

Nº 17.

May 30th 1890.

June 24th 1890.

Dr 3228 to 3262.

Hyd-2317 to 2385.

No. *2317* Date *May 30/90*
Hand Line Machine. Reel.
 Turns — Cor. + — Depth *16*

Shot or lead *12 lbs.*

Bottom *S. brk Sh.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *42* Surface *43* Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>140</i>		0		
<i>5-12-0</i>		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

487

No. 2318 Ky Date May 30/90
Hand Lead Machine. Reel.

Turns — Cor. + — Depth 22

Shot or lead 12 lbs -

Bottom bk s

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 41 Surface 42 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

5-30-0

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 TEMPERATURE,

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

REMARKS.

507:1
H.P.
CH

No. 2319 *Tyd* Date *May 30/90.*
Name *Lucas* Machine. Reel.

Turns — Cor. + — Depth *16*

~~Shot or lead~~ *12 lbs.*

Bottom *bk. s.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *11* Surface *12* Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
<i>6-55-0</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		

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

SERIAL TEMPERATURE,

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

REMARKS.

No. *2320 Hy?* Date *May 30/90*
Hand Lead Machine. Reel.

Turns — Cor. + — Depth *14*

Shot or lead *12 lbs.*

Bottom *bk. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *43* Surface *43* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>7-25-00</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		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *2321 Hy* Date *May 30/90*
~~Hand Lead~~ Machine. Reel.
 Turns — Cor. + — Depth *130*
~~Shot or lead~~ *12 lbs.*
 Bottom *fx. S.*
 Bottom temperature —
 No. of Thermometer — Cor. —
 Corrected temperature —
 Air *113* Surface *43* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4 w</i> <i>8-00-00</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		

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

SERIAL TEMPERATURE,

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

REMARKS.

H.C. J.
567.

No. 2322 Hyd Date May 30th 1890-
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 12 fms.

Shot or lead 12 lbs.

Bottom co. bk. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 43 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
8.53.00	8.56.00	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	

SERIAL TEMPERATURE.

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

REMARKS.

No. 2323 Hyd. Date May 30th 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 13 fms.

Shot or lead 12 lbs.

Bottom fine br. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 43 Surface 44 Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.30.00	9.33.00	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	

SERIAL TEMPERATURE.

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

REMARKS.

N.S.S.
067.

No. 2324 Hyd. Date May 30th 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 11 fms.

Shot or lead 12 lbs.

Bottom cor. S. & D.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 43 Surface 44 Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
10.20.00	10.23.00	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	

SERIAL TEMPERATURE,

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

REMARKS.

W.F. J.
567.

No. 2325 Hyd. Date May 30th 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 12 fms.

Shot or lead 12 lbs.

Bottom fine G.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 43 Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
10.40.00	10.43.00	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

SERIAL TEMPERATURE.

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

REMARKS.

NC 21
5007

No. 2326 Hyd. Date May 30th 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 14 fms.
Shot or lead 12 lbs.

Bottom fm. gy. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 45 Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.00.00

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	

SERIAL TEMPERATURE,

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

REMARKS.

No. *2327* Key Date *May 30-90**Sound* Read Machine. Reel. *—*Turns *—* Cor. + *—* Depth *13 fms.*~~Shot or lead~~ *12 lbs.*Bottom *fine. bk. s.*Bottom temperature *"*No. of Thermometer *—* Cor. *—*Corrected temperature *—*Air *44* Surface *45* Drift. *—*Trawl or dredge or tangles *—*

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

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

SERIAL TEMPERATURE,

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

REMARKS.

813
667

No. 2328 Key Date May 30. 90
Tanner Lead Machine. Reel.

Turns — Cor. + — Depth 13 fms

Shot or lead 12 lb

Bottom crs bk. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 48° Surface 46° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.58.00 12.59.30

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

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

SERIAL TEMPERATURE,

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

REMARKS.

No. *2329* Date *May 30 10*
Hand Machine. — Reel.

Turns — Cor. + — Depth *11 fms.*

Shot or lead *12 lb*

Bottom *bk S + G.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *46* Surface *48* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.30.00</i>	<i>1.31.00</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		

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

SERIAL TEMPERATURE,

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

REMARKS.

No. *2330* Key Date *May 30, 90*

Tanner Machine. Reel.

Turns - Cor. + - Depth *13 fms*Shot or lead *28 lb*Bottom *y*Bottom temperature *39°*No. of Thermometer *63902* Cor. -Corrected temperature *39°*Air *47* Surface *46* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>0.7m</i>	<i>0.7m</i>			
<i>2.44.00</i>	<i>44.30</i>	0		
<i>44.15</i>	<i>2.44.16</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

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

REMARKS.

W.H.H.

No. *2331* Hy. Date *May 30/90.*
Hand Lead Machine. Reel.

Turns — Cor. + — Depth *16*

Shot or lead *12 lbs.*

Bottom *bk. G.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *47* Surface *42* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>W</i> <i>4-07-0</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		2200		
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	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

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

REMARKS.

W.H.H.

No. *2332* Hy Date *May 30/90*
Hona Lona Machine. Reel.

Turns — Cor. + — Depth *18*

Shot or lead *12 lbs.*

Bottom *bk. G.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *45* Surface *41* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
<i>Down</i> DOWN.	UP.		DOWN.	UP.
<i>5-51-0</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1400		
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		1600		
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		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.	COR.	COR. TEMP.
25				
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700				
800				
900				
1000				

REMARKS.

5021
H.P.

No. 2333 Hy Date May 30/90
Tanner Machine. Reel.

Turns 14 Cor. + — Depth 14

Shot or lead 28 lbs.

Bottom bk. s.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-03-0	7-05-30	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		

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

SERIAL TEMPERATURE.

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

REMARKS.

Handwritten initials and scribbles

No. *2334* Date *May 30/90*
Hand Lead Machine. — Reel.

Turns — Cor. + — Depth *12*

~~Shot or lead~~ *12 lbs.*

Bottom *gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *45* Surface *44* Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>0.10</i> <i>7-58-0</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		

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

SERIAL TEMPERATURE,

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

REMARKS.

1507. C. J.

No. 2335 Hyd Date May 30th 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 9 fms.

Shot or lead 12 lbs.

Bottom fine gy. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 43 Drift.

Trawl or dredge or tangles

8.39 SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8.39.00 8.42.00

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	

SERIAL TEMPERATURE,

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

REMARKS.

567.
H. J.

No. 2336 Hyd Date May 30th 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 11 fms.

Shot or lead 12 lbs.

Bottom fine. bk. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.58.00	9.01.00	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	

SERIAL TEMPERATURE.

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

REMARKS.

1757

No. 2337 Hyd Date May 30th 1890.
 Hand lead Machine. — Reel.

Turns — Cor. + — Depth 16 fms.

Shot or lead 12 lbs.

Bottom fm. gy. S. bk. Sp.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 42 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.15.00	10.18.00	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	

SERIAL TEMPERATURE.

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

REMARKS.

147.5
H.S.F.

No. 2338 Hyd. Date May 30th 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 12 fms.
~~Shot or lead~~ 12 lbs.

Bottom fine gy. s. bk. Sp.
Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 42 Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.32.00	10.35.00	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	

SERIAL TEMPERATURE,

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

REMARKS.

No. 2339 Key Date May 31, 1890

Sigsbee Reel Machine. Reel.

Turns — Cor. + — Depth 13 fms

Shot or lead 12 lb

Bottom fine bk. S

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.06.00 4.08.00

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	

SERIAL TEMPERATURE,

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

REMARKS.

No. 2340 Date May 31. 1890

Sounding Machine. Reel.

Turns Cor. + Depth 19 fms

Shot or lead 12 lbs

Bottom bk S. + G

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 44 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4-46.10

4.48.00

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	

SERIAL TEMPERATURE,

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

REMARKS.

No. *2341* Date *May 31. 90*
Tanner Machine. — Reel.

Turns *19* Cor. + — Depth *19 fms*

Shot or lead *28 lb*

Bottom *bk S + G*

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air *44* Surface *43* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5 27.40</i>	<i>5 28.40</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		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2342 Key Date May 31st 1890
 Tanner Machine. Reel.

Turns 46 Cor. + Depth 16 fms

Shot or lead 20 lbs

Bottom 615.5.4 g.

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 42 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.22.10

6.22.50

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 TEMPERATURE,

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

REMARKS.

567.
5.13.

No. 2343 Key Date May 31st 90

Handed Machine. — Reel. —

Turns — Cor. + — Depth 15 fms

Shot or lead 12 lbs

Bottom fine gy S + G.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 42 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.07.30

7.09.00

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	

SERIAL TEMPERATURE.

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

REMARKS.

No. 2344 Date May 31st 90.

Sigsbee Reel Machine. — Reel.

Turns — Cor. + — Depth 143/4 fms.

Shot or lead 12 lb.

Bottom fine gy. s. & g.

Bottom temperature —

No. of Thermometer —

Cor. —

Corrected temperature —

Air 43 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.31.00

7.34.00

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	

SERIAL TEMPERATURE.

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

REMARKS.

No. 2345-86 Date May 31 90
 Ocean Lead Machine. — Reel.

Turns — Cor. + — Depth 13 fms

Shot or lead 12 lb

Bottom fine gy S. & G.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 42 Surface 41 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7. 47.0

7. 50.00

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	

SERIAL TEMPERATURE.

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

REMARKS.

No. *2346* Hy Date *May 31/90*
Hand Lead Machine. — Reel.

Turns — Cor. + — Depth *10*

Shot or lead *12 lbs* —

Bottom *gy s.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *43* Surface *42* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A.W</i>		0		
<i>P-40-0</i>		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

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

REMARKS.

030.

No. *2347* Date *May 31 190*
Hand Lead Machine. Reel.

Turns — Cor. + — Depth *7 1/2*

Shot or lead *12 lbs.*

Bottom *gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *43* Surface *43* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-10-0</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		

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

SERIAL TEMPERATURE.

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

REMARKS.

507
A.P.

No. *2348* Date *May 31/90*
Hand Machine. Reel.

Turns — Cor. + — Depth *10*

~~Shot~~ or lead *12 lbs*

Bottom *gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *44* Surface *44* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
<i>Also</i> DOWN.	UP.		DOWN.	UP.
<i>9-142-</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		

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

SERIAL TEMPERATURE,

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

REMARKS.

307. *APP.*
No. *2349* By Date *May 31/90*
Hanna Machine. — Reel.

Turns — Cor. + — Depth *8*

Shot or lead *12 lbs.*

Bottom *crs. bk. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *44* Surface *44* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>See</i>		0		
<i>10-14-0</i>		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

APL

No. *2350 Hy* Date *May 31/90*
Hand Lead Machine. — Reel.

Turns — Cor. + — Depth *10*

~~Shot or~~ lead *12 lbs.*

Bottom *gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *44* Surface *44* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>AW</i> <i>10-40-0</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		

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

SERIAL TEMPERATURE,

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

REMARKS.

Handwritten initials

No. *2351 Hy* Date *May 31/90*
Hand Land Machine. Reel.

Turns — Cor. + — Depth *7*

Shot or lead *12 lbs.*

Bottom *gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *46* Surface *45* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-12-0</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		

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

SERIAL TEMPERATURE.

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

REMARKS.

587
AP

No. *2352 Hy* Date *May 31/90*
Hand Lead Machine. Reel.

Turns — Cor. + — Depth *7*

~~Shot or lead~~ *12 lbs.*

Bottom *gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *45* Surface *44* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-36-0</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
<i>11-35-0 Hy.</i>		800		
<i>11-36-0</i>		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.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

461
W.A.V.

No. 2353 Hy Date May 13/90
Hand Lead Machine. Reel.

Turns — Cor. + — Depth 5 1/4

Shot or lead 12 lbs.

Bottom gy. s.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 46 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
11.57-0		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 TEMPERATURE.

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

REMARKS.

E.B.
1890

No. 2354 Date May 31st 1890.
Hand Made Machine. — Reel.

Turns — Cor. + — Depth 7 fms

Shot or lead 12 lbs.

Bottom gy S

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 46 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.20.00		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	

SERIAL TEMPERATURE,

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

REMARKS.

W.S.
667.

No. 2355 *Hyd* Date *May 31st* 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 5

Shot or lead 12 lbs.

Bottom *fine gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> 12. 28		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 TEMPERATURE.

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

REMARKS.

See next page.No. 2356 Date May 31, 96

Machine. — Reel.

Turns — Cor. + — Depth 4 1/2Shot or lead 12 lbBottom S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.15-001.16-00

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

C.W. Hyd. No 2357. May 31st 90.

Hand lead.

12 lbs.

bottom - P.
45°

4 1/2 fms.
44°

PM.

2.20.00 2.21.00

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

SERIAL TEMPERATURE,

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

REMARKS.

No. 2358

Date

May 31st 1890.

Machine.

Reel.

Turns

Cor. +

Depth

5 fathoms

Shot or lead

12 lbs

Bottom

P

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

46

Surface

45

Drift.

Trawl or dredge or tangles

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

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2359 *Hy^e* Date*May 31. 1890**Hand Sec'd* Machine. — Reel.

Turns — Cor. +

Depth *5 1/2 fms.*Shot or lead *12 lbs.*Bottom *G.*

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air *46* Surface *45* Drift.

Trawl or dredge or tangles

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

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

No. 2360 Key Date May 31st -90.

Hoover Lead Machine. Reel.

Turns — Cor. + Depth 6 1/4 fms.

~~Shot or lead~~ 12 lbs.

Bottom bk. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 44 Drift.

Trawl or dredge or tangles

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

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

J. B.
667

No. *2361* Hvy Date *May 31 1890*
Ward Machine. — Reel.

Turns — Cor. + — Depth *4 fms.*

Shot or lead *12 lbs.*

Bottom *S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *48* Surface *49* Drift. —

Trawl or dredge or tangles —

P.M.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4 17.00 *4 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

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

SERIAL TEMPERATURE,

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

REMARKS.

1 star fish. 1/2 doz sea trout
 2 sculpin 1/2 doz shrimp
 1 shell.

507
J. C. B.
No. 2362 Hy Date May 31. 1898

Hand lead Machine. — Reel. —

Turns — Cor. + — Depth $7\frac{1}{2}$ fms.

Shot or lead 12 lb

Bottom P.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 48 Surface 49 Drift:

Trawl or dredge or tangles

P.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.17.00

5.19.00

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

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

597. B

No. 3228 Date May 31. 90

Reel lead Machine. - Reel.

Turns - Cor. + - Depth 8 fms Cor.

Shot or lead 12 lbs

Bottom gy Sst P

Bottom temperature

No. of Thermometer - Cor.

Corrected temperature

Air 48 Surface 49 Drift. 1.4.6 3/8

Trawl or dredge or tangles Small beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.25.00		0	5.57.00	6.20.00
		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.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 Star fish, 1/2 doz sea trout
 2 Sculpin 1/2 doz shrimp,
 1 Chelone

No. *3229* Date *May 31. 1890*

Hand lead Machine. — Reel.

Turns — Cor. + — Depth *8 fms (600)*

~~Shot or lead~~ *12 lbs.*

Bottom *P. & gy. S.*

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature

Air *50* Surface *50* Drift. *1' NE 2 1/2 E*

Trawl ~~or dredge or tangles~~ *Small beam*

SOUNDING WIRE.		TURNS.	<i>PM</i> DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-07-00</i>		0	<i>6.24.00</i>	<i>6.50.00</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Shrimps (2 species), Scallop,
 sea urchin, rock coral, 2 flounders
 shells, ascidians.

507.
No. 3230 *Dr* Date May 31. 1890

Lead *Lead* Machine. — Reel.

Turns — Cor. + — Depth 3 1/4 fms.

Shot or lead 12 lbs.

Bottom gy S + P.

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature

Air 50 Surface 50 Drift N 1/2 E

Trawl or dredge or tangles Small beam

P.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

M.D. DREDGE ROPE.

DOWN.

UP.

6.37.00

0

6.42.00 7.10.00

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

REMARKS.

2 sculpin (2 spec.)
 young salmon; flounder
 Lepas shells, shrimp
 hermit crab, hydroids, Diopatra

No. *2363* Date *June 2-1890.*
Hand Lead Machine. Reel.
 Turns — Cor. + — Depth *4 1/4 fms.*
 Shot or lead *12 lbs.*
 Bottom *fk. s.*
 Bottom temperature —
 No. of Thermometer — Cor. —
 Corrected temperature —
 Air *43* Surface *45* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>down</i> <i>6-25-0</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		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

502
A.P.

No. *2364* Hy Date *June 2 - 1890.*
Hand Lead Machine. Reel.

Turns — Cor. + — Depth *4 1/2* fathoms

~~Shot or lead~~ *12 lbs.*

Bottom *fine gy S*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *44* Surface *45* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-50-0</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		

Retracted 6-52

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

507
H.P.

No. 2365 Hy Date June 2-1890.
Hand Lead. Machine. — Reel. 11 ft.

Turns — Cor. + — Depth 5 feet.

Shot or lead 12 lbs.

Bottom fine g.s.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
6-52-0		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 TEMPERATURE.

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

REMARKS.

567
A.P.

No. 2366 Hy. Date June 2 - 1890.
Hand Lead Machine. Reel.

Turns — Cor. + — Depth 5 1/2 fms.

Shot or lead 12 lbs.

Bottom fine gg S. & bk. sp.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
JM 7-24-0		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 TEMPERATURE,

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

REMARKS.

557.

No. *2367* Date *June 2 - 1890*
Hand Lead Machine. Reel.

Turns — Cor. + — Depth *12 fathoms*

~~Shot~~ or lead *12 lbs.*

Bottom *fine gy S. bk sp.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *45°* Surface *45°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>Adv</i> <i>7-42-0</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		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. 3231 *Dr* Date June 2^d 1890.
 Hand lead Machine. — Reel.

Turns — Cor. + — Depth 12 fms.

Shot or lead 12 lbs.

Bottom S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 47 Drift. S. x E. 1'

Trawl or dredge or tangles Large beam

A.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

A.M. DREDGE ROPE.

DOWN.

UP.

8.08.00

8.16.00

0

8.09.00

33.30

100

11.30

8.31.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

12 Hand lines over 10 minutes.
 10 minutes. — 1 deadman.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

5 sps. Star fishes. Shells. 2 sps. Shrimps.
 Several small Crabs. Sponges. Worms.
 Sea Urchins - Hydroids - Bryozoa.
 Sea Anemones. Smelts. 13 flounder.
 Few Sea Trout. Several small Sclerops.

1003.
667.

No. 3232 Dr Date June 2^d 1890.

Hand lead Machine. — Reel.

Turns — Cor. + — Depth 10 1/2 fms.

Shot or lead 12 lbs.

Bottom P. & St.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 47 Drift. 3/4' S.E. x S.

Trawl or dredge or tangles large beam —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.32.00 9.33.00

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

9.35.00 55.00

36.50 9.53.00

10 Hand lines - over pt. & side for
10 minutes - Catch - 1 sea Anemone.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Hexagrammus. *Sculpin*. 3 sps. *Shrimps*. *Sea Urchins*.
 3 sps. *Star fish*. *Norms*. *Sponge*.
Small Crabs. 1 *Small Pollock*.
Sea Anemone. *Few shells*.

1797.3

No. 3233 Date June 2^d 1890.

Tanner Machine. — Reel.

Turns 10 Cor. + —

Depth 7 1/4 fms.

Shot or lead 28 lbs.

Bottom S. & P.

Bottom temperature 44.5°

No. of Thermometer 63902 Cor. —

Corrected temperature 44.5°

Air 44 Surface 45 Drift 6/10' W. S. W.

Trawl or dredge or tangles Large beam.

A.M. SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
11.15.45	16.25	0	11.17.30	40.50
15.55	11.16.10	45 100	19.00	11.39.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 Hand lines over 24 ft side for 10 minutes. Catch - 1 Cod fish, 11 lbs.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Sculpin about 5 kinds Starfish
 Flounder 3 kinds
 Bull's Head Shrimps 2 kinds
 Hexagrammus, Shells 11 kinds
 Young Pollock, Starfish 4 kinds
 Sea urchins 1 Pck Crabs

No. 3234 Dr Date June 2^d 1890

Hand Lead Machine. Reel.

Turns — Cor. + — Depth 5 fms.

Shot or lead 12 lbs

Bottom gy S

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 48 Surface 47 Drift. —

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

12 56.00

12 39.50

0

12.49.00

128.11

100

41 55 12.47.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put over 8 hauls at 12.50 start sound line

In at 12.57

Check: Not

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

SERIAL TEMPERATURE.

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

REMARKS.

Nea Urchin 12 bbl.
Star fish 4 kinds
Shrimps 2 kinds
Horned Shells, *Sponges*, *Nea gamma*
Flounder *Sculpin*

No. 3.

No. 3235 Date June 7th 1890.
Hand lead Machine. Reel.

Turns — Cor. + — Depth 11 fms.

Shot or lead 12 lbs.

Bottom bk. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 44 Drift. 1' S.E. x S.

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3 38.00 3 39.00

0
50
100

3.40.00 4.00.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Tricked with 9 buoys over other side
for 10 minutes. Catal. 4 Cor. first.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

3 sps. Star fishes - 3 sps. Flounders.

8 Cod Fish - Av. Wt. 11 1/2 lbs.

Av. Leng. 31 1/2 in.

Sea Urchins. Fish Shells. 3 sps. Shrimps

Small Crabs. Young Pollock & other

Small fishes.

No. 3236 D² Date June 7th 1890

Tanner Machine. Reel.

Turns 18 Cor. + 0 Depth 14 ³/₄ fms.

Shot or lead 28 lbs

Bottom G. S. + sh.

Bottom temperature 39°

No. of Thermometer 63902 Cor. -

Corrected temperature 39°

Air 37 Surface 42 Drift. 1° S. 1/2 E.

Trawl or dredge or tangles Range Beam

SOUNDING WIRE.

DREDGE ROPE.

P.M. DOWN.	P.M. UP.	TURNS.	P.M. DOWN.	P.M. UP.
5.05.58	07.00	0	5.10.45	33.45
06.15	5.06.17	60	12.40	5.32.30
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Fished with 10 hand lines over, at the side for 15 minutes -
 Caught - 3 Cat fish.

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

SERIAL TEMPERATURE.

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

Sea Urchins. 2 sps. Flounders. Tom Cod. Young Pollock. Small sculpin. Star fishes. 4 sps	REMARKS. Crabs. (Small) Hermit Crabs. Shrimps. Two shells. Worms.
---	--

1107.
587.

No. 3237 *DE* Date June 7th 1890.
Sanner Machine. — Reel.

Turns — Cor. + — Depth 19 fms.

~~Shot or lead~~ 28 lbs.

Bottom gy. s. G. & Sh.

Bottom temperature Basenett Sounder

No. of Thermometer — Cor. —

Corrected temperature —

Air 36 Surface 41 Drift. 1 1/4' S 1/4' W.

Trawl or dredge or tangles Large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.00.00	.00.50	0	7.04.00	32.30
00.15	7.00.20	100	06.00	7.29.00
		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 TEMPERATURE.

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

REMARKS.

Few Star fishes -
 Few Small fishes -
 Few Shrimps.

No. 3238 *Dr* DateJune 7th 1890

Hand Lead Machine.

Reel.

Turns — Cor. + —

Depth 18 fms

~~Shot or lead~~ 12 lb.

Bottom fine gy S

Bottom temperature —

No. of Thermometer —

Cor. —

Corrected temperature —

Air 33[—] Surface 39 Drift. 1' South

Trawl or dredge or tangles Large Bean

SOUNDING WIRE.

DREDGE ROPE.

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

TURNS.

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

9.10.00

9.11.00

0

9.21.30

+9.00

60

100

25.00

9.46.45

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put over fish line slant round side 9.13
 in at 9.19
 Catch ~~was~~ 1 cod.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Flourides. Shells. Many young
 Pollock. Alligator fish Capelin
 1/2 Bu. Star fish Shrimp
 sponge. Ascidiens

No. 2368 Hy^e Date June 7th '90.
 Tanner Machine. — Reel.

Turns 23 Cor. + — Depth 22¹/₄ fms.
 Shot or lead 28 lbs.

Bottom fine gy S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 35 Surface 40 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 15.30	11. 16.00	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

SERIAL TEMPERATURE,

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

REMARKS.

No.

2369 Hy

Date

June 8/90

Hand Pump Machine.

Reel.

Turns

Cor. +

Depth

12 1/2 fms.

Shot or lead 12 lbs.

Bottom

fine gy S + R.

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

38

Surface

41

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

efcw

12-39-0

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 TEMPERATURE.

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

REMARKS.

1709.
1897.

No. 2370 Hy^d Date June 8th 1890.
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 10 $\frac{1}{2}$ fms.
Shot or lead 12 lbs.

Bottom fine gy. S.

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature —

Air 40[°] Surface 41[°] Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3 02.00		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	

SERIAL TEMPERATURE.

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

REMARKS.

W. D. J.
507.

No. 3239 *DE* Date June 8th 1890
Hand lead Machine. — Reel.

Turns — Cor. + — Depth 11 1/2 fms.

Shot or lead 12 lbs.

Bottom fine gy. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 40 Surface 44 Drift. 1 N.

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.00.00

4.01.00

0

4.34.30

57.15

100

36.00 4.55.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Fished with 7 fms. line over port side for 15 minutes. Catch 1 Cod fish.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

1 large Starry Flounder. 1 Shell -
 3 other spp. Flounders. 2 spp. Star fish.
 Young Pollock. Small Sculpin.
 12 pk. Shrimps. Podotrichus.
 1 young Catfish.

17.7.0.

No. 3240 Date June 8th 1890.
Tanner Machine. — Reel.

Turns 17 Cor. + — Depth 14½ fms.

Shot or lead 28 lbs.

Bottom fine bk. S.

Bottom temperature did not report

No. of Thermometer 63902 Cor. —

Corrected temperature —

Air 42 Surface 43 Drift. N. N. W. 1'

Trawl or dredge or tangles large beam —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.12.05

12.40

0

6.17.00

44.15

12.12

6.12.15

100

18.30

6.42.00

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 TEMPERATURE.

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

REMARKS.

4 sps. Flounders. 2 sps. Star fish.
 Small Sculpins. Smelts.
 Ascidians. Actinophyton -
 Shells. 2 sps. Shrimps.
 Young Pollock.

567.

No. 3241 Jr Date June 8th 1890
 Tanner Machine. - Reel. -

Turns 13 Cor. + - Depth 14 fms.

Shot or lead 28 lbs.

Bottom bk M.

Bottom temperature 38°

No. of Thermometer 63902 Cor. -

Corrected temperature 38°

Air 48° Surface 47° Drift. N 1/2 S by E

Trawl or dredge or tangles Large Beam

A. M.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8.34.30

35.00

0

8 46.45

05.35

34.40

8.34.42

100

47.15

9.04.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Stick with 1/4 handlines over port side
 for 10 minutes.
 Balch. Nil

1 mi

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

SERIAL TEMPERATURE,

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

REMARKS.

2 kinds
1/2 bu Star Fishes. Shrimps. Glaucus
shells, Hermit crabs. Ascidians
Basket Star. Young Pollock. A few
small fish.

No. 2371 *Hy* Date *June 8/90.*

Hand Lead Machine. — Reel.

Turns — Cor. + — Depth *8 fms.*

~~Shot or lead~~ *12 lbs.*

Bottom . — —

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *46* Surface *48* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

P.W.

2-52-0

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 TEMPERATURE.

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

REMARKS.

AP.

No. *2372* Hy Date *June 8/90*
Hand Lead Machine. — Reel.

Turns — Cor. + — Depth *8½ fms.*
~~Shot or lead~~ *12 lbs.*

Bottom — —

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *43* Surface *45* Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. 15-0</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		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

047.1

No. 2373 Hy Date June 8/90.
 Hand Lead Machine. - Reel.

Turns — Cor. + — Depth 11 1/2 fms.

Shot or lead 12 lbs.

Bottom — —

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 46 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Tow 3-32-0		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 TEMPERATURE,

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

REMARKS.

24711
107

No. 3242 Dr. Date June 8/90.
Hand Lead Machine. Reel.

Turns — Cor. + — Depth 11 fms

Shot or lead 12 lbs.

Bottom bk. m

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 43 Surface 45 Drift. $\frac{8}{10}$ W. S. W.

Trawl or dredge or tangles Large Beam

P.W.

SOUNDING WIRE.

P.W.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
3-35-0		0	3-45-0	02-30
		45		
		100	50-0	4-0-0
		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.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 pr Star fishes
 Shrimps 3 kinds 2 Trachurus
 A few Shells & other small
 Hydroids fish.
 Bryozoa
 Crabs.

567. *5613*
NO. 3.

No. *3243* Date *June 8th 1898*
Land Reel. Machine. —

Turns — Cor. + — Depth *4½ fms.*

Shot or lead *12 lb*

Bottom *fine gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *45* Surface *46* Drift. *410 N. S. W.*

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>P.W.</i> 5 28 0	5.30.00	0	5.32.00	<i>45.30</i>
		100	34.30	5.44.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*10 Land lines over port side
 for 5 minutes.
 Caught. Nix.*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

Star fishes.
 Shrimps.
 few shells.
 Crabs.

Flounders.
 several small fishes.
 Hermit Crabs.
 Ascidians.

567. *863*
W.C.S.

No. *3244* *SV* Date *June 9th 1890*
Handless Machine. Reel.

Turns — Cor. + — Depth *4¹/₂ fms*

Shot or lead *12 lb.*

Bottom *fine gy. s.*

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature

Air *40* Surface *43* Drift. *1' S. x W.*

Trawl or dredge or tangles *L.B.*

87 SOUNDING WIRE.

DOWN.

UP.

TURNS.

87 DREDGE ROPE.

DOWN.

UP.

5 15.00

5.16.00

0

5 19.30

36.10

25
100

1 21 30

5.35.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Put 8 feet wire over port side
 for 5 minutes -
 Cental. N.W.*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

1 large Sculpin. Shells.
 Shrimps. Leeches. Crabs.
 Alligator fish. Small fishes.
 Worms. Star fishes.
 2 sps. Flounders.

No. 3245 *LT*

Date

June 9th 1890

Hand lead Machine. — Reel.

Turns

Cor. +

Depth 11 $\frac{1}{2}$ fms.

Shot or lead 12 lbs.

Bottom S. & P.

Bottom temperature

No. of Thermometer

Cor. —

Corrected temperature

Air 41

Surface 44

Drift. S. S. E. $\frac{3}{4}$ M.

Trawl or dredge or tangles large beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.03.00

7.04.00

0

7.05.00

23.30

100

07.10 7.22.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Shot 10 hand lead over for side
for 8 minutes.
Cater - Nix.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS

Mussels - 10 other shells - Star fish.
 Bloundies - 2 sps - Shrimps 2 sps.
 1 large sculpin - small fishes -

No. 3246 Dr Date

June 9th 1896

Tanner Machine. — Reel.

Turns 19 Cor. + 0

Depth 17½ fms

Shot or lead 28 lbs.

Bottom G.

Bottom temperature 38°

No. of Thermometer 63902 Cor. —

Corrected temperature 38°

Air 41 Surface 40 Drift. S. W 1'

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

P.M. UP.

TURNS.

DREDGE ROPE.

P.M. DOWN.

P.M. UP.

8.36.05	36.55	0	8.45.00	03.20
36.25	8.36.30	60	51.00	9.03.15
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over 10 fathoms overboard side
for 10 minutes
Culch. net

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Hermit Crab Flounders Allysia
 fish 3 Young Pollock 1/2 Star fish
 Sand Dollars Shrimps 1/2 PK and
 a few shells

613

No. 2374 Key Date June 9th 1890
Tanner Machine. Reel.

Turns 23 Cor. + 0 Depth 21½ fms

Shot or lead 28 lbs.

Bottom S.

Bottom temperature 35°

No. of Thermometer 69902 Cor. -

Corrected temperature 35°

Air 39 Surface 38 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
07m	P. 7m			
10.01.46	03.50	0		
02.25	10.02.27	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.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2375 Key Date June 9, 1890.
 Tanner Machine. Reel.

Turns 26 Cor. + 0 Depth 26 fms.

Shot or lead 28 lbs.

Bottom G.

Bottom temperature 37.0

No. of Thermometer 63902 Cor. -

Corrected temperature 37.0

Air 39 Surface 38 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.		UP.	TURNS.	DOWN.	UP.
P. 712					
11.03.25		04.12	0		
03.55	11.03.59		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.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

H. G. J.

No. 3247 *D* Date June 13th 1890.
Tanner Machine. — Reel.

Turns 18 Cor. + — Depth 17 fms.

Shot or lead 28 lbs.

Bottom P. & H.

Bottom temperature 40.6°

No. of Thermometer 63902 Cor. —

Corrected temperature 40.6°

Air 41 Surface 43 Drift. $\frac{1}{4}$ mi S xx

Trawl or dredge or tangles Large beam.

<i>P.M.</i> SOUNDING WIRE.		TURNS.	<i>P.M.</i> DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 59. 35	2. 00. 15	0	2. 00. 00	09. 00
59. 45	1. 59. 55	100 ⁶⁰	2. 03. 00	2. 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		

*Fished with 8 hand lines over port side
 for 5 minutes.
 Catch - Nix.*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

3 sps. Star fish.
 5 sps. Shrimps.
 3 Crabs.
 9 Small Fishes.

1/2 pk. Sea Urchins.
 1/2 pk. Large Barnacles.
 Few Dead Mussel shells.
 Few shells.

467.
 J.E. B

No. 3248 *Dr* Date June 13th 1890.
 Tanner Machine. — Reel.

Turns 22 Cor. + — Depth 21 fms.

Shot or lead 28 lbs.

Bottom fine gy. s. & g.

Bottom temperature 43.0°

No. of Thermometer 63902 Cor. —

Corrected temperature 43°

Air 40° Surface 41° Drift. $\frac{9}{4}$ m S x W

Trawl or dredge or tangles large beam.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.36.15	37.05	0	3.41.00	4.03.30
36.25	3.36.35	20	46.30	4.01.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put 10 hand lines over port side for
 11 minutes —
 Calculate 2 lead fish

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Flounder, ^{1 1/2} Starfish, Shrimps,
 Hermit crabs. 4 kinds of Sculpin
 3 kinds of Flounder, Alligator Fish
 Crustacea

587.

No. 3249 Date June 13th 1890
 Tanner Machine. Reel.

Turns 15 Cor. + 0 Depth 13 1/2 fms.

Shot or lead 28 lbs.

Bottom fine gy. S. bk. Sp.

Bottom temperature 37°

No. of Thermometer 63902 Cor. -

Corrected temperature 37°

Air 39° Surface 39° Drift. E 8 1/2 mi.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.34.35	35.25	0	5.35.00	54.10
34.55	35.35	50	5.38.00	5.53.00
		100		
		200		
		300		
		350		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

P.M.

Dredge came up cup set and was put on again

Put 10 hauls over side for 1/2 minutes - Catch net

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

2 Blue Star fish 1 sp.
 4 rounders 2 sps. Small alligator
 fish, about 1 doz. chains, worms
 small shells, 1 aspidochelone
 1 Crab

8.E.B.
607.

No. 2376 Hys Date June 13th 1890
Tanner Machine. Reel.

Turns 18 Cor. + 0 Depth 16½ fms.

Shot or lead 28 lbs.

Bottom fine gy. S.

Bottom temperature 35.5

No. of Thermometer 63902 Cor. -

Corrected temperature 35.5

Air 38° Surface 39° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.40.30	41.15	0		
40.50	40.52	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over 11 fish bins over port side
for 12 minutes
16½ cod fish.
Caught

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

No. *3250* Dr. Date *June 13/90*
Tanner Machine. Reel.

Turns *19* Cor. + *—* Depth *17½ fms.*
 Shot or lead *28 lbs*
 Bottom *gy s*
 Bottom temperature *46.2*
 No. of Thermometer *63902* Cor. *—*
 Corrected temperature *46.2*
 Air *38* Surface *40* Drift. *Drift 1/2 S*
 Trawl or dredge or tangles *Large Benth*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-25-0</i>	<i>9-26-0</i>	0	<i>9-40-0</i>	<i>10-10-0</i>
		100	<i>48-0</i>	<i>10-07-0</i>
		60		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

At 9.06 P.M. 9 miles from Ship's side
9-36
10
Calcd. = 2 cable feet

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

SERIAL TEMPERATURE,

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

REMARKS.

Lot-Star fish 2 yds Hermit crabs
 5 Filamentous 2 " Shrimps
 2 Sculpins 4 Ligature fish
 Young Rockcod 10 other fish
 Shells Bryozoans
 Serpent Star -

HC. J.
507.

No. 2377 Hyd. Date June 14th 1890.
Tanner Machine. — Reel.

Turns 24 Cor. + — Depth 23 fms.

Shot or lead 28 fms.

Bottom fine gy. s.

Bottom temperature Therm? did not report

No. of Thermometer 63902 Cor. —

Corrected temperature —

Air 38° Surface 39° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12. 16. 30	17. 15	0		
16. 45	16. 50. 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.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

567.

No. 2378 Hyd. Date June 14th 1890.

Tanner Machine. - Reel.

Turns 25 Cor. + - Depth 24 fms.

Shot or lead 28 lbs.

Bottom fine gy. s.

Bottom temperature 37.0

No. of Thermometer 63902 Cor. -

Corrected temperature 37.0

Air 38 Surface 39 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.17.15

18.00

0

17.30

2.17.35

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

6 hand lines over port side for 10 minutes. Catch: 1 Cod fish.

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

Cod Measurements.

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Length.</i>			<i>Weight.</i>
50	<i>32 "</i>			<i>11 lbs.</i>
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

567. S.E.B.

No. 0320-10 Date June 14th 1890
 Ganner Machine. Reel. —

Turns 27 Cor. + 0 Depth 25 1/2 fms.

Shot or lead 28 lbs

Bottom fine gy. S

Bottom temperature 37.5

No. of Thermometer 63902 Cor. —

Corrected temperature 37.5

Air 38 Surface 39 Drift. S. 2 1/4°

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4.26.20

27.10

0

4.39.45

03.25

26.40

4.26.40

80
100

45.45

5-00.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put handlines over port side for
 10 minutes
 Collect 1 lead fish

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

1 bu. Hermit Crabs $\frac{1}{2}$ pk other Crabs
 4 spec Star fish, Basket Star, Ascid-
 eans, 1 box Nereids, 1 pk. of
 Shells, 3 spec. Echinoderms, Green
 pollock Allygator Fish, Sculpin

667.

No. 3252 *SV* Date June 14th 90
Sanner Machine. Reel.

Turns 31 Cor. + 0 Depth 29½ fms.
 Shot or lead 28 lbs.

Bottom *fk. M.*

Bottom temperature 44.8

No. of Thermometer 63902 Cor. —

Corrected temperature 44.8

Air 39 Surface 40 Drift. 1^m S. S. W.

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
7.02.00	13.47	0	7.16.15	42.20
03.27	7.03.30	100	22.12	7.38.45
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Put 9 hand lines over post wire for
 "minima"
 Check 1 lead fish*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

Hermit crab 1/2 lb. None
 118 w. I. serpent star - 2 kinds of shrimp
 Peck crabs Many young Pollock
 Shells Basket star Sculpin Albatross
 Starfish 4 species fish
 Ascidians. Large Liparis

No. 3253 Sr. Date

Reel.

Turns 35 Cor. + 1

Depth 36

Shot or lead 28 lbs.

Bottom M & S

Bottom temperature 35°

No. of Thermometer 63902 Cor. -

Corrected temperature 35°

Air 40 Surface 42 Drift. 1 1/2 m S x W.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

NEW DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
9-49-0		0	10-07-0	10-37-0
		100	14-0	10-32-0
		150	15-0	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

9-49-0
10-4-0
Out of Hand Lines on ship side.
Balot - nothing

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

4 bu. Serpent Stars.
 1 " Crab.
 1 lb Hermit.
 12 bu. Shells.
 Few Star fishes.
 Worms.
 Crustaceans.

Few shrimp.
 " Young Pollock.

No. 3254 *Dr* Date June 14th 1890.
Tanner Machine. — Reel.

Turns 45 Cor. + 1 Depth 46 fms.
Shot or lead 28 lbs.

Bottom gn. M. & S.

Bottom temperature 36.2°

No. of Thermometer 63902 Cor. —

Corrected temperature 36.2°

Air 41 Surface 43 Drift. 1' S. 1/4 W.

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.31.45	33.15	0	12.33.00	1 04.30
32.10	12.32.30	100	41.10	1 01.10
		200	43.30	12.59.00
		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 TEMPERATURE,

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

REMARKS.

10 bu. Ophiurans. / tw. shells.
 Few starfish. Few Alligator fish.
 Worms. Eel Buto.
 Shrimps. Many Hermit Crabs.
 Hydroids. 1 bu. Crabs.
 Anidians.
 Sponges.

No. 3255 Date June 14th 1891.

Tanner Machine. - Reel.

Turns 42 Cor. + 1 Depth 43 fms.

Shot or lead 28 lbs.

Bottom Gn. M. & S.

Bottom temperature 37°

No. of Thermometer 63902 Cor. -

Corrected temperature 37°

Air 42 Surface 44 Drift. 9 Sa. 2nd 1/2 mile

Trawl or dredge or tangles Large beam & surface

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3 31.43

33.55

0

3.34.30

58.00

32.00

33.10

100

41.00

3.52.00

130

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

for

15 minutes

Put over 9 fish lines on port side

Crotch

Crotch

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

SERIAL TEMPERATURE,

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

REMARKS.

1 Lays Holothurians
 10 bu Aplysians Ascidiates
 2 " shells Pylaja
 Worms 1/2 bu Starfish Sea Anemonies
 A few small fishes Shrimps
 Mollusks Mollusks In small crustacea
 Hydroid A few crabs

507
 7000

No. 3256 Dr Date June 14th 90
 Tanner Machine. Reel.

Turns 48 Cor. + 1 Depth 49 fms

Shot or lead 28 lbs

Bottom gn M. bk Sh.

Bottom temperature 35.0

No. of Thermometer 63902 Cor. -

Corrected temperature 35.0

Air 42 Surface 45 Drift. 1/2 m S 1/4 E

Trawl or dredge or tangles large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7 48.45	50.02	0	8-03-0	8-28-0
49.15	7.49.15	100	10-0	8-22-0
		40	12-0	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put 12 handlines of port side for
 10 minutes
 Catch 1 cod fish
 Toward surface net while dredging.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

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

REMARKS.

8 bush. Serpent Slats Egg Prints
 2 h. Shells Large Sausages
 Hermit-Crabs. young Pillers
 worms Aligator fish
 Hydroids
 Crabs
 Naked mole crabs

517
C. H. P.

No. 2379 Hy. Date June 14/90
Sigsbee Machine. Reel.

Turns 50 Cor. + 1 Depth 51

Shot or lead 28 lbs

Bottom gn. m.

Bottom temperature 36

No. of Thermometer 63902 Cor. -

Corrected temperature 36°

Air 43 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P. 10-30-0	10-32-0	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 TEMPERATURE.

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

REMARKS.

No. 2380 Hyd. Date June 15th 1890.
 Tanner Machine. — Reel.

Turns 45 Cor. + 1 Depth 46

Shot or lead 28 lbs.

Bottom

H. S. + M.

Bottom temperature

37°

No. of Thermometer 63902 Cor. —

Corrected temperature

37°

Air 42° Surface 43° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

12.35.00

12.36.00

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

SERIAL TEMPERATURE,

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

REMARKS.

Est. H.C. J.
567.

No. 2381 Hyd. Date June 15th 1890-
Tanner Machine. — Reel.

Turns 57 Cor. + 1 Depth 58

~~Shot or lead~~ 28 lbs.

Bottom bk. S. + M.

Bottom temperature 39°

No. of Thermometer 63902 Cor. —

Corrected temperature 39°

Air 42° Surface 43° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

J.M.
2.52.00 2.56.30

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

Put over 8 hand lines for 10 minutes -
Catch - Nil -

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

SERIAL TEMPERATURE,

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

REMARKS.

J.E.B.
867.

No. 2382 Hyd. Date June 24th 1890.
Tanner Machine. — Reel.

Turns 145 Cor. + 3 Depth 148 fms.

Shot or lead 28 lbs.

Bottom M. & fine S.

Bottom temperature 38.5°

No. of Thermometer 63902 Cor. —

Corrected temperature 38.5°

Air 43 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.46.10 53.10

0

49.50 2.50.00

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

REMARKS.

No. 3257 ^{LT} Date June 24th 1890.
 Tanner Machine. — Reel.

Turns 79 Cor. + 2 Depth 81 fms.

Shot or lead 28 lbs.

Bottom gy. s. & G.

Bottom temperature 39°

No. of Thermometer 63902 Cor. —

Corrected temperature 39°

Air 43 Surface 45 Drift. $\frac{3}{4}$ mi. N. x E.

Trawl or dredge or tangles large beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.04.20	06.30	0	4.21.00	5.03.30
14.55	4.15.05	100	25.25	59.25
		200	4.29.30	55.00
		300	32.00	4.52.00
		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.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1/2 pk. Prawns.
 1 pk. Hermit Crabs
 2 qts. Worms.
 2 qts. Ophiurans.
 Alligator fish.
 1 Flounder

4 sps. Star fishes.
 Shells.
 Crustacea.
 Crabs. (small)
 1 pk. Sea Urchins.
 1 large Skate.

No. 3258 Date June 24th 1890

Tanner Machine. — Reel.

Turns 68 Cor. + 2 Depth 70 fms.

Shot or lead 28 lbs.

Bottom H. S. & S.

Bottom temperature 39°

No. of Thermometer 63902 Cor. —

Corrected temperature 39°

Air 43 Surface 44 Drift. N 1/2 E 3/4 mile

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

6.31.00	33.30	0	6.33.30	10.00
32.30	6.32.35	100	38.40	06.30
		200	43.50	7.02.00
		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 TEMPERATURE,

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

REMARKS.

2 qts. Shrimps (4 eps)
 1 qt. Serpent Stars
 12 pk. Shells
 2 qts. Hermit Crabs
 12 pk. Alligator fish
 1 large Skate

1 pk. Real Mocking
 2 eps. Star fish
 2 Flounders

other small fishes

No. 3259 *jr* Date June 24th 1891
 Tanner Machine. Reel.

Turns 40 Cor. + Depth 41 fms

Shot or lead 28 lbs

Bottom bk. S. + G.

Bottom temperature 40.6

No. of Thermometer 63902 Cor. -

Corrected temperature 40.6

Air 42 Surface 44 Drift .8 E. S. E.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DREDGE ROPE.

AM DOWN.

AM UP.

TURNS.

DOWN.

UP.

8 34 55

8.35-58

0

8.56.00

23.36

100

9.02.30

19.00

115

200

04.05

9.18.40

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put 10 handlines over starboard side for
 20 minutes.
 Caught 19 lead fish 1 flounder 1 small halibut
 1 sculpin

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

100 Star fish 1/2 bu. Flounder " species
 1 bu shell with Hermit Crabs
 Sea Anemones 2 doz Sculpin
 Acidians 1 Skate
 Small shells a few allygator fish
 a few shrimp

No. *2383* Date *June 24th 1891*
Tanner Machine. Reel.

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

Shot or lead *28 lb*

Bottom *bk. G.*

Bottom temperature *40.8*

No. of Thermometer *63902* Cor. -

Corrected temperature *40.8*

Air *42* Surface *44* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

Am. DOWN.	Am. UP.	TURNS.	DOWN.	UP.
<i>10.06.20</i>	<i>07.45</i>	0		
<i>07.00</i>	<i>10.07.10</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Put 8 hand lines over starboard side
 for 14 minutes
 Catch: 18 dead fish*

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 3260

Date

June 24. 90

Sanner Machine.

Reel.

Turns 13

Cor. +

0.

Depth

13 fms

Shot or lead 28 lb

Bottom

fine bk. S

Bottom temperature

42

No. of Thermometer

63902

Cor. -

Corrected temperature

42°

Air

42

Surface

124

Drift.

N 1/2 W. 1/2

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.52.00

10.53.20

0

11.05.00

16.30

100

07.30

11.15.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put over 9 handline over starboard
side for 13-14 fms
Crack. 42. Coal fish 1 sand fish

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

SERIAL TEMPERATURE.

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

REMARKS.

1/2 doz Star fish
 1/2 doz Ophiurans
 1/2 " Shell Hermit Crab

No. 3261 *D⁵* Date June 24th 1890.

Tanner Machine. — Reel.

Turns 27 Cor. + — Depth 27 fms.

Shot or lead 28 lbs.

Bottom bk. G. & P.

Bottom temperature 41.2°

No. of Thermometer 63902 Cor. —

Corrected temperature 41.2°

Air 44 Surface 45 Drift. $3\frac{1}{4}$ mi N. & E.

Trawl or dredge or tangles large beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.09.45

11.00

0

12.21.10

47.30

10:05

12.10.15

100

27.50

46.00

200

12.30.15

12.44.30

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put over 10 hand lines (both sides) at
 12.10 - Hauled in at 12.30 -
 Caught - 11 Cod fish -
 * Sculpin.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Cod SERIAL TEMPERATURE. *Measurements*

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

REMARKS.

2 sps. Sea Machine. 2 qts. Sand Dollars.
 15 large Medusa. 2 qts. Shells.
 1 Star fish. Few Shrimps.
 Sponges.
 3 Holothurians.
 3 Louniers (fur).

No. 2384 Hyd Date June 24th 1890.
Tanner Machine. — Reel.

Turns 37 Cor. + — Depth 37 fms.

Shot or lead 28 lbs

Bottom cor. S. & G. & P.

Bottom temperature 40.2°

No. of Thermometer 63902 Cor. —

Corrected temperature 40.2°

Air 45° Surface 45° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.32.20

34.00

0

32.40

1.32.50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put over 12 hand lines (port side) at
12:35- hauled in at 1:50 -
Catch - 16 Cod Fish.

1 Sculpin.

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

Cod - SERIAL TEMPERATURE, *measurements*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	min.	7 tbs.	5	males.
50	max.	31 tbs.	11	females.
100	aver.	10 $\frac{2}{3}$ tbs.		
200	—			
300	Small holothurians. Sand			
400	larvae, & other small fishes.			
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3262 Dr Date June 24th 1890.

Tanner Machine. — Reel.

Turns 42 Cor. + 1 Depth 43 fms.

Shot or lead 28 lbs.

Bottom Hk. S. R.

Bottom temperature 40.70

No. of Thermometer 63902 Cor. —

Corrected temperature 40.7

Air 44 Surface 45 Drift. $\frac{1}{2}$ mi N. $\frac{1}{2}$ W.

Trawl or dredge or tangles Large beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.33.25

34.45

0

2.51.00

.07.50

33.45

2.33.50

100

58.15

.05.00

200

3.00.00

3.03.30

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

12 Hand lines over port side at
2.35. Hauled in at 2.50.
Catch:— 26 Cod fish.

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

SERIAL TEMPERATURE.

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

REMARKS.

1 qt. Shrimps.
 1/2 pk. shells.
 1 bu. sponges.
 Rock cod.
 1 Sculpin.
 Liparis.

Star fish.
 Hydroids.
 Bryozoa.
 Ascidians.
 Worms.
 Naked Mollusks.

J. S. B.
567

No. *2385* - Key Date *June 24, 1890*
Tanner Machine. Reel. *-*

Turns *60* Cor. + *2* Depth *62 fms*

Shot or lead *28 lbs*

Bottom *bk M.*

Bottom temperature *40°*

No. of Thermometer *63902* Cor. *-*

Corrected temperature *40°*

Air *43* Surface *45* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>PM</i> <i>4</i> <i>35-30</i>	<i>38 00</i>	0		
<i>36 00</i>	<i>4.36 00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put 10 handlines over board at 4.37
In at 4.53
Calch.
bad fish

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

SERIAL TEMPERATURE.

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

REMARKS.