E 1/4 N.
Heavy swell	3200	Wk R-Gyp Rk 58° 28'
Bar. 30.07	3300	8.25.
Therm. at. 59°	3400	Wk. Rk - ENE 7/8 E
Genuine at. 2.	3500	Wk. Rk - Gyp Rk. SE 1/2 S
	3600	Wk. R-Gyp Rk. 68° 30'
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.07 - 143			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

To locate "Cooper ledge?"

No. 4553.

Date

9 June 1904.

Sigsbee Machine.

Reel.

1/1 Navy.

Turns 69 Cor. + 5

Depth 74 fms.

Shot or lead ~~35~~ 35

Bottom rky

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 59° Surface 58° Drift

Trawl or dredge 8 Tangles + Mud Bay.

Am. SOUNDING WIRE.

TURNS.

Am. DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

9.19.

✓

0

9.20.00 9.50

100

9.28.00 9.46

Inter. Ldgs.

200

✓ = 2 / min.

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

7.22 - 74 fms.

24 - 72 "

26 - 66 "

29 - 66 "

30 - 66 "

32 - 66 "

35 - 66 "

37 - 66 "

39 - 66 "

41 - 66 "

43 - 66 "

47 - 65. ✓

49 - 65 "

Mr. Libby still
sounding from the
drum.

x "Cooper's," "70 fms" or "South Rock"

	2500	
	2600	
	2700	
	2800	
Dr. Course.	2900	Position:
Fair, hazy, over land.	3000	9.20
Moderate breeze NW.	3100	Wk. Rk. E 1/2 S.
Heavy Cloud	3200	Gyp. Rk. SSE 1/4 E
Bar. 30.06	3300	Wk. R-Gyp. 56° 25'
Therm. 65°	3400	
Gunnies and whistles.	3500	9.35.30
	3600	Gyp. Rk. - SE x S.
	3700	Wk. Rk. E 1/2 N.
	3800	Wk. R-Gyp. 63° 58'
	3900	
	4000	9.46.20

Gyp. Rk - SE x S.
Wk. Rk - ENE 1/4 E.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.09	143	Wk. R-Gyp. - 68° 20'	
50	35.18	138		
100	68-20			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

To locate "Cooper Leage". x)

No. 4554 Date 9 June 1904.

Sigsbee Machine. Reel. #1 Navy

Turns 55 Cor. + 5 Depth 60 fms.

Shot or lead 35 lb

Bottom gy. R. ✓

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 57 Surface 57 Drift

Trawl or dredge 6 Tangles and Mudbag.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.04	✓	0	10.02.00	10.42.00
		90	10.07.00	
		100	10.08.00	39.45
		110	10.09.00	10.39.00
		200	At 10.25	from
10.06	60 fms.	300	net to 160 fms.	
08	60 "	400	Trawling from	
11	62 "	500	10.07 - 10.39	
13	65 "	600	= 32 min	
15	65 "	700		
17	65 "	800		
19	65 "	900		
21	65 "	1000	Genl. character	
23	66 "	1100	of Bottom:	
25	67 "	1200	rkly.	
27	69 "	1300		
30	71 "	1400		
32	72 "	1500	Very good	
34	74 "	1600	hagl.	
36	77 "	1700		
38	80 " ✓	1800		
10.40	81 "	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

x) "Cooper's", "70 fms", or "South Rock"

	2500	
	2600	
	2700	
	2800	
Dr. Comm, wx N.	2900	Position:
Fair, haze over land.	3000	10.01
Moderate breeze, N ^x	3100	Gp. Rk - SSE 3/4 E
Heavy swell	3200	wh Rk. - E 3/4 N.
Bar. 30.06	3300	wh Rk - G.R. 73° 03'
Therm. air. 61°	3400	
Whales and gronies.	3500	10.17
	3600	Gp. Rk. - SE x S.
	3700	wh. Rk. - E 3/4 N.
	3800	wh R - Gp. Rk. 65° 46'
	3900	
	4000	10.28.00 Gp. Rk. - SE 5/8 S

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.09	143		10.39.00
50	55	138	Gp. Rk - SE 1/2 S	
100	35.54	5	wh Rk - E 7/8 N.	
200	x) Variable wind		wh Rk - G.R. 57° 42'	
300	and increasing to.			
400	near end of haul			
500				
600				
700	36.09	143		
800	58	138		
900	35.51	5		
1000				

REMARKS:

To locate Cooper Ledge *)

807

Trial

No. ~~4555~~, Date

9 June 1904

Sigsbee Machine.

Reel.

#1 Navy

Turns 54 Cor. +

5

Depth 59 fms.

Shot or lead 35 lb

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

am. SOUNDING WIRE.

am. DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10.57.

Inter Sigsbee

* "Cooper's Rock"
"70 fms Rock"
or
"South Rock"

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

	2500	
	2600	
Dr. Corner,	2700	Position.
Clear; haze, over land.	2800	10:57:30
Fresh breeze, N.W.	2900	Cypress Rock SSE $\frac{1}{2}$ E.
Heavy Swells.	3000	Wh. Rock E $\frac{3}{4}$ N.
Bar.	3100	Wh. R - Cy R 72° 00'
Therm. etc.	3200	
	3300	11:04.00
	3400	Cypress Rock SSE $\frac{1}{2}$ E.
	3500	Wh. Rock E $\frac{3}{4}$ N.
	3600	Wh. Rk - Cy R 71° 20'
	3700	
	3800	
	3900	Cypress Rock
	4000	White Rock
		Wh. R - Cy R -

SERIAL TEMPERATURES.

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

REMARKS:

To locate "Coquina ledge".

No. *Dr. 455* Date *9 June 1904*
Sigsbee Machine. Reel. *1* Tary
 Turns *61* Cor. + *5* Depth *66 fms.*

Shot or lead *35 lb*

Bottom *cky. gy. M.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *59°* Surface *57°* Drift

Trawl or dredge *8 Tangles & Muckey*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.25</i>	✓	0	<i>11.25</i>	<i>11.46</i>
		<i>90</i>	<i>11.29</i>	<i>11.43</i>
		100	✓	
<i>Inter Sogs.</i>		200	<i>= 14 min</i>	
<i>11.28</i>	<i>67 fms.</i>	300	<i>Genl. character of bottom:</i>	
<i>30</i>	<i>66 "</i>	400		
<i>33</i>	<i>68 "</i>	500	<i>Rky and gy. M.</i>	
<i>35</i>	<i>66 "</i>	600		
<i>37</i>	<i>66 "</i>	700		
<i>39</i>	<i>67 "</i>	800		
<i>41</i>	<i>67 "</i>	900		
<i>43</i>	<i>69 "✓</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
Dr. course, W x N.	2700	Position:
Clear, hazy over land.	2800	11.26
Fresh breeze from N.W.	2900	Cypress Rk. SSE 3/8 E
Heavy swell.	3000	Wh. Rk. E 1/2 S
Bar. 30.07	3100	Wh. R. - Cy R. 56° 55'
Therm. at 60"	3200	11.42
	3300	Cyp. Rk. SSE 7/8 E
	3400	Wh. Rk. E 1/4 S
	3500	Wh. R. - Cy R. 53° 55'
	3600	
	3700	
	3800	
	3900	
3007	4000	

60

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.09 -	143		
50				
100	Mr. Sibon says this locality is known as "Tofoa Rock, and-ledge", or "Cooper's Rock", or "South Rock"			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

To verify location of Italian Sledge in Monterey Bay.

No. *Dr 4556* Date *June 9 '04*
Sigsbee Machine. Reel. *Stang* Type *#1*
 Turns *46* Cor. *+* *4* Depth *50 fms*
 Shot or lead *36 lbs* *56 fms.*
 Bottom *R*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air *59°* Surface *57°* Drift
 Trawl or dredge *Tangle frame 6 tangles & mud bag*

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	P. M.	UP.		DOWN.	P. M.	UP.
1. 15.00	1. 16.00		0	1. 16.30	1. 39.00	
<i>Interim Soundings</i>			100	19.30		
1. 17.00	52 + 4 = 56		200	1. 22.00		
1. 18.30	53 + 4 = 57		300	1. 27.00	1. 36.00	
1. 20.00	50 + 4 = 54		400	time 17.45		
1. 22.00	55 + 4 = 59		500	paid out to 85 at 1. 21.		
1. 25.00	57 + 4 = 61		600	100	1. 26	
1. 27.00	58 + 4 = 62		700			
1. 30.00	55 + 4 = 59		800	Lost 1 tangle,		
1. 31.00	55 + 4 = 59		900	evidence of rough		
1. 34.00	55 + 4 = 59		1000	Bottom		
1. 36.00	55 + 4 = 59		1100	General Character		
			1200	of Bottom		
			1300			
			1400	"R"		
			1500	on		
			1600	Italian Sledge		
			1700	Mr. Silva, the Pilot,		
			1800	states "Italian Sledge"		
			1900	"is about 1 1/2 miles"		
			2000	"long"		
			2100			
			2200			
			2300			
			2400			

To verify positions of Dr 4550 for determining
Italian Ledge.

Dr Course S S E Bar 30.05" Thall 59° Wind N.W. 5-6 Heavy N.W. - Small Garnis etc.	2500	Li Ho to Mussel	1-16.30 1-17.00 10° 18' 00"
	2600	Mussel to Bay	26° 27' 00"
	2700	P.M.	1. 18.30
	2800	Light House	S S E 1/8 E
	2900	P.M.	1. 24.33
	3000	Li Ho to Mussel	11° 50' 00"
	3100	Mussel to Bay	27° 28' 00"
	3200	Li House	S 1/2 E 7/8 E
	3300	P.M.	1. 33.00
	3400	Li Ho to Bay	46° 26' 00"
	3500	Li House	S 1/2 E
	3600	P.M.	1. 36.35
	3700	Li Ho to Bay	47° 10' 00"
	3800	Li Ho	S S E 1/8 E
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200	Ahead at 1. 40			
300	Course East 3/4 North			
400	to reach Portuguese Ledge			
500				
600				
700				
800				
900				
1000				

REMARKS:

Verify location of Portingess Sledge

No. *D. 4557* Date *June 9 1904*

Sigsbee Machine. Reel. *W.T. #1*

Turns *54* Cor. *4* Depth *58 fms*

Shot or lead *36 lbs* *53 fms.*

Bottom *R*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *see log* Surface Drift

Trawl or dredge *Tangle frame 8 styles 8 mesh bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.00.00	2.01.00	0	2.00.00	2.23.00
		100	2.04.40	2.19.40
<u>Intermittent Sounds</u>		200	time 15 min.	
2.03.49	4 = 53	300		
2.05.50	4 = 54	400		
2.07.52	4 = 56	500		
2.09.52	4 = 56	600		
2.11.50	4 = 54	700		
2.13.50	4 = 54	800		
2.15.50	4 = 54	900	<u>Good Character of Bottom</u>	
2.16.50	52 + 4 = 56	1000		
2.18.00	50 + 4 = 54	1100	<u>"Rock"</u>	
2.19.00	50 + 4 = 54	1200		
2.21.00	48 + 4 = 52	1300		
2.22.00	48 + 4 = 52	1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Monterey Bay

p.m. 1.59.30

Dr Course	2500	Li Ho to Bay	65° 10' 00"
SSE 1/4 E	2600	Bay to Salinas	80° 25' 00"
Bar	2700	P.M. 2.	02.54
Th att } sea log	2800	Li Ho to Bay	67° 36'
Wind } is before	2900	Bay to Salinas	80° 48'
Weather } is before	3000	P.M.	2.09.30
Small increasing	3100	Li Ho to Bay	73° 00' 00"
2.07 wind moderating	3200	Bay to Salinas	81° 00' 00"
	3300	P.M.	2° 16' 50"
	3400	Li Ho to Bay	80° 52' 00"
	3500	Bay to Salinas	81° 32' 00"
	3600	P.M.	2.21.40
on a SSE course by	3700	Li Ho to Bay	86° 20' 00"
standard	3800	Bay to Salinas	81° 37' 00"
Ahead at 2.23.00	3900		
1 mile to locate	4000		

"Humpback Rock" SERIAL TEMPERATURES.

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

REMARKS:

To locate Humpback Rock
Rock Cod Sedge
 No. *Dr 4558* Date *June 9th 1904*
 Tanner Machine. Reel. *Any Type # 1*

Turns *46* Cor. + Depth *47*
 Shot or lead *26 lbs* *40 fms*
 Bottom *R*

Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____

Air *see log* Surface *see log* Drift _____
 Trawl or dredge *Tangle frame with 6 styles & mud bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2. 38.15</i>	<i>2. 41.00</i>	0	<i>2. 38.00</i>	<i>3. 01.30</i>
		100	<i>2. 41.00</i>	<i>2. 59</i>
<i>Interruption Soundings</i>		200	<i>Time 18 1/2 m</i>	
<i>2. 40.00 - 40 + 0 = 40 fms</i>		300		
<i>2. 43.00 - 37 + 0 = 37 "</i>		400		
<i>2. 44.00 - 37 + 0 = 37 "</i>		500		
<i>2. 45.00 - 37 + 0 = 37 "</i>		600		
<i>2. 47.00 - 36 + 0 = 36 "</i>		700		
<i>2. 48.00 - 34 + 0 = 34 "</i>		800		
<i>2. 49.20 - 34 + 0 = 34 "</i>		900		
<i>2. 51.00 - 33.00 = 33 "</i>		1000		
<i>2. 52.30 - 32 + 0 = 32 "</i>		1100		
<i>2. 53.00 - 32 + 0 = 32 "</i>		1200		
<i>2. 54.00 - 31 + 0 = 31 "</i>		1300		
<i>2. 55.00 - 30 + 0 = 30 "</i>		1400		
<i>2. 56.00 - 29 + 0 = 29 "</i>		1500		
<i>2. 58.00 - 29 + 0 = 29 "</i>		1600		
<i>59.00 - 28 + 0 = 28 "</i>		1700		
<i>3. 00.50 - 26 + 0 = 26 "</i>		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Gunn's character
'Rock'

To determine location of Humpback Rock known by fishermen as Rock Cod Sedge

Dr. Cassin SSE	2600	P.M.	2. 38. 15
	2700	Pointe Moule	52° 11' 00"
Bar sailing thru " "	2800	Muskeget Bay	99° 13'
	2900	P.M.	2. 43. 20
Wind moderating weather	3000	Pointe Moule	57° 16' 00"
	3100	Muskeget Bay	110° 14' 00"
	3200	P.M.	2. 49. 20
	3300	Muskeget Sand Hill	71° 53' 00"
	3400	Sand Hill to Bay	54° 46' 00"
(sig. of albatross)	3500	P.M.	2. 55. 00
	3600	Muskeget Sand Hill	91° 36' 00"
Humpback Rock is by fishermen termed also "Rock Cod Sedge" "of Monterey"	3700	Sand Hill to Bay	57° 41' 00"
	3800	P.M.	3. 01. 40.
	3900	Muskeget Sand Hill	122° 40'
	4000	Sand Hill to Bay	61° 15'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500	Totocate "Humpback Rock" or Rock Cod Sedge in Monterey Bay			
600				
700				
800				
900				
1000				

REMARKS:

No. *Dr 4559*Date *June 9 - '04*

Tanner

Machine.

Reel.

Turns *22* Cor. + *0*Depth *22* fmsShot or lead *36 lbs*Bottom *fine gy S*Bottom temperature *-*No. of thermometer *-*

Cor.

Corrected temperature *-*Air *see log* Surface

Drift

Trawl or dredge *10' Blake 3 ft, 2 1/2" * Pannier*

SOUNDING WIRE.

DOWN. *P.M.* UP.

TURNS.

DREDGE ROPE.

DOWN. *P.M.* UP.*3.06.30*

✓

0

3.07.00 *3.33.00*

30

100

3.08.00 *3.31.00**Inter. Sandls*

200

300

3.07.00 - 21+0 = 21 fms

400

3.08.00 - 21+0 = 21 "

500

3.09.00 - 20+0 = 20 "

600

3.10.00 - 23+0 = 23 "

700

3.11.00 - 19+0 = 19 "

800

3.12.00 - 18+0 = 18 "

900

3.13.00 - 17+0 = 17 "

1000

3.14.00 - 17+0 = 17 "

1100

3.15.00 - 16+0 = 16 "

1200

3.16.00 - 16+0 = 16 "

1300

3.17.00 - 16+0 = 16 "

1400

3.18.00 - 15+0 = 15 "

1500

3.19.00 - 14+0 = 14 "

1600

3.20.00 - 14+0 = 14 "

1700

3.21.00 - 15+0 = 15 "

1800

3.22.00 - 15+0 = 15 "

1900

3.23.00 - 12+0 = 12 "

2000

3.24.00 - 12+0 = 12 "

2100

3.25.00 - 12+0 = 12 "

2200

3.26.00 - 12+0 = 12 "

2300

3.27.00 - 12+0 = 12 "

2400

3.28.00 - 12+0 = 12 "

2500

3.29.00 - 12+0 = 12 "

2600

3.30.00 - 12+0 = 12 "

2700

3.31.00 - 12+0 = 12 "

2800

3.32.00 - 12+0 = 12 "

2900

P.M. 3.07.00

*In Case
S.S. E.
Bar
Therm. all day
rest as before*

2500	Miss. to Sand Hill	142° 00'
2600	Sand Hill to Bay	63° 14'
2700	P.M.	3.12.25
2800	Miss. Church to S. Hill	145° 03'
2900	Sand Hill to Bay	64° 01'
3000	P.M.	3.18
3100	Miss. Church to S. Hill	51° 22' 00
3200	Sand Hill to Bay	63° 44' 00
3300	P.M.	3.23.30
3400	Church to Sand Hill	58° 27' 00
3500	Sand Hill to Bay	61° 26' 00
3600	P.M.	3.28.50
3700	Miss. Church to Sand Hill	63° 06' 00
3800	Sand Hill to Bay	62° 13' 00
3900	P.M.	3.32.20
4000	Miss. Church to Sand Hill	64° 45' 00
	Sand Hill to Bay	52° 25' 00

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>From the end of preceding Dr 4558 dredged in on new position Dr 4559 to anchorage Monterey</i>			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.
11/11/1

No. *Δ-4560* Date *11 June, 1904.*

Tanner Machine. Reel.

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

Shot or lead *25 lb*

Bottom *fine gy. S. R.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *63°* Surface *60°* Drift

Trawl or dredge *6 Tangles and mud Bay.*

Am. SOUNDING WIRE.		TURNS.	Am. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.52</i>	✓	0	<i>7.52.00</i>	<i>8.01.30</i>
		20 100	<i>7.54.00</i>	<i>8.02.10</i>
		200	<i>± 6 min. ✓</i>	
<i>7.54</i>	<i>10 fms</i>	300	<i>Gen. character of Bottom:</i>	
<i>55</i>	<i>10</i>	400		
<i>55 1/2</i>	<i>11 "</i>	500		
<i>56</i>	<i>11 "</i>	600		
<i>56 1/2</i>	<i>11 "</i>	700	<i>fine gy. S. R.</i>	
<i>57</i>	<i>12 "</i>	800		
<i>58</i>	<i>11 "</i>	900		
<i>59</i>	<i>12 "</i>	1000		
<i>8.00</i>	<i>12 "</i> ✓	1100		
<i>8.10</i>	<i>12 "</i>	1200		
<i>8.01.30</i>	<i>12 "</i>	1300		
<i>8.02</i>	<i>12 "</i>	1400		
<i>8.06</i>	<i>13 "</i>	1500		
<i>8.11</i>	<i>14 "</i>	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

To 4000	2500	
Signal	2600	
	2700	
Dir. Course SENE.	2800	Position:
Clear; foggy over land.	2900	Signal - Lt Ho 7 ⁵³ 30' 12"
Latitude S. 15.	3000	Lt Ho - Moore 11° 04'
Drift S. 15.	3100	7.57
Bar 29.92	3200	Signal - Lt Ho 75° 07'
Ther. at 61°	3300	Lt Ho - Moore 11° 06'
	3400	8.04.30
	3500	Signal - Lt Ho 67° 30'
	3600	Lt Ho - Moore 12° 01'
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	36.09	143		
50				
100				
200				
300	Mr. H. Lemasters acting as guide during the day.			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. ~~456~~

Date

11 June 1904.

Tanner Machine. Reel.

Turns 15 Cor. + 0 Depth 15 fms

Shot or lead 25 lb

Bottom ok.

Bottom temperature

No. of thermometer

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8.14

15 fms

0

8.15

15 "

100

16

15 "

200

17

15 "

300

15 "

400

14 "

500

14 "

600

14 "

700

14 "

800

14 "

900

15 "

1000

15 "

1100

16 "

1200

16 "

1300

15 "

1400

16 "

1500

16 "

1600

15 "

1700

16 "

1800

15 "

1900

2000

2100

2200

2300

2400

To locate Sagul Bank	2500	Sagul Bank	Sagul - Lt Ho	62° 35'	8.14
	2600				
on center of ledge	2700	Sagul - Lt Ho	62° 35'	8.17.20	8.14
	2800				
End of ledge	2900	Sagul - Lt Ho	62° 35'	8.29	8.14
	3000				
	3100	Sagul - Lt Ho	62° 35'	8.29	8.14
	3200				
	3300	Sagul - Lt Ho	62° 35'	8.29	8.14
	3400				
	3500	Sagul - Lt Ho	62° 35'	8.29	8.14
	3600				
	3700	Sagul - Lt Ho	62° 35'	8.29	8.14
	3800				
	3900	Sagul - Lt Ho	62° 35'	8.29	8.14
	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. 4561* Date *11 June 1904*

Tanner Machine. Reel.

Turns *15* Cor. + *0* Depth *15 fms*

Shot or lead *25 lb*

Bottom *R. crs. S. Sh.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *66°* Surface *60°* Drift

Trawl or dredge *8 Tangles and Mud Bagg*

am. SOUNDING WIRE.

am. DREDGE ROPE

DOWN.		UP.	TURNS.	DOWN.		UP.
<i>8.38</i>		<i>2</i>	<i>0</i>	<i>8.38</i>		<i>8.55</i>
			<i>25</i>	<i>8.40</i>		<i>8.53</i>
			<i>100</i>			
			<i>200</i>	<i>✓ 13 min</i>		
			<i>300</i>			
<i>Later Skp.</i>			<i>400</i>			
<i>8.40</i>		<i>16 fms</i>	<i>500</i>			
<i>45</i>		<i>16 "</i>	<i>600</i>			
<i>47</i>		<i>15 "</i>	<i>700</i>			
<i>49</i>		<i>15 "</i>	<i>800</i>			
<i>50</i>		<i>15 "</i>	<i>900</i>			
<i>51</i>		<i>15 "</i>	<i>1000</i>			
<i>51 1/2</i>		<i>14 "</i>	<i>1100</i>			
<i>52</i>		<i>14 "</i>	<i>1200</i>			
		<i>15 "</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>			

*good haul
a flounder, among
other things,
came up in
the tangles.
forking of the
spoon evidence
of rock in bottom*

Saguel Reef	2500	
	2600	
	2700	Position.
	2800	8.38
	2900	Saguel Lt Ho 44° 23'
Beginning of haul.	3000	Lt Ho - Morse 9° 54'
	3100	8.45
	3200	Saguel - Lt Ho 53° 10'
Dr. Cruise west making up	3300	Lt Ho - Morse 10° 26'
	3400	8.50
	3500	Saguel - Lt Ho 61° 20'
Current setting to S.W. and very strong.	3600	Lt Ho - Morse 10° 48'
	3700	8.53
	3800	Saguel Lt Ho 67° 30'
Clear, hazy, over land, light breeze S.W. Smooth sea.	3900	Lt Ho - Morse 11° 00'
	4000	
Bar. 29.92		
Therm. 62°		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		Reef is large wide in N. and S. direction.		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Hy. 4501 Date 11 June, 1904.

Tanner Machine. Reel.

Turns 14 Cor. + 0 Depth 14 fms.

Shot or lead 25 lb

Bottom Sft. Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.55

Enter Sky

12 fms

12

12

12

11

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

To locate cad bank off O Bluff

on middle of
Ledge

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

Position
Bluff
78° 35'
111° 45'
9.57

SERIAL TEMPERATURES.

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

REMARKS:

No. *L-4562* Date *11 June, 04.*

Tanner Machine. Reel.

Turns *10* Cor. + *0* Depth *10 fms.*Shot or lead *25 lb*Bottom *hard Bottom*Bottom temperature *-*No. of thermometer *-* Cor. *-*Corrected temperature *-*Air *64°* Surface *58* DriftTrawl or dredge *6 Tangles and Mud Bay.*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>10.13</i>	<i>✓</i>	<i>0</i>	<i>10.13</i>	<i>10.43.40</i>
		<i>15</i>	<i>10.14.</i>	
		<i>18</i>	<i>NOTES</i>	<i>10.43</i>
<i>Inter. Sigs.</i>		<i>200</i>		
<i>10.16</i>	<i>9 fms.</i>	<i>300</i>	<i>from 10.14 - 10.43</i>	
	<i>10</i>	<i>400</i>	<i>✓ 29 min.</i>	
	<i>9</i>	<i>500</i>		
	<i>9</i>	<i>600</i>		
	<i>9</i>	<i>700</i>		
<i>10.20</i>	<i>10</i>	<i>800</i>		
	<i>9</i>	<i>900</i>	<i>10.35. 10 fms</i>	
	<i>9</i>	<i>1000</i>	<i>11 "</i>	
	<i>10</i>	<i>1100</i>	<i>11 "</i>	
	<i>10</i>	<i>1200</i>	<i>11 "</i>	
	<i>10</i>	<i>1300</i>	<i>10.40 - 11 "</i>	
<i>10.25</i>	<i>10</i>	<i>1400</i>	<i>11 "</i>	
	<i>10</i>	<i>1500</i>	<i>12 "</i>	
	<i>10</i>	<i>1600</i>	<i>11 "</i>	
	<i>10</i>	<i>1700</i>	<i>10.43-11- ✓</i>	
	<i>10</i>	<i>1800</i>		
	<i>10</i>	<i>1900</i>		
	<i>10</i>	<i>2000</i>		
<i>10.30</i>	<i>10</i>	<i>2100</i>		
	<i>11</i>	<i>2200</i>		
	<i>10</i>	<i>2300</i>		
	<i>10</i>	<i>2400</i>		
	<i>10</i>			
	<i>10</i>			
	<i>10</i>			

 Dr. Comec, W 1/2 N. Fair, hazy over land. Lt. air to calm. Smooth sea. Bar. 29.92 Therm. at 63°	2500		
	2600	Cod Bank off	
	2700	Bluff @	
	2800	Position:	
	2900		10.14.35
	3000	Bluff - Soguel	74° 55'
	3100	Tank - Bl @	114° 00'
	3200	Bl. @	N 1/4 W.
	3300		10.20
	3400	Bl @ - Soguel	98° 28'
	3500	Tank - Bl @	can't be taken
	3600	Bl @	N x E 5/8 E
	3700		10.42
	3800	Bluff @	NE 3/4 N
	3900	Bluff @ - Soguel	121° 30'
	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. *4563*. Date *11 June, 1904*

Tanner Machine. Reel.

Turns *8* Cor. + *0* Depth *8 fms*

~~Shot or lead~~ *25 lb*

Bottom *ky.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

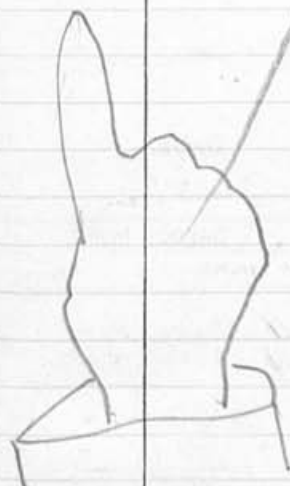
Trawl or dredge *8 Tangle and Mud Bay*

Ann. SOUNDING WIRE.

Ann. DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>11-34 =</i>	<i>✓</i>	<i>0</i>	<i>11.34.00</i>	<i>11.46</i>
<i>1/2 hr. Skys.</i>		<i>15 fms</i>	<i>11.35.00</i>	<i>11.45</i>
<i>11.35. -</i>	<i>7 fms</i>	<i>200</i>	<i>✓ = 10 min</i>	
<i>36</i>	<i>7</i>	<i>300</i>		
	<i>7</i>	<i>400</i>	<i>Mud by came</i>	
<i>37</i>	<i>7</i>	<i>500</i>	<i>up by 1/2 ton.</i>	
	<i>7</i>	<i>600</i>		
<i>38</i>	<i>8</i>	<i>700</i>		
	<i>8</i>	<i>800</i>		
<i>39</i>	<i>7</i>	<i>900</i>		
	<i>7</i>	<i>1000</i>		
<i>16.40 -</i>	<i>7</i>	<i>1100</i>		
	<i>7</i>	<i>1200</i>		
<i>41</i>	<i>7</i>	<i>1300</i>		
	<i>7</i>	<i>1400</i>		
<i>42</i>	<i>8</i>	<i>1500</i>		
	<i>8</i>	<i>1600</i>		
<i>43</i>	<i>8</i>	<i>1700</i>		
	<i>8</i>	<i>1800</i>		
<i>11-44 =</i>	<i>✓</i>	<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Locating
Black Pt Reef
- Rock Cns Bank



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

Position:

Saguel - Lt Ho 11.35 147° 25'

Lt Ho - Mon 6° 08'

11.45

Chm end of

Wharf - Lt Ho. 24° 05'

Lt Ho. - Mon. 13° 20'

SERIAL TEMPERATURES.

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

REMARKS:

No. *4564* Date *11 June, 1904*

Tanner Machine. Reel.

Turns *9* Cor. + *0* Depth *9 fms.*Shot or lead *25 lb*Bottom *rk.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge *6 Tangles of Muntz*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*11.48.00**✓ -**0**11.48.00**11.57.00**Inter Sdgo.**15**11.49.00**11.57.00**100**17**200**= 8 min ✓**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**Tangles caught
hard and often.**Rocky bottom**11.55-10-**56 10-**57 10-*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Position

11.50

Saguel-LtH 137° 24'

LtH - Moore 13° 11'

11.57.

Saguel-LtH. 125° 55'

LtH - Moore 12° 42'

Black Point
Reef.

SERIAL TEMPERATURES.

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

REMARKS:

Trial

No. (55.4565) Date 16 Sep. 1904

Lucas Machine. Reel.

Turns 587 Cor. + 0 Depth 587 fms

Shot or lead 30 lb Snappers with Snappers

Bottom br M.

Bottom temperature —

No. of thermometer none Cor.

Corrected temperature

Air 60° Surface 60° Drift

Trawl or dredge 8' Bl. Flk. ^{2 floats, & breasting guy.} Sinkers, wing & tail with.

A.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

F.M. DREDGE ROPE.

DOWN.

UP.

10.10.30	10.34.25	0	10.40.00	12.04.40
12.20	32.00	100	46.00	
13.45	29.45	200	50.30	
15.20	27.30	300	53.30	
16.45	25.30	400	57.45	50.30
18.00	23.00	500	59.45	47.30
10.19.00	10.21.25	587	11.03.00	45.30
		600	08.15	38.30
		700	11.13.45	11.39.10
		800		
		900	= 0.17.25	
		1000		
		1100		
		1200	Net torn, wire	
		1300	kinked for 100 fms.	
		1400	Caught several	
		1500	Starfish and	
		1600	other specimens.	
		1700		
		1800	Cut off 97 fms	
		1900	of wire that were	
		2000	full of kinks.	
		2100		
		2200		
		2300		
		2400		

Snapper didn't
close

Net torn, wire
kinked for 100 fms.
Caught several
starfish and
other specimens.

Cut off 97 fms
of wire that were
full of kinks.

8.5. Farallon Is. St. Ho-

CS Chart

#5500-

Dr. Course, S.E.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

56° E.

9. = 1

Half of the Farallones -

San Francisco Entrance

C = 1/4 when dragging
1 3/4 when leaving

Not
5.4500
11.4500

SERIAL TEMPERATURES.

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

REMARKS:

No. *H. 4804* Date *16 Sept 1904*

Lucas Machine. Reel.

Turns Cor. + Depth *495 fms.*

Shot or lead *60 lb with Snapper.*

Bottom *gn. M.*

Bottom temperature

No. of thermometer *none* Cor.

Corrected temperature

Air *60°* Surface *60°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.48.00</i>	<i>12.03.00</i>	0		
	<i>01.40</i>	100		
	<i>12.00.25</i>	200		
	<i>59.10</i>	300		
<i>11.52.25</i>	<i>57.50</i>	400		
<i>11.53.45</i>	<i>11.56.30</i>	<i>495</i> 500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*also marks in
of prev.
Det. haul*

St. Jaronon L.H. N 51° 8.

9 3/10'

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

SERIAL TEMPERATURES.

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

REMARKS:

DeLong.

No. ~~(Hy 1000)~~

Date Sept. 16, 1904

Lucas

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead 35² with snapper

Bottom gy M.

Bottom temperature

No. of thermometer none

Cor.

Corrected temperature

Air 61

Surface 60

Drift

Trawl or dredge

P. M. SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1-06-0

1-06-20

0

1-06-15

1-06-17

12
100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Snapper did not close

not for

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:

Trial

No. ~~44-4403~~

Date Sept. 16 1904

Lucas

Machine.

Reel.

Turns

Cor. +

Depth

Shot ~~on lead~~ 35^{lb} with snapper

Bottom gr. s.

Bottom temperature

No. of thermometer none

Cor.

Corrected temperature

Air 61

Surface 60

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-24-50	1-27-10	0		
1-25-35	1-26-50	57		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

1007.
De Loney

No. 4566.

Date Sept. 16, 1904

Lucas

Machine.

Reel.

Turns

Cor. +

Depth 22 (?) fms.

Shot or lead 30^{lb} with snapper

Bottom No bottom shown by cup.

Bottom temperature

W. S. (Pouchar)

No. of thermometer

Cor. N.E. by E.

Corrected temperature

Air

Surface 59-

Drift East 5/10

Trawl or dredge 2 ft. 2 plates & snapper gear
Belk. 2 plates & snapper gear
Finner 2 plates & snapper gear

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-32-30

9-34-20

0

3-35-10

3-47-10.

3-33-20

3-33-30

100

3-36-10

3-46-10

200

-30-

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4567 37-25 N

4568 122-26 W

68 36-45 N

69 122-02 W

69 34-45 N

70 120-15 W

70 34-20 N

71 120-20 W

Smith Sea Buoy

Point Bonita Light House

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

N 66° E.

~~105~~
10

10 5/10'



SERIAL TEMPERATURES.

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

REMARKS:

Six 45-67 to 70 inch, are Pump
filter stations. = a net established on
starboard gangway, 20 alk. bag supplies
by constant stream to near full
capacity by means of pumps.

P.L. = 57.6

No. *Dr. 4571^a* Date *7 Oct. 1904.*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *69°* Surface *66°* Drift

Trawl or dredge

Plankton Haul

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

No Sds.

0

*3.04**3.42*

100

*2.15**3.20*

200

300

400

500

600

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Surf. not from post l. down**hurry helps until**starts when slow**and put over**Kofids over the**stern.**Hauled in at**3.47 hrs., when**4.05**Towed 18 min*

33-40 N. 119-35 W.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
Dr. Course:	3100	
Fair, warm, haze over land	3200	
Lt. breeze variable.	3300	
Smooth Sea.	3400	
Bar. 29.79	3500	
Therm. at. 71°	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Plankton Haul: one 14" #20 silk			
50	Kofoid, and one 4' Surface			
100	Net, in series, down verti-			
200	cally on star side, 300 fms.			
300	rope, leading from Plankton's			
400	after drift.			
500	1' Surface Net, from Port lower boom.			
600	one 12" #12 silk Kofoid and			
700	one 14" #20. } towed from			
800				
900				
1000				

REMARKS:

Sta 4572 & 3 are Pump filter stations.

72-33-30 N.
119-25 W.

73 31-35 N.
118-10 W.

DeLong

No. *4574*

Date *Oct. 8, 1904*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom *No Sounding*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *76* Surface *69* Drift

Trawl or dredge *2 Kofrit nets - vertical series -*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>PM. 3.03-30</i>	<i>3.22-45?</i>
		100		
		<i>140</i>		
		200	<i>PM. 3.13</i>	<i>3.20-45</i>
		300	<i>3.16</i>	<i>3.16-15</i>
		400		
		500	<i>Out</i>	<i>Out</i>
		600		
		<i>PM.</i>	<i>3.33-30</i>	<i>3.52</i>
		800		
		900		
		<i>PM.</i>	<i>3.35</i>	<i>3.52-15</i>
		1100	<i>3.35</i>	<i>3.52-45</i>
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

30-35 N. 117-15 W

	2500	
	2600	
	2700	
	2800	
Fair	2900	
Light Breeze	3000	
Smooth sea	3100	
Barometer 69	3200	
Therm. 76	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	4 ft. surface net - on Port Beam			
50				
100				
200	1 Kofoid "20-14" as surface } Astoria			
300	1 " "12" " " " }			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pump filter is off Dr. 4575
 30-15 N. 117-10 W.

007.
Franklin
 No. *Dr. 4576*

Date *8 Oct. 1904*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature *No Log.*

No. of thermometer Cor.

Corrected temperature

Air *67°* Surface *67°* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

on DREDGE ROPE.

DOWN.

UP.

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

Began about

in at

*8.35 p.
 8.51 p.*

4' Surf. Net from Pt boom

*12" Kofris # 12 Silk } towing
 14" Kofris # 20 Silk } astern*

29-52 N. 116-56 W.

	2500	
	2600	
	2700	
	2800	
Fair.	2900	
St breeze, SW	3000	
Smooth Sea.	3100	
Bar. 29.96	3200	
Ther. at. 72°	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:

Nos. 4577-4579 both
inclusive are Pump
filters.

4577, 28-25 N. 115-55 W.
28, 27-02 N. 114-40 W
79, 25-20 N. 113-13 W.

No. 4580 Date 10 Oct. 04

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

No Sounding.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

74°

Surface

76°

Drift

Trawl or dredge

Plankton Haul

SOUNDING WIRE.

DOWN.

UP.

TURNS.

AM DREDGE ROPE.

DOWN.

UP.

From After Afloat, Dory:

*2 vertical Kofoids, 12" silk, and 14" of 20 silk,
300 fms. line - down at 10.52. 11.26*

400

11.05

11.05 ✓

= 13 min going down

(Ship stopped)

15 " 600 coming up

700

800

900

*5 ft. Chan^d coarse silk, used as towline.
from 'Port Room' - and*

1100

12" & 12 silk and 14" of 20 silk Kofoids stern

1200

1300

1400

11.22

1500

11.39

1600

= towing 17 min.

1700

towing 13 min.

1800

1900

2000

2100

2200

2300

2400

*x rigged with float
at tail.*

24-55N. 112-45W.

	2500	
	2600	
	2700	
	2800	
Clean and warm.	2900	
Gentle breeze NNN	3000	
Moderate sea.	3100	
Bar. - 29.91	3200	
Therm. at 77°	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:

At 11.35 towline of Chun Net parted;
 Net on board at 11.47. Catch of net
 (practically lost.) damaged.

// 4581-82 are
 down filters.

81 - 24-55N. 111-52W.
 82 - 23-12 110-32W

502-
Am. Nat.

No. *Dr. 4583* Date *11 Oct. 1904*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *82°* Surface *83°* Drift

Trawl or dredge

Plankton Haul

SOUNDING WIRE.

DOWN.

UP.

TURNS.

Am. DREDGE ROPE.

DOWN.

UP.

*From Dory's after
 descent:*

2 vert. Koppits as before,

300 fms. line,

= down in 13 m.

up in 19.5 m.

Set clock 18 min ahead.

(Ship stops)

From Port Lora Boom

and

From Ship's Stern

Resp. Old Gulf Net

and 2 Koppits as before,

(Ship steaming slowly)

0

100

200

300

400

500

700

800

900

1000

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

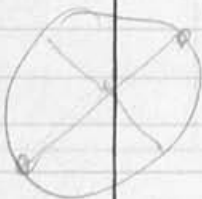
2400

10.07. - 10.20

10.20 10.20.30

11.02. in 11.20

= Towing 18 min.



22-45 N.

110-05 W.

	2500	
	2600	
Fair, warm, hazy	2700	
over land	2800	
Calm.	2900	
Smooth Sea.	3000	
Bar. 29.87	3100	
Ther. Alt. 83.5	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:

Stations Dr. 4584-86, both
inclusive, are pump filter
'Stations

84 - 22-05 N. 109-10 W.
85 - 21-00 N. 107-37 W.
86 - 19-52 N. 106-22 W.

No.

Dr. 4587

Date

12 Oct, 1904

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

No Sounding

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

82°

Surface

82°

Drift

Trawl or dredge

Plankton Haul

SOUNDING WIRE.

DOWN.

UP.

TURNS.

Am DREDGE ROPE.

DOWN.

UP.

2 Vertical Kofids
as before, from
Dodge's after
drift.

0

10.05

10.55.00

100

150

10.12.30

10.42.30

200

300

10.15.00

10.29.00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Down in 10 min.
Up in 16 "

Put clock ahead
12 min while nets
were down.

20-42 A

107-25 W.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Drift, N. W.
 Fair and pleasant.
 Gentle breeze, SE by E.
 Smooth sea.

Bar. 29.84
 Therm. air. 84.5

SERIAL TEMPERATURES.

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

REMARKS:

507.
DeLong

No. 4588

Date Oct. 12, 1907.

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom No Sounding

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 81° Surface 82° Drift

Trawl or dredge

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

From Port Bourn
5 ft Surface net
a Portable elect light attached -
12" Kipid # 12 silk
14" " # 20 " } Towing astern
000 silk in red bag

19-52 N 106-22 W

Tair
St. Breeze
Smooth Sea
Bar 29.82
Therm. 81°

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				

But 8.31-30 In 8-49-30

But 8.33-15 In 8-50

REMARKS:

Station Dr. 4589 is pump filter station.

89-018-50 N. 104-50 W

No.

Dr. 4590

Date

Oct 13 '04

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

83°

Surface

83°

Drift

Trawl or dredge

Plankton Haul.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

am DREDGE ROPE.

DOWN.

UP.

1 12" & 12 silk)		0	10.04.00	10.40.00
1 14" & 20. } Kops		100		
from Drugg's after		200		
debit		300	10.18.00	10.18.00
down in 14 min.		400		
up in 22 min.		500		
		600		
		700		
* At 10.22 stopped hauling in, line chafed				
against 900 ft. side.				
10.28 commenced hauling in again.				
5 min stoppage.				
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

18-50 N.

104-50 W.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Clear over head,
 Brigs cloudy.
 Calm.
 Smooth sea.
 Bar. 29.80
 Therm. 83

SERIAL TEMPERATURES.

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

REMARKS:

4591

18-20 N.

103-40 W.

Dekong

No. 4592 Dn. Date Oct 13, 1904
Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom No Sounding.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 84° Surface 83° Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

From Port Basin

5 foot Surface net 000 Silb

Electric Light attached. →

12" Kofoid #2 Silb →

14" Kofoid #20 Silb

18-20 N.

103-40 W.

Fair
Sea Smooth
Light Breeze
Bar 29.72
Ther. 84°

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	Cast at 7-36-30 In 7-5-4-30			
300				
400				
500				
600	Cast 7-37-30 In 7-5-5-			
700				
800				
900	7-37-30 In 7-5-1-			
1000				

REMARKS:

Station No. 4593 is a pump
filter station.

17-25 N, 101-50 W.

No.

D. 4594 Date 14 Oct. 1904

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

No Sounding.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

83°

Surface

84°

Drift

Trawl or dredge

Plankton Haul.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

am DREDGE ROPE.

DOWN.

UP.

2 Vertical Kofoids
as before, from
Doris after drit,
300 fms. line out.

down in 11 min

up in 15 min

0

10.04.30

10.30.00

100

200

300

10.15.00

10.15.00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

17-20 N.

10# -32 W

101

	2500
	2600
	2700
	2800
Fair and warm	2900
Light air, ENE.	3000
Smooth Sea	3100
Bar. 29.82	3200
Therm. at. 83°	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:

Caught a turtle on this station.

Dr. 4595 is a pump filter station. Silt changed from #20 to #12.

16-47 N. ~~127~~ - 00 W.
100 - 27 W.

DeLong
No. 4596

Date *Oct. 17, 1904*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom *No Sounding*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *86°* Surface *84°* Drift

Trawl or dredge

P.M.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

		0	<i>But</i>	<i>In</i>
		100	<i>7.06</i>	<i>7-24</i>
<i>5 ft Surface</i>	<i>000</i>	<i>Silk</i>	<i>Light attached</i>	
<i>From Port Brown</i>	<i>Elect</i>	<i>200</i>		
		300		
<i>10" Kofoid</i>	<i>#12 Silk</i>	400	<i>7.08</i>	<i>7-24</i>
<i>14" "</i>	<i>#20 Silk</i>	500	<i>7.08</i>	<i>7-24</i>
<i>16" "</i>	<i>#20 Silk</i>	600		
<i>Howing</i>	<i>asterisk</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16-47 N. 100-27 W.

Tair
Light Breeze S.W.
Smooth Sea
Bar 29.76
Ther 86°

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:

Station Dr. 4597 is a pump filter station.

16-10 N. 98-37 W.

P.L. = 75.7

No.

No. 4598

Date

15 Oct. 04.

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 83°

Surface 84°

Drift

Trawl or dredge

Plankton Haul.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

am DREDGE ROPE.

DOWN.

UP.

✓ Vertical Tofrids
as before, from
Doris after drift,
300 fms. line out.
= down in 12 min.
up in 18 min

0

10.05. - 10.35. -

100

200

300

10.17. - 10.17. -

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Haul, practically
Vertical.
Powers hauls at
angles due to drift
of ship - up to 45° ±

15-58 n.

98-13 W.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Clear, hazy over land.

Gentle breeze, N. E.

Smooth Sea.

Bar. 29.79

Therm. 84°

SERIAL TEMPERATURES.

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

REMARKS:

45-99 - Pump filter

15-36 n.

97-00 W.

NOT.
De Long

No. D. 4600

Date Oct 15th 1904.

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom No Sounding

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 85° Surface 82° Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

P.M.
DOWN.

P.M.
UP.

		0	But	Ins
5 Ft. Surface net	1000 Silks	7-6-	7-24	
with Elct. Light Attache				
from Port Bourn	300			
	400			
14" Kofoid # 12 Silks	500	7-5-	7-25	
	600			
14" Kofoid # 20 Silks	700			
Towing astern	800	7-5-	7-25	
	900			
	1000			
	1100			
	1200			
	1300			
	1400			
	1500			
	1600			
	1700			
	1800			
	1900			
	2000			
	2100			
	2200			
	2300			
	2400			

15-36 n.

97 00 W.

	2500	
	2600	
	2700	
Cloudy	2800	
Gentle Breeze N. by E.	2900	
Smooth Sea	3000	
Bar 29.70	3100	
Ther 85.0	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:

4607 14-58 n. 95-17 W.
 02 13-37 n. 93-52 W.
 03 12-30 n. 92-30 W.
 04 12-21 n. 92-13 W.
 05 12-21 n. 92-13 W.

707
 711 1/2
 DeLong

No. *No* Station Date *17 Oct. 1904*

Machine. Reel.

Turns Cor. + *approx. Depth 1200 fms*

Shot or lead *(from chart)*

Bottom *No Sounding*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge = *double cone Rinker*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

Am. DREDGE ROPE.

DOWN.

UP.

 This work was done to take the Corus out of the dr. wire.

First 10 fms. went out before recorder was notified, and fouled around the drum. Hove in 3 fms., and at 9.14 lowered again; wire fouling slightly on the first 100 going out. At 9.41.30 wire fouling again around the drum. Cleared and down at 9.43.00 Accumulator registered 3 tons and slightly more when commenced to heave in 1500 fms.

107	9.14.00	12.29.45
100	20.00	12.29.45
200	22.40	12.29.30
300	25.25	12.29.10
400	28.00	12.29.40
500	30.25	12.29.45
600	32.50	12.29.15
700	35.05	12.29.15
800	36.20	12.29.20
900	37.50	12.29.30
1000	39.30	12.29.15
1100	41.00	12.29.30
1200	44.45	12.29.35
1300	46.15	12.29.30
1400	48.00	12.29.15
1500	49.50	12.29.10
1600	50.45	12.29.15
1700	52.00	12.29.20
1800	53.20	12.29.15
1900	54.40	12.29.00
2000	56.00	12.29.40
2100	57.15	12.29.20
2200	58.45	12.29.45
2300	10.00.00	12.29.00
2400	10.01.20	12.29.10

12.29.45
 12.29.20
 12.29.10
 12.29.00
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 10.17.40
 10.17.30
 10.17.20
 10.17.10
 10.17.00
 10.16.50
 10.1

Hauling in

C. Reginald	3 1/2 +	2500	10.02.30	13.20
"	3 1/2 +	2600	03.55	09.25
"	3 1/2 +	2700	05.00	11.05.10
"	3 1/2 +	2800	06.20	57.20
"	3 1/2 +	2900	07.45	53.15
"	3 1/2	3000	09.00	48.20
"	3 1/2 - 3 3/4	3100	10.25	42.00
"	3 1/4 - 3 1/2	3200	11.55	37.05
"	3 - 3 1/4	3300	13.20	30.00
"	3 - 3 1/4	3400	14.30	23.50
"	3 trans	3500	10.16.00	10.17.20
		3600		
		3700	= down in 1 hr. 2 min	
		3800	up - 2 - 12 - 255.	
		3900		
		4000		

Small kink

SERIAL TEMPERATURES.

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

REMARKS:

1 kink at 100 fathoms
 2 between 50 & 100
 6 " 50 & 65 } 9 kinks for 100 fms
 Wire stretched 65 fathoms

No. *Dr 4605*Date *Oct 17, 1904*

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom *N. Sanding*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *84*Surface *85*

Drift

Trawl or dredge

SOUNDING WIRE.

PMDREDGE ROPE *P.M.*

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

12-46-00 1-22-30

200

300

12-58-00 12-68-00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*2 Vertical Kopsids
as before from Balm
after davit - Starboard
side
Down in 12 min
Up in 24 min 3600 sec.*

	2500	
	2600	
	2700	
	2800	
Fair	2900	
Light Wind S by E.	3000	
Bar 29.68	3100	
Ther. 84	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:

4556 12-00 h. 91-30 W.

De Long

No. 4607

Date Oct 17, 1904.

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom No Sounding

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 83° Surface 83° Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.
cut

UP.
cut

5-ft Surface from
Post boom with
elect. light as before.

14" Kofoid #20 Sill

14" Kofoid #12 Sill

Towing astern

7-03

7-21

7.02

7-21-30

7.02

7-21-30

See 4606 for
print

(same as old)

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Cloudy
Wind S by W.
Bar 29.64
Ther 83°

SERIAL TEMPERATURES.

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

REMARKS:

D-4608 is a pump filter Sta.
11-15 n. 89-48W.

F. H. Kil

No. *Dr. 4609* Date *18 Oct., 1904*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

No Sounding

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *82°* Surface *81°* DriftTrawl or dredge *Plankton Haul:*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

A.M. DREDGE ROPE.

DOWN.

UP.

*2 vertical Kofids
as before, from
down's after drift,
300 fms. line*

*= down in 12 min
up in 16 "*

0

10.05 - 10.23

100

200

300

10.17 - 10.17 -

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

11-05 n.

89-35 W.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Cloudy - nearly overcast.
 Gentle breeze, South
 Moderate Sea.
 Bar. 29.80
 Therm. at. 82°

SERIAL TEMPERATURES.

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

REMARKS:

Dr. 4610 is a
 pump filter sta.

10-33 n. 88-30 W.

No. *Dr 4611*

Date

Oct. 18, 1904

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom *No Sounding*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *78°*Surface *78°*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DM DOWN.*PM* UP.

0

*Out**In*

100

200

*7-03-30**7-21-30*

300

400

500

600

*7-03-30**7-23-00*

700

800

*7-03-30**7-23-00*

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*576 Surface from
Port Broom. Light
attached**12" Kofoid #12 Silt**14" " " #20 Silt**Towing astern*

(8mm as 10)

Cloudy
Moderate Breeze
Sea Moderate S-SW
Bar 29.76
Ther. 78°

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:

Dr. Sta. 4612 is a
pump filter station
9-50 N. 86-40 W.

No.

Dr. 4613

Date

19 Oct. 04.

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

No Sounding

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

81°

Surface

80°

Drift

Trawl or dredge

Plankton haul.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2 vertical
Kofoids
as before, from
Dory's davit:

= down in 11 min
up in 16 "

Line leading astern
at an angle of
about 70°.

Line leading fwd
during descent.
Probably about full
up.

0

10.05.00 10.22.00

100

200

300

10.16.00 10.16.00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9-45-n. 86-20 W.

	2500	
	2600	
Fair and pleasant	2700	
Gentle breeze, SSW	2800	
Smooth sea	2900	
Bar. 29.83	3000	
Therm. etc. 84°	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:

4614 = P.F. sta.
9-07 n. 83-11 W.

DeLong
No. 4615

Date *Oct 19, 1904*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom *No Sanding*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *81°* Surface *80°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		<i>P.M.</i> DOWN.	<i>P.M.</i> UP.
		0		
		100		
<i>5 Fts Surface net</i>		200	<i>7-02-0</i>	<i>7-20-30</i>
<i>with Elliot Light</i>		300		
<i>attached from</i>		400		
<i>Port Boom</i>		500		
<i>12" Kofoid "12 Sills</i>		600	<i>7-02-0</i>	<i>7-20-30</i>
<i>14" Kofoid "20 Sills</i>		700	<i>7-02-0</i>	<i>7-20-30</i>
<i>Towing astern</i>		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

(Sum as 14)

	2500
	2600
	2700
	2800
Over cast	2900
Smooth sea	3000
Light breeze SW	3100
Bar. 29.75	3200
Ther. 81°	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:

Dr. 4616 is a pump filter str.
8-10 N. 83-33 W.

NOT
 11/11/04

No. *Δ. 4617* Date *20 Oct. 04.*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom *No Sounding.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *77°* Surface *78°* Drift

Trawl or dredge *Plankton haul.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

from DREDGE ROPE.

DOWN.

UP.

<i>Two vertical Kofids</i>		0	<i>3.55.00</i>	<i>4.21.00</i>
<i>as before, from</i>		100		
<i>Doby's Kofid drift,</i>		200		
<i>300 fms. line</i>		300	<i>4.05.00</i>	<i>4.05.00</i>
<i>= out in 10 min;</i>		400		
<i>up in 16 min.</i>		500		
<i>line in about 45 min.</i>		600		
		700		
		800		
<i>The 5' Core</i>		900	<i>Pm.</i>	<i>Pm.</i>
<i>Surface tow net</i>		1000		
<i>from port lower boom</i>		1100	<i>4.27.00</i>	<i>4.45.00</i>
<i>and</i>		1200		
<i>the two usual Ko-</i>		1300	<i>= towing</i>	<i>18 min.</i>
<i>fids towing astern</i>		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

7-45 N. 82-25 W.

	2500	
	2600	
	2700	
95 fms. { Overcast. Gentle breeze, SW by S Smooth sea. Bar. 29.72 Therm. at 81°	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:

Dr. 4618 is (?)

7-15 N. 82-08 W.

507.
DeLong
No. 4619

Date Oct 20, 1904

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom No Soundings

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 78° Surface 79° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
54 ft Surface 000 Silk		200	4 Serial hauls of 20 minutes each beginning at 7 P.M. 1st haul used light 2nd " no " 3rd " used " 4th " no light x	
from Port Boom		300		
		400		
		500		
		600		
14" Kofoid #20 Silks		700	1 haul Out 7 00 In 7 20	
12" " #12 Silks		800		
towing astern		900		
		1000		
		1100		
8x) out at 8:10		1200	= 20 min	
in at 8:30		1300		
5th haul; with electric light:		1400		
out at 8:37		1500	= 20 min.	
in at 8:57		1600		
6th haul; without electric light:		1700		
out at 9:04		1800	= 20 min.	
in at 9:24		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

(Same as 18)

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Overcast
Smooth Sea

Light Breeze,

Bar 29.77

Ther 78

1-3-5-6

SERIAL TEMPERATURES.

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

REMARKS:

Dr. 4620 is a pump filter
Station

6-45 n. 81-47 W.

507. Ki
= 11

No. *Dr. 4621* Date *21 Oct. 04.*

Lucas Machine. Reel. *Lucas.*

Turns *581* Cor. *+ - 0*, Depth *581 fms.*

Shot or lead *60 lb and Simpson Sdg. Cap.*

Bottom *Rocky? Gr. S.*

Bottom temperature *41.*

No. of thermometer *98241.* Cor. *6*

Corrected temperature *40.5*

Air *82°* Surface *79°* Drift

Trawl or dredge *8' Bl.-Alb., as described below.*

Am. SOUNDING WIRE.

DOWN. UP.

9.12.40	9.40.00
13.50	38.35
15.00	27.15
16.20	35.55
17.45	34.30
19.10	32.15
9.20.40	9.31.30

TURNS.

DOWN. UP.

DOWN. UP.

DOWN. UP.

DOWN. UP.

DOWN. UP.

DOWN. UP.

DOWN. UP.

DOWN. UP.

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DOWN. UP.

DOWN. UP.

Am. DREDGE ROPE.

DOWN. UP.

DOWN. UP.

DOWN. UP.

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DOWN. UP.

DOWN. UP.

DOWN. UP.

* 8' Blake-Albatross,
ball bearing swivel
shackle and ordinary
shackle; Sinker: 2
weights, 2 Sinter.
flies; 2 glass floats;
processor gage; Mud-
bag.

C. while dredging: 1 1/2 to 1200,
reared 4 fms.
C. while hauling in:
2, 2+, 2 1/2+, 1 1/2,
2 1/2+2 3/4, 1 1/2, 1 1/2-1 1/4
1 1/2 - 1 1/4
1 1/4

Lost the Mudbag.



(750-700)
(700-600)
(600-300)
(300-200)

C: Accumulator.

6-36 n. 87-44 w.

	2500	
	2600	
	2700	
	2800	
	2900	
<i>Dr. Course: S. W.</i> <i>Cloudy.</i> <i>Light breeze, S.</i> <i>Gentle swell.</i> <i>Bar. 29.80</i> <i>Ther. 82°</i>	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

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

REMARKS:

807.
Frank Delaney

No. *Dr. 4622*, Date *21 Oct. 04.*

Lucas Machine. Reel. *Lucas*

Turns *581* Cor. + - 0 Depth *581*

Shot or lead *60 lb and Lucas Snapper*

Bottom *Red gn S.*

Bottom temperature *-*

No. of thermometer *None used*, Cor.

Corrected temperature *-*

Air *86°* Surface *81°* Drift

Trawl or dredge *8' Bl. - Albatross as before*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.06.10</i>	<i>11.21.15</i>	0	<i>11.36.30</i>	<i>12.50.10</i>
<i>07.50</i>	<i>19.55</i>	100	<i>40.20</i>	<i>46.30</i>
<i>09.10</i>	<i>18.55</i>	200	<i>43.20</i>	<i>43.00</i>
<i>10.15</i>	<i>17.55</i>	300	<i>46.30</i>	<i>39.30</i>
<i>11.20</i>	<i>16.55</i>	400	<i>49.30</i>	<i>36.10</i>
<i>12.30</i>	<i>15.50</i>	500	<i>52.45</i>	<i>32.00</i>
<i>11.14.00</i>	<i>11.15.00</i>	<i>581</i>	<i>56.00</i>	<i>26.45</i>
		<i>600</i>		
		<i>640</i>		
		700	<i>12.00.00</i>	<i>12-21-30</i>
		800		<i>21 Min</i>
		900		
		1000		
		1100		
<i>This station also marks the end of sta. Dr. 4621.</i>			<i>Net torn - near</i>	
<i>Quid when on bottom 4 fathoms</i>				
<i>0 20 hds dredging from</i>		1300		
<i>1 1/4 to 2</i>		1400		
<i>0 While heaving in 1 1/2 to 2 1/4</i>		1500	<i>704 to 600</i>	
<i>1 1/4 to 1 3/4</i>		1600	<i>600 to 500</i>	
<i>1 1/4 to 1 1/2</i>		1700	<i>500 to 400</i>	
<i>1 1/4 to 1 1/2</i>		1800	<i>400 to 300</i>	
<i>1 to 1 1/2</i>		1900	<i>300 to 200</i>	
<i>1 to 1 1/4</i>		2000	<i>200 to 100</i>	
<i>1 1/4</i>		2100	<i>100 to 0</i>	
		2200		
		2300		
		2400		

6-31 N. 81-44 W.

Dr. Course: W. by S.

Cloudy.

Light breeze from South

Gentle swell.

Bar. 29.80.

Ther. at 82°

Wedge stopped 30 seconds at 500

bag.