

2473 # 2525

July 778 15 Hyd 824

No. 2273 Date July 24th 1882

Sigsbee Machine. 1 Reel.

Turns 197 Cor. 22 Depth 219

~~Shot or lead~~ 35 lb

Bottom Coarse Sand bot Shells

Bottom temperature 40.3

No. of thermometer 53731 Cor. -.3

Corrected temperature 40

Air 58 Surface 53 Drift N 1/2 W, 1/2 mi

Trawl or dredge Tangles with grapnels

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
5 10 30	14 30	0	17.01	50.30
11.00	13 15	100	20.30	47.00
12 40	12 25	200	23.45	43.40
		300	31.45	5.40
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
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		1600		
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		1900		
		2000		
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		2200		
		2300		
		2400		

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	900	
	800	
	700	
	600	
	500	
	400	
	300	
	200	
	100	
	0	

NETO PERSORBAAN

NOLO	Tempo	NOLO	Tempo	NOLO
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REMARKS:

1. ...
 2. ...

Handwritten signature

528

No. 2474 Date July 4th 6:02 P.M.

Sigsbee Machine. Reel.

Turns 120 Cor. 13 Depth 133

~~Shot or lead~~ 35

Bottom hard

Bottom temperature 49.3

No. of thermometer 53731 Cor. -.3

Corrected temperature 40

Air 58 Surface 53 Drift 1/2 m. N.

Trawl or dredge Tangles*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6 02.00	06.15	0	6 07.00	33.00
03.10	35.00	100	10.30	29.00
02.25		200	21.00	6.25.00
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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20

SUBJECT MATTER

DATE	TIME	No. of Pgs.	Page	Total Pgs.
11/10/11	8:30			
11/11/11	8:30			
11/12/11	8:30			
11/13/11	8:30			
11/14/11	8:30			
11/15/11	8:30			
11/16/11	8:30			
11/17/11	8:30			
11/18/11	8:30			
11/19/11	8:30			
11/20/11	8:30			
11/21/11	8:30			
11/22/11	8:30			
11/23/11	8:30			
11/24/11	8:30			
11/25/11	8:30			
11/26/11	8:30			
11/27/11	8:30			
11/28/11	8:30			
11/29/11	8:30			
11/30/11	8:30			

REMARKS

Not for study

238

No. 2475 Date July 4th 6:44 PM
Sigsbee Machine. 1 Reel.

Turns 200 Cor. 22 Depth 222

Shot or lead 35 lbs

Bottom Yellow Sand & pebbles

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 54 Surface 53 Drift 1/2 N 1/4 W

Trawl or dredge Tangles *

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
6.44.00	49.30	0	6.50.30	17.00
45.20	48.20	100	53.40	14.10
47.00	47.10	200	56.50	12.30
		300	58.50	7.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

200
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 -50
 -100
 -150
 -200
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 -300
 -350
 -400
 -450
 -500
 -550
 -600
 -650
 -700
 -750
 -800
 -850
 -900
 -950
 -1000

QUALITY TEMPERATURE

TIME	DATE	NO. OF THERM.	TYPE	TYPE TEMP.
00	10/2/51	1	1	1
05	10/2/51	1	1	1
10	10/2/51	1	1	1
15	10/2/51	1	1	1
20	10/2/51	1	1	1
25	10/2/51	1	1	1
30	10/2/51	1	1	1
35	10/2/51	1	1	1
40	10/2/51	1	1	1
45	10/2/51	1	1	1
50	10/2/51	1	1	1
55	10/2/51	1	1	1
00	10/2/51	1	1	1
05	10/2/51	1	1	1
10	10/2/51	1	1	1
15	10/2/51	1	1	1
20	10/2/51	1	1	1
25	10/2/51	1	1	1
30	10/2/51	1	1	1
35	10/2/51	1	1	1
40	10/2/51	1	1	1
45	10/2/51	1	1	1
50	10/2/51	1	1	1
55	10/2/51	1	1	1
00	10/2/51	1	1	1
05	10/2/51	1	1	1
10	10/2/51	1	1	1
15	10/2/51	1	1	1
20	10/2/51	1	1	1
25	10/2/51	1	1	1
30	10/2/51	1	1	1
35	10/2/51	1	1	1
40	10/2/51	1	1	1
45	10/2/51	1	1	1
50	10/2/51	1	1	1
55	10/2/51	1	1	1
00	10/2/51	1	1	1
05	10/2/51	1	1	1
10	10/2/51	1	1	1
15	10/2/51	1	1	1
20	10/2/51	1	1	1
25	10/2/51	1	1	1
30	10/2/51	1	1	1
35	10/2/51	1	1	1
40	10/2/51	1	1	1
45	10/2/51	1	1	1
50	10/2/51	1	1	1
55	10/2/51	1	1	1

REMARKS

No. 2476 Date July 4th 7:16 AM
Sigsbee Machine. / Reel.

Turns 180 Cor. + 20 Depth 200

Shot or lead 35 lb

Bottom Yellow sand & shells

Bottom temperature none taken

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air 54 Surface 53 Drift 1 mi. N by W

Trawl or dredge Tangles *

SOUNDING WIRE.

DOWNS.

UP.

TURNS.

DREDGE ROPE.

DOWNS.

UPS.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWNS.	UP.		DOWNS.	UPS.
7 16.00	21.00	0	21.00	56.20
17.10	19.30	100	25.20	53.40
17.40	18.00	150	27.40	52.25
		200	30.00	49.30
		300	36.50	46.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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2500
2600
2700
2800
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3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH	TEMP.	SURFACE TEMP.	DIR.	WIND
0	* Samples have a number of insects and birds fastened to the bottom			
25				
50				
75				
100				
125				
150				
175				
200				
225				
250				
275				
300				
325				
350				
375				
400				

REMARKS:
 of five trap pots and 1 large
 specimen of insect collected
 for the museum

S.S.P.

No. 2417 Date July 4th 1898 P.M.

Sigsbee Machine. / Reel.

Turns 103 Cor. 11 Depth 114

Shot or lead 35 lbs

Bottom Greenish sh. & pebbles

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 54 Surface 51 Drift $1\frac{1}{2}$ NNW

Trawl or dredge L&B

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.49.00	8.03.00	0	8.15.00	2.10
8.00.10	01.30	100	09.00	25.00
		200	13.20	8.17.00
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

300
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UNIT TRENDS



UNIT TRENDS

No. *Hyd 772* Date *July 4 1884*Machine. *Reel*Turns *39* Cor. = *10* Depth *19*Shot or lead *5 lb*Bottom *fine S. & G. shells*Bottom temperature *same as surface*

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air *54* Surface *51* Drift _____

Trawl or dredge _____

SOUNDING WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE

DOWN.

UP.

SOUNDING WIRE DOWN.	SOUNDING WIRE UP.	TURNS.
<i>8.23</i>	<i>15.05</i>	0
<i>33.40</i>	<i>33.50</i>	100
		200
		300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
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		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

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

	4300	
	4400	
	4500	
	4600	
	4700	
	4800	
	4900	
	5000	
	5100	
	5200	
	5300	
	5400	
	5500	
	5600	
	5700	
	5800	
	5900	
	6000	

SOIL TEMPERATURES

DATE	TIME	NO. OF THERM.	TEMP.	CO. TEMP.
31				
30				
29				
28				
27				
26				
25				
24				
23				
22				
21				
20				
19				
18				
17				
16				
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1				
0				

REMARKS

A few sponges

No. 279 Date July 11 1881

Machine _____ Reel _____

Turns 91 Cor. 1 Depth 101

Shot or lead _____

Bottom Pebbles

Bottom temperature 39

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air 51 Surface 51 Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>11.35</u>	<u>11.45</u>	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	
	2000	
	1500	
	1000	
	500	
	0	
	500	
	1000	
	1500	
	2000	
	2500	
	3000	
	3500	
	4000	
	4500	
	5000	

SERIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	TIME	WIND
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

No. *779* Date *July 11 1885*
Cyclops Machine. of Reel
 Turns *312* Cor. *30* Depth *342*
 Shot or Lead *35 lbs*
 Bottom *fine clay (M)*
 Bottom temperature *51.2*
 No. of thermometer Cor.
 Corrected temperature
 Air *51.6* Surface *51.2* Drift
 Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE ROPE	
DOWN	UP		DOWN	UP
<i>7:00</i>	<i>10:00</i>	0		
<i>00:30</i>	<i>11:45</i>	100		
<i>02:15</i>	<i>0:15</i>	200		
<i>04:00</i>	<i>02:00</i>	300		
<i>07:00</i>	<i>07:00</i>	<i>342</i>		
		300		
		500		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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2500
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2500
2500
2500
2500

SURFACE TEMPERATURES.

DEPTH.	TEMP.	WIND DIRECTION.	WIND	WIND, FORCE.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS.

No. *570* Date *July 5th 1885*

Sigsbee Machine. *1* Reel.

Turns *228* Cor. *1* Depth *228*

Shot or lead *35 lb*

Bottom *fine brown sand*

Bottom temperature *50.0*

No. of thermometer *111* Cor.

Corrected temperature

Air *74* Surface *74* Drift

Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE ROPE	
DOWN	UP		DOWN	UP
<i>1.50.00</i>	<i>2.15.15</i>	0		
<i>2.00.00</i>	<i>2.15.20</i>	100		
<i>2.10.00</i>	<i>2.15.25</i>	200		
<i>2.20.00</i>	<i>2.15.30</i>	300		
<i>2.30.00</i>	<i>2.15.35</i>	<i>228</i>		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800

WIND VELOCITY RECORD

TIME	DIR.	VELOCITY	DIR.	VELOCITY
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
00				

REMARKS:

No. 252 Date July 27 1891

Machine. Reel.

Turns 191 Cor. 0 Depth 191

Shot or lead 35 lbs

Bottom fine yellow sand

Bottom temperature 54.5

No. of thermometer Cor.

Corrected temperature

Air 53 Surface 52 Drift 1/2 N. 1/2 W.

Trawl or dredge Trawl

SOUNDING WIRE

DOWN.

UP

TURNS

DREDGE ROPE

DOWN.

UP.

0

100

170

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

SEMI-CENTRAL TABLE

TEMP	TIME	NO. OF THER.	VAL.	DATE
25				
26				
27				
28				
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35				
36				
37				
38				
39				
40				

REMARKS:

No. 2175 Date Dec 15 1885

Machine, 1 Reel.

Turns 115 Cor. 119 Depth 121

Shot or lead 35 lb

Bottom muddy sand and pebbles

Bottom temperature 20.2

No. of thermometer — Cor.

Corrected temperature

Air 53 Surface 52 Drift 0.2 N, 0.1 E

Trawl or dredge 7' beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
0	0	0	0	0
10	10	10	10	10
20	20	20	20	20
30	30	30	30	30
40	40	40	40	40
50	50	50	50	50
60	60	60	60	60
70	70	70	70	70
80	80	80	80	80
90	90	90	90	90
100	100	100	100	100
110	110	110	110	110
120	120	120	120	120
130	130	130	130	130
140	140	140	140	140
150	150	150	150	150
160	160	160	160	160
170	170	170	170	170
180	180	180	180	180
190	190	190	190	190
200	200	200	200	200
210	210	210	210	210
220	220	220	220	220
230	230	230	230	230
240	240	240	240	240

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

ARITH. VELOCITÄTSPROB.

ZEIT	1. LAUF	2. LAUF	3. LAUF	4. LAUF
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS

1. Lauf: 100m in 15.5s
 2. Lauf: 100m in 16.0s
 3. Lauf: 100m in 16.5s
 4. Lauf: 100m in 17.0s

No. 571 Date July 5 1885

Machine. Reel.

Turns 81 Cor. ? Depth 90

Shot or lead 35 lb

Bottom white sand & shells

Bottom temperature 50.5

No. of thermometer Cor.

Corrected temperature

Air 52 Surface 52 Drift

Trawl or dredge

SOUNDING WIRE.		FATHOMS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.27.00	6.32	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		2000		
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		2200		
		2300		
		2400		

1500
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 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

UNITED STATES GOVERNMENT

DATE	FROM	TO	AMOUNT	REMARKS
1911				
1912				
1913				
1914				
1915				
1916				
1917				
1918				
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2050				

RECEIVED

No. 2180 Date July 5 1880
Sigsbee Machine, 7 Reel.

Turns 70 Cor. + 19 Depth 180

Shot or lead 35 lbs.

Bottom fine sand & shells

Bottom temperature 50.2

No. of thermometer ——— Cor. ———

Corrected temperature

Air 71 Surface 72 Drift 2.5 W

Trawl or dredge Sigsbee

SOUNDING WIRE.		FATHS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0	0	0	0	0
10	57.00	100	57.40	47.00
20	56.50	200	7.00.30	7.00.00
30		300	04.00	33.00
40		400	27.50	20.30
50		500		
60		600		
70		700		
80		800		
90		900		
100		1000		
110		1100		
120		1200		
130		1300		
140		1400		
150		1500		
160		1600		
170		1700		
180		1800		
190		1900		
200		2000		
210		2100		
220		2200		
230		2300		
240		2400		

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

SEVERAL TEMPERATURES

DEPTH	TEMP.	WIND DIR.	WIND	WAVE DIR.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
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820				
830				
840				
850				
860				
870				
880				
890				
900				
910				
920				
930				
940				
950				
960				
970				
980				
990				
1000				

REMARKS

At 5:30 pm a large number of birds were seen flying over the ship.

No. 752 Date July 5 1875
 Machine. Reel.
 Turns 178 Cor. 12 Depth 120
 Shot or lead 35 lbs
 Bottom sand with shells
 Bottom temperature none taken
 No. of thermometer Cor.
 Corrected temperature
 Air 54 Surface 52 Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TIME.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TIME.
7.25.30	10.30	0
27.30	29.15	100
28.30	29.10	1700
		300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
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 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

HORIZONTAL LINE GRAPHS

NUMBER	LINE	LINE EQUATION	LINE	LINE EQUATION
41				
42				
43				
44				
45				
46				
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48				
49				
50				
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52				
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57				
58				
59				
60				

REMARKS:

No. 2181 Date July 5, 1880
 Machine. Sigsbee Reel.
 Turns 116 Cor. + 12 Depth 116
 Shot or lead 35 lbs
 Bottom cr. m. s.
 Bottom temperature none taken
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 56 Surface 52 Drift $\frac{3}{4}$ N E
 Trawl or dredge Sho

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
29.30	03.10	0	25.55	27.20
30.30	02.00	100	26.45	28.10
		200	27.30	29.00
		260	05.30	29.30
		300		
		400		
		500		
		600		
		700		
		800		
		900		
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		1100		
		1200		
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 3100
 3200
 3300
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 3600
 3700
 3800
 3900
 4000

WINDY TEMPERATURES

DATE	WINDY	TEMP. (°C)	TIME	LOC. (MILES)
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16				

No. 2482 Date July 5 1905Machine. 1 Reel.Turns 239 Cor. 26 Depth 265Shot or lead 35 lbs.Bottom lumpy mudBottom temperature and surfaceNo. of thermometer — Cor.

Corrected temperature

Air 54 Surface 52 Drift 1/2 N. 1/2 W.Trawl or dredge 5 ft

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	32.30	0		15.30
	33.15	100		16.15
20.20	34.00	200	17.00	17.00
21.00	34.45	300	17.30	17.30
		400	18.00	18.00
		500	18.30	18.30
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
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		2400		

	200	
	250	
	300	
	350	
	400	
	450	
	500	
	550	
	600	
	650	
	700	
	750	
	800	
	850	
	900	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	DATE OF OBSERV.	TIME.	WIND DIRECTION.
05				
10				
150				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 782490. Date July 5 1895

Machine. Reel.

Turns 164 Cor. 19 Depth 183

Shot or lead 35 lbs

Bottom S. M. S.

Bottom temperature 49.5

No. of thermometer Cor.

Corrected temperature

Air 55 Surface 55 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
20.00	20.20	0		
21.15	20.35	100		
22.40	20.50	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2300
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 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURES

DEPTH	TIME	NO. OF THER.	TEMP.	WIND TEMP.
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

No. 754 Date July 5 1885

Machine Reel

Turns 140 Cor. 15 Depth 155

Shot or lead 35 lbs

Bottom S. M. S. M.

Bottom temperature none taken

No. of thermometer — Cor.

Corrected temperature

Air 55 Surface 55 Drift

Trawl or dredge

SOUNDING WIRE

DOWN

UP

TIME

DREDGE ROPE

DOWN

UP

10 32 17 40

0

11 20 14 00

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 TEMPERATURE

DEPTH	TEMP	NO. OF THER.	TIME	DR. TEMP.
00				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				

REMARKS:

No. 2453 Date July 5 1885

Machine. / Reel.

Turns 158 Cor. 17 Depth 175

Shot or lead 35 lbs

Bottom coarse sand

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air 58 Surface 53 Drift 1.5 1/2 mi.

Trawl or dredge 2 lbs

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
0	17.20	0	10.18.40	13.30
4	16.45	100	11.30	13.00
10	16.10	200	12.40	12.30
		300	13.50	11.50
		400	15.00	10.45.00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SURFACE TEMPERATURES.

DEPTH.	TEMP.	NO. OF THERM.	COR.	WIND DIRECTION	WIND FORCE
Surf.					
10					
20					
30					
40					
50					
60					
70					
80					
90					
100					
110					
120					
130					
140					
150					
160					
170					
180					
190					
200					
210					
220					
230					
240					
250					
260					
270					
280					
290					
300					
310					
320					
330					
340					
350					
360					
370					
380					
390					
400					

REMARKS:

No. 2454 Date July 5 1885

Sigsbee Machine. 1 Reel.

Turns 154 Cor. 20 Depth 204

Shot or lead 35 lbs

Bottom fine white sand

Bottom temperature none taken

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air 59 Surface 54 Drift N. 5° E. 1 m

Trawl or dredge Albatross

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11 20 00	25 00	0	11 26 30	03 45
21 15	22 45	100	29 42	10 30
22 00	20 00	200	31 10	50 00
		300	32 30	12 45
		400	33 45	14 30
		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	
	4100	
	4200	
	4300	
	4400	
	4500	
	4600	
	4700	
	4800	
	4900	
	5000	

SERIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	TIME	DATE
0				
5				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				
310				
320				
330				
340				
350				
360				
370				
380				
390				
400				
410				
420				
430				
440				
450				
460				
470				
480				
490				
500				

TEMPERATURES

No. 3455

Date July 5 1887

Machine. 1 Reel.

Turns 15 Cor. 20

Depth 265

Shot or lead 35 lbs.

Bottom fine white sand

Bottom temperature none taken

No. of thermometer

Cor.

Corrected temperature

Air 55

Surface 54

Drift by 7.2 in

Trawl or dredge 2 1/2 hrs

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0.27.

23.20 30 25.25

0

12.20 20 14.25

24.20 27.00

100

32.15 25.00

25.15 26.40

200

36.30 23.25

300

37.50 20.00

400

40.45 18.00

500

42.00 26.00

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	

MINI-MONITORING:

TIME	TEMP.	NO. OF TILES	TEMP.	TIME (DAY)
00				
01				
02				
03				
04				
05				
06				
07				
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22				
23				

REMARKS:

635/01.

No. 785 Hyd. Date *July 5 1885*

Sigsbee Machine. 1 Reel.

Turns *114* Cor. *20* Depth *204*

Shot or lead *35 lbs*

Bottom *fine sand*

Bottom temperature *none taken*

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air *59* Surface *54* Drift _____

Trawl or dredge _____

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-00-00</i>	<i>12-30</i>	0		
<i>11-30</i>	<i>12-40</i>	100		
<i>11-00</i>	<i>13-00</i>	<i>114</i>		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

500
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 800
 900
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 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000

LABIAL COMPONENTS

DATE: _____ TIME: _____ NO. OF TUBES: _____ AGE: _____ SEX: _____

LABIAL	TIME	NO. OF TUBES	AGE	SEX
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2				
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LABIAL

No. 2456 Date July 5 1877
Sigsbee Machine 1 Reel.

Turns 171 Cor. 1 20 Depth 190

Shot or lead 35 lbs

Bottom coarse sand gravel

Bottom temperature 40

No. of thermometer 52731 Cor. - .3

Corrected temperature 39.7

Air 57 Surface 54 Drift 1 1/2 mi

Trawl or dredge *Whip*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

DEPTH.

DOWN.

UP.

DOWN.	UP.	DEPTH.	DOWN.	UP.
1.31.30	37.30	0	1.31.00	09.00
32.30	36.10	100	40.10	06.40
33.30	34.30	200	41.30	2 03 00
		300	43.30	19 45
		400	51.00	1.57.00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

800
 8100
 8200
 8300
 8400
 8500
 8600
 8700
 8800
 8900
 9000
 9100
 9200
 9300
 9400
 9500
 9600
 9700
 9800
 9900
 10000

SERIAL (LIMBOMAFIPI)

INDEX	YEAR	1950-1959	1960-1969	1970-1979
800				
8100				
8200				
8300				
8400				
8500				
8600				
8700				
8800				
8900				
9000				
9100				
9200				
9300				
9400				
9500				
9600				
9700				
9800				
9900				
10000				

REMARKS:

No. 2786 No. Date July 5 1885

Sigsbee Machine. Reel.

Turns 158 Cor. 17 Depth 175

Shot or lead 35 lbs.

Bottom coarse sand

Bottom temperature none taken

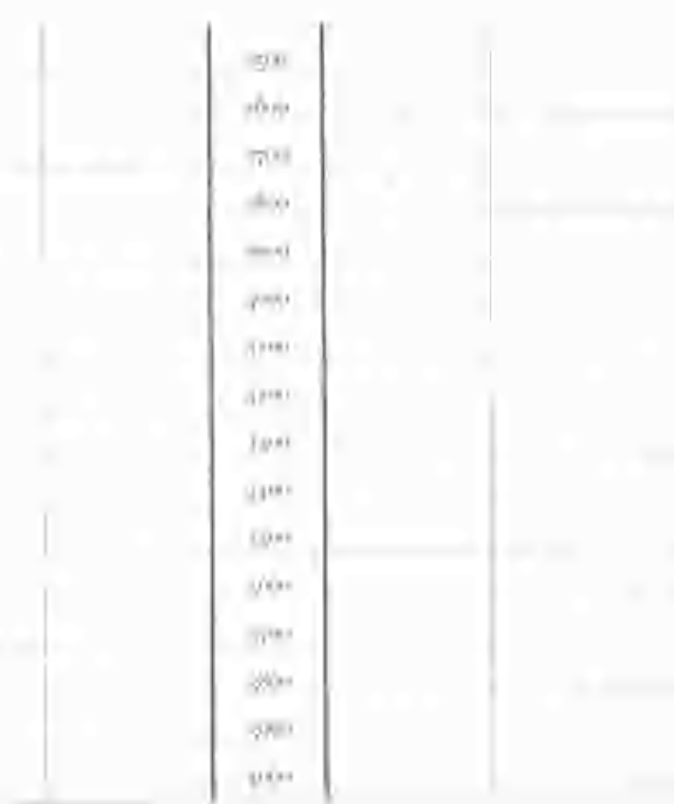
No. of thermometer Cor.

Corrected temperature

Air 57 Surface 54 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.03.00	29.20	0		
04.00	27.30	100		
24.45	2.07.00	158		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



GENERAL TRENDS IN THE DATA

Year	1950	1955	1960	1965	1970	1975	1980	1985	1990
1950	100								
1951	150								
1952	200								
1953	250								
1954	300								
1955	350	350							
1956	400								
1957	450								
1958	500								
1959	550								
1960	600	600	600						
1961	650								
1962	700								
1963	750								
1964	800								
1965	850	850							
1966	900								
1967	950								
1968	1000								
1969	1050								
1970	1100	1100							
1971	1150								
1972	1200								
1973	1250								
1974	1300								
1975	1350	1350							
1976	1400								
1977	1450								
1978	1500								
1979	1550								
1980	1600	1600							
1981	1650								
1982	1700								
1983	1750								
1984	1800								
1985	1850	1850							
1986	1900								
1987	1950								
1988	2000								
1989	2050								
1990	2100	2100							

ANALYSIS

5/107.

No. 787 Sub. Date July 5 1885

Rever Machine. of Reel.

Turns 167 Cor. 19 Depth 186

Shot or lead 35 lbs.

Bottom fine sand.

Bottom temperature none taken

No. of thermometer _____ Cor. _____

Corrected temperature

Air 57 Surface 54 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.24.30	32.00	0		
27.00	31.00	100		
28.45	29.30	167		
		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	
	2000	
	1500	
	1000	
	500	
	0	
	-500	
	-1000	
	-1500	
	-2000	
	-2500	
	-3000	
	-3500	
	-4000	
	-4500	
	-5000	
	-5500	
	-6000	
	-6500	
	-7000	
	-7500	
	-8000	
	-8500	
	-9000	
	-9500	
	-10000	

DEPTH TEMPERATURES

DEPTH	1940	40 to 1000	1000	1000 to 1900
25				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS:

No. 785 Exp. Date July 5 1885

Sigsbee Machine. Reel.

Turns 130 Cor. + 15 Depth 145

Shot or lead 35 lbs

Bottom fine grey sand

Bottom temperature 10

No. of thermometer 53721 Cor. - 3

Corrected temperature 39.7

Air 57 Surface 54 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.50.00	2.58.15	0		
21.40	2.51.10	100		
25.15	2.42.00	130		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000

SERIAL TEMPERATURES:

DEPTH.	TEMP.	NO. OF THER.	COR.	WIND.
75				
95				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2487 Date July 5th 1885

Sigsbee Machine. 1 Reel.

Turns 35 Cor. 4 Depth 30.

Shot or lead 35 lbs.

Bottom fine sand & gravel

Bottom temperature none taken

No. of thermometer — Cor. —

Corrected temperature —

Air 57 Surface 54 Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.	TURNS.	DREDGE ROPE.
DOWN.		DOWN.
3:12:30	0	3:25:00
3:14:00	100	27:30:00
	200	*
	300	
	400	
	500	
	600	
	700	
	800	
	900	
	1000	
	1100	
	1200	
	1300	
	1400	
	1500	
	1600	
	1700	
	1800	
	1900	
	2000	
	2100	
	2200	
	2300	
	2400	

	2300	
	2500	
	2700	
	2900	
	3100	
	3300	
	3500	
	3700	
	3900	
	4100	
	4300	
	4500	
	4700	
	4900	
	5100	
	5300	
	5500	
	5700	
	5900	
	6100	
	6300	
	6500	
	6700	
	6900	
	7100	
	7300	
	7500	
	7700	
	7900	
	8100	
	8300	
	8500	
	8700	
	8900	
	9100	
	9300	
	9500	
	9700	
	9900	

SERIAL TEMPERATURES

DEPTH	TIME	NO. OF THER.	VAL.	REF. TEMP.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

* B for use also continued
shown on board.

1907.

No. 750 Date July 15 1895
Machine 1 Reel.

Turns 36 Cor. 1 Depth 40

Shot or lead 35 lbs.

Bottom Sand - coral pebbles.

Bottom temperature 25.2

No. of thermometer — Cor.

Corrected temperature

Air 57 Surface 54 Drift

Trawl or dredge

SOUNDING WIRE.		FATHOMS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3:13.30	3:25.00	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		

No. 790 Date July 5th 1856.

Sigsbee Machine, 1 Reel

Turns 38 Cor. + 1 Depth 49

Shot or lead 35 lbs.

Bottom hard - coarse pebbles

Bottom temperature none taken

No. of thermometer - - - Cor.

Corrected temperature

Air 57 Surface 54 Drift

Trawl or dredge

SOUNDING WIRE

DREDGE ROPE

FMS.

FT.

TURNS

FMS.

FT.

402.00 407.00

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

	4500	
	4600	
	4700	
	4800	
	4900	
	5000	
	5100	
	5200	
	5300	
	5400	
	5500	
	5600	
	5700	
	5800	
	5900	
	6000	

REKAM DOKUMEN

NO. DAFTAR	TANGGAL	NO. DAFTAR	LOKASI	LOKASI
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

REKAM DOKUMEN

No. 791. Date July 5th 1885

Sigsbee Machine. Reel.

Turns 43 Cor. 5 Depth 48

Shot or lead 35 lbs.

Bottom fine white sand.

Bottom temperature none taken

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air 57 Surface 54 Drift _____

Trawl or dredge _____

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
23.00	1.28.20	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

ARRIVAL CLASSIFICATION

MONTH	CLASS.	NO. OF TRIPS	ARR.	DEL. DATE
10				
11				
12				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

REMARKS

No. 792 Date July 5 1885

Sigsbee Machine Reel

Turns 81 Cor. 9 Depth 90

Shot or lead 35 lbs.

Bottom yellow sand

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 57 Surface 54 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

FATHS.

DREDGE ROPE.

DOWN.

UP.

4 23 00 4 45 30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SURFACE TEMPERATURES.

DEPTH.	TIME.	NO. OF THERM.	TEMP.	WIND DIRECTION.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS.

No. *1-88* Date *Jan 21 1888*
 Machine. *1* Reel.
 Turns *125* Cor. *15* Depth *50*
 Shot or lead *35 lb*
 Bottom *1/2 white sand*
 Bottom temperature *11.0*
 No. of thermometer *—* Cor. *—*
 Corrected temperature *—*
 Air *56* Surface *56* Drift *S 1/2 E 1/2 W*
 Trawl or dredge *Shoal*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		46.00
		100		45.45
		200		30.30
		300		20.15
		400		13.00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2000
 1500
 1000
 500
 0
 500
 1000
 1500
 2000
 2500
 3000
 3500
 4000
 4500
 5000
 5500
 6000
 6500
 7000
 7500
 8000
 8500
 9000
 9500
 10000

GENERAL INFORMATION.

YEAR	NO. OF YEARS	AGE	SEX	ETHNICITY
1980	1	18	M	White
1981	1	19	F	White
1982	1	20	M	White
1983	1	21	F	White
1984	1	22	M	White
1985	1	23	F	White
1986	1	24	M	White
1987	1	25	F	White
1988	1	26	M	White
1989	1	27	F	White
1990	1	28	M	White
1991	1	29	F	White
1992	1	30	M	White
1993	1	31	F	White
1994	1	32	M	White
1995	1	33	F	White
1996	1	34	M	White
1997	1	35	F	White
1998	1	36	M	White
1999	1	37	F	White
2000	1	38	M	White
2001	1	39	F	White
2002	1	40	M	White
2003	1	41	F	White
2004	1	42	M	White
2005	1	43	F	White
2006	1	44	M	White
2007	1	45	F	White
2008	1	46	M	White
2009	1	47	F	White
2010	1	48	M	White
2011	1	49	F	White
2012	1	50	M	White
2013	1	51	F	White
2014	1	52	M	White
2015	1	53	F	White
2016	1	54	M	White
2017	1	55	F	White
2018	1	56	M	White
2019	1	57	F	White
2020	1	58	M	White
2021	1	59	F	White
2022	1	60	M	White
2023	1	61	F	White
2024	1	62	M	White
2025	1	63	F	White
2026	1	64	M	White
2027	1	65	F	White
2028	1	66	M	White
2029	1	67	F	White
2030	1	68	M	White
2031	1	69	F	White
2032	1	70	M	White
2033	1	71	F	White
2034	1	72	M	White
2035	1	73	F	White
2036	1	74	M	White
2037	1	75	F	White
2038	1	76	M	White
2039	1	77	F	White
2040	1	78	M	White
2041	1	79	F	White
2042	1	80	M	White
2043	1	81	F	White
2044	1	82	M	White
2045	1	83	F	White
2046	1	84	M	White
2047	1	85	F	White
2048	1	86	M	White
2049	1	87	F	White
2050	1	88	M	White
2051	1	89	F	White
2052	1	90	M	White
2053	1	91	F	White
2054	1	92	M	White
2055	1	93	F	White
2056	1	94	M	White
2057	1	95	F	White
2058	1	96	M	White
2059	1	97	F	White
2060	1	98	M	White
2061	1	99	F	White
2062	1	100	M	White

REMARKS:

No. 793 Hyd. Date July 15 1885.

Sigsbee Machine. 1 Reel.

Turns 69 Cor. + 19 Depth 188

Shot or lead 35 lbs.

Bottom mud and fine sand

Bottom temperature none taken

No. of thermometer — Cor.

Corrected temperature

Air 56 Surface 53 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5 31.00	6 3.30	0		
39.00	12.45	100		
40.15	15.15	188		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
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 2500

GENERAL CHARACTERISTICS

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
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92				
93				
94				
95				
96				
97				
98				
99				
100				

REMARKS

No. 796 Date July 5 1885

Sigsbee Machine, Reel.

Turns 112 Cor. 12 Depth 124

Shot or lead

Bottom white sand

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 55° Surface 53° Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DRAWN.

UP.

TURNS.

DRAWN.

UP.

6.28.00 31.30
29.00 30.40
28.00 6.30.30

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

250
 260
 270
 280
 290
 300
 310
 320
 330
 340
 350
 360
 370
 380
 390
 400

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THERM.	COR.	TIME TAKEN.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS.

No. 2489 Date July 15 1885

Sigsbee Machine / Reel

Turns 29 Cor. 4 Depth 33

Shot or lead 35 lbs

Bottom silt & sand

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 55 Surface 53 Drift 6.5 E 0.4 N

Trawl or dredge Sigsbee

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7:15:00		0	7:17:00	2930
		100	24:00	3:06:00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1990
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 2021
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 2024
 2025
 2026
 2027
 2028
 2029
 2030

REKONSTRUKCIJA

LETA	LETA	1990-2014	2015	2016-2030
1990				
1991				
1992				
1993				
1994				
1995				
1996				
1997				
1998				
1999				
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2001				
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2015				
2016				
2017				
2018				
2019				
2020				
2021				
2022				
2023				
2024				
2025				
2026				
2027				
2028				
2029				
2030				

LEKŠIČNIK

1897

No. 795-14 Date July 6th 1897
Machine. Reel.

Turns 37 1/2 Cor. 1 1/2 Depth 39 fms

Shot or lead 15 lb line

Bottom M. S.

Bottom temperature 32

No. of thermometer 53731 Cor. 0

Corrected temperature 32

Air 50 Surface 52 Drift

Trawl or dredge

SOUNDING WIRE

DREDGE ROPE

DOWN

UP

TURNS

DOWN

UP

12.43

12.07

37 1/2

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
 2000
 1500
 1000
 500
 0
 -500
 -1000
 -1500
 -2000
 -2500
 -3000
 -3500
 -4000
 -4500
 -5000

NETS: 1000000000

DATE	TIME	NO. OF NETS	NO.	NO. OF NETS
10				
20				
3000				
4000				
5000				
6000				
7000				
8000				
9000				
10000				
11000				
12000				
13000				
14000				
15000				
16000				
17000				
18000				
19000				
20000				
21000				
22000				
23000				
24000				
25000				
26000				
27000				
28000				
29000				
30000				
31000				
32000				
33000				
34000				
35000				
36000				
37000				
38000				
39000				
40000				
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95000				
96000				
97000				
98000				
99000				
100000				

REMARKS:

No. 796 Date Apr 17 1881Machine. Sigsbee Reel.Turns 72 Cor. + 3 Depth 75Shot or lead 15 lbBottom White sandBottom temperature 33 1/2No. of thermometer 3731 Cor. 0Corrected temperature 33.5Air 51 Surface 52 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

24472

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

REKORD TEMPERATURER

DRUK.	DRUK.	DRUK. TID.	DRUK.	DRUK. DRUK.
1				
2				
3				
4				
5				
6				
7				
8				
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11				
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31				
32				
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41				
42				
43				
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83				
84				
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86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

REKORD

No. 797 Date July 6th

Machine. Reel.

Turns 52 Cor. 2 Depth 54

Shot or lead 15 lb

Bottom

Bottom temperature 32

No. of thermometer 5025 Cor. 0

Corrected temperature 32

Air 52 Surface 52 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.35		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		

	090	
	000	
	010	
	020	
	030	
	040	
	050	
	060	
	070	
	080	
	090	
	100	
	110	
	120	
	130	
	140	
	150	
	160	
	170	
	180	
	190	
	200	

PETROL FRICTIONAL LOSS

TYPE	TIME	NO. OF PHS.	TEMP.	LOSS PER
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

507.

No. 2596 Date July 1891

Machine. L. Reel.

Turns 25 Cor. + 5 Depth 30

Shot or lead 5 lb

Bottom fine sand

Bottom temperature 52.0

No. of thermometer — Cor. —

Corrected temperature —

Air — Surface 52 Drift 1/2 N 1/2 E

Trawl or dredge —

SOUNDING WIRE

DREDGE ROPE

DOWN.

UP.

FATHOMS

DOWN.

UP.

DOWN.	UP.	FATHOMS	DOWN.	UP.
		0		11.00
		100	27.30	10.50
		200	32.00	10.40
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		

	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.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS:

The following is a list of the serial temperatures recorded during the day of the 1st of June 1900.

No. *709* Date *July 2, 1881*

Machine. *Sigsbee* Reel.

Turns *41* Cor. *2* Depth *125*

Shot or lead *35 lb*

Bottom *fine sand & shells*

Bottom temperature *22.5*

No. of thermometer Cor.

Corrected temperature

Air *23* Surface *23* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		1st WIRE.	2nd
<i>5</i>		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		

2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500
9000
9500
10000

TOTAL PRODUCTIONS

Year	1990	1991	1992	1993	1994
1990					
1991					
1992					
1993					
1994					
1995					
1996					
1997					
1998					
1999					
2000					

TOTAL

No.

Date

Machine. / Reel.

Turns

Cor.

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TIME.

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

1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

SERIAL CHRONOLOGIES

Year	County	Pop. 1880	Pop. 1890	Pop. 1900
1880				
1890				
1900				
1910				
1920				
1930				
1940				
1950				
1960				
1970				
1980				
1990				
2000				

POPULATION

No. 177 Date July 26-1880

Machine. / Reel

Turns Cor. + Depth 27

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface 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

1000
 2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000
 11000
 12000
 13000
 14000
 15000
 16000
 17000
 18000
 19000
 20000

GENERAL TRIPPLA PORDS

DATE	AMOUNT	NO. OF TICKETS	FARE	TOTAL TRIPPLA
25				
30				
01				
04				
17				
40				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *2492* Date *July 26 1885*

Machine, / Reel,

Turns *68* Cor. *1* Depth *75*Shot or lead *35 lb*Bottom *fine sand*Bottom temperature *33.2*No. of thermometer *53731* Cor. *0*Corrected temperature *33.3*Air *51* Surface *53* Drift *1/2 - 10 m*Trawl or dredge *Lucy*

SOUNDING WIRE.

DOWN.

UP.

TURNS

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS	DOWN.	UP.
<i>2:20</i>	<i>2:22:00</i>	0	<i>2:31:00</i>	<i>55, 10</i>
		<i>150</i>	<i>2:37:20</i>	<i>1 30</i>
		400		
		300		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

407

No. 500 Date July 1st 1881

Sigsbee Machine. 1 Reel.

Turns 32 Cor. 1 Depth 32

Shot or lead 35 lb

Bottom white sand & shells

Bottom temperature 32

No. of thermometer 5500 Cor. 0

Corrected temperature 32

Air 51 Surface 39 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>0</u>		0		
<u>15</u>		100		
<u>30</u>		200		
<u>45</u>		300		
<u>60</u>		400		
<u>75</u>		500		
<u>90</u>		600		
<u>105</u>		700		
<u>120</u>		800		
<u>135</u>		900		
<u>150</u>		1000		
<u>165</u>		1100		
<u>180</u>		1200		
<u>195</u>		1300		
<u>210</u>		1400		
<u>225</u>		1500		
<u>240</u>		1600		
<u>255</u>		1700		
<u>270</u>		1800		
<u>285</u>		1900		
<u>300</u>		2000		
<u>315</u>		2100		
<u>330</u>		2200		
<u>345</u>		2300		
<u>360</u>		2400		

2500
 2000
 1750
 1500
 1250
 1000
 750
 500
 250
 0
 -250
 -500

PROFIT COMPANY YEAR

YEAR	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	
PROFIT																						

REMARKS:

No. 525 Date 5-1-18Machine. Reel.Turns 13 Cor. + 2 Depth 15Shot or lead 15 lbBottom fine sand & shellsBottom temperature 32.3No. of thermometer 25731 Cor. 0Corrected temperature 32.3Air 52 Surface 53 DriftTrawl or dredge 20

SOUNDING WIRE.

DOWNS.

UP.

TENS.

DREDGE ROPE.

DOWNS.

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

400
300
200
100
0
-100
-200
-300
-400
-500
-600
-700
-800
-900
-1000

GRAVITY CHART

DEPTH	TEMP.	NO. OF OBS.	COE.	COE. TEMP.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				
310				
320				
330				
340				
350				
360				
370				
380				
390				
400				

APPENDIX

... ..

The first part of the paper discusses the importance of the
 research and the objectives of the study. It also
 describes the methodology used in the study and the
 results of the study. The second part of the paper
 discusses the implications of the study and the
 conclusions of the study.

$$\begin{aligned}
 \frac{d}{dt} \int_{\Omega} \rho \, dx &= \int_{\Omega} \frac{d\rho}{dt} \, dx \\
 &= \int_{\Omega} \left(\frac{\partial \rho}{\partial t} + \nabla \cdot (\rho \mathbf{v}) \right) dx \\
 &= \int_{\Omega} \frac{\partial \rho}{\partial t} \, dx + \int_{\Omega} \nabla \cdot (\rho \mathbf{v}) \, dx \\
 &= \int_{\Omega} \frac{\partial \rho}{\partial t} \, dx + \int_{\partial \Omega} \rho \mathbf{v} \cdot \mathbf{n} \, dS
 \end{aligned}$$

$$\begin{aligned}
 \frac{d}{dt} \int_{\Omega} \rho \, dx &= \int_{\Omega} \frac{d\rho}{dt} \, dx \\
 &= \int_{\Omega} \left(\frac{\partial \rho}{\partial t} + \nabla \cdot (\rho \mathbf{v}) \right) dx \\
 &= \int_{\Omega} \frac{\partial \rho}{\partial t} \, dx + \int_{\partial \Omega} \rho \mathbf{v} \cdot \mathbf{n} \, dS
 \end{aligned}$$

107, 128

No. 501 Date July 24 1881

Machine. Reel.

Turns 1 Cor. 0 Depth 45

Shot or lead 35 lb

Bottom yellow sand

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air 52 Surface 53 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>05.30</u>	<u>05.30</u>	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		

4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900
 5000
 5100
 5200
 5300
 5400
 5500
 5600
 5700
 5800
 5900
 6000

SURFACE TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	LOG	REF. TEMP.
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS.

U.S. Fish Com.

No. 2494 Date July 14 1900

Trawl Machine Reel

Trawl 48 Cor. 0 Depth 50

Shot or lead 35 lb

Bottom Sand & shells

Bottom temperature 52.5

No. of thermometer 51731 Cor. 0

Corrected temperature 32.5

Air 4 Surface 4 Drift 1/2 mile

Trawl or dredge 0

SOUNDING WIRE

DREDGE ROPE

DOWN.

UP.

TIME.

DOWN.

UP.

SOUNDING WIRE		TIME.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
10 37.11		0	10 37.11	27.10
		100	10 41.10	25.47
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. *802147* Date *July 24, 1905*
Sigsbee Machine. Reel,
 Turns *52* Cor. *2* Depth *54*
 Shot or lead *18 lb*
 Bottom *fine sand & shells*
 Bottom temperature *52.5*
 No. of thermometer *—* Cor. *—*
 Corrected temperature *—*
 Air *52* Surface *52* Drift *—*
 Trawl or dredge *—*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>5.50</i>		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		

10.50
11.00
11.30
11.50
12.10
12.30
12.50
1.10
1.30
1.50
2.10
2.30
2.50
3.10
3.30
3.50
4.10
4.30
4.50
5.10
5.30
5.50

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

SERIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	TIME	DATE
25				
50				
75				
100				
125				
150				
175				
200				
225				
250				
275				
300				
325				
350				
375				
400				

REMARKS:

819

No. 2195

Date July 6th

Machine — Reel.

Turns Cor. 7 Depth 46'

Shot or lead 18

Bottom gy. s. m. sh.

Bottom temperature 33.5

No. of thermometer 1131 Cor. 0

Corrected temperature 32.5

Air 56 Surface 56 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		

		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	
		2500	
		2600	
		2700	
		2800	
		2900	
		3000	

SERIAL TEST RESULTS

LEVEL	DATE	NO. OF TESTS	OK	FAIL
00				
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

REMARKS:

No. 523 Vessel Date July 1st 1887
 Machine Reel.

Turns Cor. Depth 10

Shot or Lead 18 lb

Bottom Muddy Green

Bottom temperature 24.5

No. of thermometer Cor.

Corrected temperature

Air 5 Surface 5.4 Drift

Trawl or dredge

SOUNDING WIRE

DREDGE ROPE

1000 ft.

100

Turns

1000 ft.

100

12 31 30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. 12 31 30

No. 276

Date July 6th 1887

Machine. Reel.

Turns 2

Cor. 1

2

Depth -

Shot or lead 15 lb

Bottom

Bottom temperature

No. of thermometer 5737

Cor. 0

Corrected temperature

32.2

Air 58

Surface 55

Drift

Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE ROPE	
DOWN	UP		DOWN	UP
	1 27 1/2	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		

	2000	
	1000	
	2000	
	3000	
	4000	
	5000	
	6000	
	7000	
	8000	
	9000	
	10000	
	11000	
	12000	
	13000	
	14000	
	15000	
	16000	
	17000	
	18000	
	19000	
	20000	

REGULAR-YEARLY AFFAIRS.

MONTH	1885	AVERAGE	1886	1887
Jan				
Feb				
Mar				
Apr				
May				
Jun				
Jul				
Aug				
Sep				
Oct				
Nov				
Dec				

REMARKS.

15th of 1st of 1885 - 1st of 1886 - 1st of 1887

MS
[Handwritten mark]

No. 804 Date July 6 1885

Tanner Machine. Reel.

Turns 40 Cor. = 2 Depth 42

Shot or lead 18 lb

Bottom Yellow sand

Bottom temperature 71.5

No. of thermometer Cor.

Corrected temperature

Air 57 Surface 56 Drift —

Trawl or dredge

SOUNDING WIRE.

DOWN. UP.

5:21
1:48

DREDGE ROPE.

DOWN. UP.

FMS.

- 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

Trawl & haul down 5 fathoms

12901

No. 305 Date July 31 1885

Machine — Reel.

Turns 54 Cor. — Depth 54

Shot or lead 18 lb

Bottom Muddy Sand

Bottom temperature 32.3

No. of thermometer 53751 Cor. 0

Corrected temperature 32.3

Air 58 Surface 56 Drift

Trawl or dredge

BOUNDING WIRE.

DREDGE ROPE.

DOWN

UP

TURNS

DOWN

UP

30 40

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

3000
 2800
 2700
 2600
 2500
 2400
 2300
 2200
 2100
 2000
 1900
 1800
 1700
 1600
 1500
 1400
 1300
 1200
 1100
 1000
 900
 800
 700
 600
 500
 400

SPRAT TEMPERATURES

DEPTH	DATE	NO. OF SPRATS	TEMP.	TIME TEMP.
05				
07				
100				
107				
109				
110				
111				
112				
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297				
298				
299				
300				

UNSATURATED

501.

No. *102* *Hayes* Date *7-2-02*

Machine. Reel.

Turns *3* Cor. *2* Depth *53*

Shot or lead *35 lb*

Bottom *fine sand & shells*

Bottom temperature *21.5*

No. of thermometer Cor.

Corrected temperature

Air *55* Surface *55* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2</i>	<i>37 00</i>	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		

	3500	
	3400	
	3300	
	3200	
	3100	
	3000	
	2900	
	2800	
	2700	
	2600	
	2500	
	2400	
	2300	
	2200	
	2100	
	2000	

SERIAL TEMPERATURES

DEPTH.	DATE.	NO. OF THER.	TIME.	WIND DIRECTION.
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

No. 2297 Date July 21 1881

Machine. Sigsbee Reel, No. 1

Turns 120 Cor. 0 Depth 120

Shot or lead 35 lb

Bottom fine sand

Bottom temperature 53

No. of thermometer 73 Cor. 0

Corrected temperature 33

Air 58 Surface 55 Drift 0

Trawl or dredge 12 ft

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	3 20 40	20 40
		120	1 25 4	1 20 4
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 557 Date July 21 1885

Machine. — Reel.

Turns 50 Cor. + 2 Depth 58Shot or lead 15 lbBottom fine sandBottom temperature 21.5No. of thermometer 1 Cor. 0Corrected temperature 21.5Air 21.5 Surface 21.5 Drift 0

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

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

1500
 1400
 1300
 1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

2

SERIAL TEMPERATURES

TIME (H)	TEMP.	WIND DIRECTION	WIND	SEA STATE
24				
30				
36				
42				
48				
54				
00				
06				
12				
18				
24				
30				
36				

REMARKS

No. 2278 Date July 26 1881
Machine. Reel.

Turns 20 Cor. 2 Depth 25

Shot or lead 15 lb

Bottom fine sand

Bottom temperature 70.1

No. of thermometer Cor.

Corrected temperature

Air 63 Surface 57 Drift 1/2 mi S 1/2 E

Trawl or dredge L.P.

SOUNDING WIRE		THERM.	DREDGE HOPE.	
DOWN.	UP.		TIME.	DAY.
11.00	5.15	0	5.21.30	
		100	26.00	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

7500
 7600
 7700
 7800
 7900
 8000
 8100
 8200
 8300
 8400
 8500
 8600
 8700
 8800
 8900
 9000
 9100
 9200
 9300
 9400
 9500

SUBIAL TEMPERATURES

DEPTH	TEMP.	WIND TEMP.	WIND	WIND TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

No. 529 Date July 21 1900

Machine _____ Reel _____

Turns 226 Cor. 2 Depth 228

Shot or lead 18 lb

Bottom fine sand

Bottom temperature 26

No. of thermometer 52331 Cor. -.2

Corrected temperature 35.8

Air 62 Surface 57 Drift 1000

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		

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

SEKILAS PEMERIKSAAN

NO. PASIEN	TEMP	NO. UTI VIBR.	STRE	TEMP. TEMP.
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

REMARKS:

Handwritten notes in cursive script, likely describing patient observations or examination results.

207. 1142

No. 879 Date July 21 1881

Machine. Reel.

Turns 4 Cor. + 7 Depth 11

Shot or lead 15 lb

Bottom gy. m. s. & c. s.

Bottom temperature 36

No. of thermometer 50721 Cor. -.2

Corrected temperature 35.5

Air 59 Surface 58 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.51.00	7.25.00	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		

3400
 3500
 3700
 4000
 4500
 5000
 5500
 6000
 6500
 7000
 7500
 8000
 8500
 9000
 9500
 10000

SERIAL TEMPERATURE

Time	Temp	Loc. of temp.	Wt.	Remarks
8V				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

No. 2907

No. 509 Date July 5th 1905

Machine. — Reel.

Turns 68 Cor. 2 Depth 70

Shot or lead 15 lb

Bottom fine white sand

Bottom temperature 35.5

No. of thermometer 53731 Cor. -.2

Corrected temperature 35.3

Air 59 Surface 58 Drift

Trawl or dredge

SOUNDING WIRE.

TENS.

FE.

TENS.

DREDGE ROPE.

TENS.

FE.

1-13-05

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

200
 190
 180
 170
 160
 150
 140
 130
 120
 110
 100
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

VERTICAL TEMPERATURES

DEPTH	DATE	NO. OF THER.	TIME	WIND DIRECTION
5				
10				
15				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS

SLP

No. Hyd 810 Date July 7th 4:12 AM
Tanner Machine. Reel.

Turns 47 Cor. + 1 Depth 48

~~Shot~~ lead 18 lbs

Bottom sand + gravel

Bottom temperature 35

No. of thermometer 53731 Cor. - .2

Corrected temperature 34.8

Air 58 Surface 58 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		



BRIAL TEMPERATURES

NO. TO	0000	10, 00-1000	1000	100, 0000
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

S&P

No. *Hydr. R. 17* Date *July 7th 4: 34 AM*

Machine. Reel.

Turns *53* Cor. *1* Depth *54*

Shot or lead *18 lb*

Bottom *Sand - large shells*

Bottom temperature *in top*

No. of thermometer Cor.

Corrected temperature

Air *58* Surface *58* Drift

Trawl or dredge

SOUNDING WIRE

DOWN. UP.

DREDGE ROPE

DOWN. UP.

17 29 00 4 00

- 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

1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

ΜΕΘΟΔΟΙ ΤΥΠΟΠΟΙΗΣΗΣ

Μεθ. (α)	Εξέχ.	Μετ. (α-αποσφ)	Εξέχ.	Εξέχ. ΤΥΜΕ
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ΜΕΘΟΔΟΙ

No. *Hyd 812* Date *July 7th 5-21-11*

Sinker - Machine. Reel.

Turns *56* Cor. + *1* Depth *57*Shot or lead *18 lb*Bottom *fine grey & black sand*Bottom temperature *none taken*

No. of thermometer Cor.

Corrected temperature

Air *57* Surface *58* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5 21 00 *5-22.00*

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

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

SPREȚUL PARPARAȚIEI

ANUL	PREȚ	NO. DE CURE	CUR	PREȚ. CUR
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS:

No. *Hyd 813* Date *July 7th 6 24 AM*
Tanner Machine. Reel.
 Turns *72* Cor. *2* Depth *74*
 Shot or Lead *18 lb*
 Bottom *Co. s. gy. m.*
 Bottom temperature *None taken*
 No. of thermometer Cor.
 Corrected temperature
 Air *57* Surface *58* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.24.00</i>	<i>6.25.40</i>	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		

No. 2540 Date July 25 7:45 Am.
 Tanner Machine Reel.
 Turns 35 Cor. 1 Depth 36
~~Shot or lead~~ 18 lb
 Bottom Sand & gravel
 Bottom temperature none taken
 No. of thermometer Cor.
 Corrected temperature
 Air 59 Surface 58 Drift 1/2 mi N
 Trawl or dredge LV

SOUNDING WIRE

DREDGE ROPE

DOWN

UP

TURNS

DOWN

UP

DOWN	UP	TURNS	DOWN	UP
7.25.00	7.27.5	0	7.18	7.23.2
		100	7.12	7.21
		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.	FMS.	NO. OF THERM.	LOG.	TEMP. FMS.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	Trawl Continued			

2 species of *P. ponderosa*. Large number
 of very flat, mottled larvae.
 Heads of larvae black white.

REMARKS:

No. 814 Date July 27th 1884
 Sigsbee Machine. Reel.
 Turns 32 Cor. + 1 Depth 33
 Shot or lead 15 lb.
 Bottom fine sand
 Bottom temperature not taken
 No. of thermometer Cor.
 Corrected temperature
 Air 59 Surface 58 Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<u>7 34 00</u>	<u>7 35 00</u>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

DEPTH TEMPERATURES.

DEPTH	TIME	NO. OF THER.	TEMP.	DIR. TEMP.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

No. 2501 Date July 7th 1899

Tanner Machine. Reel.

Turns 25 Cor. 1 Depth 26

Shot or lead 18 lbs

Bottom Sand & shells

Bottom temperature 59

No. of thermometer 53731 Cor. - 3

Corrected temperature 35.7

Air 59 Surface 58 Drift 1/2 N.

Trawl or dredge L.B.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DRAWN.

UP.

DOWN.	UP.	TURNS.	DRAWN.	UP.
7.59.00	8.02.00	0	8.02.00	8.17.00
		25	05.20	8.15.10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Third hand lines for fish
 weight 3 and 12 lbs.

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

SERIAL TEMPERATURES.

DEPTH	TEMP.	SURFACE TEMP.	DIR.	DIR. TEMP.
25				
30				
40				
50				
60				
70				
80				
90				
100				
100	No water obtained			

Flat Sea Urchins, ^{SMALL} many starfish,
 many flounders, shells, Hermit
 Crabs, & 1 scorpion

No. *515* Date *July 3 - 1885*
Tanner Machine. Reel.

Turns *25* Cor. + *1* Depth *26*

Shot or lead *12*

Bottom *fine sand & gravel*

Bottom temperature *none taken*

No. of thermometer Cor.

Corrected temperature

Air *59* Surface *58* Drift

Trawl or dredge

BOUNDING 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		

*Trawl haul made for fish
 caught 3 Crabs 3 Prawns*

Shot & lead lost by down haul.

*Explosive 2 trays lost
 Attached W 2 coils of rope*

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

SERIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	TIME	NO. OF THER.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

SRP

No. 3502 Date July 7th 11.05 AM

Tanner Machine Reel

Turns 67 Cor. 2 Depth 69

Shot or lead 18 lbs

Bottom fine yellow sand

Bottom temperature 35

No. of thermometer 53731 Cor. - 2

Corrected temperature 34.5

Air 60 Surface 57 Drift 1/2 mile

Trawl ~~used~~ L.C.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.0500	11.07.50	0	11.09.00	11.25.10
		100	13.00	11.32.10
		200	17.00	11.39.00
		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 THERM.	DOR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	Trawl contained			

REMARKS:

Some basket mackerel; bottle star, several specimens of large starfish; some spongy sea urchins; sponge, several varieties of shells. A few sharp small stars and scudgers.

W. 128

No. Hy 816 Date July 7th 11.37 5116

Tanner Machine. Reel.

Turns 61 Cor. 2 Depth 63

Shot or lead 18 lbs

Bottom yellow sand & pebbles

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 60 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>11.27.20</u>	<u>11.33.20</u>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES

DEPTH	TIME	NO. OF THERM.	CO.	CO. TEMP.
75				
50				
25				
0				
25				
50				
75				
100				
125				
150				
175				
200				
225				
250				
275				
300				
325				
350				
375				
400				

CONTINUED

57.

SCP

No. Hy 817 Date July 7th 12.17.00

Tanner Machine. Reel.

Turns 53 Cor. + 1 Depth 54

Shot or lead 18 lb

Bottom yellow mud

Bottom temperature 34.2

No. of thermometer 53731 Cor. - .1

Corrected temperature 34.1

Air 65 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

12.17.00 12.19.00

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

No. 2503

Date July 7th 1894

Tanner

Machine.

Reel.

Turns 46 Cor. + 1 Depth 47

Shot or lead 18 lbs

Bottom pebbles

Bottom temperature 35.7

No. of thermometer 53731 Cor. - .2

Corrected temperature 35

Air 63 Surface 60 Drift $\frac{1}{2}$ m. W 1/2 N

Trawl or dredge L.S.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.38.30	1.40.20	0	1.43.00	58.00
		100	46.30	1.04.50
		150	49.00	1.53.10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Found sand lines for fish
Caught 22 and

No. 2504 Date July 7th 4:20 PM.

Tanner Machine. Reel.

Turns 80 Cor. 2 Depth 82

Shot or lead 18 lbs

Bottom blk mud & gravel

Bottom temperature 41.

No. of thermometer 53731 Cor. -.4

Corrected temperature 40.6

Air 65 Surface 62 Drift $\frac{1}{2}$ m N. 1/2 W.

Trawl or dredge Ship dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
4.19.00	21.00	0	4.23.00	54.00
20.00	20.00	50	26.00	51.00
		100	30.00	48.30
		250	32.00	4.47.00
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	200	
	250	
	300	
	350	
	400	
	450	
	500	
	550	
	600	
	650	
	700	
	750	
	800	
	850	
	900	
	950	
	1000	

DEPTH, FEET

DEPTH	TEMP.	NO. OF TUBES	TIME	NO. OF TUBES
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

Very light rain at 100 ft

A number of ^{REMARKS} shells & few shells

507. SLP

No. 2505 Date July 7th 1892

Wheeler Machine. Reel.

Turns 92 Cor. 3 Depth 93

~~Shot or lead~~ 16 lbs

Bottom black boggy mud

Bottom temperature 42.7

No. of thermometer 53731 Cor. -.4

Corrected temperature 42.3

Air 63 Surface 63 Drift 1/2 m. N. by S

Trawl or dredge Lo B

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.41.00	44.00	0	6.46.00	19.
42.00	6.42.00	72	51.00	16.00
		200	54.00	7.12.00
		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.	DATE	COR. TEMP.
25				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
1100				
1200				
1300				
1400				
1500				
1600				
1700				
1800				
1900				
2000				
2100				
2200				
2300				
2400				
2500				
2600				
2700				
2800				
2900				
3000				
3100				
3200				
3300				
3400				
3500				
3600				
3700				
3800				
3900				
4000				
4100				
4200				
4300				
4400				
4500				
4600				
4700				
4800				
4900				
5000				
5100				
5200				
5300				
5400				
5500				
5600				
5700				
5800				
5900				
6000				
6100				
6200				
6300				
6400				
6500				
6600				
6700				
6800				
6900				
7000				
7100				
7200				
7300				
7400				
7500				
7600				
7700				
7800				
7900				
8000				
8100				
8200				
8300				
8400				
8500				
8600				
8700				
8800				
8900				
9000				
9100				
9200				
9300				
9400				
9500				
9600				
9700				
9800				
9900				
10000				

Trawl contained

REMARKS

Some shrimp, star fish, sea anemone, 1 flounder, worms shells

No. 2506 Date July 6th 1885
 Machine. — Reel.

Turns 122 Cor. + 5 Depth 127

Shot or lead.

Bottom dark brown mud.

Bottom temperature 43.5

No. of thermometer 53731 Cor. — .4

Corrected temperature 43.1

Air 61 Surface 61 Drift N. 1/2 W.

Trawl or dredge L. B.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
4 00.00		0	4 12.00	51.30
02.00		100	19.	48.
		200	23.30	44.30
		300	26.	41.30
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. *2507* Date *July 5 1885*
Lucas Machine. Reel.

Turns *8* Cor. + *2* Depth *80*

Shot or lead *15 lb.*

Bottom *hard*

Bottom temperature *42*

No. of thermometer *53731* Cor. *- .4*

Corrected temperature *41.6*

Air *62* Surface *61* Drift *N. 1/2 E 20*

Trawl or dredge *Ships*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6 4 1/2 30

0

*6 25 00**16*

100

*27 00**13 30*

200

*7 00 00**7 11 00*

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2200
 2400
 2600
 2800
 3000
 3200
 3400
 3600
 3800
 4000
 4200
 4400
 4600
 4800
 5000

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	DIR.	COR. TEMP.
25				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS

2 pieces Salty water & sample from
 off surface for analysis - large quantity
 of water - 60 pt. 1/2 used

No. 2537 Date July 5, 1885Machine. — Reel.Turns 70 Cor. 2 Depth 72Shot or lead 13 lbs.Bottom brown mud.Bottom temperature 40.No. of thermometer 53731 Cor. -.3Corrected temperature 39.7Air 62 Surface 61 Drift N. 1/2 W.Trawl or dredge 2 B

SOUNDING WIRE.

DREDGE ROPE.

DRAWN.

UP.

TURNS.

DOWN.

UP.

9.07.00

0

9.21.009.21.00

100

17.009.21.30

200

27.009.21.00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900
 5000

SERIAL TEMPERATURES.

TEMP.	TIME	NO. OF THER.	DATE	TYPE, TEMP.
45				
50				
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				
4100				
4200				
4300				
4400				
4500				
4600				
4700				
4800				
4900				
5000				

* Inclusion in a very dark box.

REMARKS.

No. 927 *Sub* Date *July 5 1885*

Machine. *Reel.*

Turns *17* Cor. *2* Depth *55*

Shot or lead *18 lbs*

Bottom *hard*

Bottom temperature *34.5*

No. of thermometer *53731* Cor. *-.1*

Corrected temperature *34.6*

Air *62* Surface *61* Drift

Trawl or dredge

SOUNDING WIRE		THERM.	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		

100 fms. 30

2500
 3000
 3500
 4000
 4500
 5000
 5500
 6000
 6500
 7000
 7500
 8000
 8500
 9000
 9500
 10000

WINDIAL TEMPERATURES

WIND	TEMP	PER CENT WIND	TIME	WIND TIME
45				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

No. 2509 Date July 11 1885.

Sigsbee Machine. Reel.

Turns 41 Cor. 2 Depth 43

Shot or lead 18 lbs.

Bottom coarse sand

Bottom temperature 35

No. of thermometer 52721 Cor. - .2

Corrected temperature 34.8

Air 64 Surface 61 Drift N. 0.75 W. 1/2

Trawl or dredge dipnet

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11 25 00

0

11 25 30

11 25 00

100

11 26 00

11 25 30

~~200~~ 300

11 26 30

11 26 00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	1500	
	1400	
	1300	
	1200	
	1100	
	1000	
	900	
	800	
	700	
	600	
	500	
	400	
	300	
	200	
	100	
	000	

SPRINT TRACKS (1000)

DATE	TIME	NO. OF TRACKS	TIME	REMARKS
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
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72				
73				
74				
75				
76				
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78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

REMARKS:

No. 819 Sigsbee Date July 8th 1885

Machine Reel

Turns 38 Cor. 2 Depth 40

Shot or lead 18 lbs.

Bottom rocky

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air 65 Surface 61 Drift

Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE ROPE	
DOWN	UP		DOWN	UP
12.17.33		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		

No. 2510 Date July 15 1907

Machine. Reel.

Turns 66 Cor. 2 Depth 61

Shot or lead 15 lbs.

Bottom soft mud, black, shelly.

Bottom temperature 59.5

No. of thermometer 15131 Cor. - .3

Corrected temperature 59.2

Air Surface Drift

Trawl or dredge 25 ft

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7 15 21

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

12 15 21

15 21 27

2900
 2800
 2700
 2600
 2500
 2400
 2300
 2200
 2100
 2000
 1900
 1800
 1700
 1600
 1500
 1400
 1300
 1200
 1100
 1000

SPECIAL TEMPERATURES.

DEPTH	TEMP.	NO. OF THER.	TIME	LOG TEMP.
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

Surface water under way, heavy rain
 and high wind, 12-15 knots

No. *211* Date *July 18 1881*
 Machine. — Reel.
 Turns *17* Cor. *17* Depth *17*
 Shot or lead *35 lb*
 Bottom *fine sand*
 Bottom temperature
 No. of thermometer *1158* Cor. *- 4*
 Corrected temperature *21.6*
 Air *62* Surface *58* Drift
 Trawl or dredge *1'*

SOUNDING WIRE.

UPPER.

10

TENS.

DREDGE ROPE.

DOWN.

10

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. 2512 Date July 11 1885.
Tanner Machine. Reel.

Turns 100 Cor. 1 Depth 703

Shot or lead 18 lbs.

Bottom fine sand

Bottom temperature 43

No. of thermometer 53731 Cor. -4

Corrected temperature 42.6

Air 62 Surface 55 Drift 1/2 mi

Trawl or dredge Shrimp

SOUNDING WIRE		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
		0	2.11.20	37.
		100	2.12.20	35.20
		200	2.13.20	34.00
		300	2.14.30	32.30
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000

LOCAL TEMPERATURES

Hour	1000	1500	2000	2500
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

REMARKS

18
 1900-2000 - 1000 - 1500 - 2000 - 2500 - 3000

No. 2512 Date July 11 1885

Machine. Reel Reel.

Turns 230 Cor. + ✓ Depth 134

Shot or lead 35 lb

Bottom gy. s. m.

Bottom temperature 46

No. of thermometer 55731 Cor. -.4

Corrected temperature 43.6

Air 62 Surface 58 Drift S. 57. 1/2 W.

Trawl or dredge Small Brass

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
0	42.00	0	5.47.00	30.
10		100	5.47.30	23.
20		200	5.48.00	20.30
30		300	5.48.00	
40		400	6.05.00	6.18.00
500				
600				
700				
800				
900				
1000				
1100				
1200				
1300				
1400				
1500				
1600				
1700				
1800				
1900				
2000				
2100				
2200				
2300				
2400				

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF PROB.	USE	DATE, TIME.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS

29. Surface pressure - 10.16 - 10.16
 surface temp. - 20.0 - 20.0
 - 10.16 - 10.16

No. 5512

Date July 11th 1880

Tanner Machine. Reel.

Turns 122 Cor. 4 Depth 126

Shot or lead 18 lbs.

Bottom black mud.

Bottom temperature 43°

No. of thermometer 50751 Cor. - 4

Corrected temperature 43.1

Air 62 Surface 59 Drift S 5/4 E 2 M

Trawl or dredge Small Beam

SOUNDING WIRE.

DOWNS.

UP.

TURNS.

DREDGE ROPE.

DOWNS.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWNS.	UP.		DOWNS.	UP.
7-9.00	7.17.00	0	7.16.	86.
		100	20.	80.45
		200	34.20	87.15
		300	21.18	7.45
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES

DEPTH	TEMP	NO. OF THERM	TIME	DATE
40				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				
1050				
1100				
1150				
1200				
1250				
1300				
1350				
1400				
1450				
1500				
1550				
1600				
1650				
1700				
1750				
1800				
1850				
1900				
1950				
2000				

REMARKS

Ammonia *Subgaster fragilis*
Chlorocera *maritima* *fish*
shrimp - 1 example.

No. 820 *And* Date July 11th 1885
Tanner Machine. Reel.

Turns 52 Cor. 2 Depth 54

Shot or lead 18 lbs.

Bottom sand

Bottom temperature 38

No. of thermometer 53751 Cor. - .2

Corrected temperature 37.8

Air 60 Surface 58 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.22.00		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

DEPTH, TEMPERATURE,

DEPTH	TEMP.	NO. OF THERM.	COR.	COR. TEMP.
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

107

No. 2115 Date May 13 1881

Machine. Reel.

Turns 52 Cor. 2 Depth 57

Shot or lead 18 lb

Bottom gy. s. m.

Bottom temperature 36.5

No. of thermometer 30144 Cor. - .2

Corrected temperature 36.3

Air 60 Surface 58 Drift

Trawl or dredge 5 ft

SOUNDING WIRE		FATHOMS	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		

3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

SURFACE TEMPERATURES.

DEPTH	YEAR	NO. OF READS.	TEMP.	DATE, TIME
0				
5				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS:

Trans. W. C. ...

No. *3576* Date *1902*
 Machine *Sigsbee* Reel *1*
 Turns *363* Cor. *1* Depth *364*
 Shot or lead *35 lb*
 Bottom *gy. m. s.*
 Bottom temperature
 No. of thermometer *12* Cor. *- .2*
 Corrected temperature *36.3*
 Air *57* Surface *57* Drift *0 0*
 Trawl or dredge *Agassiz*

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		

	3000	
	2800	
	2600	
	2400	
	2200	
	2000	
	1800	
	1600	
	1400	
	1200	
	1000	
	800	
	600	
	400	
	200	
	0	

SEIUAL TEMPERATURES

DEPTH	TIME	NO. OF THERM.	TEMP.	WIND DIRECTION
20				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

[Handwritten notes and signatures in the remarks section, including a signature that appears to be "W. H. ..."]

No.

Date

Machine. Reel.

Turns

Cor.

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor. = 2

Corrected temperature

3 F. 3

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE

D.W.S.

F.F.

TURNS

D.W.S.

F.F.

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

	1200	
	2100	
	3000	
	3500	
	4000	
	4500	
	5000	
	5500	
	6000	
	6500	
	7000	
	7500	
	8000	
	8500	
	9000	
	9500	
	10000	

SUBIAL TEMPERATURES

DEPTH.	TEMP.	WIND-OR-CURR.	DIR.	WAVE-HEIGHT.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Handwritten notes in cursive script, mostly illegible due to fading and bleed-through.

No.

Date

Machine.

Reel.

Turns

Cor.

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor. - 2

Corrected temperature

35.7

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE

DREDGE ROPE

TURNS.

FEET.

TURNS.

TURNS.

FEET.

1000

1000

0

1000

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	8000	
	8500	
	9000	
	9500	
	10000	
	10500	
	11000	
	11500	
	12000	
	12500	
	13000	
	13500	
	14000	
	14500	
	15000	
	15500	
	16000	
	16500	
	17000	
	17500	
	18000	
	18500	
	19000	
	19500	
	20000	

MONTHLY TEMPERATURES:

DATE	TEMP.	WIND DIRECTION	WIND	SEA STATE
1st				
2nd				
3rd				
4th				
5th				
6th				
7th				
8th				
9th				
10th				
11th				
12th				
13th				
14th				
15th				
16th				
17th				
18th				
19th				
20th				
21st				
22nd				
23rd				
24th				
25th				
26th				
27th				
28th				
29th				
30th				
31st				

REMARKS:

Handwritten notes and signatures in the remarks section.

No. 1254 Date July 12 1880
 Machine. Sigsbee Reel.
 Turns 46 Cor. + 2 Depth 48
 Shot or lead 18 lb
 Bottom gy. m.
 Bottom temperature 39
 No. of thermometer 5123 Cor. -3
 Corrected temperature 36
 Air 60 Surface 60 Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS

DREDGE ROPE.

DOWN.

UP.

12-1880

Shot & lead broken. Core of lead and shot
 was broken up. Shot & lead was in all the places except
 2000 to 2100 fathoms.

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

1500
 1400
 1300
 1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

WIND TEMPERATURE

DEPTH	TEMP	WIND DIR	WIND	WIND TEMP
15				
30				
45				
60				
75				
90				
105				
120				
135				
150				
165				
180				
195				
210				
225				
240				
255				
270				
285				
300				

REMARKS

No. 212

Date July 2 1882

Machine. Reel.

Turns 51 Cor. - Depth 51

Shot or lead 35 lbs

Bottom sand

Bottom temperature 17.8

No. of thermometer 3281 Cor. - 3

Corrected temperature 39.2

Air Surface Drift 1/2 S 5

Trawl or dredge

SOUNDING WIRE

DREDGE ROPE

DOWN.

UP.

THRES.

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

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

GRAIN TEMPERATURES

DEPTH	TIME	NO. OF THER.	USE	GR. TEMP.
75				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS

2071

No. 220 Date July 1888

Machine Reel

Turns Cor. 2 Depth 2

Shot or lead 18

Bottom

Bottom temperature

No. of thermometer

Cor. -1.4

Corrected temperature

45.6

Air Surface

Drift N.E.

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		

No. *11* Date *July 11 1881*
 Machine. *Lucas* Reel.
 Turns *5* Cor. *2* Depth *5*
 Shot or Lead *15 lb*
 Bottom *gy. m. s. gy. m.*
 Bottom temperature
 No. of thermometer *53131* Cor. *-.24*
 Corrected temperature *42.1*
 Air Surface Drift *1/2 E 1/2 S*
 Trawl or dredge

SOUNDING WIRE		FMS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
	<i>2 3 3 6 6</i>	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		

No. *2507* Date *July 12 1882*
Machine. *Reel.*

Turns *180* Cor. *0* Depth *180*

Shot or lead *18 lb*

Bottom *S. G.*

Bottom temperature *46.7*

No. of thermometer *52131* Cor. *-0.2*

Corrected temperature *46.5*

Air *62* Surface *61* Drift *1/2 S 1/2 E*

Trawl or dredge *S. G.*

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		

1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000

PHYSICAL OBSERVATIONS

TIME	TEMP.	WIND DIRECTION	WIND	SEA STATE
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

OBSERVED
 BY: *[Signature]*

No. *Hyd 822* Date *July 12th 1884*
Tanner Machine. Keel.

Turns *97* Cor. - *3* Depth *100*

Shot or Lead *18 lbs*

Bottom *Gravel*

Bottom temperature *was taken*

No. of thermometer Cor.

Corrected temperature

Air *61* Surface *62* Drift

Trawl or dredge

SOUNDING WIRE		FATHOMS.	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		

3000
 2500
 2000
 1500
 1000
 500
 0
 500
 1000
 1500
 2000
 2500
 3000

ANAL. YEMPOBAYUM

YEMPOBAYUM	ML. OF FUEL	HR.	VAL. TEMP.
0			
10			
20			
30			
40			
50			
60			
70			
80			
90			
100			

ANAL. YEMPOBAYUM

No. *Hyd 823* Date *July 13 '12* *mid*
Tanner Machine. Reel.

Turns *72* Cor. *2* Depth *74*

Shot or lead *18 lbs.*

Bottom *coarse gravel*

Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air *60* Surface *62* 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		

1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

HYPICAL ESTIMATIONS

DEPTH	TIME	NO. OF TUBES	NO.	NO. OF TUBES
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50

ESTIMATED

No. *Hyd 824* Date *July 13th 2, 1881*

Tanner Machine. Reel.

Turns *327* Cor. *10* Depth *337*Shot ~~or~~ lead *18*Bottom *broken mud*Bottom temperature *same taken*

No. of thermometer Cor.

Corrected temperature

Air *60* Surface *62* Drift

Trawl or dredge

SOUNDING WIRE.		FMS.	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		

100
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

SUBJECT TEMPERATURES

TIME	TEMP.	NO. OF VIBS.	VIB.	VIB. TEMP.
11 00				
11 05				
11 10				
11 15				
11 20				
11 25				
11 30				
11 35				
11 40				
11 45				
11 50				
11 55				
12 00				
12 05				
12 10				
12 15				
12 20				
12 25				
12 30				
12 35				
12 40				
12 45				
12 50				
12 55				
13 00				
13 05				
13 10				
13 15				
13 20				
13 25				
13 30				
13 35				
13 40				
13 45				
13 50				
13 55				
14 00				
14 05				
14 10				
14 15				
14 20				
14 25				
14 30				
14 35				
14 40				
14 45				
14 50				
14 55				
15 00				
15 05				
15 10				
15 15				
15 20				
15 25				
15 30				
15 35				
15 40				
15 45				
15 50				
15 55				
16 00				
16 05				
16 10				
16 15				
16 20				
16 25				
16 30				
16 35				
16 40				
16 45				
16 50				
16 55				
17 00				
17 05				
17 10				
17 15				
17 20				
17 25				
17 30				
17 35				
17 40				
17 45				
17 50				
17 55				
18 00				
18 05				
18 10				
18 15				
18 20				
18 25				
18 30				
18 35				
18 40				
18 45				
18 50				
18 55				
19 00				
19 05				
19 10				
19 15				
19 20				
19 25				
19 30				
19 35				
19 40				
19 45				
19 50				
19 55				
20 00				
20 05				
20 10				
20 15				
20 20				
20 25				
20 30				
20 35				
20 40				
20 45				
20 50				
20 55				
21 00				
21 05				
21 10				
21 15				
21 20				
21 25				
21 30				
21 35				
21 40				
21 45				
21 50				
21 55				
22 00				
22 05				
22 10				
22 15				
22 20				
22 25				
22 30				
22 35				
22 40				
22 45				
22 50				
22 55				
23 00				
23 05				
23 10				
23 15				
23 20				
23 25				
23 30				
23 35				
23 40				
23 45				
23 50				
23 55				
24 00				

REMARKS:

501 SEP

No. 2523 Date July 13th 4:05 A.M.

Sigsbee Machine. 1 Reel.

Turns 100 Cor. 11 Depth 111

Shot or lead 35

Bottom Sand & gravel & stones

Bottom temperature 42

No. of thermometer 53731 Cor. -.4

Corrected temperature 41.6

Air 59 Surface 60 Drift $\frac{1}{4}$ m. West

Trawl on dredge Ship

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4 05.00	03.00	0	4 26.00	49.40
4 05.50	4 06.00	100	30.40	44.30
		200	34.00	4, 41.00
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	4200	
	4300	
	4400	
	4500	
	4600	
	4700	
	4800	
	4900	
	5000	
	5100	
	5200	
	5300	
	5400	
	5500	
	5600	
	5700	
	5800	
	5900	
	6000	

SERIAL CUMULATIONS.

DEPTH	TEMP.	NO. OF TUBES	TIME	TIME
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
	Dredge contained			

REMARKS.

2 Specimens of *Halimeda*. Some large shells, bottom tubes, sea urchin, few *Opithuria* on *Halimeda*. *Staur*. *Por*. *Sponges* *Porodan* *Por*. few *Shrimp*

No. 2524 Date July 13th 5:05 AM

Tanner Machine. Reel.

Turns 83 Cor. 2 Depth 85

Shot or lead 18 lbs

Bottom Sand, gravel & Stone

Bottom temperature 43.

No. of thermometer 53731 Cor. -.4

Corrected temperature 42.6

Air 60 Surface 60 Drift 1/4 m N 5 W

Trawl or dredge Ship

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.05	10.40	0	5.14.00	31.20
05.40	5.09.40	100	, 18.20	27.10
		148	, 20.00	5.25.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2970
	2980
	2990
	3000
	3010
	3020
	3030
	3040
	3050
	3060
	3070
	3080
	3090
	3100
	3110
	3120
	3130
	3140

SERIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	COR.	MEAN TEMP.
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200	No data continued			

Some Halithurans, ^{SERIALS} Lamp shells.
 Red Anemones. Worm taken
 few shrimp Stone

507. SSPNo. 2525Date July 13th 5:44 AM '16.

Tanner Machine. Reel.

Turns 70 Cor. 2 Depth 72Shot or lead 18 lbsBottom Sand, gravel & Brn ShellsBottom temperature 43No. of thermometer 53731 Cor. -.4Corrected temperature 43.6Air 62 Surface 60 Drift 1/4 m E X NTrawl or dredge Ship

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.44.20	48.00	0	5.54.30	16.00
45.00	47.10	100	59.	12.20
		138	6.04	6.10.00
		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 THERM.	LOG.	NO. TEMP.
45				
50				
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				
4100				
4200				
4300				
4400				
4500				
4600				
4700				
4800				
4900				
5000				
5100				
5200				
5300				
5400				
5500				
5600				
5700				
5800				
5900				
6000				
6100				
6200				
6300				
6400				
6500				
6600				
6700				
6800				
6900				
7000				
7100				
7200				
7300				
7400				
7500				
7600				
7700				
7800				
7900				
8000				
8100				
8200				
8300				
8400				
8500				
8600				
8700				
8800				
8900				
9000				
9100				
9200				
9300				
9400				
9500				
9600				
9700				
9800				
9900				
10000				

Dredge contained

REMARKS:

Sponges, shells - quite numerous,
 almost no bacteria.
 Algae - plants

