

No 5.

Cable Survey.

—

195 - Nov 14 7 1891

to

235 - No 1 18 7 1891

—

$$\begin{array}{r} 614 \\ 52 \\ \hline 565 \end{array}$$

615-17

50 - 0

100 - 0

150 - 1

200 - 2

250 - 3

300 - 4

350 - 5

400 - 7

450 - 9

500 - 10

550 - 13

600 - 17

650 - 17

$$\begin{array}{r} 615 \\ 45 \\ \hline 571 \end{array}$$

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

4.32
Started down SERIAL TEMPERATURES. Came up

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
463 25	69	69 488		
439 50	65.9	61 755		
414 100	65.9	69 280		
864 200	62.4	69 478		
766 300	50.0	51 141		
668 400	42.8	68 923		
572 500	40.4	66 232		
475 600	45.9	68 848	too much	
379 700	38.6	62 358		
283 800	37.9	69 455		
188 900	37.2	66 665		
92 1000	37.0	54 815		
	36.8			

down. REMARKS: Started up

507. *e.o.* 2850

No. *195 Survey* Date *Nov^r 14 1891*
Sigsbee Machine. *1 Reel. *Survey*

Turns *2465* Cor. + *170* Depth *2635 fms*

Shot or lead *60 lbs*

Bottom *m. G.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *73* Surface *73* Drift *—*

Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5. 15. 40</i>	<i>15-00</i>	<i>0</i>		
<i>16. 35</i>	<i>14-00</i>	<i>100</i>		
<i>17. 35</i>	<i>13-15</i>	<i>200</i>		
<i>18. 35</i>	<i>12-30</i>	<i>300</i>		
<i>19. 40</i>	<i>11-30</i>	<i>400</i>		
<i>20. 45</i>	<i>10-45</i>	<i>500</i>		
<i>21. 50</i>	<i>09-45</i>	<i>600</i>		
<i>22. 55</i>	<i>08-45</i>	<i>700</i>		
<i>24. 05</i>	<i>07-45</i>	<i>800</i>		
<i>25. 15</i>	<i>06-30</i>	<i>900</i>		
<i>26. 30</i>	<i>05-15</i>	<i>1000</i>		
<i>27. 45</i>	<i>04-00</i>	<i>1100</i>		
<i>28. 55</i>	<i>03-00</i>	<i>1200</i>		
<i>30. 05</i>	<i>02-00</i>	<i>1300</i>		
<i>31. 35</i>	<i>01-00</i>	<i>1400</i>		
<i>32. 50</i>	<i>6-00. 00</i>	<i>1500</i>		
<i>34. 30</i>	<i>59-00</i>	<i>1600</i>		
<i>35. 40</i>	<i>58-00</i>	<i>1700</i>		
<i>37. 05</i>	<i>57. 00</i>	<i>1800</i>		
<i>38. 30</i>	<i>56. 00</i>	<i>1900</i>		
<i>39. 50</i>	<i>54. 50</i>	<i>2000</i>		
<i>41. 30</i>	<i>53. 35</i>	<i>2100</i>		
<i>42. 50</i>	<i>52. 20</i>	<i>2200</i>		
<i>44. 15</i>	<i>51. 05</i>	<i>2300</i>		
<i>46. 05</i>	<i>50. 00</i>	<i>2400</i>		
<i>46. 50</i>	<i>5. 49. 00</i>	<i>65</i>		

P. log used 74. 4 Interval 12'
Rail 7/10 knots while hauling in

2500	4682	219
	2465	49
2600		<hr/>
2700	2217	170
		2465
2800		<hr/>
2900		2635
3000		
3100		
3200		219
		49
3300	4682	<hr/>
	1889	170
3400	2793	2465
		<hr/>
3500		2635
3600	4682	219
	2465	49
3700		<hr/>
	2217	170
3800		2465
		<hr/>
3900		2635
		<hr/>
4000		2387

Each instrument was ten' finer
deeper than it should have been

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10	73.0	52732	00	73.0
25	69.0	69488	-0.4	68.6
50	65.9	61755	0-0	65.9
100	62.4	69480	+0.1	62.5
200	50.0	69478	-0.2	49.8
300	42.8	51451	-0.3	42.5
400	40.4	63913	-0.0	40.4
500	45.7	66724	too much	
600	38.6	68848	-0.1	38.5
700	37.9	62358	-0.1	37.8
800	37.2	69485	+0.1	37.3
900	37.0	66665	-0.0	37.0
1000	36.8	54815	-0.3	36.5

REMARKS:

Towed surface net for ten minutes -

2 sps. Amphipod crustaceans -
Few Portuguese Men-of-War.

1750
507.
2.4.11

2851

No. 196 Survey. Date Nov^r 14-1891.

Sigsbee Machine. #1 Reel. Tary.

Turns 2607 Cor. + 175 Depth 2782 fms.

Shot or lead 60 lbs.

Bottom *bn dy. 355*

Bottom temperature

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.2

Air 72° Surface 72° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-29-00	31-45	0		
30-30	30-45	100		
31-30	29-55	200		
32-30	29-5	300		
33-30	28-15	400		
34-30	27-30	500		
35-15	26-40	600		
36-20	25-40	700		
37-25	24-35	800		
38-30	23-25	900		
39-35	22-0	1000		
40-45	20-45	1100		
42-00	19-35	1200		
43-10	18-30	1300		
44-25	17-30	1400		
45-45	16-20	1500		
47-00	15-10	1600		
48-30	14-05	1700		
49-50	12-55	1800		
51-10	11-45	1900		
52-30	10-25	2000		
54-00	09-0	2100		
55-30	07-35	2200		
57-00	06-20	2300		
58-30	8-05-15	2400		

Interval 12'-
 Log read: 86.4
 Ran 1-6 while hauling in

am.

8-00-10	05-0	2500	4682	219
02-00	8-04-00	2600	2607	44
		2700	2075	175
		2800		2607
		2900		2782
		3000		
		3100		
		3200	4682	219
		3300	2607	44
		3400	2075	175
		3500		2607
		3600		2782
		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:

Towed surface net - white dredging.
Few Physalia, Vellula, small fish, many
bluish amphipods

2852

No. 197 Survey Date Nov. 14/91.

Sigsbee Machine #1 Reel. Mary

Turns 2670 Cor. + 178 Depth 2848 fms.

Shot or Lead 60 lbs.

Bottom brgy

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 72 Surface 72 Drift

Trawl or dredge

P.W.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9-43-40	48-16	0
44-40	47-20	100
45-35	46-45	200
46-30	46-5	300
47-25	45-20	400
48-25	44-30	500
49-30	43-45	600
50-35	42-50	700
51-40	41-45	800
52-45	40-40	900
53-50	39-30	1000
55-0	38-25	1100
56-15	37-20	1200
57-35	36-20	1300
58-45	35-5	1400
59-10	35-50	1500
10-0-15	32-40	1600
01-30	31-25	1700
02-50	30-20	1800
04-10	29-5	1900
05-30	27-55	2000
07-0	26-40	2100
08-25	25-35	2200
09-50	24-30	2300
12-55	10-23-10	2400

Log mag. 98:4 Interval 12' cleared 1-9-44 white whale netting in.

10-14-30	21-50	2500	4682	219
16-0	20-25	2600	2670	49
17-15	10-14-30	2700	2012	170
		2800		2670
		2900		2840
		3000		
		3100		
		3200		
		3300	4682	219
		3400	<u>2670</u>	<u>41</u>
		3500	2012	178
		3600		<u>2670</u>
		3700		2848
		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:

2853

No. 198 Surrey Date

Nov. 15/91

Digbee Machine #1 Reel. Gary

Turns 2682 Cor. + 178

Depth 2860 fms

Shot or lead 60 lbs.

Bottom fine gy

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air 72 Surface 73 Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-51-0	03.35	0		
01.45	03.00	100		
02.45	02.20	200		
03.35	01.45	300		
04.30	01.12	400		
05.40	1.00.25	500		
06.45	59.35	600		
07.40	58.45	700		
08.45	57.50	800		
09.50	56.57	900		
11.05	56.00	1000		
12.15	55.00	1100		
13.30	54.05	1200		
14.50	53.05	1300		
16.15	52.00	1400		
17.30	50.55	1500		
18.50	49.55	1600		
20.20	49.00	1700		
21.40	47.50	1800		
23.15	46.40	1900		
24.40	45.35	2000		
26.05	44.30	2100		
27.30	43.20	2200		
29.05	42.15	2300		
30.40	12.41.10	2400		

12 miles
 Submerged
 Patent log read 10.4
 Ran 1.1 knots while hauling in

am

12.32.15	40.05	2500	4682	219
34.00	39.05	2600	2682	41
35.10	12.38.00	2700	2000	178
		2800		2682
		2900		2860
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2682	41
		3600	2000	178
		3700		2682
		3800		2860
		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:

JEB
101.

2854

No. 199 Survey Date Apr. 15th 1891
Sigsbee Machine. *1 Reel. Navy

Turns 2730 Cor. + 180 Depth 2910 fm

Shot or lead 60 lbs.

Bottom bu. gy

Bottom temperature 35.7°

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.4

Air 72 Surface 73 Drift —

Trawl or dredge —

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	AM UP.		DOWN.	UP.
2. 19. 50	51. 50	0		
20. 55	50. 25	100		
21. 50	49. 35	200		
22. 50	48. 35	300		
23. 50	47. 45	400		
24. 55	46. 45	500		
25. 55	45. 40	600		
27. 00	44. 35	700		
28. 05	43. 30	800		
29. 12	42. 20	900		
30. 20	41. 15	1000		
31. 30	40. 05	1100		
32. 40	39. 00	1200		
34. 00	37. 50	1300		
35. 15	36. 30	1400		
36. 35	35. 45	1500		
37. 55	34. 10	1600		
39. 15	32. 20	1700		
40. 45	30. 10	1800		
42. 05	26. 10	1900		
43. 30	24. 20	2000		
45. 00	22. 50	2100		
46. 25	21. 25	2200		
47. 50	20. 05	2300		
49. 30	18. 40	2400		

Patent Log read 22.4 Initial 12 miles
Raw / Spools whole haul

am

2.50.55	17.20	2500	4682	219
52.45	15.20	2600	2730	39
54.35	12.30	2700	1952	180
55.00	3.11.40	2800		2730
		2900		2900
		3000		
		3100		
		3200	4682	219
		3300	2730	39
		3400	1952	180
		3500		2730
		3600		2910
		3700		
		3800		
		3900		
		4000		

Lost 15 min in
detaching shot }

Time lost in ceiling
in caused by new shot,
clipping & shattering

SERIAL TEMPERATURES.

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

REMARKS:



2855

No. 200 Survey, Date Nov^r 15-1891 -
Sigsbee Machine. #1 Reel. Navy.

Turns 2734 Cor. + 180 Depth 2914 fms.

Shot or lead 60 lbs.

Bottom br. gy

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 72 Surface 73 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-07-45	24-00	0		
08-45	23-00	100		
09-45	22-15	200		
10-45	21-30	300		
11-45	20-45	400		
12-45	20-00	500		
13-45	19-00	600		
14-45	18-00	700		
15-45	17-00	800		
16-45	15-45	900		
17-50	14-45	1000		
19-10	13-45	1100		
20-20	12-40	1200		
21-30	11-45	1300		
22-45	10-45	1400		
24-00	10-00	1500		
25-20	09-00	1600		
26-45	08-00	1700		
28-00	07-00	1800		
29-30	06-00	1900		
31-00	05-00	2000		
32-30	04-00	2100		
34-00	03-00	2200		
35-30	02-00	2300		
37-00	6-01-00	2400		

Log read 34.4 Interval 12' -
 Ran 1 ³/₁₀ ' while heaving in

A.M.

5-38-30	6-00-00	2500	4682	219
46-00	58-45	2600	2727	39
41-30	57-30	2700	195.5	180
42-00	5-56-30	2784		2727
		2800		2907
		2900		
		3000		
		3100	4682	219
		3200	2734	39
		3300	1948	180
		3400		2734
		3500		2914
		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:

Delayed 14 minutes detaching phot.

1700.

507.

2856

No. 201 Survey Date Nov^r 15-1897.

Sigsbee Machine. *1 Reel. Vary-

Turns 2660 Cor. + 199 Depth 2837 fms.

Shot or lead 60 lbs.

Bottom fine gy.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 72 Surface 73 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-42-00	39-0-0	0		
42-45	38-25	100		
43-35	37-35	200		
44-25	36-50	300		
45-20	36-15	400		
46-15	35-35	500		
47-15	34-55	600		
48-15	34-10	700		
49-20	33-20	800		
50-25	32-35	900		
51-30	31-45	1000		
52-40	30-50	1100		
53-45	29-55	1200		
55-00	29-0	1300		
56-00	28-0	1400		
57-15	27-5	1500		
58-30	26-5	1600		
59-30	25-15	1700		
8-0-15	24-25	1800		
01-35	23-30	1900		
02-55	22-30	2000		
04-20	21-30	2100		
05-45	20-35	2200		
07-15	19-40	2300		
08-40	18-40	2400		

Log wind 46-4 Direction 12'
Made 6/10 knots while reeling in

8-10-10	17-40	2500	4682	219
11-45	16-40	2600	2660	55
12-45	8-16-0	2700	2022	169
		2800		2660
		2900		2829
		3000		
		3100		
		3200	4682	219
		3300	2660	.42
		3400	2022	17.7
		3500		2660
		3600		2837
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				2914
700				2879
800				95
900				
1000				

REMARKS:

2857

No. 202 *Surrey* Date *November 15/91*
Pigaboo Machine. #1 Reel. *Star*

Turns *2460* Cor. + *169* Depth *2629*

Shot or lead *60 lbs.*

Bottom *Un. oz. 35.5*

Bottom temperature
 No. of thermometer *57815* Cor. - *0.3*
 Corrected temperature *35.2*

Air *73* Surface *73* Drift -

Trawl or dredge -

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
<i>9-55-40</i>	<i>52-25</i>	0		
<i>56-40</i>	<i>51-20</i>	100		
<i>57-35</i>	<i>50-30</i>	200		
<i>58-20</i>	<i>49-45</i>	300		
<i>59-20</i>	<i>49-0</i>	400		
<i>10-0-15</i>	<i>48-0</i>	500		
<i>01-15</i>	<i>47-5</i>	600		
<i>02-15</i>	<i>46-15</i>	700		
<i>03-20</i>	<i>45-20</i>	800		
<i>04-25</i>	<i>44-30</i>	900		
<i>05-30</i>	<i>43-35</i>	1000		
<i>06-40</i>	<i>42-35</i>	1100		
<i>07-45</i>	<i>41-25</i>	1200		
<i>08-55</i>	<i>40-15</i>	1300		
<i>10-15</i>	<i>39-0</i>	1400		
<i>11-25</i>	<i>37-50</i>	1500		
<i>12-40</i>	<i>36-35</i>	1600		
<i>13-45</i>	<i>35-20</i>	1700		
<i>15-20</i>	<i>34-10</i>	1800		
<i>16-40</i>	<i>33-0</i>	1900		
<i>18-0</i>	<i>31-45</i>	2000		
<i>19-25</i>	<i>30-35</i>	2100		
<i>20-55</i>	<i>29-20</i>	2200		
<i>22-20</i>	<i>28-10</i>	2300		
<i>23-55</i>	<i>10-27-10</i>	2400		

Internal 12'
 Log read 55-11
 Made 1-4 1/2 knots while making in

am

10-25-0	10-26-30			
		2500	4682	219
		2600	2460	50
		2700	2222	169
		2800		2460
		2900		2629
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2460	50
		3600	2222	169
		3700		2460
		3800		2629
		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:

613 7858

No. 203 Sundry Date November 15/91
 Riggs Machine #1 Reel. Starry
 Turns 2619 Cor. + 176 Depth 2795 fms
 Shot or lead 60 lbs
 Bottom br. g
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 75 Surface 74 Drift _____
 Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-59.55	1.00.30	0		
12 00.50	59.15	100		
01.50	58.30	200		
02.45	57.45	300		
03.40	57.00	400		
04.40	56.15	500		
05.40	55.20	600		
06.45	54.30	700		
07.45	53.35	800		
08.50	52.30	900		
09.55	51.30	1000		
11 10	50.25	1100		
12.20	49.15	1200		
13.30	48.10	1300		
14.50	47.05	1400		
16.05	45.55	1500		
17 15	44.45	1600		
18.30	43.40	1700		
19.50	42.30	1800		
21.05	41.25	1900		
22.30	40.15	2000		
23.50	39.10	2100		
25.20	38.05	2200		
26.40	37.00	2300		
27.05	36.15	2400		

Log read. 70.4 Interval. 12'
 Abundant 1.2 knots white pelagic ins.

P.M.

Lev. 5

12. 29.40	34.35	2500	4682	219
31. 10	12.33.20	2600	2619	43
		2700	2063	176
		2800		2619
		2900		2795
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2619	43
		3500	2063	176
		3600		2619
		3700		2795
		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:

2859

No. 204 Survey Date November 15, 1899
 Machine #1 Reel. Navy
 Turns 2748 Cor. + 181 Depth 2929 fms
 Shot or lead 60 lbs
 Bottom br. oz
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 75 Surface 74 Drift _____
 Trawl or dredge Intermediate

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 13. 45	12. 45	0		
4. 45	12. 15	100		
6. 30	11. 45	200		
8. 20	11. 10	300		
10. 25	10. 35	400		
12. 05	10. 00	500		
14. 00	09. 20	600		
16. 50	08. 45	700		
18. 50	08. 05	800		
20. 05	07. 30	900		
22. 15	06. 40	1000		
24. 20	05. 50	1100		
25. 45	04. 50	1200		
26. 40	04. 05	1300		
27. 50	03. 00	1400		
29. 04	02. 50	1500		
30. 20	00. 40	1600		
31. 30	59. 35	1700		
32. 45	58. 25	1800		
34. 05	57. 20	1900		
35. 15	56. 15	2000		
36. 45	55. 10	2100		
38. 10	54. 00	2200		
39. 40	53. 50	2300		
41. 10	2. 51. 45	2400		

Patent log used - 82.4 fathoms 12' marks
 Reel #1 knob-wheel heavy use

PM

Put Intermediate
hawl over Port side

2.42.30	50.35	2500	Down	260
44.00	49.25	2600	2.34	14
45.35	48.15	2700	44	3.05
46.00	2.47.00	2800	Trawl tined at 100 fms depth	
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4682	219	3500	4682	219
2748	38	3600	2748	38
1934	181	3700	1934	181
	2748	3800		2748
	2929	3900		2929
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Towed surface net ten minutes.			
200				
300				
400	Amphipod Crustaceans -			
500	3 small Physalia			
600				
700				
800				
900				
1000				

REMARKS:

Bottom net Upper net
 Catch at 100 fms Release fine + surface
 for 4 minute 2 Small amphipods
 crustaceans. 1 " shrimp
 1 small sponge?

MSD. 2860

No. 205 Survey. Date Nov^r = 15th 1891.
 Sigsbee Machine. #1 Reel. Navy.
 Turns 2639 Cor. + 176 Depth 2815 fms.
 Shot or lead 60 lbs.
 Bottom m. G.
 Bottom temperature 35.6
 No. of thermometer 54815 Cor. - 0.3
 Corrected temperature 35.3
 Air 75 Surface 74 Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-40-15	41-00	0		
41-15	39-45	100		
42-15	39-00	200		
43-00	38-05	300		
43-45	37-10	400		
44-45	36-15	500		
45-35	35-20	600		
46-40	34-20	700		
47-40	33-15	800		
48-35	32-10	900		
49-35	31-05	1000		
50-45	30-00	1100		
51-55	29-00	1200		
53-10	28-00	1300		
54-15	27-00	1400		
54-35	26-00	1500		
55-45	25-00	1600		
57-5	24-00	1700		
58-25	22-50	1800		
59-40	21-45	1900		
5-0-5	20-35	2000		
02-15	19-30	2100		
03-50	18-15	2200		
05-20	17-10	2300		
06-50	5-16-00	2400		

Interval 12' -
 Log read: 94.4 -
 Raw 1 3/10 knots while pulling in

P.M.

5-08-25	15-00	2500	4682	219
10-0	14-00	2600	3639	43
10-45	5-13-30	2700	<u>2043</u>	176
		2800		<u>3639</u>
		2900		2815
		3000		
		3100		
		3200	4682	219
		3300	<u>2639</u>	43
		3400	2043	176
		3500		<u>2639</u>
		3600		2815
		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:

2861

No. 206. Sundry Date

Nov. 15/91

Machine #1 Reel. Cary

Turns 2720 Cor. + 178 Depth 2898 fms.

Shot or lead 60 lbs

Bottom bn oz.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 72 Surface 74 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-54-25	59-30	0		
55-30	58-40	100		
56-35	57-55	200		
57-35	57-10	300		
58-40	56-25	400		
59-40	55-40	500		
7-0-45	54-50	600		
01-50	54-0	700		
03-0	53-5	800		
04-5	52-15	900		
05-15	51-20	1000		
06-30	50-30	1100		
07-45	49-30	1200		
09-5	48-30	1300		
10-25	47-30	1400		
11-45	46-30	1500		
13-10	45-15	1600		
14-35	44-5	1700		
16-0	43-0	1800		
17-25	41-40	1900		
18-55	40-30	2000		
20-20	39-20	2100		
21-50	38-10	2200		
23-30	36-55	2300		
25-57	35-55	2400		

Dog read 6:4 Interval 12
 clock 1:8 Knot while reeling in

7-26-40	34-35	2500	4682	219
28-10	33-25	2600	2720	40
30-0	7-32-0	2700	1962	178
		2720		
		2800		2720
		2900		
		3000		2898
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2720	40
		3600	1962	179
		3700		2720
		3800		2899
		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:

230

Feb 2862

No. 207 Sundry Date Nov. 15th 91

Sigsbee Machine. 11 Reel. Navy

Turns 2717 Cor. + 179 Depth 2896 fms

Shot ~~on lead~~ 60 lbs.

Bottom bn. of

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 72 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.07.10	14.05	0		
08.05	13.25	100		
09.45	12.40	200		
10.40	12.05	300		
11.30	11.20	400		
12.30	10.45	500		
13.30	09.55	600		
14.25	09.00	700		
15.30	08.20	800		
16.35	07.30	900		
17.40	06.35	1000		
18.45	05.45	1100		
19.55	04.45	1200		
20.15	03.45	1300		
22.30	02.50	1400		
23.45	10.01.45	1500		
25.05	59.55	1600		
26.35	58.45	1700		
28.00	57.30	1800		
29.20	56.10	1900		
30.55	54.50	2000		
32.30	53.50	2100		
33.50	52.50	2200		
35.15	50.50	2300		
36.50	9.49.05	2400		

12 miles
 Put log and 16.4
 Run 1.6 knot while hauling in

Pm

9.38.25	47.05	2500	4682	219
40.05	45.35	2600	2717	40
41.45	9.44.00	2700	1965	179
		2800		2717
		2900		2896
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2717	40
		3500	1965	179
		3600		2717
		3700		2896
		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:

Feb 3
2863

No. 208 Sigsbee Machine. #1 Reel. Date Nov. 15 1891.

Turns 2744 Cor. + 181 Depth 2925 fms.

Shot or lead 60 lbs.

Bottom *bu g*

Bottom temperature 35.6

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 71 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.31.10	42-65	0		
32.10	41-00	100		
34.35	40-00	200		
35.45	39-00	300		
36.50	38-00	400		
37.55	37-00	500		
39.00	36-00	600		
40.15	35-00	700		
41.35	34-00	800		
42.50	33-00	900		
44.45	32-00	1000		
45.40	31-00	1100		
47.00	30-00	1200		
48.20	29-00	1300		
49.50	28-00	1400		
51.20	26-55	1500		
52.45	25-50	1600		
54.00	24-45	1700		
55.45	23-45	1800		
57.15	22-40	1900		
58.45	21-35	2000		
<i>Am. Nov. 16</i> 12.00.20	20-30	2100		
01-45	19-20	2200		
03-30	18-10	2300		
05-10	17-00	2400		

*Pat. Log read 30.4 interval 12 min
 Raw 1 knots while hauling in*

A.M. Nov. 16-

12-07-00	16-00	2500	4682	219
08-40	15-00	2600	<u>2744</u>	38
10-30	13-45	2700	1940	181
11-30	12-13-00	2700		<u>2744</u>
		2800		2925
		2900		
		3000		
		3100		
		3200		
		3300	4682	219
		3400	<u>2744</u>	38
		3500	1938	181
		3600		<u>2744</u>
		3700		2925
		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:

N.C. 607.

2864

No. 209 Sundry, Date Nov 2 16-1891.

Sigsbee Machine. *1 Reel. Vany.

Turns 2715 Cor. + 179 Depth 2894 fms.

Shot or lead 60 lbs.

Bottom br. gy

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 71 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-58-30	04-30	0		
59-30	03-40	100		
2-00-30	03-10	200		
01-45	02-25	300		
02-45	01-30	400		
04-00	00-45	500		
05-10	3-00-00	600		
06-20	59-00	700		
07-30	58-00	800		
08-40	57-00	900		
09-50	56-00	1000		
11-00	55-00	1100		
12-30	54-00	1200		
13-50	53-00	1300		
15-15	52-00	1400		
16-40	50-30	1500		
18-00	49-30	1600		
19-30	48-15	1700		
21-00	47-00	1800		
22-15	46-00	1900		
23-45	45-00	2000		
25-15	44-00	2100		
27-00	43-00	2200		
28-30	42-00	2300		
30-15	2-41-00	2400		

Interval 12' -
 Log read: 42.4
 Run 1 4/10 knots while reeling in.

A.M.

2-32-00	40-00	2500	4682	219
33-30	39-00	2600	2715	40
35-30	38-00	2700	1967	179
35-50	2-37-45	2800		2715
		2900		2894
		3000		
		3100		
		3200	4682	219
		3300	2715	40
		3400	7967	179
		3500		2715
		3600		2894
		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:

2865

No. 210 *Surry* Date *Nov. 16/91.*

Cigarette Machine # Reel. *Stary*

Turns 2761 Cor. + 181

Depth 2942 fms.

Shot or lead 60 lbs

Bottom *bu. gy.*

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 71 Surface 74 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-22-0	33-0	0		
23-5	32-20	100		
24-0	31-40	200		
25-5	31-05	300		
26-5	30-50	400		
27-0	29-40	500		
28-0	28-55	600		
29-0	28-10	700		
30-5	27-25	800		
31-10	26-35	900		
32-15	25-35	1000		
33-30	24-25	1100		
34-50	22-45	1200		
35-0	21-20	1300		
37-20	19-35	1400		
38-25	18-0	1500		
40-0	16-30	1600		
41-30	15-05	1700		
42-55	13-45	1800		
44-20	12-35	1900		
45-40	11-25	2000		
47-15	10-15	2100		
49-0	09-0	2200		
50-30	07-40	2300		
52-0	5-06-30	2400		

Interval 121
 Log head 54:4
 attached 1-6 knots whole reel in

4-53-45	05-5	2500	4682	219
05-30	03-40	2600	2761	38
57-15	02-15	2700		181
58-40	5-01-30	2800	1921	2761
		2900		2942
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2761	38
		3600	1921	181
		3700		2761
		3800		2942
		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:

2866

No. 211 Tunny Date Nov. 16/91.
 Machine. #1 Reel. 211
 Turns 2802 Cor. + 183 Depth 2985 fms
 Shot or lead 60 lbs.
 Bottom br. g.
 Bottom temperature 35.2
 No. of thermometer 54815 Cor. -0.3
 Corrected temperature 35.3
 Air 72 Surface 74 Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-47-15	08 00	0		
48-20	07.00	100		
49-20	06.10	200		
50-30	05.10	300		
51-45	04.10	400		
52-55	03.10	500		
54-0	02.10	600		
55-10	00.55	700		
56-20	8.00.00	800		
57-30	59.00	900		
58-45	58.00	1000		
7-0-0	57.05	1100		
01-15	56.05	1200		
02-35	55.00	1300		
03-55	53.50	1400		
05-15	52.05	1500		
06-45	50.45	1600		
08-20	49.25	1700		
09-55	48.0	1800		
11-35	46.45	1900		
13-15	45.30	2000		
15-5	44.15	2100		
16-50	43.0	2200		
18-45	40.45	2300		
22-50	7.40.30	2400		

Log read 66:4 Interval 13'
 checked 1.6 knots while reeling in

17-24-40	39-0	2500	4682	219
27-10	37-40	2600	5802	36
30-0	36-20	2700		183
32-15	7-35-0	2800	1880	5802
		2900		2985
		3000		
		3100		
		3200		2672
		3300	4682	219
		3400	2802	36
		3500	1880	183
		3600		2802
		3700		2985
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300			219	
400			89	2672
500				
600		4682		219
700		2672		47
800		2050		176
900				2672
1000				2808

REMARKS:

507.

2867

No. 212 Survey Date Nov 16th 1891
 Sigbee Machine. #1 Reel. Navy
 Turns 2820 Cor. + 183 Depth 3003 fms
 Shot or lead 60 lbs.
 Bottom m. gy
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 73 Surface 75 Drift _____
 Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.22.30	28.00	0		
23.45	26.55	100		
24.45	26.15	200		
25.45	25.30	300		
26.45	24.45	400		
27.50	24.00	500		
28.57	23.15	600		
30.05	22.25	700		
31.20	21.35	800		
32.30	20.45	900		
33.40	19.50	1000		
34.55	18.55	1100		
36.10	18.00	1200		
37.25	17.10	1300		
38.45	16.15	1400		
40.10	15.20	1500		
41.35	14.15	1600		
42.55	13.15	1700		
44.30	12.20	1800		
45.50	11.25	1900		
47.10	10.25	2000		
48.50	09.35	2100		
50.10	08.30	2200		
51.55	07.25	2300		
53.25	10.06.25	2400		

Patent Log used 78.4 fathoms 1.2 miles
 Row 1.3 knots while heaving in

am

9.55. 10	05.30	2500	4682	219
56. 45	04.30	2600	2820	36
58. 25	03.20	2700	1862	183
10 00. 10	10.02.15	2800		2820
		2900		3003
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2820	36
		3600	1862	183
		3700		2820
		3800		3003
		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:

Job
 507. *NO. 2 7868.*

No. *213* Survey Date *November 16th 91*
 Sigsbee Machine. *1 Reel. *Navv*
 Turns *2686* Cor. + *178* Depth *2864 fms.*
 Shot or lead *60 lbs.*
 Bottom *kn. G.*
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air *73* Surface *75* Drift _____
 Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.33.50</i>	<i>09-00</i>	0		
<i>35.04</i>	<i>02-00</i>	100		
<i>36.00</i>	<i>01-30</i>	200		
<i>37.05</i>	<i>00-45</i>	300		
<i>38.07</i>	<i>1-00-10</i>	400		
<i>39.10</i>	<i>59-30</i>	500		
<i>40.15</i>	<i>58-45</i>	600		
<i>41.22</i>	<i>58-00</i>	700		
<i>42.35</i>	<i>57-15</i>	800		
<i>43.50</i>	<i>56-25</i>	900		
<i>45.05</i>	<i>55-30</i>	1000		
<i>46.15</i>	<i>54-40</i>	1100		
<i>47.40</i>	<i>53-45</i>	1200		
<i>49.00</i>	<i>52-45</i>	1300		
<i>50.20</i>	<i>51-45</i>	1400		
<i>51.45</i>	<i>50-45</i>	1500		
<i>53.00</i>	<i>49-40</i>	1600		
<i>54.15</i>	<i>48-40</i>	1700		
<i>55.45</i>	<i>47-30</i>	1800		
<i>57.15</i>	<i>46-20</i>	1900		
<i>58.45</i>	<i>45-10</i>	2000		
<i>12.00.15</i>	<i>44-00</i>	2100		
<i>02-30</i>	<i>43-00</i>	2200		
<i>04-00</i>	<i>41-45</i>	2300		
<i>05-45</i>	<i>12-40-30</i>	2400		

Interval 12' -
P. log read 90.4
Ran 1 1/10 knots while reeling in

B.M.

12-07-15	39-15	2500	4682	219
09-00	38-00	2600	2686	41
10-30	12-36-15	2686	2000	178
		2700		
		2800		2686
		2900		2864
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2686	41
		3600	1996	178
		3700		2686
		3800		2864
		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:

Delayed 26 minutes detaching shot.

H.O. 2869

No. 214 Survey. Date Nov^r 16th 1891.

Sigsbee Machine. #1 Reel. Vary-
Turns 2809 Cor. + 183 Depth 2992 fms.

Shot or lead 60 lbs.

Bottom m. G.

Bottom temperature 35.6

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 75 Surface 75 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-20-15	35-00	0		
22-30	33-30	100		
23-30	32-40	200		
24-15	31-40	300		
25-20	30-45	400		
26-25	29-45	500		
27-30	28-45	600		
28-45	27-45	700		
29-45	26-50	800		
31-00	25-50	900		
32-10	24-50	1000		
33-30	23-50	1100		
34-45	22-45	1200		
36-00	21-30	1300		
37-30	20-15	1400		
38-45	19-00	1500		
40-15	17-45	1600		
41-45	16-15	1700		
43-15	14-45	1800		
44-45	13-15	1900		
46-15	11-45	2000		
47-45	10-30	2100		
49-15	09-15	2200		
50-45	07-45	2300		
52-15	3-06-30	2400		

300
400
Make mark

log read: 102.4 Interval 12'
Row 13/10 knots while reeling in.

P.M.

2-53-45	05-15	2500 ^N	4682	219-
55-30	03-50	2600	2809	36
57-00	02-40	2700	1873	183
58-45	3-01-00	2809		2809
		2900		2992
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2809	36
		3600	1873	183
		3700		2809
		3800		2992
		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
2870

No. *215* *Sunny* Date *Nov. 16th 91*

Digbee Machine. # *7* Reel. *None*
 Turns *2854* Cor. + *185* Depth *3039*

Shot or lead *60 lbs.*

Bottom *bn. g.*

Bottom temperature

No. of thermometer _____ Cor. _____

Corrected temperature

Air *74* Surface *75* Drift _____

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4-48-10</i>	<i>04.00</i>	0		
<i>49-15</i>	<i>03.20</i>	100		
<i>50.05</i>	<i>02.30</i>	200		
<i>51.15</i>	<i>01.50</i>	300		
<i>52.20</i>	<i>01.05</i>	400		
<i>53.35</i>	<i>6.00.05</i>	500		
<i>54.50</i>	<i>59.05</i>	600		
<i>56.00</i>	<i>57-50</i>	700		
<i>57.05</i>	<i>56-30</i>	800		
<i>58.15</i>	<i>55-30</i>	900		
<i>59-50</i>	<i>54-10</i>	1000		
<i>5-01-05</i>	<i>52-50</i>	1100		
<i>02-25</i>	<i>51-30</i>	1200		
<i>03-45</i>	<i>50-10</i>	1300		
<i>05-0</i>	<i>48-50</i>	1400		
<i>06-25</i>	<i>47-30</i>	1500		
<i>07-45</i>	<i>46-15</i>	1600		
<i>09-0</i>	<i>45-0</i>	1700		
<i>10-25</i>	<i>43-40</i>	1800		
<i>11-55</i>	<i>42-15</i>	1900		
<i>13-15</i>	<i>41-0</i>	2000		
<i>14-45</i>	<i>39-40</i>	2100		
<i>16-15</i>	<i>38-30</i>	2200		
<i>17-55</i>	<i>37-5</i>	2300		
<i>19-25</i>	<i>5-35-50</i>	2400		

Internal 12'
Log reads 14:4
Weight 1.5 Hrs. while reeling in

5-21-5	39-20	2500	4682	219
22-45	37-45	2600	2854	34
24-20	26-25	2700		185
26-05	5-34-50	2800	1828	2854
		2854		
		2900		
		3000		3039
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2854	34
		3600	1828	185
		3700		2854
		3800		3039
		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:

2871

No. 216 Survey Date November 16 '00
 Sigsbee Machine #1 Reel. Navy
 Turns 1824 Cor. + 184 Depth 3008 fms
 Shot or lead 60 lbs
 Bottom m. gy.
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 74 Surface 75 Drift _____
 Trawl or dredge _____

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
7. 17. 50	25-30	0		
18. 40	24-30	100		
19. 40	24-00	200		
20. 45	23-20	300		
21. 50	22-45	400		
22. 55	22-00	500		
24. 10	21-15	600		
25. 15	20-30	700		
26. 25	19-40	800		
27. 35	18-50	900		
28. 50	18-00	1000		
30. 05	17-10	1100		
31. 35	16-20	1200		
32. 45	15-25	1300		
34. 00	14-30	1400		
35. 30	13-35	1500		
36. 55	12-35	1600		
38. 15	11-40	1700		
39. 45	10-40	1800		
41. 10	09-40	1900		
42. 35	08-35	2000		
44. 10	07-30	2100		
45. 35	06-30	2200		
47. 05	05-30	2300		
48. 50	8-04-30	2400		

Interval 12' -
 Log recd. 26.4
 Row 1 1/10 knots while reeling in

PM

4.50.30	03-30	2500	4682	219
52.10	02-20	2600	2824	35
53.40	8.01.10	2700	1858	184
55.10	7.59.50	2800		2824
		2900		3008
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2824	35
		3500	1858	184
		3600		2824
		3700		3008
		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:

2872

No. 217 Survey, Date Nov^r 16-1891
 Sigbee Machine. #1 Reel. Navy-

Turns 2799 Cor. + 183 Depth 2982 fms

Shot or lead 60 lbs.

Bottom m, Oj.

Bottom temperature 35.6

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.3

Air 74 Surface 75 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-42-45	55-00	0		
43-45	53-40	100		
44-45	52-40	200		
45-45	51-45	300		
46-45	50-45	400		
47-45	49-45	500		
48-45	48-45	600		
49-45	47-45	700		
50-45	46-45	800		
52-00	45-45	900		
53-15	44-45	1000		
54-30	43-40	1100		
55-45	42-35	1200		
57-00	41-30	1300		
58-30	40-15	1400		
59-45	39-00	1500		
10-00-01	37-30	1600		
02-20	36-00	1700		
03-45	34-15	1800		
05-10	32-45	1900		
06-30	31-15	2000		
08-00	30-00	2100		
09-30	28-30	2200		
11-00	27-15	2300		
12-30	10-25-40	2400		

Interval 12' -
 Day read: 38,4 -
 Row 2 knots while reeling in.

P.M.

10-14-00	24-30	2500	4682	219
15-30	22-15	2600	2799	36
17-00	21-45	2700	1883	183
18-30	10-20-30	2800		2799
		2900		2982
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2799	36
		3500	1883	183
		3600		2799
		3700		2982
		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:

2873

No. 218 Survey Date Mar. 17/91
 Digest Machine. 47 Reel. Mary

Turns 2852 Cor. + 185 Depth 3037

Shot or lead 60 lbs

Bottom m. gy

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 74 Surface 74 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-07-0	16-10	0		
08-0	15-30	100		
09-0	14-45	200		
10-0	14-15	300		
11-5	13-30	400		
12-10	12-45	500		
13-20	12-0	600		
14-20	11-15	700		
15-30	10-25	800		
16-45	09-35	900		
18-0	08-45	1000		
19-5	08-0	1100		
20-25	07-50	1200		
21-35	06-50	1300		
23-0	05-55	1400		
24-15	04-40	1500		
25-30	03-30	1600		
26-50	1-20	1700		
28-25	1-0-0	1800		
29-45	58-20	1900		
31-0	57-05	2000		
32-20	55-55	2100		
33-45	54-45	2200		
35-5	53-30	2300		
36-30	52-25	2400		

50-4 Sintered
 1-4 1/2 to whole reeling in

12-38-0	51-15	2500	4682	219
39-40	50-10	2600	<u>2852</u>	34
41-40	49-0	2700	1830	<u>185</u>
43-35	48-0	2800		<u>2852</u>
45-0	12-47-10	2900		<u>3037</u>
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	<u>2852</u>	34
		3600	1830	<u>185</u>
		3700		<u>2852</u>
		3800		<u>3037</u>
		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:

2874

No. 219. Surray Date

Nov. 17/91.

Machine. "1" Reel. Mary

Turns 7810 Cor. + 183 Depth 2993

Shot or lead 60 lbs.

Bottom m. gy.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 73 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-30-15	37-45	0
31-15	37-5	100
32-15	36-35	200
33-15	36-0	300
34-15	35-25	400
35-15	34-45	500
36-20	34-5	600
37-25	33-20	700
38-35	32-35	800
39-40	31-45	900
41-0	30-55	1000
42-0	30-0	1100
43-0	29-5	1200
44-15	28-0	1300
45-30	27-0	1400
46-45	25-45	1500
48-5	24-30	1600
49-25	23-20	1700
50-50	22-10	1800
52-15	21-0	1900
53-45	19-45	2000
55-15	18-30	2100
56-45	17-10	2200
58-10	15-55	2300
59-35	3-14-40	2400

Submarine 121
 Dog head 62:4
 attached 1/2 knots while reeling in

3-1-10	13-15	2500	4682	219
02-45	11-55	2600	2810	36
04-15	10-25	2700	1872	183
05-50	3-9-25	2800		2810
6-15		2900		2993
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2810	36
		3600	1872	183
		3700		2810
		3800		2993
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900		8017		
1000		2940		

REMARKS:

2875

No. 220 Survey Date

Nov. 17th 1891

Sigsbee Machine. *1 Reel. Navy

Turns 2842 Cor. + 185

Depth 3027 fms

Shot or lead 60 lbs.

Bottom fm. G. -

Bottom temperature 35.7

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.4

Air 73 Surface 74 Drift —

Trawl or dredge —

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4. 57. 05	12. 40	0
5. 58. 15	10. 35	100
5. 50. 30	09. 35	200
01. 30	08. 35	300
02. 35	07. 40	400
03. 40	06. 37	500
04. 50	05. 35	600
06. 05	04. 35	700
07. 15	03. 35	800
08. 20	02. 40	900
09. 40	01. 40	1000
10. 50	6. 00. 40	1100
12. 05	59. 40	1200
13. 35	58. 35	1300
14. 55	57. 35	1400
16. 20	56. 35	1500
17. 40	55. 30	1600
19. 07	54. 15	1700
20. 35	53. 05	1800
22. 05	51. 45	1900
23. 30	50. 10	2000
25. 00	48. 45	2100
26. 30	47. 35	2200
28. 05	46. 05	2300
29. 35	5. 44. 50	2400

Patent log 74.4. Interval 12' mts
 Run 1 mts while heaving in

am

5. 31.00	43.15	2500	46 82	219
32.35	41.50	2600	28 42	34
34.10	40.35	2700	18 40	18 5
35.50	5. 39.15	2800		2842
36.30	5. 37.20	2900		3027
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2842	34
		3500	1840	185
		3600		2842
		3700		3027
		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:

2876

No. 221 Survey Date Nov. 2nd 1891

Sigsbee Machine #1 Reel Navy

Turns 2887 Cor. + 186 Depth 3073 fms.

Shot or lead 60 lbs

Bottom Lost cup - No specimen obtained

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air 73 Surface 74 Drift _____

Trawl or dredge _____

all

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-32-30		0		
33-30		100		
34-20		200		
35-20		300		
36-30		400		
37-35		500		
38-40		600		
39-45		700		
40-50		800		
42-05		900		
43-20		1000		
44-40		1100		
45-55		1200		
47-15		1300		
48-30		1400		
49-55		1500		
51-20		1600		
52-45		1700		
54-05	-1859-	1800		
55-30	28-00	1900		
56-55	26-00	2000		
58-25	24-45	2100		
8 00-12	29-30	2200		
02-00	22-15	2300		
03-30	8-20-45	2400		

Wire parted at 1889 turns

Interval 12'

86.4

Ran - knots while reeling in

log read

A.M.

8-05-00	19-30	2500	4682	219
06-45	18-15	2600	2887	33
08-30	17-00	2700	1800	186
10-15	15-00	2800		2887
12-00	8-13-30	2887 2900		3073
		3000	4682	219
		3100	2887	33
		3200	1795	186
		3300		2887
		3400	4682	3073
		3500	1889	219
		3600	2793	33
		3700		186
		3800		2887
		3900		3073
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

Lost 1889 turns - 2028 fms -
 sounding wire - specimen cup -
 + 4 lb. lead.

507. 2877

No. 222 Survey. Date Nov^r 17-1891-

Sigsbee Machine * 1 Reel. Navy -

Turns 2770 Cor. + 182 Depth 2952 fms.

Shot or lead 60 lbs.

Bottom fn. gy.

Bottom temperature -

No. of thermometer - Cor. -

Corrected temperature -

Air 73 Surface 74 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-59-30	17-30	0		
10-00-30	16-30	100		
01-30	15-45	200		
02-30	15-15	300		
03-30	14-30	400		
04-30	13-45	500		
05-40	12-45	600		
06-50	12-00	700		
08-00	10-45	800		
09-20	09-30	900		
10-30	08-10	1000		
11-35	06-40	1100		
12-45	05-20	1200		
14-00	04-00	1300		
15-00	02-30	1400		
16-45	01-15	1500		
18-00	11-00-15	1600		
19-30	59-20	1700		
21-00	58-15	1800		
22-30	57-10	1900		
24-00	56-00	2000		
25-30	55-00	2100		
27-00	54-00	2200		
28-30	53-00	2300		
30-00	10-51-45	2400		

Interval 12' -
 Log read 98.4
 Raw 1 4/10 while reeling in.

A.M.

10-31-45	50-15	2500	4682	219
33-30	49-00	2600	2770	37
35-15	47-45	2700	1912	182
36-30	10-47-00	2770		2770
		2800		2952
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2770	37
		3600	1912	182
		3700		2770
		3800		2952
		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:

Delayed ten minutes to
detach shot.

P.M.

1-51-30	59-40	2500	4682	219
53-20	58-35	2600	2730	39
54-55	57-30	2700	1952	180
55-10	1-57-00	2800		2730
		2900		2910
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2730	39
		3600	1952	180
		3700		2730
		3800		2910
		3900		
		4000		

1-12

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR. ,	COR. TEMP.
25	75.6	61755	0.0	75.6
50	73.6	69488	-0.3	73.3
100	67.4	69478	-0.2	67.2
200	51.1	69485	-0.4	50.7
300	43.1	69480	+0.1	43.2
400	40.8	68848	0.0	40.8
500	39.6	69479	0.0	39.6
600	39	66665	0.0	39.0
700	38.2	62358	-0.1	38.1
800	37.9	52732	0.0	37.9
900	36.9	63919	+0.1	37.0
1000	37	54815	-0.3	36.7

REMARKS:

No.

224. Surry

Date

Nov. 17/91

Turns

2795

Cor. +

183

Depth

2978 fms-

Shot or lead

60 lbs

Bottom

fn. G.

Bottom temperature

10 turns

No. of thermometer

Corrected temperature

Air

75

Surface

75

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3. 48-45	59-30	0
49-50	58.35	100
50-50	57.55	200
51-45	57.15	300
53-40	56.30	400
53-40	55.50	500
54-45	55.07	600
55-55	54.25	700
57-0	53.35	800
58-10	52.45	900
59-55	51.50	1000
4-0-41	50.50	1100
03.30	49.45	1200
04.45	48.35	1300
06.10	47.20	1400
07.25	46.05	1500
08.45	44.50	1600
10.15	43.25	1700
11.35	42.15	1800
13.00	40.40	1900
14.20	38.40	2000
16.05	34.20	2100
17.20	36.05	2200
18.50	34.40	2300
20.25	4.33.25	2400

Chlorine 121
 Log Read: 22:4
 made

PM

4. 22 00	32. 15	2500	4682	219
23 35	31. 05	2600	2775	37
25. 15	29. 50	2700	1907	182
26. 50	4 27.30	2800		2775
		2900		<u>2957</u>
		3000		
		3100		
Register indicated		3200	4682	219
2785 turns. +		3300	<u>2795</u>	<u>36</u>
10 = 2995.		3400	1887	183
		3500		<u>2795</u>
		3600		<u>2978</u>
		3700		
		3800	4682	219
		3900	<u>2795</u>	<u>36</u>
		4000	1887	183
				<u>2795</u>
				2978

SERIAL TEMPERATURES.

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

REMARKS:

1507. 2880

No. 225 Survey - Date Nov^r 17-1891.
 Sigsbee Machine #1 Reel. Navy.
 Turns 2730 Cor. + 180 Depth 2910 fms.
 Shot or lead 65 lbs.
 Bottom fn. G.
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air 75 Surface 75 Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-16-00	23-00	0		
17-00	21-45	100		
18-00	21-00	200		
19-00	20-20	300		
20-00	19-35	400		
21-00	18-45	500		
22-10	17-45	600		
23-15	16-45	700		
24-20	15-40	800		
25-25	14-35	900		
26-30	13-30	1000		
27-45	12-20	1100		
29-15	11-10	1200		
30-45	10-00	1300		
32-00	08-50	1400		
33-30	07-45	1500		
34-45	06-30	1600		
36-15	05-15	1700		
37-45	04-05	1800		
39-00	03-00	1900		
40-30	01-45	2000		
42-00	7-00-30	2100		
43-30	59-40	2200		
45-00	58-30	2300		
46-30	6-57-20	2400		

Interval 12'.
 Log read: 34.4.
 Can 12/10 knots while reeling in

P.M.

6-48-00	56-10	2500	4682	219
49-30	55-00	2600	<u>2730</u>	39
51-15	54-00	2700	1952	180
51-45	6-53-15	2730		<u>2730</u>
		2800		2910
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4682	219
		3600	<u>2730</u>	39
		3700	1952	180
		3800		<u>2730</u>
		3900		2910
		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. 226 Survey Date

Apr. 17/91

Sigsbee Machine. #1 Reel. Kary

Turns 2802 Cor. + 183

Depth 2985

Shot or lead 60 lbs.

Bottom br oz.

Bottom temperature 35.7

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.4

Air 74 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.
8-45-15	19-30	0
46-10	18-20	100
47-10	17-25	200
48-10	16-30	300
49-10	15-35	400
50-20	14-35	500
51-30	13-35	600
52-40	12-30	700
53-50	11-30	800
55-0	10-40	900
56-20	09-25	1000
57-30	08-10	1100
58-55	07-0	1200
9-0-15	06-10	1300
01-30	04-20	1400
02-50	03-5	1500
04-15	10-01-25	1600
05-50	59-15	1700
07-15	57-35	1800
08-35	56-10	1900
10-5	54-40	2000
11-30	53-10	2100
13-0	51-35	2200
14-35	50-0	2300
16-10	9-48-35	2400

Log read 46:4. Int. time 12'
 11:8 knots while pulling in

9-17-50	47-5	2500	4682	219
19-40	45-45	2600	3802	36
21-25	44-20	2700	1880	183
28-15	9-43-15	2800		2802
		2800		
		2900		
		3000		2985
		3100		
		3200		
		3300		
		3400		
		3500	4682	219
		3600	2802	36
		3700	1880	183
		3800		2802
		3900		2985
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				41
50				23
100				18
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

20 minutes expended
detaching Chart.

107
 2882
 No. 227 Date Nov. 17/91
 Sigsbee Machine #1 Reel. Navy

Turns 2755 Cor. + 181 Depth 2936

Shot or lead 60 lbs.

Bottom fine gy.

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air 74 Surface 75 Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-39-50	46.20	0		
41-45	45.40	100		
42-45	45.10	200		
43-45	44.30	300		
44-45	43.45	400		
45.30	43.00	500		
46.30	42.15	600		
47.35	41.30	700		
48.50	40.35	800		
50.05	39.40	900		
51.20	38.45	1000		
52.35	37.50	1100		
53.45	36.50	1200		
55.10	35.50	1300		
56.30	34.45	1400		
57.50	33.35	1500		
58.45	32.30	1600		
12-00.45	31.20	1700		
02.15	30.20	1800		
03.45	29.12	1900		
05.15	28.12	2000		
06.55	27.15	2100		
08.30	26.10	2200		
10.05	25.10	2300		
11.35	24.10	2400		

Interval 12' mile
 P. log 58.4
 Row 1.1 knots while hauling in

am

12.13.15	23.05	2500	4682	219.
14.50	21.55	2600	2455	38
16.35	20.45	2700	1927	181
17.00	12.20.00	2800		2755
		2900		2936
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4682	219
		3600	2755	38
		3700	1927	181
		3800		2755
		3900		2936
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

Feb 107.

2883

No. 228 Survey Date November 18. 91

Sigsbee Machine. *1 Reel. Navy

Turns 2838 Cor. + 185 Depth 3023 fms

Shot or lead 60 lbs

Bottom fm oz of lava

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 75 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2 08. 10	16. 00	0		
09. 15	15. 25	100		
10. 15	14. 50	200		
11. 20	14. 10	300		
12. 20	13. 25	400		
13. 40	12. 35	500		
14. 55	11. 55	600		
16. 05	11. 05	700		
17. 25	10. 15	800		
18. 40	09. 20	900		
19. 50	08. 25	1000		
21. 10	07. 35	1100		
23. 20	06. 45	1200		
24. 40	05. 50	1300		
25. 55	04. 50	1400		
27. 20	03. 55	1500		
28. 50	03. 00	1600		
30. 20	02. 05	1700		
31. 50	01. 05	1800		
33. 20	3. 00. 10	1900		
34. 50	59. 10	2000		
36. 20	58. 15	2100		
37. 55	57. 15	2200		
39. 35	56. 20	2300		
41. 15	2. 55. 20	2400		

Patent log used to 4 Inverted 12'
Ran 1.1 knots while hauling in

am

2.42.55	54.20	2500	4682	219
44.30	53.15	2600	2838	34
46.15	52.10	2700	1844	185
47.55	51.05	2800		2838
48.40	2.50.30	2900		3023
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2838	34
		3600	1844	185
		3700		2838
		3800		3023
		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:

2884

No. 229 Survey, Date Nov^r 18-1891-

Sigsbee Machine. *1 Reel. Navy.

Turns 2785 Cor. + 182 Depth 2967 fms.

Shot or lead 60 lbs.

Bottom

Bottom temperature

No. of thermometer 54815 Cor. -0.3

Corrected temperature

Air 75 Surface 76 Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-34-15	46-00	0
35-15	45-00	100
36-15	44-00	200
37-15	43-05	300
38-15	42-10	400
39-15	41-10	500
40-20	40-10	600
41-25	39-15	700
42-25	38-20	800
43-30	37-20	900
44-35	36-20	1000
45-45	35-30	1100
47-00	34-15	1200
48-15	33-00	1300
49-45	31-45	1400
51-00	30-30	1500
52-30	29-15	1600
54-00	27-45	1700
55-30	26-15	1800
56-45	24-45	1900
58-15	23-15	2000
59-45	21-45	2100
5-01-15	20-00	2200
02-45	18-30	2300
04-15	5-17-15	2400

Log read 82.4 - Interval 12' -
 Run 1 3/10 knots while reeling in.

A.M.

Time	Time	Log over	Value	Value
5-05-45	15-45	2500	4682	219
07-15	14-30	2600	2785	37
09-00	13-15	2700	1900	182
10-30	5-12-15	2785		2785
		2800		
		2900		2967
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2785	37
		3600	1897	182
		3700		2785
		3800		2967
		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:

N.C. 607. 2885

No. 230 Sundry - Date Nov^r 18 - 1891.

Sigsbee Machine. #1 Reel. Navy.

Turns 2777 Cor. + 182 Depth 2959 fms

Shot or lead 60 lbs.

Bottom Ynoz.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 76 Surface 76 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-07-30	18-45	0		
08-30	17-45	100		
09-30	16-55	200		
10-30	16-0	300		
11-30	15-20	400		
12-30	14-45	500		
13-45	13-55	600		
14-45	13-10	700		
15-50	12-20	800		
17-00	11-20	900		
18-15	10-15	1000		
19-30	09-30	1100		
20-40	08-15	1200		
21-50	7-15	1300		
23-05	06-15	1400		
24-30	05-5	1500		
25-45	3-30	1600		
27-00	1-45	1700		
28-20	0-0-0	1800		
29-45	58-30	1900		
31-10	57-00	2000		
32-35	55-30	2100		
34-00	53-45	2200		
35-30	52-00	2300		
37-00	7-50-15	2400		

Interval 12'.
 Log read: 94.4
 Run 2:11 knots while reeling in.

A.M.

7-38-30	48-45	2500	4682	219
40-00	47-15	2600	<u>2777</u>	<u>37</u>
41-45	46-00	2700	1905	182
43-00	7-44-30	2777		<u>2777</u>
		2800		2959
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4682	219
		3600	<u>2777</u>	<u>37</u>
		3700	1905	182
		3800		<u>2777</u>
		3900		2959
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

2886

2886

Apr. 18/91
Hamp

No. 231 Survey Date
 Sigsbee Machine. #1 Reel.
 Turns 2769 Cor. + 181 Depth 2950
 Shot or lead 60 lbs.
 Bottom 110 specimens
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air 76 Surface 76 Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-32-25	42-45	0		
33-20	41-40	100		
34-20	41-0	200		
35-20	40-20	300		
36-25	39-35	400		
37-30	38-55	500		
38-45	38-5	600		
40-0	37-15	700		
41-5	36-30	800		
42-20	35-30	900		
43-35	34-29	1000		
44-50	33-20	1100		
46-05	32-05	1200		
47-20	30-45	1300		
48-45	29-35	1400		
50-0	28-20	1500		
51-30	27-0	1600		
52-50	25-40	1700		
54-10	24-20	1800		
55-40	23-0	1900		
57-5	21-30	2000		
58-30	20-10	2100		
59-55	18-45	2200		
10-01-20	17-20	2300		
02-45	10-16-0	2400		

Intermediate 151
 Dry read 614
 Made 115 knots - white reelings etc.

10-04-20	14-35	2500		
05-50	18-25	2600		
07-25	12-10	2700		
08-25	10-11-15	2800		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2769	38
		3600	1913	181
		3700		2769
		3800		2950
		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:

Nothing in the cup but clear water.

No. *232* Survey Date *Nov. 18/91*
Pigeon Machine. #1 Reel. *Harv*
 Turns *2771* Cor. + *182* Depth *2953 fms*
 Shot or lead *60 lbs.*
 Bottom *br. oz.*
 Bottom temperature *35.4*
 No. of thermometer *57815* Cor. - *0.3*
 Corrected temperature *35.4*
 Air *76* Surface *76* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-49-20</i>	<i>02.20</i>	0		
<i>50-30</i>	<i>01.15</i>	100		
<i>51-30</i>	<i>1.00.25</i>	200		
<i>52-20</i>	<i>59.35</i>	300		
<i>53-30</i>	<i>58.45</i>	400		
<i>54-35</i>	<i>57.50</i>	500		
<i>55-35</i>	<i>56.55</i>	600		
<i>56-35</i>	<i>56.00</i>	700		
<i>58-20</i>	<i>55.00</i>	800		
<i>59.50</i>	<i>53.55</i>	900		
<i>12 00.10</i>	<i>52.40</i>	1000		
<i>01.50</i>	<i>51.15</i>	1100		
<i>02.55</i>	<i>49.50</i>	1200		
<i>04.05</i>	<i>48.00</i>	1300		
<i>05.35</i>	<i>46.45</i>	1400		
<i>07.20</i>	<i>45.35</i>	1500		
<i>08.45</i>	<i>44.00</i>	1600		
<i>10.15</i>	<i>42.40</i>	1700		
<i>11.35</i>	<i>41.00</i>	1800		
<i>13.00</i>	<i>39.40</i>	1900		
<i>14.30</i>	<i>38.15</i>	2000		
<i>16.00</i>	<i>37.05</i>	2100		
<i>17.35</i>	<i>35.50</i>	2200		
<i>19.00</i>	<i>34.40</i>	2300		
<i>20.25</i>	<i>12.33.30</i>	2400		

Log read 1814 Interval
 clock 1818 K. 6 whitesteed in

P. M.

12.22.00	32.20	2500	4682	219
23.35	31.10	2600	2771	37
25.20	29.50	2700	1911	182
26.00	12.29.10	2800		2771
		2900		2950
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2771	37
		3600	1911	182
		3700		2771
		3800		2953
		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:

2889

No. 233 Survey Date November 18 - 1891
 Sigbee Machine. #1 Reel. Davis
 Turns 2727 Cor. + 180 Depth 2907 fms
 Shot ~~on lead~~ 60 lbs
 Bottom br. g + f. s.
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 76 Surface 76 Drift _____
 Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
14.20	17.10	0		
15.15	16.35	100		
16.10	16.00	200		
17.05	15.20	300		
18.05	14.35	400		
19.05	13.55	500		
20.10	13.10	600		
21.15	12.20	700		
22.20	11.35	800		
23.30	10.40	900		
24.35	09.45	1000		
25.50	08.55	1100		
27.00	07.59	1200		
28.10	07.05	1300		
29.25	06.05	1400		
30.40	05.00	1500		
31.55	03.50	1600		
33.15	02.15	1700		
34.35	01.00	1800		
35.55	59.45	1900		
37.20	58.40	2000		
38.50	57.35	2100		
40.35	56.30	2200		
41.50	55.35	2300		
43.30	54.50	2400		

Put log reading 30.4
 Row 1.3 fms while hauling in
 Interval 12 minutes

Pm

2.45.00	53.30	2500	4682	219
46.50	52.20	2600	2724	39
48.35	51.10	2700	1955	180
49.00	2.51.00	2800		2724
		2900		2907
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2724	39
		3500	1955	180
		3600		2724
		3700		2907
		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:

2890

No. 234 Survey Date Nov^r 18-1891-
 Sigsbee Machine. #1 Reel Navy.

Turns 2686 Cor. + 178 Depth 2864 fms.

Shot or lead 60 lbs.

Bottom m. gy. s.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-32-00	36-00	0		
33-00	35-00	100		
34-15	34-30	200		
35-15	34-00	300		
36-15	33-15	400		
37-15	32-30	500		
38-15	31-15	600		
39-20	30-30	700		
40-25	29-35	800		
41-30	28-40	900		
42-45	27-45	1000		
44-00	26-45	1100		
45-15	25-45	1200		
46-30	24-30	1300		
48-00	23-00	1400		
49-15	22-00	1500		
50-30	21-00	1600		
52-00	20-00	1700		
53-20	19-00	1800		
54-45	17-45	1900		
56-15	16-45	2000		
58-00	15-45	2100		
59-45	14-30	2200		
5-01-45	13-30	2300		
03-15	5-12-30	2400		

Interval 12'.
 Log read: 42, 4
 Ran 1 7/10 knots while reeling in

P.M.

5-04-45	11-30	2500	4682	219
06-15	10-30	2600	<u>2686</u>	<u>41</u>
07-45	5-09-30	2700 2686	1996	178
		2800		<u>2686</u>
		2900		<u>2864</u>
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	<u>2686</u>	<u>41</u>
		3600	1996	178
		3700		<u>2686</u>
		3800		<u>2864</u>
		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:

2891

No. 2358 Date

Nov. 18/91

Sigsbee Machine. #1 Reel.

Turns 2635 Cor. + 176 Depth 2811

Shot or lead 60 lbs.

Bottom br. O

Bottom temperature 35.2°

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.4

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-58-45	03. 20	0		
54-45	02. 30	100		
50-30	01. 40	200		
56-25	8-00. 30	300		
57-20	59-30	400		
58-15	58-35	500		
59-20	57-45	600		
7-0-20	56-50	700		
01-20	55-55	800		
02-20	55-0	900		
03-30	54-0	1000		
04-35	52-55	1100		
05-50	51-50	1200		
07-0	50-45	1300		
08-40	49-30	1400		
04-40	48-20	1500		
10-20	47-5	1600		
12-15	45-50	1700		
13-35	44-30	1800		
15-0	43-5	1900		
16-25	41-30	2000		
17-55	39-50	2100		
19-40	38-30	2200		
20-50	37-10	2300		
22-15	7-35-55	2400		

Under 12'

Log read 5-4:4

Made 1/6 Knot while hauling in

17-23-50	34-40	2500		
24-25	35-15	2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200	4682	219
		3300	2635	43
		3400	2047	176
		3500		2635
		3600		2811
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			4682	- 219
50			2635	43
100			2047	176
200				2635
300				2811
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Tide gauge

Reel.

Turns 638 Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11. 02 00

12. 05

04 50

05. 00

16. 00

07. 05

09. 10

09. 25

0

100

200

300

400

500

600

638

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400