9570 to 9614

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 9570 to 9614

615

DEPARTMENT OF COMMERCE

BUREAU OF FISHERIES

RECORD OF DREDGINGS

VI = Vertical Instrument

T = One foot ☆ 2 net

Stations,

#2	42-12	70-23-30
3	42 09 30	70 19 30
4	42 05 30	70 17 00
5	42 00 45	70 11 50
6	41 55 30	70 09 30
7	41 49 30	70 11 15
8		
9	41-53 15	70-27-00
10	41 58 00	70-30-15
11	41 59 30	70-31-30
12	42 01 15	70-33-00
13	42 03	70-34.30
14	42 05	70.35.00
15	42-09-30	70-38-15
16	42 14 00	70-41-00
17	42 18 15	70-44.00
18	42 15 30	70.32-30
19	42.22	70.38
11A	42 00	70 32 15
13A	42-02-30	70 34
6A	41 56	70 18 30
~~18A~~	~~42 16 54~~	~~70 30-30~~

Fish Hawk Cruises

IV —

The calculations of Densitites and Salinity are based on the tables of Tanner and Knudsen.

σ_0 = Density at zero

σ_{ts} = Density at temp. in situ but without compression.

n = coefficient of compression.

Δ = Density in situ

CL = Chlorine content. ‰

S = Salinity ‰

7H 9570

615

Station No. 04.13 Date: Dec 23 1924

Hour: 7.40 A.M. to 8.10 A.M.

Position: Lat. 42 03 Long. 70 34 30

Locality: Off High Pine Ledge

Depth: 26 m Bottom: Sample:

Wind: Direction, WNW Force, 1-2

Sea: Smooth Sky: BCy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	2.5	2.5	0	2.5		
13 m	#6	4.5	2.9	+.04	4.54		
25 m	#2	4.5	2.9	+.02	4.52		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
✓	2/m			
T1		750	810	
T2		750	810	

11—5314

NOTES

7A 9571 Fish Hawk

615

Station No. 0414 Date: Dec 23 191

Hour: 8.23 A.M. to 8 50 A.M.

Position: Lat. 42° 05- Long. 70 35

Locality: Off Farnham Rock

Depth: 17 m Bottom: Sample:

Wind: Direction, W Force, 1-2

Sea: Smooth Sky: Bcz 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	M2	4.5	3.5	+.03	4.53		
8	M6	2.5	4.	+.06	2.56		
14	M2	3.9	4.5	0	3.9		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1	12m			
T1		830	850	
T2		800	850	

11—5314

NOTES

615 FH 9572

Station No. 04,15 Date: Dec 23 1924

Hour: 920 A. M. to . M. 9,50 Am

Position: Lat. 42-09-20 Long. 70, 38, 15

Locality: Off Hamock

Depth: 25 m Bottom: Sample:

Wind: Direction, W Force, 1

Sea: Smooth Sky: Bcy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0 m	#2	3.5	2.5	+.03	0.53		
12 m	#6	4.5	4.0	+.04	4.59		
24 m	2	3.0	2.5	+.01	0.01		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: #2 Thermometer not working.

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1m	20m			
		930	950	
T1				
T2		930	950	

11—5314

NOTES

315 JH 9573

Station No. 0416 Date: Dec 22 1924

Hour: 10 24 A. M. to 11 02 P. M.

Position: Lat. 42-14 Long. 70-41

Locality: Cedar Pt

Depth: 27m Bottom: Sample:

Wind: Direction, SW Force, 1-2

Sea: Smooth Sky: BCy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#6	4.5	2.	-.01	4.49		
12	#6	4.5	3.9	+.04	4.54		
25	#6	4.5	3.9	-.03	4.47		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1	22m	5		
T1		1035	1035	
T2		1035	1035	

11—5314

NOTES

615 95747H

Station No. 05.19 Date: Jan 6 1925

Hour: 8 37 A.M. to . M. 9.20

Position: Lat. 42-22 Long. 70 38

Locality:

Depth: 60 m Bottom: Sample:

Wind: Direction, NE Force, 2

Sea: Smooth Sky: 6 Cz 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	3.95	4.0	0	3.95		
29	#6	3.95	4.5	+.02	3.97		
58	#2	4.10	4.0	+01	4.11		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

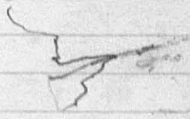
Description	Depth	TIME Down	TIME Up	Speed
V 1 m #2 net	55 m	8:40	843	
TB 1/2 M #2 net	30 fath	9 Am	920 Am	
T 1 ft #2	0	9 Am	"	
T 2 A #2 net	0	9 Am	"	

11—5314

NOTES

New station #19 made Today

V 1/2 m T One young fish note about 3 mm.



Serval Borein

No eggs noted.

#9575

615

Station No. 05,18 Date: Jan 6 1925

Hour: 10,40 A.M. to 11.05 A.M.

Position: Lat. 42-15-30 Long. 70-32-30

Locality:

Depth: 65m Bottom: Sample:

Wind: Direction, E Force, 2

Sea: Smooth Sky: Oc 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	3.55	3.5	+.01	3.51		
32	#6	3.55	4.0	+.02	3.57		
63	#2	4.35	4.0	+.01	4.36		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1m	60m	10.25	10.27	
TB 1/2m # 2 net	30 fath	1040	11 AM	[illegible]
T1	0			
T2	0			

11—5314

NOTES

T1 Net Had a couple of eggs which look like cod.

V1/2 T. Had a few threads and a piece of worm tube. Net must have dragged bottom due to speed of ship.

7HC9576

615

Station No. 05-02 Date: Jan 6 1925

Hour: 11 35 A.M. to 12.45 P.M. ~~12.45~~

Position: Lat. 42-12- Long. 70-23-30

Locality:

Depth: 66m Bottom: Sample:

Wind: Direction NE Force, 2

Sea: Smooth Sky: Clear 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.05	40	0	4.05		
32	#6	4.05	4.5	+.02	4.07		
64	#2	4.15	4.5	0	4.15		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

55

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V 1m # 2	40 m	12,30		
TB ½ m # 2	30 Fath	1155	1215	55°
T1 1 ft # 2	0			
T2 1 ft # 2	0			

11—5314

NOTES

Eggs noticed in T1 net

7H 95 77

615

Station No. 05.04 Date: Jan 6 1925

Hour: 1 50 P. M. to 2 30 P. M.

Position: Lat. 42-06 Long. 70-17

Locality: Off Race Pt. Cape Cod

Depth: 60 m Bottom: Sample:

Wind: Direction, NE Force, 3

Sea: Ground Sky: Cy 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	3.65	3.5	+01	3.66		
29	#6	3.85	4.5	+.02	3.87		
58	#2	4.05	4.0	+01	4.06		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V, 1 m	55 m	150	152	
TB ½ m #2 net	17 fathom	210	230	70° 55 [illegible]
T 1 1ft #2	0	210	230	
T 2 1ft #2	0	210	230	

11—5314

NOTES

Several fish 5-6 mm approx, notice

7493 78

615

Station No. 8505 Date: Jan 6 191 25

Hour: 325 P. M. to 355 P. M.

Position: Lat. 42-01 Long. 70-12

Locality: Off Wood End Cape Cod

Depth: 40 Bottom: Sample:

Wind: Direction, NE Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	280	3.0	0	2.80		
19	#6	285	45	-.00	2.85		
39	#2	280	3.0	0	2.80		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V 1m	35	3.30	335	
TB 1/2m	21 Feet	3.35	355	95-56
T1 #2 net	0			165
T2 1st #2 net	0			

11—5314

NOTES

7H 9579

615

Station No. 05.06 Date: Jan 6 1925

Hour: 4.53 P.M. to 5.35 P.M.

Position: Lat. 41-35-30 Long. 70-09-30

Locality: off Wellfleet

Depth: 26 m Bottom: Sample:

Wind: Direction, NE Force, 2-3

Sea: Smooth Sky: Bcz 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	~~2.45~~	2.5	0	2.45		
12	#6	2.45	3.0	+.03	2.48		
24	#2	2.70	2.5	+.01	2.71		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1m	21	4.55		
TB1/2m	12 Fath	515	575	125-50
T1 1H x 2	0			
T2 1H y 2	0			

11—5314

NOTES

615 95807H

Station No. 0507 Date: Jan 6 1925 191

Hour: 6-20 P.M. to 7P .M.

Position: Lat. 41-49-30 Long. 70-11-15

Locality: End Billingsgate Shoal

Depth: 15m Bottom: Sample:

Wind: Direction, NE Force, 3-4

Sea: Ground Sky: Clear 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	0.3	.2	0	0.3		
6	#6	0.35	.2	+.04	0.39		
13	#2	0.25	.5	0	.25		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Vm	10m			
TB ½m #2	10F	640	7 Pm	45-30
T1 1/4 #2				
T2 1/4 #2				

11—5314

NOTES

T1 many diatoms

Touch Bottom with # T½m

615 958174

Station No. 05,09 Date: Jan 7 191 23

Hour: 9.35 A.M. to 10 05 A.M.

Position: Lat. 41-53-15 Long. 70-27

Locality: Off Indian Hill

Depth: 32 Bottom: Sample:

Wind: Direction, NE Force, 1-2

Sea: Ground Sky: Bcz 3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	2.15	2.0	0	2.15		
16	#6	2.2	4.0	-00	2.20		
32	#2	2.15	4.0	-04	2.11		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
✓ 1 m	29	935	940	
TB 1/2 m # 2 net	9 fath.	945	1005	[illegible]
T1 1ft # 2 net		945	1005	
T2 1ft # 2 net		945	1005	

11—5314

NOTES

T 1/2 m Very many diatoms

615 958278

25

Station No. 05-10 Date: Jan 7 191

Hour: 10 40 A. M. to 11 05 A. M.

Position: Lat. 41.58 Long. 70-30-15

Locality: Rocky Point

Depth: 39 m Bottom: Sample:

Wind: Direction, NW Force, 2-2

Sea: Ground Sky: Bc 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	2.45	2.0	+01	2.26		
19	#6	2.45	3.5	+.02	2.47		
37	#2	2.15	2.0	-0	2.15		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V 1m	33m			
T1 1ft #2	0	1045	1105	
T2 1ft #2	0	1045	1105	
TB 1/2m #2	17	1045	1105	40 45

11—5314

NOTES

T 1/2 m very many diatoms

958374

615

Station No. 05-11 Date: Jan 7 1925

Hour: 11.30 A.M. to 12.15 P.M.

Position: Lat. 41 58 30 Long. 70-31-30

Locality: Plymouth Bay

Depth: 37 m Bottom: Sample:

Wind: Direction, NW Force, 1

Sea: Ground Sky: Bc 6

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	2.0	2.5	-01	1.99		
18	#6	2.0	4.0	-0.0	2.00		
35	#2	1.15	2.0	0	1.15		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V/m	32	11.35		
T1 1ft # 2 net	0	11.55	1215	
T2 1ft # 2 net	0	11.55	"	
TB 1/2 m # 2 net	15 [illegible]	11.55	1215	160 [illegible]

11—5314

NOTES

V/m few egg (cod) 2/1

Very large Black fish at surface

T1 Eggs many

TB 1/2 m # 2 net 1

Ctenophora and Tiaropsis also

Beroe abundant

9584 74

615

Station No. 05-12 Date: Jan 7 1925

Hour: 12 30 P.M. to 1 10 P.M.

Position: Lat. 42-01-15 Long. 70-33-

Locality: off Gurnet Pt

Depth: 28 m Bottom: Sample:

Wind: Direction, S.E Force, 0-1

Sea: Ground Sky: BCS

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	2.15	2.0	0	2.15		
13	#6	1.65	2.3	+.02	1.67		
24	#2	1.55	1.5	0	1.55		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1m	23m	12.35	12 38	
TB 1/2 m X 2 net	10 fath	1250	110	120 -35
T1 1ft X 2 net	0	1250	..	
T2 1ft X 2 net	0	1250		

11—5314

NOTES

V1m few Eggs noted

95-85 7H

615

Station No. 05-13 Date: Jan 7 191 25

Hour: 1 22 . M. to 1 58 P. M.

Position: Lat. 42-03 Long. 70-34-30

Locality: off High Pine Ledge

Depth: 27 Bottom: Sample:

Wind: Direction, SE Force, 1-2

Sea: Ground Sky: BC

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	2.0	2.0	0	2.0		
13	#6	1.90	3.0	+.00	1.90		
25	#2	1.90	2.0	0	1.90		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V 1m	22m	1.30		
T1 16' x 2	0	138	158	
T2 " x 2	0			
TB 1/2 m	10 fath	138	158	

11—5314

NOTES

G15 958674

Station No. 05.14 Date: Jan 2 191 25

Hour: 2 15 . M. to 2 00 P . M.

Position: Lat. 42-05- Long. 70-35-

Locality: off Farnham Rock

Depth: 27m Bottom: Sample:

Wind: Direction, SW Force, 2-3

Sea: ~~BC 4 Chop~~ Sky: BC 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	2.15	2.0	0	2.15		
13	#6	2.2	2.5	+.03	2.23		
25	#2	2.05	2.0	0	2.05		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1m	22m	2,20		
T1 1H #2	0			
T2 1H #2	0			
TB1/2m	6 feet	2.30	2.50	

11—5314

NOTES

615 95-87 FH

Station No. 05.15 Date: Jan 7 1925

Hour: 3.15 P.M. to 3 40 P.M.

Position: Lat. 42-09-30 Long. 70-38-15

Locality: off Humarock

Depth: 22m Bottom: Sample:

Wind: Direction, SW Force, 3

Sea: Ground Sky: BC 5

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	2.05	2.5	0	2.05		
10	#6	2.5	2.0	+.03	2.53		
20	#2	2.95	3.0	0	2.95		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V 1m	17m	315		
T1 1ft #2 net	0	320	340	
T2 1ft #2 net	0	320	340	
T3 1/2m	8 Fath	320	340	165 [illegible]

11—5314

NOTES

T2 1ft #2 net. bottle capsized by side of ship.

615 9588 F4

Station No. 05,16 Date: Jan 9 1925

Hour: 4.33 P.M. to 5.05 P.M.

Position: Lat. 42-14.60 Long. 70-41 —

Locality: off Cedar Point

Depth: 22m Bottom: Sample:

Wind: Direction, SW Force, 3

Sea: Ground Sky: BC 5

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	2	2.7	3.0	0	2.7		
10	4	2.7	3.0	+.03	2.73		
20	2	2.7	3.0	0	2.7		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V 1m	17	4.35		
T 1 1st & 2nd	0	445	505	
T2	0	+1	505	
TB 1/2m	9 fath	"	"	

11—5314

NOTES

615 9589 FH

Station No. 06.19 Date: Feb 6 25 191

Hour: 9.05 A. M. to . M. 950 AM

Position: Lat. 42-22 Long. 70-38

Locality:

Depth: 72 m Bottom: Sample:

Wind: Direction, NNW Force, 3-4

Sea: Ground Sky: Bcy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	2.6	—	0	2.6		
35	#6	2.05	3.5	+.01	2.04		
70	#2	2.6	2.5	0	2.6		

CURRENTS

Depth	Hour, No.	Tide,	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: P.B.T. = Peterson Young fish trawl, with a #2. 1 meter net placed inside.

11—5314

P.TB. = Petersen Young fish net with #2, 1M net inside

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
✓ 1m	67	9.10		
T 1 ft #2 net	Surface	9.30	9.50	
T 1 ft #2 net	"	"	"	
P.B.T.	72m			

11—5314

NOTES

Depth	Hyd #	Read.	Const.	$\bar{x}$	t	σ_{15}	σ_0	σ_{ts}
Surf	113	26.4	+0.1	26.5	3.9	25.0	27.10	27.01
35 m	"	26.0	"	26.1	4.2	24.7	26.72	26.60
70 m.	"	26.1	"	26.2	4.2	24.7	26.84	26.66

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	27.10	18.67	33.73	27.01	0.00	27.01
35	26.72	18.41	33.26	26.60	0.16	26.76
70	26.84	18.37	33.18	26.66	0.32	26.98

F.H. 9590

615

25

Station No. 06.18A Date Feb 6 191

Hour: 10.48 A. M. to . M. 11.20

Position: Lat. 42-16.54 Long. 70-30 30

Locality:

Depth: 70 Bottom: Sample:

Wind: Direction, NNW Force, 2

Sea: Smooth Sky: Bcg 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	2.0	–	0	2.00		
34	#6	1.85	4.0	0.05	1.85		
68	#2	2.0	2.0	0	2.0		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

PTB = Petersen Young fish trawl

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m	65	10.50		
T1ft #2 net	Surf.	10.55	11.15	
T1ft #2 net	"	"	"	
P.T.B	28 Fath.	11.00	11.20	85 ft/m

11—5314

NOTES

Depth	Hydr	Reading	Const.	Tr	Temp	σ_0	σ_{ts}
Surf	113	25.9	+0.1	26.0	3.1	26.52	26.40
34m	"	25.9	"	26.0	3.6	26.58	26.48
68m	"	25.7	"	25.8	4.2	26.43	26.31

	σ_0	cl	S	σ_{ts}	n	Δ
0	26.52	18.27	33.01	26.40	0	26.40
34	26.58	18.31	33.08	26.48	0.16	26.64
68	26.43	18.21	32.90	26.31	0.31	26.62

T1ft #2 net

PTB Many Beroe

749591

615

Station No. 06.02 Date: Feb 6 25 191

Hour: 12.15 P. M. to . M. 12 50 Pm

Position: Lat. 42.12 Long. 70-23-30

Locality:

Depth: 65 m Bottom: Sample:

Wind: Direction, NE Force, 1-2

Sea: Smooth Sky: Bezo

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	2.0	—	0	2.0		
32	#6	1.9	3.5	+.01	1.91		
63	#2	3.1	2.5	+.01	3.11		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m	60 m			
T1ft #2 net	Surface	12.30	12.50	
T #2 net	"			
P.B.T. 79°	15 fms	12.30	12.50	

11—5314

NOTES

Depth	Hydr.	Read.	Const	h	Temp	σ_0	σ_{ts}
0	113	25.7	+0.1	25.8	4.0	26.41	26.29
32	"	25.7	"	25.8	4.2	26.43	26.32
63	"	25.6	"	25.7	4.6	26.38	26.18

Depth	σ_0	CL	S	σ_{ts}	n	Δ
0	26.41	18.19	32.87	26.29	0	26.29
32	26.43	18.21	32.90	26.32	0.15	26.47
63	26.38	18.17	32.83	26.18	0.29	26.47

74.9592

615

Station No. 06.04 Date: Feb 6 1925 25 191

Hour: 1.57 P. M. to . M. 2.25 Pm

Position: Lat 42-05-30 Long. 70-17-00

Locality: Off Race Pt Cape Cod

Depth: 62 m Bottom: Sample:

Wind: Direction, E Force, 1-2

Sea: Smooth Sky: Bcy 3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	0.6	—	00	0.6		
30	#6	0.6	2.5	-00	0.60		
60	#2	1.0	0.5	+.05	1.05		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V 1m	57m	2 PM		
T1 ft #2 net	Surface	2.05	2.25	
T2 ft #2 net	"	Lost		
PTB	31 fms	2.05	2.25	

11—5314

NOTES

Depth	Hyd	Read	Const.	h	Temp.	σ_0	σ_{ts}
0	113	25.4	+0.1	25.5	4.4	26.12	26.09
30	"	25.5	"	25.6	4.0	26.20	26.17
60	"	25.6	"	25.7	4.0	26.30	26.25

Depth	σ_0	cl	S	σ_{ts}	n	Δ
0	26.12	18.00	32.51	26.08	0	26.09
30	26.20	18.05	32.61	26.17	0.14	26.31
60	26.30	18.12	32.74	26.25	0.28	26.53

Many Limaformosae

Few Pleurobrachiae

615 9593 FH

Station No. 06.05 Date: Feb 6 1925

Hour: 3.20 P. M. to . M. 3 50 Pm

Position: Lat. 42 00 45 Long. 70-11-50

Locality: off Wood End, Cape Cod

Depth: 40 m Bottom: Sample:

Wind: Direction, EXS Force, 0.1

Sea: Smooth Sky: Bcy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	0.6	—	0.0	0.6		
20	#6	-0.15	3.0	+.01	-0.14		
39	#2	0.1	0.5	-.01	0.99		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V/m	35m			
Tift #2 net		3.20	3.40	
Tift #2 net		"	"	
PTB 72°	22 fms	3.30	3.50	

11—5314

NOTES

Depth	Hdg	Read	Const	Ti	Temp	σ_0	σ_{ts}
Surface	113	25.4	+0.1	25.5	3.2	26.06	26.03
20	—		—	—	—		
40	—	—	—	—	—		

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.06	17.95	32.43	26.03	0	26.03
20						
40						

Diatoms very abundant.

9394 FH

615

Station No. 06.06 Date: Feb 4. 191 25

Hour: 4.40 P.M. to .M. 5.20 PM

Position: Lat. 41-55-30 Long. 70 09 30

Locality: Off Wellfleet

Depth: 17.5m Bottom: Sample:

Wind: Direction, SSW Force, 1

Sea: Smooth Sky: Bezl

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	0.2	—	0	0.2		
8	#6	0.8	2.5	+.01	0.81		
16	#2	0.0	0.5	0	0.00		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V/2m	12m	4.40		
Taft #2	"	4.40	5.00	
Taft #2		"	"	
P.T.B 75°	13 fath	5.00	5.20	

Depth	Hand	Read	Const.	T	Temp	σ_0	σ_{ts}
0	113	25.3	+0.1	25.4	2.6	25.91	25.90
8	"	25.3	"	25.4	2.9	25.94	25.89
16	"	25.5	"	25.6	3.4	26.17	26.17

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	25.91	17.85	32.25	25.90	0	25.90
8	25.94	17.87	32.29	25.89	.04	25.93
16	26.17	18.03	32.57	26.17	.07	26.24

Many deaths

11—5314

NOTES

H9595

615

Station No. 06,07 Date: Feb. 6, 1925

Hour: 6 P .M. to .M. 6 25 PM

Position: Lat. 41 49-30 Long. 70-11-15

Locality: Off Billingsgate Shoal

Depth: 12 m Bottom: Sample:

Wind: Direction, SSW Force, 1-2

Sea: Smooth Sky: Bcy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	-0.7	—	0	-0.7		
6	#6	-0.4	+1.0	+01	-0.39		
11	#2	-0.6	-0.5	+02	-0.58		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V/7m	7m	6.00		
T/ft #2 net		6.05	6.25	
T, ft #2 net		"	"	
TB½M		"	"	

11—5314

NOTES

Depth	Hyd	Read.	Const.	h	Temp	σ_0	σ_{ts}
0	113	25.4	+0.1	25.5	2.2	25.99	26.02
6	"	25.5	"	25.6	2.2	26.09	26.11
11	"	25.6	"	25.7	2.3	26.20	26.24

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	25.99	17.91	32.35	26.02	0	26.02
6	26.09	17.97	32.47	26.11	.03	26.14
11	26.20	18.08	32.66	26.24	.05	26.29

7H 95, 96

616

Station No. 06.06A Date: Feb 6, 1925

Hour: 7.35 P. M. to . M. 7.50

Position: Lat. 41-56 00 Long. 70-18 30

Locality: About Halfway between Wood End Cape Cod and Indian Ledge

Depth: 35 m Bottom: Sample:

Wind: Direction, SW Force, 1-2

Sea: Smooth Sky: Beg 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	-0.6	—	0	-0.6		
17	#6	-1.6	1.0	+.05	-1.55		
34	#2	-0.4	-0.5	—	-0.4		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V.	30	7.45		
T. ft #2 net				
T. ft #2 net				
PTB	19 fms	7.05	735	

11—5314

NOTES

Depth	Hyd	Rend.	Const.	$\bar{h}$	Temp	σ_0	σ_{ts}
0	113	25.6	+0.1	25.7	2.2	26.19	26.21
17	"	25.5	"	25.6	1.4	26.07	26.12
34	"	25.7	"	25.8	2.4	26.31	26.32

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.19	18.05	32.62	26.21	0	26.21
17	26.07	17.96	32.45	26.12	.08	26.20
34	26.31	18.12	32.74	26.32	.16	26.48

Mary Ctenophora

FH 9597

615

Station No. 06.09 Date: Feb 6 1925

Hour: 9.45 P.M. to .M. 10.05 PM

Position: Lat. 41-53-15 Long. 70-27-00

Locality: Off Indian Hill

Depth: 30m Bottom: Sample:

Wind: Direction, SW Force, 2-3

Sea: Smooth Sky: 3 cz 3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	1.2.	—	0	1.2		
15	#6	0.6	3.0	-.01	0.59		
29	#2	0.7	1.0	0	0.7		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V/m	25 m	7.40		
T/ft #2 net		9.45	10.05	
T/ft #2 net		"	"	
TB½M	10/m	"	"	

11—5314

NOTES

Depth	Hyd.	Read.	Const.	h	Temp	σ_0	σ_{ts}
0	103	25.7	+0.1	25.8	3.6	26.27	26.21
15	"	25.7	"	25.8	3.0	26.34	26.34
29	"	26.0	"	26.1	3.4	26.67	26.63

Depth	σ_0	CL	S	σ_{ts}	n	Δ
0	26.27	18.10	32.70	26.21	0	26.21
15	26.34	18.14	32.78	26.34	.07	26.41
29	26.67	18.37	33.19	26.63	.14	26.77

7H 9598

G15

Station No. 06.10 Date: Feb. 7, 1925

Hour: 7.00 A. M. to . M. 7.25 Am

Position: Lat. 41.58.00 Long. 70-30.15

Locality: off Rocky Point

Depth: 36 m Bottom: Sample:

Wind: Direction, SW Force, 2-3

Sea: Smooth Sky: Bay 5

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	1.0	–	0	1.0		
18	#6	0.85	2.0	+.02	0.87		
35	#2	0.8	1.0	+0	0.80		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V 1m	30	7.05	7.35	
T 1ft #2 net	Surface	"	"	
T - #2 net	"	"	"	
TB½M		"	"	

11—5314

NOTES

Depth	Hyd.	Read	Const.	h	Temp.	σ_0	σ_{ts}
0	13	25.7	+0.1	25.8	3.9	26.40	26.35
17	"	25.6	"	25.7	3.0	26.25	26.21
34	"	25.7	"	25.8	3.3	26.35	26.31

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.40	18.15	32.79	26.35	0	26.35
17	26.25	18.05	32.62	26.21	0.08	26.29
34	26.35	18.15	32.79	26.31	0.15	26.46

7H 9599

615

Station No. 06, 11 A Date: Feb. 7. 191 25

Hour: 7.55 AM. M. to .M. 8 20 AM

Position: Lat. 42 00-00 Long. 70-32-15

Locality: Plymouth Bay

Depth: 37 m Bottom: Sample:

Wind: Direction, W & W Force, 3

Sea: Smooth Sky: Bly 5

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	1.1	–	0	1.1		
18	#6	1.0	2.6	+.01	1.01		
36	#2	1.2	1.0	0	1.20		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V/m	32	7.55		
T1ft #2 net		8.00	8.20	
		"	"	
TB½M		"	"	

11-5314

NOTES

Depth	Hyd.	Read	Const	τ	Temp.	σ_0	σ_{ts}
0	1.3	25.6	+ 0.1	25.7	3.2	26.25	26.19
18	"	25.9	"	26.0	3.6	26.49	26.44
36	"	25.8	"	25.9	3.0	26.45	26.39

Depth	σ_0	d	S	σ_{ts}	n	Δ
0	26.25	18.08	32.67	26.19	0	26.19
18	26.49	18.25	32.97	26.44	0.08	26.52
36	26.45	18.22	32.92	26.39	0.16	26.55

TH. 9600

615

Station No. 06.13A Date: Feb 7 191 25

Hour: 8.50 . M. to . M. 9 20 Am

Position: Lat. 42 02 30 Long. 70 34 00

Locality: Gurnet Point

Depth: 33 m Bottom: Sample:

Wind: Direction, SW Force, 2

Sea: Smooth Sky: Bty 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	1.2	–	0	1.2		
16	#4	1.1	3.0	-.00	1.10		
32	#2	1.1	1.5	0	1.1		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1	29m	8.50		
Tift #2 net		"	9.10	
Tift #2 net		"	"	
PBT	17/m	9.00	9.20	

11—5314

NOTES

Depth	Hyd	Read.	Const.	h	Temp	σ_0	σ_{ts}
0	113	25.7	+0.1	25.8	3.0	26.36	26.30
16	"	25.8	0.1	25.9	3.4	26.47	26.41
32	"	25.9	0.1	26.0	3.0	26.55	26.49

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.36	18.16	32.81	26.30	0	26.30
16	26.47	18.23	32.94	26.41	.07	26.48
32	26.55	18.29	33.04	26.49	.15	26.64

Several Bevel

F.H. 9601

615

Station No. 06.14 Date: Feb 7 191 35

Hour: 9.40 A.M. to 10 25 A.M.

Position: Lat. 42 05 Long. 70 35 00

Locality: Off Farnham Rock.

Depth: 23m Bottom: Sample:

Wind: Direction, SSW Force, 2-3

Sea: Smooth Sky: Bcy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1348	-0.1	—	0	-0.1		
11	#6	-0.2	2.0	-.01	-0.19		
22	#2	+0.2	0.5	0	+0.2		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1	15 m.	9.40		
T1/A #2 net		9.45	10.05	
T1/A #2 net		"	"	
PTB	13 fm.	10.05	10.25	

11—5314

NOTES

Depth	Hyd	Read.	Corr.	T	Temp	σ_0	σ_{ts}
0	113	25.7	+0.1	25.8	2.2	26.29	26.29
11	"	25.9	"	26.0	2.0	26.50	26.51
22	"	25.7	"	25.8	2.8	26.34	26.33

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.29	18.11	32.72	26.29	0	26.29
11	26.50	18.25	32.98	26.51	.05	26.56
22	26.34	18.14	32.78	26.33	.10	26.43

Several Barrel

Peterson net torn up.

F.H. (9602)

615

Station No. 06.15 Date: Feb 7. 1925

Hour: 11 A .. M. to 1130 A. M.

Position: Lat. 42 09 30 Long. 70-38-15

Locality: Off Humarock

Depth: 24 m Bottom: Sample:

Wind: Direction, SW Force, 2-3

Sea: Smooth Sky: Bcy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	0.00	–	0	0.00		
12	#6	-0.5	2.5	-.01	-0.51		
23	#2	2.0	0.5	+.03	+2.03		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V_1	19m	11		
Tift #2		11.10	11.30	
" "		"	"	
TB½M		"	"	

11—5314

NOTES

Depth	Hydr.	Read.	Const.	W	Temp	σ_0	σ_{ts}
0	113	25.6	+0.1	25.7	3.0	26.25	26.25
12	"	25.6	" "	25.7	2.6	26.22	26.24
24		25.8	"	25.9	2.8	26.44	26.32

Depth	σ_0	d	S	σ_{ts}	n	Δ
0	26.25	18.08	32.67	26.25	0	26.25
12	26.22	18.06	32.63	26.24	.06	26.30
24	26.44	18.21	32.91	26.32	.11	26.43

F.H. 9603

615

Station No. 06.16 Date: Feb 7, 1925

Hour: 12.15 P.M. to 12 40 P.M.

Position: Lat. 42-14 00 Long. 70-41

Locality: Off Cedar Point

Depth: 25 m Bottom: Sample:

Wind: Direction, SW Force, 3

Sea: Smooth Sky: 3 cy 5

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	0.00	—	0	-0.0		
12	#6	-0.1	3.0	-.04	-0.14		
24	#2	0.5	1.0	-.01	0.49		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V, m	20m	1215		
T, ft #2		1220	1240	
" "		"	"	
TB½M		"	"	

11—5314

NOTES

Depth	Hgth	Read.	Const	τ_r	Temp	σ_0	σ_{ts}
0	113	25.5	+0.1	25.6	3.0	26.14	26.14
12	"	25.8	"	25.9	2.8	26.45	26.45
24	"	25.8	"	25.9	3.6	26.48	26.46

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.14	18.01	32.54	26.14	0	26.14
12	26.45	18.22	32.92	26.45	.06	26.51
24	26.48	18.24	32.95	26.46	.11	26.57

960474

615

Station No. 07.18A Date: Feb 24 1915

Hour: 10.20 A. M. to . M. 10 00 AM

Position: Lat. 42-16-54 Long. 70-30 30

Locality:

Depth: 72m Bottom: Sample:

Wind: Direction, NE Force, 3

Sea: Ground Sky: Oc 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1396	2.00	—	—	2.00		
36	#6	1.68	2.50	+.02	1.70		
70	#2	2.20	2.0	0.0	2.20		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m	0 fm	10.20		
T1 ft		1035	1055	
T2 1 ft				
TB1m #2	35 fath	1035 10	1055	120 40

11—5314

NOTES

Depth	hyd #	Read	Const.	h	Temp.
0	113	25.9	+ 0.7	26.0	4.7
35	"	25.6	"	25.7	3.7
70	"	25.9	"	26.0	3.9

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.63	18.34	33.14	26.51	0	26.51
35	26.21	17.99	32.51	26.12	.16	26.28
70	26.59	18.32	33.10	26.45	.32	26.77

Tima formosa few
Boera one
few diatoms few eggs } V1m

TB1m #2 Tima formosa very many, Beroea several. Diatoms very abundant few eggs

T1 & 2 many diatoms few eggs

7H9605

615

Station No. 07.02 Date: Feb 24 1925

Hour: 12 Noon . M. to 12.35 P. M.

Position: Lat. 42-12-00 Long. 70-23-30

Locality:

Depth: 66 m Bottom: Sample:

Wind: Direction, ENE Force, 4

Sea: Calm Sky: Cc

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1396	2.10	–	–	2.10		
32	#6	1.80	2.00	+.03	1.83		
64	#2	1.90	2.00	0.0	1.90		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
√1m	60m	12 Noon		
T1, 1 ft #2				
T2, 1 ft #2				
T.B. 1m	29 fath			

11—5314

NOTES

Depth	#	Read.	Const.	h	Temp.	
0	113	25.5	+0.1	25.60	5.2	
32	"	25.6	"	25.70	3.7	
64	"	25.8	"	25.90	4.6	

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.32	18.13	32.75	26.19	0	26.19
32	26.28	18.10	32.71	26.28	.15	26.43
64	26.57	18.30	33.07	26.45	.30	26.75

615 HH9606

Station No. 07.05 Date: Feb 24 1925

Hour: 2.45P .M. to 3.16P .M.

Position: Lat. 42 05 30 Long. 70-11-50

Locality:

Depth: 44m Bottom: Sample:

Wind: Direction, NE Force, 4

Sea: Smooth Sky: Bcz 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1396	2.30	—	—	2.30		
22	#6	1.85	2.0	+.03	1.88		
43	#2	2.32	1.5	+.02	2.34		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1 m	40 m	2.45		
T1, 1 ft #2				
T2 1 ft #2				
~~TB 1/2 m #2 Tam~~				

11—5314

NOTES

Depth	#	Read.	Const.	h	Temp.		
0	113	25.1	+0.1	25.2	5.6		
22	"	25.5	"	25.6	3.8		
43	"	25.8	"	25.9	4.1		
Depth	σ_0	CL	S	σ_{ts}	n	Δ	
0	25.94	17.87	32.29	25.94	0	25.94	?
22	26.20	18.05	32.61	26.09	.10	26.19	
43	26.51	18.26	32.99	26.37	.20	26.57	

Large Black fish sporting here.

School of Porpoises off Roca Pt

Many diatoms in surface nets, T1-T2

96074H

615

Station No. 07.07 Date: Feb. 24 1925

Hour: 5.03 P.M. to 5.30 P.M.

Position: Lat. 41-49-30 Long. 70-11-15

Locality:

Depth: 12 m Bottom: Sample:

Wind: Direction, NE Force, 4

Sea: Smooth Sky: 8C 7

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1394	1.60	–	–	1.60		
6	#6	1.45	2.0	+.03	1.48		
12	#2	1.40	1.5	-.01	1.39		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m #2	7m	505		
T1 1st #2		510	530	
T2 1st #2				
TB 1/2m #2	7 fath	510	530	

11—5314

NOTES

Depth	#	Read.	Const.	W	Temp	
0	113	25.2	+0.1	25.30	4.1	
6	"	25.3	"	25.40	3.9	
12	"	25.3	"	25.40	3.7	
Depth	σ_0	CL	S	σ_{t5}	n	Δ
0	25.91	17.85	32.25	25.82	—	25.82
6	25.99	17.90	32.35	25.91	.03	25.94
12	25.98	17.90	32.34	25.90	.06	25.96

Many deviations in all nets.

7H9608

615

Station No. 07.10 Date: Feb 28 191

Hour: 12 15 P. M. to . M. 12.50

Position: Lat. 41-58-00 Long. 70-30-15

Locality:

Depth: 38m Bottom: Sample:

Wind: Direction, NW Force, 4

Sea: Ground Sky: BC

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	1.1	+1.0	0.0	1.10		
19	#6	1.4	+2.0	-.03	1.43		
36	#2	1.4	+1.5	0.0	1.40		✓

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V 1m	35			
T1 6t		1235	1250	
T2 1t		1235	1250	
TB 1m	10 fath			

11—5314

NOTES

Depth	#	Read.	Cont.	Tw	Temp.		
0	207.	23.25	(2)+.86	24.11	16.4		
19	"	22.75	+.84	23.59	16.5		
36	"	22.95	+.85	23.80	16.4		
Depth	σ_0	Cl	S	σ_{0S}	n	△	

V1 many eggs several young fish

T1, T2 many diatoms

TB1m many diatoms

Depth	μ	t
0	1.3390	11.4
19	1.3390	11.5
36	1.3389	11.6

960978

615

Station No. 07.13A Date: Feb 28 191

Hour: 1.34 P. M. to 2.10 P. M.

Position: Lat. 42-02-30 Long. 70-34-

Locality:

Depth: 38m Bottom: Sample:

Wind: Direction, NW Force, 2-3

Sea: Ground Sky: BC 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	1.2	.75	+.01	1.21		
15m	#6	1.1	1.50	+.03	1.10		
30m	#2	1.2	.75	+.01	1.21		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m	25 m			
T1 1bt		150 Pm	210 Pm	
		140		
T2 1bt		150	210 Pm	
TB1m	8 Fath	150 P	210 Pm	

11—5314

NOTES

Depth	#	Read.	Const.	h	Temp		
0	207	22.85	+.84	23.69	16.6		
15	"	22.80	+.84	23.64	16.7		
30	"	22.85	+.84	23.69	16.8		

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0						
15						
30						

Sagitta many Vertical net

V1m few eggs

T2; T1; TB1m many diatoms

Depth	μ	t
0	1.3392	11.7
15	1.3393	11.8
30	1.3394	12.0

7H9610

615

Station No. 07,15 Date: Feb 28 1925

Hour: 3,10 P.M. to 3,40 P.M.

Position: Lat. 42-09-30 Long. 70-38-15

Locality:

Depth: 24m Bottom: Sample:

Wind: Direction, N Force, 2-3

Sea: Broken Sky: 3 C 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 2	1,2	1.0	+.01	1.21		
12	# 6	1,2	2,5	+.01			
22	# 2	1,3	1,5	0.0	1.30		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m	20m			
T1 1ft	3,25P	3,25P	3,45	
T2 1ft	3,25P	3,25	3,45	
TB1m	7 fath	3,25		

11—5314

NOTES

Depth	#	Read.	Const.	h	Temp.	
0	207	22.85	+.84	23.69	16.5	
12	"	22.85	+.84	23.69	16.7	
22	"	22.95	+.85	23.80	16.6	
Depth	σ_0	Cl	S	σ_{ts}	n	Δ

Few Tima forms as V1m

TB1m many young fish

T

No diatoms

Depth	μ	t
0	1.3390	12.1
12	1.3397	12.3
22	1.3392	12.4

615 #9611

Station No. 08, 18A Date: March 10 1915

Hour: 8.40 A.M. to .M. 9.20 Am

Position: Lat. 42, 16, 54 Long. 70-30-30

Locality:

Depth: 77m Bottom: Sample:

Wind: Direction, SE Force, 2

Sea: Ground Sky: Oc 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	1.90	-	-	1.90		
38	#4	1.85	2.0	+.03	1.88		
74	#2	1.85	2.0	0.0	1.85		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m	70m			
TB1m	21 fath	9A	920 Am	
T1 ft		9Am	920	
T2 1 ft		"	"	

11—5314

NOTES

Depth	#	Read.	Const	h	Temp
0	113	25.7	+0.1	25.80	4.3
38	"	25.7	"	25.80	4.4
76	"	25.9	"	25.90	4.4

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.43	18.21	32.90	26.32	0	26.32
38	26.44	18.21	32.91	26.33	0.17	26.50
76	26.52	18.27	33.01	26.41	.35	26.76

Depth	μ	t
0	1.3[illegible]	[illegible]
38	1.3429	[illegible]
76	[illegible]	[illegible]

A great many tunnae

few Hippoglossoides eggs

1 ~~[illegible]~~ fish TB1m

7H9612

615

Station No. 08,02 Date: Mar. 10 1925

Hour: 10.15 A.M. to 11 A .M.

Position: Lat. 42 12 00 Long. 70-23-30

Locality:

Depth: 66 m. Bottom: Sample:

Wind: Direction, SE Force, 2

Sea: Ground Sky: Oc 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	2.40	-	-	2.40		
33	#6	2.10	2.0	+.04	2.14		
65	#2	2.05	2.0	0.0	2.05		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V 1m	61m	10.20		
TB 1m	157 fath.	1035	1055 Am	
T1 1H #2		1035A	1055	
T2 1H #2		"	"	

11—5314

NOTES

Depth	#	Read.	Const.	Tw	Temp.
0	113	25.70	+0.1	25.80	4.7
33	"	25.80	"	25.90	4.0
65	"	25.90	"	26.00	4.0

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.47	18.23	32.94	26.32	0	26.32
33	26.50	18.25	32.98	26.38	.15	26.53
65	26.61	18.33	33.12	26.49	.30	26.79

Depth	μ	t
0	1.3449	5.1
33	1.3450	5.5
65	1.3450	5.8

Many diatoms

T B 1m many Hyffoglossides P.

615 7H96.13

Station No. 08.10 Date: Mar 10 1925

Hour: 12.45 P.M. to 2.50 P.M.

Position: Lat. 41-58-00 Long. 70-30-15

Locality:

Depth: 34 m Bottom: Sample:

Wind: Direction, SE Force, 2

Sea: Short Ground Sky: Bc 7

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	2.0	–	–	2.0		
17	#6	1.40	2.0	+.03	1.63		
33	#2	2.15	1.5	+.02	2.17		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m	20 fath			
TB1m				
T1, 1 ft #2				
T2, 1 ft #2				
Petersen trawl	16 fath	140P	240Pm	

11—5314

NOTES

Depth	#	Read.	Const.	n	Temp.
0	113	25.5	+0.1	25.60	4.4
17	"	25.5	"	25.60	4.0
33	"	25.5	"	25.60	3.7

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.24	18.08	32.66	26.12	0	26.12
17	26.20	18.05	32.61	26.11	.08	26.19
33	26.13	18.00	32.52	26.00	.15	26.15

Depth	μ	t
0	1.3450	3.7
17	1.3451	4.0
33	1.3450	4.4

Petersen young fish towed between Sta. #10, and Sta #13A

Few eggs.
Several Berries

TB½M net torn up

7H9614

615

Station No. 08.13A Date: Mar. 10 191

Hour: 300 . M. to 340 P . M.

Position: Lat. 42-02-30 Long. 70-34-00

Locality:

Depth: 26 m Bottom: Sample:

Wind: Direction, SE Force, 2

Sea: Short Ground Sky: Short Ground

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	1.70	—	—	1.70		
13	#2	1.60	1.5	+.04	1.64		
25	#2	1.45	1.5	0.0	1.45		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V, m	21			
T1 1H X2				
T2				
TB ½ m X	15 fall			

11—5314

NOTES

Depth	#	Read.	Const.	W	Temp.	
0	113	25.5	+0.1	25.60	4.0	
13	—	—	—	—	—	
25	113	25.3	+0.1	25.40	4.0	

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.20	18.05	32.61	26.10	0	26.10
13						
25	26.00	17.91	32.36	25.92	.11	26.03

Depth	μ	t
0	1.3443	2.8
13	—	—
25	1.3446	3.2

Pleurobrachia many
Lima many

615 FH 9614

Station No. 08.15 Date: Mar. 10 1925

Hour: 4.30 P.M. to 5P .M.

Position: Lat. 42-09-30 Long. 70-38-15

Locality:

Depth: 22m Bottom: Sample:

Wind: Direction, SE Force, 2

Sea: Short Sound Sky: Beg

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	123.98	2.0	—	—	2.0		
11	#6	1.60	3.0	+.01	1.61		
21	#2	1.95	2.0	0.0	1.95		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1m	17			
T1/HX2		435	455	
T2/HX2		435	455	
TB½m	15 fath	435	455	

11—5314

NOTES

Depth	#	Read.	Corr.	T	Temp
0	113	25.3	+0.1	25.40	4.7
11	"	25.4	"	25.50	3.8
21	"	25.5	"	25.60	3.7

Depth	σ_0	Cl	S	σ_{ts}	n	Δ
0	26.06	17.95	32.43	25.94	—	25.94
11	26.09	17.97	32.47	26.00	.05	26.05
21	26.18	18.03	32.58	26.07	.10	26.17

Depth	μ	t
0	1.3440	3.0
11	1.3445	3.5
21	—	—

Station No. Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Depth	#	Read.	Const.	h	Temp.	
Depth	σ_0	Cl	S	σ_{ts}	n	Δ

Station No. Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Depth	#	Read.	Const.	W	Temp.	
Depth	σ_0	CL	S	$\sigma_{t,s}$	n	Δ

Station No. Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Depth	#	Read	Const.	N	Temp	
Depth	σ_0	CL	S	σ_{ts}	n	Δ

615

Station No. Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Depth	#	Read.	Const.	n	Temp.	
Depth	σ_0	Cl	S	$\sigma_{t,s}$	n	Δ

Station No. Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Depth	#	Read.	Const.	W	Temp.	
Depth	σ_0	Cl	S	$\sigma_{t,s}$	n	Δ

one #2 on [illegible]
[illegible] off Bottom

T.B. #2 - 1 st

new

T 1/2 M #2

04.04

05-19 [illegible] 42-22
70' 3F

Gloucester

[illegible] 06-20 06-23 06,18
06-21 06-24 06.19
06-22 06,02

180 Net Hauls Trip. IV – VIII

Richter & Weise (Reversing Ther)

Bottle #6 = B.S 23474

" #2 = B.S. 11499

Trips 5 —

Jan. 6 20 Feb 3 17 Mar. 3 17 31 Ap. 14 28 May 12 26

Send Greenleaf 1 more lot & 2 net

16
3
48

B.S. 23473

Aux	0°	5°
2	+.08	-.02
0	+.02	-.08
5	+.05	-.05

#2

B.S. 11499

	0	8
0	0.00	-0.14
8	+0.16	0.00

Express to

Hayrabet 5000 Cult Dept