

N<sup>o</sup>-12.

Sept'r 1<sup>st</sup> 1889

Sept'r 11<sup>th</sup> 1889.

Dr 3079 to 3093.

Hyd 1964 to 2049.

Copy Sagebee. Turns 4780.  
 Correction Table. No 2. Reel. Correction 253.

Cor.	Turns.	Cor.	Turns.	Cor.	Turns.
0	50	37	1800	141	3550
0	100	39	1850	145	3600
0	150	41	1900	150	3650
1	200	43	1950	154	3700
1	250	45	2000	158	3750
1	300	47	2050	162	3800
2	350	50	2100	167	3850
2	400	53	2150	171	3900
3	450	55	2200	175	3950
3	500	57	2250	179	4000
4	550	60	2300	184	4050
5	600	63	2350	188	4100
5	650	66	2400	193	4150
6	700	68	2450	197	4200
7	750	71	2500	202	4250
8	800	74	2550	206	4300
9	850	77	2600	211	4350
10	900	80	2650	216	4400
11	950	83	2700	221	4450
12	1000	86	2750	225	4500
13	1050	89	2800	230	4550
14	1100	92	2850	235	4600
15	1150	95	2900	240	4650
16	1200	99	2950	245	4700
18	1250	102	3000	250	4750
19	1300	106	3050	253	4780
21	1350	109	3100		
22	1400	113	3150		
24	1450	116	3200		
25	1500	120	3250		
27	1550	123	3300		
29	1600	127	3350		
31	1650	131	3400		
33	1700	135	3450		
35	1750	138	3500		

Tanner.

384 turns on reel.

Turns-16 to 38	+ 1.	
39-70	+ 2.	
71-105	+ 3.	
106-142	+ 4.	
143-190	+ 5.	
191-260	+ 6.	
261-384	+ 7.	

Abbreviations-

Ab'v'n.

Ab'v'n.

C.	Clay.	ers.	Coarse.
Co.	Coral.	fine.	Fine.
		hnd.	Hard.
G.	Gravel.	lrg.	Large.
Glob.	Globigerina.	cky.	Rocky.
M.	Mud.	sft.	Soft.
Oz.	Ooze.	sm.	Small.
P.	Pebbles.	stk.	Sticky.
		bk.	Black.
R.	Rocks.	br.	Brown.
S.	Sand.	bw.	Blue.
Sh.	Shells.	choc.	Chocolate.
sp.	Spicks.	dk.	Dark.
St.	Stones.	gn.	Green.
brk.	Broken.	rd.	Red.
gy.	Gray.	slat.	Slate.
lt.	Light.	yl.	Yellow.
Wh.	White.		

Last Numbers-

Hydro: 1963.

Dredge: 3078.

Swans Fountain Pen  
Sept. 14<sup>th</sup> 1889.



*N.C.S.*

No. 1964 Hydro. Date Sept. 1<sup>st</sup> 1889.

Tanner Machine. — Reel.

Turns 74 Cor. + 3. Depth 77 fms.

Shot or lead 25 lbs.

Bottom P.

Bottom temperature 46.1°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.8°

Air 59° Surface 59° Drift:

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*A.M.*

11.25.05

27.00

0

25.35

11.25.50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

# SERIAL TEMPERATURE.

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

# REMARKS.

No. 1965 Hydro. Date Sept. 1<sup>st</sup> 1889.

Tanner Machine. — Reel.

Turns 76 Cor. + 3 Depth 79 fms.

Shot or lead 25 lbs.

Bottom mky

Bottom temperature 45.9°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 45.6°

Air 60° Surface 60° Drift.

Trawl or dredge or tangles

# SOUNDING WIRE.

DOWN.

UP.

## TURNS.

# DREDGE ROPE.

DOWN.

UP.

12.09.10

11.15

0

09.50

12.10.00

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.

No. 1966 Hydro. Date Sept. 1<sup>st</sup> 1889.

Tanner Machine. — Reel.

Turns 169 Cor. + 5

Depth 174 fms.

Shot or lead 25 lbs.

Bottom gn. M. - fine gy. S.

Bottom temperature 43.9°

No. of Thermometer 51451

Cor. - 0.3°

Corrected temperature 43.6°

Air 60°

Surface 60°

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

17.22.20

27.12

0

23.15

25.30

100

24.50

12.24.15

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. *Hg. 1967* Date *Sept 1/89*  
*Tanner* Machine. — Reel.

Turns *85* Cor. + *3* Depth *88*

Shot or lead *25 lbs*

Bottom *Rky.*

Bottom temperature *45.5*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *45.5°*

Air *60* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. W.</i>				
<i>12-57-0</i>	<i>12-40-0</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.

No. *Hy. 1968* Date *Sept 1/89**Danner* Machine. — Reel.Turns *89* Cor. + *3* Depth *92*Shot or lead *25 lbs.*Bottom *lost 25 lb Lead*Bottom temperature *45.2*No. of Thermometer *51451* Cor.  $-0.3^{\circ}$ Corrected temperature *45.2*Air *60* Surface *60* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P. W.**12-49-15 12-51-15**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

*String line parted & lost me  
25 lb. Lead.*

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  
*Handwritten initials*

No. *Hy. 1969* Date *Sept 1/89.*

*Tanner* Machine. — Reel.

Turns *76* Cor. + *3* Depth *79*

Shot or lead *25 lbs*

Bottom *gn dw r S.*

Bottom temperature *46*

No. of Thermometer *514/51* Cor. *-0.3°*

Corrected temperature *45.7°*

Air *62* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

*P. M.* DOWN.

UP.

DOWN.

UP.

*1-07-0* *1-09-0*

- 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. *Ty. 1970*

Date

*Sept. 1/89*

Machine. — Reel.

Turns *150* Cor. + *5*

Depth

*155*

Shot or lead

*25 lbs.*

Bottom

*fx S.*

Bottom temperature

*44*

No. of Thermometer

*51151*Cor.  $-0.3^{\circ}$ 

Corrected temperature

*43.7^{\circ}*

Air

*62*

Surface

*60*

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

<i>P. W.</i>	DOWN.	UP.		DOWN.	UP.
<i>1-</i>	<i>38-30</i>	<i>43-0</i>	<i>0</i>		
	<i>40-0</i>		<i>100</i>		
	<i>41-0</i>	<i>1-41-30</i>	<i>55</i> <i>200</i>		
			<i>300</i>		
			<i>400</i>		
			<i>500</i>		
			<i>600</i>		
			<i>700</i>		
			<i>800</i>		
			<i>900</i>		
			<i>1000</i>		
			<i>1100</i>		
			<i>1200</i>		
			<i>1300</i>		
			<i>1400</i>		
			<i>1500</i>		
			<i>1600</i>		
			<i>1700</i>		
			<i>1800</i>		
			<i>1900</i>		
			<i>2000</i>		
			<i>2100</i>		
			<i>2200</i>		
			<i>2300</i>		
			<i>2400</i>		

	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. *Hy 1971* Date *Sept-1/89*

Tanner Machine. — Reel.

Turns *135* Cor. + *4* Depth *139*Shot or lead *25 lbs.*Bottom *bk s & m*Bottom temperature *44.2*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *43.9°*Air *62* Surface *62* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P. W.*  
*1-52-30**56-15*

0

*54-15**1-54-30*

100

*39*

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.

Trawl or dredge or tangles —————

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-5-0	8-30	0		
6-0	2-6-30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.



507  
 077.1.

No. *49* 1973 Date *Sept 1/89*  
*Tanner* Machine. — Reel.

Turns *87* Cor. + *3* Depth *90*

Shot or lead *25 lbs.*

Bottom *gn. m. & s.*

Bottom temperature *45.8*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *45.5°*

Air *62* Surface *62* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*2-21-30* *2-24-30*

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. 1944

Date

Sept 1/89

Machine. — Reel.

Turns

75

Cor. +

3

Depth

78

Shot or lead

25 lbs.

Bottom

fk s y s

Bottom temperature

46

No. of Thermometer

51451

Cor. - 0.3°

Corrected temperature

45.7°

Air

62

Surface

62

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0.00

2-34-30 2-36-30

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.

Hy. 1975

Date

Sept 1/89.

Tanner

Machine. — Reel.

Turns 68 Cor. + 2

Depth 70

Shot or lead 25 lbs

Bottom G. &amp; S.

Bottom temperature 46

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.7°

Air 60 Surface 59 Drift.

Trawl or dredge or tangles

P.W. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-50-30	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.



No. *Hy. 1946* Date *Sept 1/89*

Banner Machine. — Reel.

Turns *68* Cor. + *2* Depth *70*Shot or lead *25 lbs.*Bottom *G.*Bottom temperature *46*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *45.7°*Air *60* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*P.W.**3-4-0 3-6-0**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. *Hy. 1947* Date *Sept 1/89*

anner Machine. — Reel.

Turns *65* Cor. + *2* Depth *67*Shot or lead *25 lbs.*Bottom *gn m r b*Bottom temperature *46*No. of Thermometer *5,451* Cor. *-0.3°*Corrected temperature *45.7°*Air *60* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*P.M.**3-17-0**3-19-0**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. *Hy. 1978* Date *Sept 1/89.**Osmer* Machine. — Reel.Turns *59* Cor. + *2* Depth *61*Shot or lead *25 lbs.*Bottom *Rky & brk Sh.*Bottom temperature *46*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *45.7°*Air *60* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*P. 111*  
*3-41-30 3-43-0*

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. *Bridge 3079*Date *Sept 1/89.**Tanner*

Machine. — Reel.

Turns *53* Cor. + *2*Depth *55*Shot or lead *25 lbs.*Bottom *Rky*Bottom temperature *47*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *46.7°*Air *60* Surface *59*Drift. *1 m N 1/2 E 1/2 W*~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*3-49-30**3-51-0**0**4-01-0 4.20.00**100**05-30 17.00**200**4.15-00**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**Lowered dory at 3.55, which returned at 5.24, having caught - mix.**Small collection boat left ship's side to fish at 4.05 - and returned at 5.20 having caught**3 yellow tail Brown Rock 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.

Crinoids - Starfish - Few serpent stars -  
Ophiurans.



No. 1979 Hydro. Date Sept. 1<sup>st</sup> 1889.

Tanner Machine. — Reel.

Turns 50 Cor. + 2 Depth 52 fms.

Shot or lead 25 lbs.

Bottom Co. Rky

Bottom temperature 47.5°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 47.2°

Air 60° Surface 59° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

4.19.45

21.00

0

20.05

4.20.15

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Haul line fishing with 8 lines over starboard side

Commenced at 4.20 - stopped at 4.55.

Catch { 13 Orange Rock Cod -  
5 Red Rock Cod -  
6 Brown Cod with  
yellow tail.Fished again on port side - at 5.10 stopping at  
5.25. Catch - 1 Red Rock Cod - 1 Dog Fish.

Drift while fishing 1 mile S.E. x S.

	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.

607  
*CPD*

*Dredge*

No.

*3080*

Date

*Sept-1/89*

*Tanner*

Machine. — Reel.

Turns *90*

Cor. + *3*

Depth

*93*

Shot or lead

*25 lbs.*

Bottom

*gn m.*

Bottom temperature

*45.2*

No. of Thermometer

*51451*

Cor. - *0.3°*

Corrected temperature

*45.6°*

Air

*64*

Surface

*60*

Drift. *1 1/2 m. 1/2 1/4*

Trawl or dredge or tangles

*Large Beam*

SOUNDING WIRE.

*P.W.*

DOWN.

UP.

*6-45-0*

*6-47-0*

TURNS.

*P.W.* DREDGE ROPE.

DOWN.

UP.

*6-47-30*

*38-0*

100

*52-30*

*34-0*

200

*57-0*

*17-29-30*

*20*  
~~300~~

*59-30*

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.

100 Flounders - 4 species. 1 Black Cod -  
 3 species Rock Fish - Many specimens.  
 1 Cultus Cod. Several other small species.  
Many specimens - Many large Holothurians.  
Numerous other invertebrates.

507  
H.C. 2

No. 3081 Dredge Date Sept. 1<sup>st</sup> 1889.

Tanner Machine. — Reel.

Turns 59 Cor. + 2 Depth 61 fms.

Shot or lead 25 lbs.

Bottom gn. M. & S.

Bottom temperature 46.1°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.8°

Air 60° Surface 58° Drift 1/4' N.E. 1/2' N.

Trawl or dredge or tangles Large beam

P.M. SOUNDING WIRE.		TURNS.	P.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.51-10	52.25	0	8.55.00	38.30
51.40	8.51.50	100	58.30	34.00
		200	9.04.00	9.29.05
		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  
 6 species *Stoudees* Plentiful, about 200.  
 2 Black Cod. 4 other species fishes.  
 Crabs - Large *Holothurians* - Numerous.  
 Prawns - Star fish - Shells. Sea Urchins.  
 Sea Anemones. Penatulas.

507  
J.H.

Sledge

No. 3082

Date

Sept 24/89

Tanner

Machine. — Reel.

Turns 41 Cor. + 2 Depth 43

Shot or lead 25 lbs

Bottom fine gy S

Bottom temperature 46.5

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 46.2°

Air 59 Surface 57 Drift. 3/4 mi N. N. W.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.	UP.		DOWN.	UP.
4 m				
5-22-0	5-23-15	0	5-26-30	50-30
		100	34-30	5-46-0
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

At 5.54 put over 8 Hand line  
Canght = nothing  
Hauled in line at 6.05-

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				

3 Species Hound REMARKS.



Dredge.

No.

3083

Date

Sept 2/89

Cannon

Machine. — Reel.

Turns 31

Cor. + 1

Depth 32

Shot or lead 25 lbs.

Bottom fine gy S. bk. sf.

Bottom temperature 48.1

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 47.8°

Air 57 Surface 56 Drift. 7.10 m N x 21

Trawl or dredge or tangles Large Beam 3/4 or

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

7-2-0

7-3-0

0

7-6-0

29-0

40

10-0

17-26-0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

At 7.53 fath- over 11 fath and lines  
 Caught = 9 Red Rock Cord  
 2 dogfish

Long, or Murchison.

Hauled in lines at 7.55-

	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				

*Flounders* - 7 REMARKS. *species*.

No. 1980 Hydro. Date Sept. 2<sup>nd</sup> 1889.

Hand used Machine. — Reel.

Turns — Cor. + — Depth 18 fms.

Shot or lead 14 lbs.

Bottom fine-gy. S.

Bottom temperature none taken.

No. of Thermometer — Cor. —

Corrected temperature —

Air 56° Surface 56° Drift. —

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

8.16.00

8.18.00

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

At 8.20 commenced haul line fishing over port side, 11 lines over, and stopped at 9.20, having drifted S. 1/2 E. (Mag.) to 13 1/2 fms.

fine-gy. sand bottom.

Catch - 52 Black Rock 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.

507.  
H.C.S.

No. 1981 Hydro. Date Sept. 2<sup>d</sup> 1889.

Tanner Machine. — Reel.

Turns 75 Cor. + 1 Depth 24 fms.

Shot or lead 20 lbs.

Bottom y. S.

Bottom temperature 49.1°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 48.8°

Air 58° Surface 57° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
A.M. 9.40.40	41.40	0		
40.50	9.41.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Start haul dicking 10 lines over port side - commenced at 9.40 - stopped at 10.10 -

Catch - 8 Orange Rock Cod. - 5 Black Rock Cod.

Scribble Row Buoy bore E.N.E. 1/2 E. (Magg)

distant one mile.

	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.

*Sledge*  
 No. *3084* Date *Sept. 2<sup>d</sup> 1889.*  
*Tanner* Machine. — Reel.

Turns *44* Cor. + *2* Depth *46*

Shot or lead *25 lbs.*

Bottom *fine gy. s. bk. sh.*

Bottom temperature *47.2*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *46.9°*

Air *59* Surface *58* Drift. *1 1/2' N.E. (long)*

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>P.M.</i>	<i>12-13-0</i>	<i>12-14-0</i>	<i>0</i>	<i>12-17-0</i>	<i>45-30</i>
			<i>100</i>	<i>22-0</i>	
			<i>150</i>		
			<i>200</i>	<i>28-00</i>	<i>12-41-0</i>
			<i>300</i>		
			<i>400</i>		
			<i>500</i>		
			<i>600</i>		
			<i>700</i>		
			<i>800</i>		
			<i>900</i>		
			<i>1000</i>		
			<i>1100</i>		
			<i>1200</i>		
			<i>1300</i>		
			<i>1400</i>		
			<i>1500</i>		
			<i>1600</i>		
			<i>1700</i>		
			<i>1800</i>		
			<i>1900</i>		
			<i>2000</i>		
			<i>2100</i>		
			<i>2200</i>		
			<i>2300</i>		
			<i>2400</i>		

*At 12.00 put out 11 fms line  
 Oar gear = 10 Bk. Coef.  
 9 Ling.*

*Hauled in line at 1.35*

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.

300 *P. conradi*, 4 species  
mostly *Glyptocephalus*.  
1 *Octopus*. 2 small star fish.



No. 1982 Date Sept 2/89

Tanner Machine. — Reel.

Turns 30 Cor. + 1 Depth 31

Shot or lead 25 lbs

Bottom fine gy. S.

Bottom temperature 48

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 47.7°

Air 60 Surface 59 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

P.W. 2-25-30 2-26-30

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

At 2.27 put over 11 Hand Gills  
 Caught = 2 Bluntnose  
 24 Lingcod  
 14 Red Rock Lobster

Hauled in lines at 3.20.

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. *Ny 1983* Date *Sept. 2/89.*

Machine. — Reel.

Turns Cor. + Depth *19*Shot or lead *Hand 14 lbs.*Bottom *fine gy. s.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *62* Surface *57* Drift.

Trawl or dredge or tangles —

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*P. W. 3-45-0**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**at 3:45 Put over 11 hauled times  
Caught 3 Ling.  
3 Bl. Good  
2 Red "**Hauled in lines at 4:20 -**Cope Perpetua bore N. 1/2 E. (mag) dist. 2.1 -*

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.C.3.

No. 1984 Hydros. Date Sept. 2<sup>d</sup> 1889.

Hand lead. Machine. — Reel.

Turns — Cor. + — Depth 12 fms.

Shot or lead 14 lbs.

Bottom fine gy. S.

Bottom temperature none taken.

No. of Thermometer — Cor. —

Corrected temperature —

Air 62° Surface 56° Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M. 4.28.00 4.28.30

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 7 hand lines over starboard side at 4.25  
and took same in at 4.50 P.M.

Catch. — 3 Black Rock Cod.

Cape Carpenter bore N. 1/2 E. (Mag.) dist. 1.0 —

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. 2.

No. 1985 Hydro. Date Sept. 2<sup>d</sup> 1889.

Tanner Machine. — Reel.

Turns 30 Cor. + 1 Depth 31 fms.

Shot or lead 20 lbs.

Bottom Wh. S. bk. sp. Sh.

Bottom temperature 48.1°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 47.8°

Air 57° Surface 54° Drift.

Trawl or dredge or tangles

P.M.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.38.25

39.30

0

38.35

5.38.45

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Hand line fishing, 9 lines over port side  
commenced at 5.35. & stopped at 5.55

Catch - 1 Orange Rock Cod.

Cape Perpetua bore E.N.E. (Mag)

distant 4.0-

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.



Dredge

No.

3085

Date

Sept 2/89

Tanner Machine. — Reel.

Turns 40 Cor. + 2

Depth 42

Shot or lead 30 lbs.

Bottom fine gg. s. m.

Bottom temperature 46

No. of Thermometer 51457 Cor. - 0.3°

Corrected temperature 45.7°

Air 58 Surface 56 Drift. 1/2 m N 1/4

Trawl or dredge or tangles Large Beam 2

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

8-25-0 8-27-30

0

8-28-0 9-0-0

100

38-0 8-54-0

150

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Sigsbee Light for N.E. 1/4 (mag.)

	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.

One Flounder.  
 A few Prawns & Star fish.  
 Trawl was torn and nearly  
 empty except.

No. 3086 Dredge Date Sept. 3<sup>d</sup> 1889.

Tanner Machine. — Reel.

Turns 44 Cor. + 2 Depth 46 fms.

Shot or lead 20 lbs

Bottom fine gy. s. bk. Sp.

Bottom temperature 46.5°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 46.2°

Air 56° Surface 54° Drift. 1 $\frac{1}{4}$  N.E. 1 $\frac{1}{2}$  E.

Trawl or dredge or tangles large beams.

A.M. SOUNDING WIRE.		TURNS.	A.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.02.00	5.03.00	0	5.03.30	42.00
		100	5.14.15	5.36.45
		50		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Machina Light bore 16. (mag) dist. 10.5.

	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 species Flounders - shells -  
 2 Squid. (small) - 1 other fish.

No. 1986

Hydro. Date Sept. 3<sup>d</sup> 1889.

Tanner Machine. — Reel.

Turns 42 Cor. + 2 Depth 44 fms.

~~Shot or lead~~ 20 lbs.

Bottom gy. s.

Bottom temperature 47.8°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 47.5°

Air 56° Surface 54° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A.M.

5. 43 . 50

45.10

0

44. 00

5. 44. 20

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

blast line fishing over port side, 8 miles,  
 commenced at 5.45 - stopping at 6.13 -  
 Catch - 37 Black Cod.

Yaquina Light House bore N. E. 1/8 N. (mag)  
 distant 9 1/2 miles.

	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.C. 3

No. 1987 Hydro. Date Sept. 3<sup>d</sup> 1889.

Tanner Machine. Reel.

Turns 41 Cor. + 2 Depth 43 fms.

Shot or lead 20 lbs.

Bottom fine gy. S. & gn. M.

Bottom temperature 46.5

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 46.2°

Air 55° Surface 55° Drift.

Trawl or dredge or tangles

A.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6. 41. 20	43. 50	0		
41 43	6.42. 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		

9 haul lines over port side at 6.45  
called in at 6.55-

Catch - 3 Orange Rock Cod-

1 Black Cod-

1 Dog Fish.

St. J. C. F. S. (May.)

Ugumina Light House Cove  
Distant 1 1/2 miles

	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.



K.C. 307

No. 1988 Hydro. Date Sept. 3<sup>d</sup> 1889.

Tanner Machine. — Reel.

Turns 31 Cor. + 1. Depth 32 fms.

Shot or lead 20 lbs.

Bottom bk. S.

Bottom temperature 47.0°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 46.7°

Air 56° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A.M.

7.23.00

24.05

0

23.15

7.23.25

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

7 Hand lines over port side at 7.25.

Hauled in at 7.55.

Catch - 45 Orange Rock Cod.

2 Ring or Marlucio.

2 Black Cod.

1 Blue dog shark.

Magnuma Light House for N. x E. (mag)

Distant 8 1/2 miles -

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. *Ny. 1989* Date *Sept 3/89**Tanner* Machine. — Reel.Turns *43* Cor. + *2* Depth *45*Shot or lead *20 lbs*Bottom *gy P*Bottom temperature *46.8*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *46.5°*Air *56* Surface *56* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*A.W.*  
*9-31-0**9-33-0*

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.


 1307

No. *Hy. 1990* Date *Sept. 3/89*

Tanner Machine. — Reel.

Turns *42* Cor. + *2* Depth *44*

Shot or lead *20 lbs.*

Bottom *G.*

Bottom temperature *46.8*

No. of Thermometer *51151* Cor. *-0.3°*

Corrected temperature *46.5°*

Air *56* Surface *56* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

*9-50-30*

*9-51-30*

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

*at 10.00 put over side 11 Hand Lines*  
*Catch 3 Red Rk Cord*  
*1 1/2 lb. mackerel.*

*Hauled in lines at 10.25.*

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. *Hy. 1991* Date *Sept. 3/89**Tanner* Machine. — Reel.Turns *46* Cor. + *2* Depth *48*Shot or lead *20 lbs*Bottom *C*Bottom temperature *46.6*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *46.3°*Air *56* Surface *56* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*10-40-30* *10-41-30*

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. *3084* Date *Sept. 3/09*  
*Journal* Machine. — Reel.  
 Turns *44* Cor. + *2* Depth *46*  
 Shot or lead *20 lbs*  
 Bottom *G + P. mly*  
 Bottom temperature *46.5*  
 No. of Thermometer *51451* Cor. *-0.3°*  
 Corrected temperature *45.9°*  
 Air *56* Surface *56* Drift. *on 4/2/4*  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-2-30</i>	<i>11-4-0</i>	0	<i>11-4-30</i>	<i>19-30</i>
		70	<i>10-0</i>	<i>11-16-0</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.

*30 Star fish 6 species*

Dredge.

No.

3088.

Date

Sept. 3/89.

Gunner

Machine. — Reel.

Turns 114. Cor. + 2. Depth 116.

Shot or lead 20 lbs.

Bottom G. F.

Bottom temperature 46.6

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 46.3°

Air 56. Surface 56. Drift 1 m 4 E 1/4 W

Trawl or dredge or tangles Small Beam.

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

0

11-22-0 1 44-0

70

20-0 11-40-0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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.

Brachapoda Shells - Starfish -  
 Ascidians - Bucket plate fish  
 small Holothurians -

Trawl torn badly

No. Hy. 1992 Date Sept 3/89.

Tanner Machine. — Reel.

Turns 41 Cor. + 2 Depth 43

Shot or lead 20 lbs.

Bottom Rky.

Bottom temperature 47.5

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 47.2°

Air 59 Surface 56 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

11-54-45 11-56-0

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

At 11-54 just over 11 fms and 6 fms.  
 Caught 6 Orange Rock Cod.  
 Hauled in hives at 12.25.

	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  
No. 3.

No. 1993 Hydro. Date Sept. 3<sup>d</sup> 1889.

Tanner Machine. — Reel.

Turns 28 Cor. + 1. Depth 29 fms.

Shot or lead 25 lbs.

Bottom fine gy. s. br. sp.

Bottom temperature 48.5°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 48.2°

Air 57° Surface 56° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

41.40.25

41.30

0

41.38

41.40.45

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Catch - 2 Orange Rock Cod.

1 Black Cod.

1 Ring.

Yaguana Light House bore N.E. (mag.) dist. 2.5.

9 Hand lines over port side at 4.40 -  
hauled in at 5.16

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. 1994

No. 1994 Hydro. Date Sept. 3<sup>d</sup> 1889.

Tanner Machine. — Reel.

Turns 27 Cor. + 1 Depth 28 fms.

Shot or lead 20 lbs.

Bottom fine gy. s. bk. sp.

Bottom temperature 47.2°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 46.9°

Air 55° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.47.52	49.00	0		
48.10	4.48.25	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 fms. line over port side at 5.45.  
hauled in at 5.15.

Catch - 1 Orange Rock Cod

Jaquima light house bore E. 1/4 N. (mag)  
distance 2.8

	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. *Hy. 1995* Date *Sept. 7/89.*  
*Tanner.* Machine. — Reel.

Turns *44* Cor. + *2* Depth *46*

Shot or lead *20 lbs.*

Bottom

Bottom temperature *Inc. 94.35 R*  
*45.4*

No. of Thermometer *51451* Cor. - *0.3°*

Corrected temperature *45.1°*

Air *63* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-27-0</i>	<i>3-30-0</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. *1996* Date *Sept. 7/89.*

Machine. — Reel.

Turns *39* Cor. + *1* Depth *40*Shot or lead *20 lbs*Bottom *fine gy. S.*Bottom temperature *45.6*No. of Thermometer *51251* Cor. *-0.3°*Corrected temperature *45.3°*Air *60* Surface *56* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*Per 3-46-453-480**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**Off 3-149. put 12 Hand lines over side.**Caught = 1 Salmon.**Hauled him in at 4.15.**Falcon Rm. NE 7/8 E 19' -**Boat while fishing 1 mile S 1/4 E -*

	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.C.S.

No. 1997 Hylers. Date Sept. 7<sup>th</sup> 1889.

Hand lead Machine. — Reel.

Turns — Cor. + — Depth 22 fms.

~~Shot or lead~~ 14 lbs.

Bottom fine gy. S.

Bottom temperature none taken.

No. of Thermometer — Cor. —

Corrected temperature —

Air 60° Surface 56° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

P.M.

4.35.00

4.35.30

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

At 4.35 put 12 hand lines over port side -  
x hauled same in at 4.50

Catch - 1 Orange Rock Cod.

Falcon Rx. NNW  $\frac{1}{2}$  W -  $1\frac{1}{4}$  -

Drift while fishing  $\frac{3}{10}$  mile S.S.E  $\frac{1}{2}$  E.

	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. *Hy. 1998* Date *Sept. 17/89.*

Machine. Reel.

Turns — Cor. + — Depth *15*Shot or lead *Hand.*Bottom *fine gy. S.*

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature —

Air *62* Surface *56* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*Recd 5-12-0*

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

*At 5-13 fath 11 Handline on ship's side.  
Caught 1 Orange Roof Cod.  
Lines hauled in at 5-25.**Falcon RH NW-3'-  
Drift while fishing 3/4 m. S.S.E. 1/2 E.*

	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.C. 7,  
No. 3089

Sledge

Date Sept. 7<sup>th</sup> 1889.

Sigsbee Machine. — Reel.

Turns — Cor. + — Depth 20 fms.

Shot or lead 14 lbs.

Bottom fine-gy. S.

Bottom temperature none taken.

No. of Thermometer — Cor. —

Corrected temperature —

Air 62 Surface 56 Drift. 1 1/4 m W.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.52.00	5.53.00	0	6-34-0	7-02-0
		75		
		100	40-0	6-59-30
		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 port side at 5.50.  
taken in at 6.20 -  
Catch. 11 Orange Rock Cod

2 Halibuts -  
Falcon Rx NW 1/2 W - 5 1/2'

	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.

12 Tom Codd - 3 Shrimps -  
 some young Filicorals. —  
 12 Medusa,

#2.2.

No. 3090 Dredge Date Sept. 7/1899.

Tanner Machine. — Reel.

Turns 60 Cor + 2 Depth 62 fms.

Shot or lead 20 lbs.

Bottom fine gy. S.

Bottom temperature 46.1°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 45.8°

Air 58° Surface 57° Drift. 1 1/2 m. W.S.W.

Trawl or dredge or tangles Large beam

P.M.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

P.M.

DREDGE ROPE.

DOWN.

UP.

8.18.20	20.20	0	8.22.00	9.01.15
18.50	8.19.10	100	25.15	59.00
		180	28.00	8.54.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Full moon Rx. Li. Ho. N 3/4 E - 15 1/2

	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 Rock Cod - 1 ~~Muraena~~ ~~xius~~ - 3 species  
Flounders - Few shrimps -

No. *3091* Date *Sept. 8/89.*  
*Tanner.* Machine. — Reel.  
 Turns *84* Cor. + *3* Depth *87*  
 Shot or lead *20 lbs.*  
 Bottom *gy. m.*  
 Bottom temperature *none taken*  
 No. of Thermometer *51451* Cor. —  
 Corrected temperature —  
 Air *54* Surface *56* Drift. *2 1/4 m. East.*  
 Trawl or dredge or tangles *large Beam.*

SOUNDING WIRE.		TURNS.	A.W. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-20-0</i>	<i>5-22-0</i>	0	<i>5-35-0</i>	<i>22-0</i>
		100	<i>42-0</i>	<i>19-0</i>
		200	<i>48-0</i>	<i>6-16-0</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Cape Mares C. x Sr. (mag) dis 15.6.*

*Cape Lookout ESE - 18 1/2'*

	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.

*Five Red Rock Cod. — 3 Species.*  
*100 Blounders — 4 "*  
*40 large Red Holothurians*  
*1 pack " Prawns*  
*3 or 4 species Small Fish*  
*1/2 dz. Squid —*



007  
 No. *3092* Date *Sept. 8/19*  
*Cammer* Machine. — Reel.  
 Turns *44* Cor. + *2* Depth *46*  
 Shot or lead *20 lbs.*  
 Bottom *H. S.*  
 Bottom temperature *46.2*  
 No. of Thermometer *51451* Cor. *-0.3°*  
 Corrected temperature *45.9°*  
 Air *54* Surface *56* Drift. *1 1/2 m E. S. E.*  
 Trawl or dredge or tangles *large beam.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-29-10</i>	<i>7-30-15</i>	0	<i>8-02-15</i>	<i>28.30</i>
		100	<i>09.30</i>	<i>25.50</i>
		<del>120</del>	<i>10.50</i>	<i>8.25.00</i>
		<del>200</del>		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*At 11.30 - 30 put over 11. Hand lines*  
*Caught = 1 Red Knot. Lost -*  
*Hauled in twice at 8.02.*  
*Cape Meares E 57 S - 4.24 -*

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 Species Flounders Identified.  
 3 other small fishes Crabs large.

No. 1999 Hydro. Date Sept. 8<sup>th</sup> 1889.  
 Tanner Machine. — Reel.

Turns 24 Cor. + 1 Depth 25 fms.

Shot or lead 20 lbs.

Bottom fine gy. S.

Bottom temperature 47.5°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 47.2°

Air 57° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.59.05	59.50	0	At 9.20 dory left ship for midshore fishing - and returned at 12.30. Catch - mix.	
59.15	8.59.25	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Hand line fishing, 10 miles over port side  
 commenced at 9.00 and stopped at 9.20.  
 Catch 14 Orange Rock Cod.

Cape Mearns E. S. E. 1/4 E (Mag) dist 2.2 miles.

	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.C. 1007*

No. 2000 Hydro. Date Sept. 8<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 17 Cor. + 1 Depth 18 fms.

Shot or lead 20 lbs.

Bottom gy. S. rd. Sp.

Bottom temperature 48.7°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 48.4°

Air 57° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*A.M.*

10.10.30

10.55

0

10.37

10.10.42

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

But 10 haul miss over port side at 10.10 - & hauled them in at 10.45.

Catch - 21 Red Rock Cod. 1 Orange Rock Cod.

1 Black Rock Cod - 3 Cutters Cod.

1 Yel. Striped Rock Cod.

Double Handed 7 lb 2X 2 1/2 (May) dist 2.002.

	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*

No. 2001 Hydro Date *Sept. 8<sup>th</sup> 1889.*  
*Tanner* Machine. — Reel.

Turns 17 Cor. + 1. Depth 18 fms.

Shot or lead 20 lbs.

Bottom *fine gy. S.*

Bottom temperature 48.8°

No. of Thermometer 51451. Cor. - 0.3°

Corrected temperature 48.5°

Air 57° Surface 51° Drift.

Trawl or dredge or tangles

*9.7*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

11. 26. 15  
 26. 25

27. 00  
 11. 26. 40

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

*7* Trawl hauled in at 11.40.  
 Trawl hauled in at 10.30.

*Catch - nil*

*Cape Mearns E.N.E. 1 mile.*

	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.



1700.9.  
507

No. 2002 Hydro. Date Sept. 8<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 15 Cor. + 1

Depth 16 fms.

Shot or lead 20 lbs.

Bottom fine gy. S.

Bottom temperature 48.5°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 48.2°

Air 57° Surface 53° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 51. 30	52. 10	0		
51. 40	11. 51. 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		

10 fath. lines over starboard side of  
11.50 - hauled in at 12.05  
Catch - 1 Orange Rock Cod.

Cape Mearns 211 E (mag) 2. miles

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. *Ny. 2003* Date *Sept. 8/89**Ommer* Machine. — Reel.Turns *20* Cor. + *1* Depth *21*Shot or lead *20 lbs*Bottom *Ryky*Bottom temperature *48.5*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *48.0°*Air *54* Surface *56* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*P.W. 12-20-0 12-21-0**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**30 miles**North (ray)**Cape Meares**At 12-22 put 8 Hand lines over ship's side  
& hauled lines in at 12-45.**Caught: 1 R.A. Red Cod.**1 Green " "**At 12-25 at my side to ship - caught 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.

No.

Hy 2004

Date

Sept. 8/89

Machine. — Reel.

Turns — Cor. + — Depth 18

Shot or lead Hand 14 lb.

Bottom fine gy s

Bottom temperature

No. of Thermometer

Cor. —

Corrected temperature

Air 54 Surface 58 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

P. W.	DOWN.	UP.	TURNS.	DREDGE ROPE.	
1-10-0			0		
			100		
			200		
			300		
			400		
			500	3'0 miles	
			600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300	5 x 2 5/8 E (mag)	
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

U-121 fath 9 Hand lines over side  
 Hauled in wires at 1.35.

Caught = 1 Blunder.

Very light ship with party to fish wire here at 1.25  
 returning at 1.30 -  
 Catch - wire.

Cape Lookout

	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.

Trawl or dredge or tangles *Large Beam*

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.

Hy. 2005

Date

Sept. 8/89.

Gannan

Machine. — Reel.

Turns

38

Cor. +

1

Depth

39

Shot or lead

20 lbs.

Bottom

fine gy S.

Bottom temperature

47

No. of Thermometer

51451

Cor. -0.3°

Corrected temperature

46.7°

Air

54

Surface

50

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

Poll  
3-37-0

3-38-0

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

At 3.45 put 9 fms over ship's side.

Caught 2 Orange Roof. Eels —  
1 Salmon

Hauled in lines at 4.08.

Cape Cod - at 5 1/2 E. Magnets 1 1/2 m

	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.

1107.  
6071

No. 2006 Hydro. Date Sept. 8<sup>th</sup> 1889.  
Tanner Machine. — Reel.

Turns 22 Cor. + 1. Depth 23 fms.

Shot or lead 20 lbs.

Bottom fine, bk. S.

Bottom temperature 47.5°

No. of Thermometer 51451. Cor. -0.3°

Corrected temperature 47.2°

Air 57° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.29.50	30.45	0		
30.05	4.30.15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 hauls over port side at 4.30  
 hauled in at 4.45  
 Catch - none.

leape Lookout N x W 1/2 W (mag) dis. 0.7 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.

507

No. *Hy 2007* Date *September 9/89*  
*Tanner* Machine. — Reel.

Turns *18* Cor. + *1* Depth *19*

Shot or lead *20 lbs.*

Bottom *fine g. s. & sh. sp.*

Bottom temperature *48*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *47.7°*

Air *51* Surface *48* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-4-0</i>	<i>7-5-0</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		

*At 7.06 foot 10 fms. from ship's side  
 & hauled them in at 7.13 -  
 Caught - nothing.*

*Cape Lookout N N W 5/8 W mag dis. 2.5 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.

No. *Hy. 2008* Date *Sept. 9/89*

Tanner Machine. — Reel.

Turns *26* Cor. + *1* Depth *27*

Shot or lead *20 lbs.*

Bottom *fine gy. S.*

Bottom temperature *48*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *47.7°*

Air *51* Surface *48* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*At 46-0 7-47-50*

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

*At 48 feet 10 fathoms over ship's side.  
x hauled them in at 7.55.  
Caught nothing.*

*Baystack Rock 6 1/2 N (mag) dis. one mile.*

	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. 2009 Hydro. Date Sept. 9<sup>th</sup> 1889.

Hand lead Machine. — Reel.

Turns — Cor. + — Depth 19 fms.

Shot or lead 14 lbs.

Bottom fine gy. S. yl. M.

Bottom temperature none taken.

No. of Thermometer — Cor. —

Corrected temperature —

Air 51° Surface 49° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.23.00

8.24.00

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

Wapped Rock North (mag) dis. 1.5 mi.

Catch - 1 orange Rock Cod.

9 hand lines cast over starboard side at 8.25.  
x hauled in at 8.30.

	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. 2010 Hydr. Date Sept 9<sup>th</sup> 1889.

Hand used Machine. — Reel.

Turns — Cor. + — Depth 15 fms.

Shot or lead 14 lbs.

Bottom fine sh. s.

Bottom temperature none taken.

No. of Thermometer — Cor. —

Corrected temperature —

Air 52° Surface 48° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

8.50.00

8.51.00

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 Hand lines put over starboard side at 8.50.  
 hauled in at 9.07

Catch — 1 Orange Rock Cod. 1 Black Rock Cod.

Mouth of Washington. F.v. East (Mag) dist. 1 m.

	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.

HC 2  
507

No. 2011 Hydro. Date Sept. 9<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 33 Cor. + 1 Depth 34 fms.

Shot or lead 20 lbs.

Bottom fine gy. S. bk. Sp.

Bottom temperature 46.1°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 45.8°

Air 57° Surface 48° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.30.45	31.45	0		
31.00	9.31.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 fathoms put over starboard side at 9.30  
hauled in at 9.50.

Catch - 8 Black Cod.

2 Orange Rock Cod.

Haystack Rock. N. N. E. 1/4 E. (Mag.) 3.9 miles.

	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. 2012 Hydro. Date Sept. 9<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 50 Cor. + 2 Depth 52 fms.

Shot or lead 20 lbs.

Bottom fine gy. S. bk. Sp.

Bottom temperature 46.2°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.9°

Air 52° Surface 48° Drift.

Trawl or dredge or tangles

# SOUNDING WIRE.

DOWN.

UP.

TURNS.

# DREDGE ROPE.

DOWN.

UP.

10. 18. 20

19. 20

0

18. 40

10. 15. 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

Hay Stack Rock bearing N. E. x S. (Mag.) 5.5 miles.

	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.



1509  
507

No. 2013 Hydro. Date Sept. 9<sup>th</sup> 1889.  
Tanner Machine. — Reel.

Turns 67 Cor. + 2 Depth 69 fms.

Shot or lead 20 lbs.

Bottom fine gy. S.

Bottom temperature 45.9°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.6°

Air 52° Surface 48° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.46.30	48.10	0		
47.05	10.47.15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	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. 2014 Hydro. Date Sept. 9<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 67 Cor. + 2 Depth 69 fms.

Shot or lead 20 lbs.

Bottom fine gy. S.

Bottom temperature 45.7°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.4°

Air 55° Surface 50° Drift.

Trawl or dredge or tangles

# SOUNDING WIRE.

DOWN.

UP.

## TURNS.

# DREDGE ROPE.

DOWN.

UP.

11.16.18

18.50

0

16.55

11.17.10

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.

11.53

No. 2015 Hydro. Date Sept. 9<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 47 Cor. + 2. Depth 49 fms.

Shot or lead 20 lbs.

Bottom crs. S.

Bottom temperature 46.2°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 45.9°

Air 55° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.44.05

45.30

0

44.33

11.44.40

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. *Hy. 2016* Date *Sept. 9/89.*

Ganner Machine. — Reel.

Turns *32* Cor. + *1* Depth *33*Shot or lead *20 lbs.*Bottom *fine gy. S.*Bottom temperature *46.5*No. of Thermometer *51451* Cor. *-0.30*Corrected temperature *46.20*Air *55* Surface *50* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*P.M. 12-4-0 12-05-0**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**At 12-06. put 9 fms and since not ship side.**Caught: 4 dog-fish  
2 black cod.**12 Orange Rod used  
Hauled in lines at 12.30 -  
Casowde head = 26 x 3 1/4 2 3/4 1/8 m*

	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. *Hy. 2017.* Date *Sept. 9/89.*  
Machine. — Reel.

Turns — Cor. + — Depth *15*

Shot or lead *14 lbs. 14 and*

Bottom *fine gy. S.*

Bottom temperature *none taken*

No. of Thermometer — Cor. —

Corrected temperature —

Air *55* Surface *50* Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P. 10. 12-52-0*

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

*At 12-53 put 11 fathoms over ship's side.  
Caught: 2 Orange Rock Crabs.  
Lined up at 1.15.*

*Haystack Rock - 6 1/10 miles -  
Obs. Dr. 1/8 Dr. 1/10*

	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. *Hy 2018.* Date *Sept. 9/09.*

Machine. — Reel. —

Turns — Cor. + — Depth *23*

Shot or lead *14 lbs. Lead.*

Bottom *fine. gg S.*

Bottom temperature *Spine Taken*

No. of Thermometer — Cor. —

Corrected temperature —

Air *55* Surface *50* Drift.

Trawl or dredge or tangles —

*P.W.*, SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*1-45-0*

*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*

*Mr 1-46 put 11 Hand lines over Ship side.  
Hauled in lines at 2:00 -  
Caught 12 Orange Rock Cod.*

*Basende Head Ch. 6 1/2 E. May 1/10/09*

	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. *Hy. 2019.* Date *Sept. 9/89.*

Tanner Machine. — Reel. —

Turns *49* Cor. + *2* Depth *51*

Shot or lead *20 lbs.*

Bottom *fine gy S.*  
Bottom temperature *46.3*

No. of Thermometer *51451* Cor. - *0.3*

Corrected temperature *46.0*

Air *52* Surface *48* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*P.W. 2-32-30 2-34-30*

*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*

*may 10 1/2 miles*

*Lay Stacey Reef N 3/4 E*

*Off 2-33 put 10 fath lines over ship's side,  
& hauled them in at 2,150-  
hauled 17 Bk Cord.*

	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. *Hy. 2020* Date *Sept. 9/19*  
*Tanner* Machine. — Reel.

Turns *65* Cor. + *2* Depth *68*

Shot or lead *20 lbs*

Bottom *fine gy. S.*

Bottom temperature *45.8*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *45.5°*

Air *52* Surface *48* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*P. W.*

*3-20-30*

*3-22-15*

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

*Hardestack Rock bore N.W.E. (may) dist. 12.1'-*

	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. *Hy. 2021* Date *Sept. 9/89.**Tanner* Machine. — Reel.Turns *69* Cor. + *2* Depth *71*Shot or lead *20 lbs*Bottom *fine gy S brk sh.*Bottom temperature *45.5*No. of Thermometer *51451* Cor. *-0.3"*Corrected temperature *45.2°*Air *54* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P.W. 3-45-30 3-47-30*

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. 2022 Hydro. Date Sept. 9<sup>th</sup> 1889.  
 Tanner Machine. — Reel.

Turns 50 Cor. + 2 Depth 52 fms.

Shot or lead 20 lbs.

Bottom bk. S.

Bottom temperature 46.5°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 46.2°

Air 55° Surface 50° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

9.70

4.21 .75

22.45

0

21 .50

4.22.00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10 hand lines put over port side at 4.25  
 hauled in at 4.35 -  
 Catoh. 1 Black Cod.

Cascade Head NNE 1/2 E (mag) 6.0 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.

No. *Hy. 2023*, Date *Sept. 9/89.*

Machine. Reel.

Turns — Cor. + — Depth *27*Shot or lead *14 lbs Hand*Bottom *fine gy S.*

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature

Air *55* Surface *50* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*5-01-0**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**Off 5-02 put 12 Hand lines over ship sides -  
& hauled them in at 5.15.**brought 4 Orange Rock clod.**5.6 mi,  
Cascade Head N  $\frac{3}{4}$  E (mag) dis.*

	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  
1797.

No. 2024 Hydro. Date Sept. 9<sup>th</sup> 1889.

Hand lead Machine. — Reel.

Turns — Cor. + — Depth 16 fms.

Shot or lead 14 lbs.

Bottom fine gy. S. bk. Sp. br. Sh.

Bottom temperature none taken.

No. of Thermometer — Cor. —

Corrected temperature —

Air 55° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.28.50

5.29.00

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

4.6 mi

N 1/2 W mag dis.

Cascade Head

10 hand line over port side at 5.30 -  
hauled in at 5.50 -

Catch - mix.

	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. *Hy 2025* Date *Sept. 9/89*

Tanner Machine. — Reel.

Turns *18* Cor. + *1* Depth *19*Shot or lead *Do sho.*Bottom *Rky & S.L.*Bottom temperature *48*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *47.7°*Air *55* Surface *49* Drift.

Trawl or dredge or tangles

## P.W. SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*6-16-30 6-17-30**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**Off 6-08 Put 8 Hand lines over ship's side  
& hauled in lines at 6:20.**Caught nothing.**Silly Bay S.E. x E mag. 2 1/4 m*

	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.

607  
H.03

No. 2026 Hydro Date Sept. 10<sup>th</sup> 1887

Tanner Machine. — Reel.

Turns 29 Cor. + 1 Depth 30 fms.

Shot or lead 20 lbs.

Bottom fine gy S.

Bottom temperature none taken

No. of Thermometer Cor. —

Corrected temperature

Air 49° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

9.30

5.35.25

35.50

0

35.15

5.35.25

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8 hauls taken: put over port side at 5.45  
hauled in at 6.00

Catch - 5 Orange Rock Cod.

Spec in Std. No. 4 (avg) 6.2 m.

	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.

170.3  
597

No. 2027 Hydro. Date Sept. 10<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 40 Cor. + 2 Depth 42 fms.

Shot or lead 20 lbs.

Bottom fine gy. S. + Sh.

Bottom temperature 46.3°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 46.0°

Air 49° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.33.45	35.00	0		
34.08	6.34.15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

7 haul lines put over starboard side at 6.35 hauled in at 6.50.

Catch - 3 Orange Rock Cod.

Heave hauled 717 1/2 fms. 2.8 - m.

	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.

1762

No. 2028 Hydro. Date Sept. 10<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 13 Cor. + 0 Depth 13 fms.

Shot or lead 20 lb.

Bottom fine gy. S.

Bottom temperature 47.4°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 47.1°

Air 49° Surface 51° Drift.

Trawl or dredge or tangles

Q. M. SOUNDING WIRE. DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8.03.00

03.30

0

03.10

8.03.20

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10 haul lines over port side at 8.05.  
hauled in at 8.15.  
Catch - mix.

Spilltown River S. & E. way 3 1/2 m

	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.



907  
*[Signature]*

No. *Hy. 2029* Date *Sept 10. 189.*  
*Tanner* Machine. — Reel.

Turns *35* Cor. + *1* Depth *36*

Shot or lead *20 lbs.*

Bottom *fine. gy. S.*

Bottom temperature *47*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *46.7°*

Air *50* Surface *49* Drift.

Trawl or dredge or tangles

*Hy.* SOUNDING WIRE. DREDGE ROPE.

DOWN. UP. TURNS. DOWN. UP.

*9-0-30 9-1-30*

*At 9.03 put 10 fms line over ship's side -  
 1 Red Rope Cord  
 Caught -*

*Swiss in at 9.13 -*

*Spilled over River N. E.  $\frac{3}{4}$  N. along.  $4\frac{1}{2}$  m*

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. *Ny 2030* Date *Sept. 10/89*

Machine. Reel.

Turns — Cor. + — Depth *13*Shot or lead *14 lb. Hand*Bottom *fine gy. S.*Bottom temperature *None taken*

No. of Thermometer — Cor. —

Corrected temperature

Air *52* Surface *49* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*at 100  
9-16-0*

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

*off 9.47 put 8 fmsd lines over ship's side  
lines in at 9.55.  
caught = speaking*

*Amphipod River S. 2 1/2 E. deep 6 m*

	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. *Hy. 2031* Date *Sept. 10/89.*

Machine. Reel.

Turns — Cor. + — Depth *28*Shot or lead *14 lb. Hand*Bottom *fine gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *52* Surface *49* Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10-45-0</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		

*Oct. 10-46 fath-11 Hand Lines over ship's side -  
27 Orange Box Cord.*

*Caught =*

*Lines in at 11.15-*

*Wm. J. W. R. B. & Co. 1/10 m.*

	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. *Hy. 2032* Date *Sept 10/89.*

Machine. Reel.

Turns — Cor. + — Depth *28*Shot or lead *14 lbs. Hand.*Bottom *fine gy. S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *57* Surface *50* Drift.

Trawl or dredge or tangles —

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*11-30-0**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**At 11.31 put 11 fms. line over ship's side.**Line in at 11.43 -**Length = 1 Orange Book Corp.**Wm. H. R. River Bury. E. & W. H. 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.



1163

No. 2033 Hydro. Date Sept. 10<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 51 Cor. + 2. Depth 53 fms.

Shot or lead 20 lbs.

Bottom fine gy S.

Bottom temperature 46.2°

No. of Thermometer 51451 Cor. 0.3°

Corrected temperature 45.9°

Air 52° Surface 51° Drift.

Trawl or dredge or tangles

P.M. 10 haul lines put over starboard side at 12.15 - & hauled in at 12.30.

Catch. 1 Black Rock Cod.  
3 Orange Rock Cod.

Continued to Monogah River N.E. of Mon. 4.5.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.14.50

16.20

0

15.20

12.15.30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

### SERIAL TEMPERATURE.

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

### REMARKS.

No. 2034

No. 2034 Hydros. Date Sept. 10<sup>th</sup> 1889.  
 Tanner Machine. — Reel.

Turns 38 Cor. + 2. Depth 40 fms.

Shot or lead 20 lbs.

Bottom fine g. s.

Bottom temperature 47.0°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 46.7°

Air 53° Surface 49.0 Drift.

Trawl or dredge or tangles

11 haul lines put over starboard side at 12.55.  
 hauled in at 1.20.

Catch - 22 Orange Rock Cod.

14.5' 5 3/8 (mag) Lt. Ho. 5 3/8 (mag) 14.5'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.57.25	59.35	0		
57.40	12.57.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

REMARKS.

*H. 507.3.*

No. 2035 Hydro. Date *Sept. 10<sup>th</sup> 1889.*  
*Hand lead* Machine. — Reel.

Turns — Cor. + — Depth *11 fms.*

Shot or lead *14 lbs.*

Bottom *fine gy. S.*

Bottom temperature *none taken*

No. of Thermometer — Cor. —

Corrected temperature —

Air *53°* Surface *49°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.46.00</i>	<i>1.47.30</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*10 hand line over starboard side at 1.45.  
 hauled in at 1.50.  
 Catch. none.*

*Cape Gregory St. Geo. South (mag) 12.0'*

	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  
17.0.3.

No. 2036 Hydro Date Sept. 10<sup>th</sup> 1889.  
Tanner Machine. — Reel.

Turns 22 Cor. + 1.00 Depth 23 fms.

Shot or lead 20 lbs.

Bottom fm. gy. S.

Bottom temperature 48.5°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 48.2°

Air 52° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

PM

2. 29 .10

30. 10

0

29 .25

2. 29.35

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9 lines over starboard side at 2.30. & hauled in at 2.40.

Catch - mix.

Capt. Gregory Lt. Vev. South (mag) 8.0'

	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. 2037 Hydro. Date Sept. 10<sup>th</sup> 1889.

Hand lead Machine. — Reel.

Turns — Cor. + — Depth 17 fms.

Shot or lead 14 lbs.

Bottom fm. gy. S.

Bottom temperature none taken.

No. of Thermometer — Cor. —

Corrected temperature —

Air 54° Surface 52° Drift.

Trawl or dredge or tangles

P.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.13.10	3.15.00	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 hand lines run starboard side at 3.15 -  
 hauled in at 3.25.  
 Catch - nil.

Cape Gregory St. No 5 x 5 1/4 S (wry) 3.5 -

	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. 2038 Hydros. Date Sept. 10<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 27 Cor. + 1 Depth 28 fms.

Shot or lead 20 lbs.

Bottom fine gy. S.

Bottom temperature 49.0°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 48.7°

Air 54° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.49.10

50.10

0

49.25

3.49.35

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

3.1' 18 (mag) Lt. Ho. Gregory

8 Hand lines over starboard side at 3.50—  
hauled in at 4.00  
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.

No.

Hy. 2039.

Date

Sept. 10/89.

Tanner.

Machine. — Reel.

Turns 26 Cor. + 1 Depth 27

Shot or lead 20 lbs.

Bottom fine. gy. S.

Bottom temperature 48.

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 47.7°

Air 55 Surface 52 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

4-28-0

4-29-0

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

Off. 4.30 put 8 fath lines over ship's side.  
 Luis in at 4.50.

Cong. Lt. = nothing

Deep buoying 7 3/4 E buoy / dist 0 miles.

	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.

4557

No. *Hk. 2040.* Date *Sept. 10/89.*  
*Tanner* Machine. — Reel.

Turns *24* Cor. + *1* Depth *25 fms.*

Shot or lead *20 lbs.*

Bottom *Rky. & Co.*

Bottom temperature *46.4°*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *46.1°*

Air *55°* Surface *52°* Drift.

Trawl or dredge or tangles

P.W. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.31.35</i>	<i>33.00</i>	0		
<i>32.00</i>	<i>5.32.15</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		

*8 hand lines put over starboard side at 5.30 hauled in at 5.40.*

*Catch - mix.*

*Buoy off Aquilla Twp. E 1/4 Monong. Sec. 1 1/2 100.*

	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.



HC.S.  
507

No. 2041 Hydro. Date Sept. 10<sup>th</sup> 1889.  
Tanner Machine. — Reel.

Turns 62 Cor. + 2 Depth 64 fms.

Shot or lead 20 lbs.

Bottom P.

Bottom temperature 46.1°

No. of Thermometer 51451 Cor. -0.3°

Corrected temperature 45.8°

Air 57° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P. 7A 6.44.00	45.50	0		
44.30	6.44.45	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Cape Gregory St. No. Cor. N. x E. 1/2 E. (Mag)

distant 14.0 -

	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.

~~Not.~~

No. 2042 Hydro. Date Sept. 10<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 130 Cor. + 4 Depth 134 fms.

Shot or lead 20 lbs.

Bottom fm. gy. S.

Bottom temperature 45.0°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 44.7°

Air 55° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7 40.50	44.30	0		
42.00	43.20	100		
42.30	7 42.40	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Cape Oxford Light bore S. E. 1/4 S. (Mag.)

	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.

997

No. *Hy 2043* Date *Sept. 10/89,*

*Yanmar* Machine. Reel.

Turns *160* Cor. + *5* Depth *165*

Shot or lead *50 lbs.*

Bottom *bk. S.*

Bottom temperature *45*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *44.7°*

Air *54* Surface *52* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8-38-0</i>	<i>8-45-0</i>	0		
<i>40-0</i>	<i>43-0</i>	100		
<i>41-0</i>	<i>8-41-30</i>	<i>60</i> 200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Cape Orford Light bore S.E. 1/2 E. (Mag)*

*distant. —*

	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. *Hy. 2044* Date *Sept. 10/89.*

*Tanner* Machine. Reel.

Turns *228* Cor. + *6* Depth *234*

Shot or lead *20 lbs.*

Bottom *bk. S.*

Bottom temperature

*42.5*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *42.2°*

Air *54* Surface *54* Drift.

Trawl or dredge or tangles

# SOUNDING WIRE.

DOWN.

UP.

TURNS.

# DREDGE ROPE.

DOWN.

UP.

*10-16-0*

*10-25-0*

0

*18-0*

*23-30*

100

*19-15*

*22-30*

200

*20-0*

*10:20-30*

28

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.



*1102*

No. 2045 Hydro. Date Sept 11<sup>th</sup> 1889.

Sigsbee Machine. 2 Reel.

Turns 351 Cor. + 33 - Depth 384 fms.

Shot or lead 35 lbs.

Bottom gn. M.

Bottom temperature 40.2°

No. of Thermometer 51451 Cor. - 0.1°

Corrected temperature 40.1°

Air 56° Surface 57° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.37-20	55.45	0		
39.05	52.30	100		
41.00	50.05	200		
42.50	48.25	300		
43.55	12.47.30	400		
<p><i>At 11.56, made an unexpected attempt to get bottom with Tanner machine, but failed to do so in 391 fms. &amp; then reeled in getting lead &amp; thermometer on deck at 12.25.9 M.</i></p>		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.C. 2.*

No. 2046 Hydr. Date Sept. 11<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 112 Cor. + 4. Depth 116 fms.

Shot or lead 20 lbs

Bottom gn. M.

Bottom temperature 45.2°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 44.9°

Air 56° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.54.50	58.25	0		
56.00	57.00	100		
56.20	2.56.35	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Cape Gregory Light N.E. x E. 3/4 E. 1/4 Sec. 36 Twp. 36 N. R. 12 E.

	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.

*1889*

No. 2047 Hydro. Date Sept. 11<sup>th</sup> 1889.

Tanner Machine. — Reel.

Turns 62 Cor. + 2 Depth 64 fms.

Shot or lead 20 lbs.

Bottom C.

Bottom temperature 46.3°

No. of Thermometer 51451 Cor. - 0.3°

Corrected temperature 46.0°

Air 55° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.54.30	56.00	0		
55.05	3.55.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Cape Gregory Light N.E. 1/2 E. (mag)*

	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. *Hy. 2048* Date *Sept. 11/09*  
*Tanner* Machine. — Reel.

Turns *44* Cor. + *2* Depth *46*

Shot or lead *20 lbs.*

Bottom *fine g. s.*

Bottom temperature *46.1*

No. of Thermometer *51451* Cor. *-0.3°*

Corrected temperature *45.8°*

Air *51* Surface *51* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-17-30</i>	<i>6-14-0</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		

*Cape Gregory Light House bore E. 3/8 S. (mag)*  
*distant 4.2.*

	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. *Hy. 2049* Date *Sept. 11/89.**Tanner* Machine. — Reel.Turns *66* Cor. + *2* Depth *68*Shot or lead *20 lb*Bottom *Co.*Bottom temperature *46*No. of Thermometer *51451* Cor. *-0.3°*Corrected temperature *45.7°*Air *51* Surface *51* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*Am**7-11-0**7-14-0*

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.