FFR

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 9523 to 9569

615

DEPARTMENT OF COMMERCE

BUREAU OF FISHERIES

RECORD OF DREDGINGS

Rope Spawn. 10 or 12 boats fishing
of Plymouth

galtsoffs Last Station 9522

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
9 - 41-53-15 70-23-00
10 - 41-58-00 70-30-15
11 - 41-59-30 70-31-30
12 - 42-01-15 70-33-00
13 - 42-03-00 70-34-30
14 - 42-05-00 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

Chart No..... Date..... Pub. by.....

615

Station No. 1 Date: Nov 12 1924

Hour: 11.30 A. M. to 11.50 A. M.

Position: Lat. Long.

Locality: 2 mi N.E. of Gurnet Pt.

Depth: Bottom: Sample:

Wind: Direction, S.W. Force, 1

Sea: Slightly choppy Sky: Clear & warm

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1	10.1°C					

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
T 1 = 1 ft #2 net, 20 min over cod				
T 2 = 1 ft #2 net, grounds				

11—5314

NOTES

2 Rockling 1-8mm and 1-9m.m.
14 Pollock 4—7m.m.
Eggs - Cod - 53 - early dev.
Pollock - 51 - all stages - several late.

Egg No A = 1.65 - 1.70

Plankton
1 Cancer borealis megalops.

3 adult Cod opened.
1 - Contained 5 herring (Sperling)
2 - " nothing

12 adult Cod examined at random (5-50 lbs)
2 almost spent ♀
1 " ripe ♀
2 ripe ♀
4 " ♂
2 not ripe 1-♂, 1-♀
1 Impossible to determine

615 Chart No. ..... Date..... Pub. by.....

Station No. 17 Date: 11/20 1924

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

Position: Lat. Long.

Locality: 3 mi E. Gurnet Pt.

Depth: 17 fath Bottom: Rocky Sample:

Wind: Direction, SW Force, 1

Sea: choppy Sky: clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
	1	8°C					

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	
T1 = 1ST #2		20 minutes over		
T2 = 1ST #2	cod-ground			

11—5314

NOTES

Eggs - Cod - 65 medium cleavage to early, embryo stage.

Eggs Pollock. 158
Early & Late, embryo stage.

Larval fish
Cod - St. 2.
4 m - 7 mm

615 Chart No. 01.08 Date ..... Pub. by .....

Station No. 9523 Date: Dec 3 1924

Hour: 6.45A.M. to 7.05A.M.

Position: Lat. 41°-49 Long. 70-24-30

Locality: Off. Cape Cod Canal off Bell & Gas

Depth: 24m Bottom: Sample:

Wind: Direction, WSW Force, 5

Sea: Smooth Sky: Bcz - 4

TEMPERATURES

Depth m	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#6	6.8	6.0	+.03	6.83		9.B
23	#2	6.8	5.8	+.02	6.82		"

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 — 20 — 0				
T1 = #2 ft net 0m				
T2 #2 " " " "				

11—5314

NOTES

Chart No..... Date..... Pub. by.....

615

Station No. 01.09 9524 Date: Dec. 3 1924

Hour: 7.55 AM . M. to 830 . M.

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

Locality: Off Indian Hill

Depth: 34 m Bottom: Sample:

Wind: Direction, WSW Force, 3-4

Sea: Start Choppy Sky: B Cez - 6

TEMPERATURES

Depth m	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#6	6.9	6.9	7.03	6.93		J.B
33	#2	6.9	6.4	4.01	6.91		"

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	
T 1 #2 = 16t	0m	810	830	
T 2 #2 = 16t	0m			
V IM				

11—5314

NOTES

Limacina helicina many

615 Chart No. ..... Date ..... Pub. by .....

Station No. 9525 Date: Dec 3 1924

Hour: 9.31 A.M. to 10.10 .M.

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

Locality: Off Rocky Point

Depth: 34 m Bottom: Sample:

Wind: Direction, WSW Force, 3

Sea: Start Choppy Sky: Bcz-5

TEMPERATURES

Depth m	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 6	6.7	6.5	+.04	6.74		9.B
33	# 2	6.8	6.25	+01	6.81		"

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.1 m.	32 m			
T1 1 ft m #2 net	0 m	9.50	-10.10	
T2 1 ft m #2	0 m	9.50	-10.10	

11—5314

NOTES

615 Chart No..... Date..... Pub. by 11/3/24

Station No. 9526 Date: Dec. 3 1924

01.11

Hour: 10.27 A.M. to 10.55 .M.

Position: Lat. 41-59-30 Long. 70-31-30

Locality: Off Plymouth Bay

Depth: 37 m Bottom: Sample:

Wind: Direction, NSW Force, 2-3

Sea: Short Ground Sky: Bcy-5

TEMPERATURES

Depth m	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#6	6.8	6.7	+.04	6.84		9.13
35	#2	6.85	6.5	+.01	6.86		"

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	33m	10.40	10.40	
T1 = #2 4t net		10.48	10.55	
T2 = #2 16t net		1040	1055	

11—5314

NOTES

615 Chart No..... Date..... Pub. by .....

Station No. 9527 Date: Dec 3 1924

01.12

Hour: 11.10 . M. to 11.50A . M.

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

Locality: Off Gurnet Pt

Depth: 29m Bottom: Sample:

Wind: Direction, W x N Force, 3

Sea: Short Ground Sky: Ocy.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#6	6.5	6.5	+01	6.51		g.B.
27	#2	6.4	6.25	0	6.4		"

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	
VT	25m	1145	1150	
T1 #2 ft net	0m	1120	1140	
T2 #2 ft net	0m	1120	1140	

11—5314

NOTES

615 Chart No..... Date..... Pub. by .....

Station No. 9528 Date: Dec 3 1924
01.13

Hour: 12.10 P.M. to 12.55 P.M.

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

Locality: off High Pine Ledge

Depth: 20 m Bottom: Sample:

Wind: Direction, WXN Force, 3

Sea: smooth Sky: Bcg-9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
m							
0	# 6	5.8	6.0	+.03	5.83		
20	# 2	5.8	5.5	0	5.8		

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	19m			
T1 - 1ft #2 net	0	1210	1230	
T2 - 1ft #2 net	0	1210	1230	

11—5314

NOTES

V 1meter nothing

615 Chart No..... Date..... Pub. by .....

Station No. 9529 01,14 Date: Dec. 3, 1924

Hour: 1.14 P. M. to 1.49 P. M.

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

Locality: Farnham Rock

Depth: 18m Bottom: Sample:

Wind: Direction, WxN Force, 3

Sea: Smooth Sky: Cy

TEMPERATURES

Depth m	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 6	5.1	5.5	+.02	5.13		
18	# 2	4.9	5.0	0	4.9		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

Beroea

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V I meter	15m	1.20		
T-1-1 bt #2 net		1.30 Pm		
T 2-1 bt #2 net		1.30 Pm		

11—5314

NOTES

1 Megalops of Cancer Borealis.

Several Black fish seen, flaging on surface, Probably feeding on herring.

T-1, T2, Pleurobrachia many, Beroea many.

V I meter, minus quantity

615 Chart No..... Date..... Pub. by .....

Station No. 9530 Date: Dec 3 1924

01.15

Hour: 2.30 P. M. to 3.05 P. M.

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

Locality: Off Hunnewell

Depth: 21 m Bottom: Sample:

Wind: Direction, WxN Force, 3

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0 m	# 6	4.8	5.0	+.02	4.82		
20 m	# 2	4.8	5.0	0	4.8		

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 1 meter	18 m	2:40 PM		
T-1 - 1 ft #2 net	0 m	245 P	3.05	
T2 - 1 ft #2 net	0 m	245 P	3.05	

11—5314

NOTES

T 1 Many pleurobrachia, Beroea
T 2 " " "

V 1 meter, minus

615 Chart No..... Date..... Pub. by .....

Station No. 9531 Date: Dec 3 1924

01.16

Hour: 355 P. M. to 420 P. M.

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

Locality: Off Cedar Pt

Depth: 26 m Bottom: Sample:

Wind: Direction, WxN Force, 3

Sea: Smooth Sky: Cloy.

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TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#6	5.6	6.0	+.02	5.62		
24m	#2	5.8	6.0	-.01	5.79		

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 meter	21m			
T-1-1ft #2 net	0m	405	420	8m
T-2-1ft #2 net	0m	400	420	

11—5314

NOTES

Chart No..... Date..... Pub. by.....

615

Station No. 9532 Date: DEC 3 1924

.01.17

Hour: 4.55 P. M. to 5 20 P. M.

Position: Lat. 42-18-15 Long. 70-44

Locality: Off Minots Ledge

Depth: 40 m, Bottom: Sample:

Wind: Direction, WXN Force, 3

Sea: Smooth Sky: Ocy.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 6	6.8	7.0	+.03	6.83		
138m	# 2	6.9	7.0	0	6.9		

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	
V 1 meter	35m			
T-1-1 ft #2 net	0	500	520	
T2-1 ft #2 net.	0	500	520	

11—5314

NOTES

Several Tomopteris
1 Red amphipod
Several Aristyps
First appearance of Calanus
in abundance

615 Chart No..... Date..... Pub. by.....

Station No. 9533 02.17 Date: Dec 9 1924

Hour: 8:25 A. M. to 8:00 A. M.

Position: Lat. 42-18-15 Long. 70-44-18

Locality: Off Minots Lt

Depth: 38m Bottom: Sample: ✓

Wind: Direction, SW Force, 3-4

Sea: Short choop. Sky: BCZ-3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	6.5	6.5	-0	6.5		
18m	#6	6.4	7.	+.02	6.42		
36m	#2	6.5	6.5	-01	6.49		

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, 1	33 m	8.40 AM		
T1 - 1 ft #2 net		840	9.00	
T2 - 1 ft #2 net		840	9.00	

11—5314

NOTES

V1 meter } One Herring

T1 = 1 ft #2 net several Hake 8-14 mm
2 large Hake 40 mm, 2 or 3 Herring
T2 = 1 ft #2 net many. Lima prunosa 26 30

Heavy Rain with SE wind Dec 8
many Tonopteris

Chart No..... Date..... Pub, by.....

615

Station No. 9534 02.16 Date: Dec 9 1924

Hour: 925 A.M. to 10AM M.

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

Locality: Off Cedar St.

Depth: 26m Bottom: Sample:

Wind: Direction, SW Force, 4

Sea: Short chop Sky: Bcy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	5.65	6.0	-.01	5.64		
12	#6	5.6	6.0	+.02	5.62		
24	#2	6.1	7.0	-01	6.09		

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/m	20m	AM 9.40	940	
T-1-H #2 net	20m	940	10A	
T2-1H #2 net	20m	940	10A	

11—5314

NOTES

V/ apparently nothing

T5 1-1H #2 one young fish approx 8 mm apparently no eggs.

TII -1H #2

Chart No. ..... Date ..... Pub. by .....

615

Station No. 9535 02.15 Date: Dec 9 1924

Hour: 10 50 . M. to 11.15 . M.

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

Locality: Off Humarock

Depth: 26 m Bottom: Sample:

Wind: Direction, SW Force, 4

Sea: Short chop Sky: Bcz 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.95	5.0	0	4.95		
12	#6	4.9	5.0	+.03	4.93		
24m	#2	4.9	5.0	0	4.9		

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	20 m	10.50	1055	
T1 - 1 ft #2 net		10.55	1115	
T II - 1 ft #2 net		10.55	11.15	

11—5314

NOTES

V1 m 1 Herring

T1.

T II

Chart No..... Date..... Pub. by .....

615

Station No. 9536 Date: Dec 9 1924

02.14

Hour: 11.55 A.M. to 12.19 P.M.

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

Locality: Off Farnham Rock

Depth: 27 Bottom: Sample:

Wind: Direction, W & W Force, 4

Sea: Short chop Sky: Bcy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0 m	# 2	5.9	6.00	0	5.9		
13	# 6	5.85	6.25	+.02	5.87		
26	# 2	5.8	6.00	0	5.8		

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	11.55	1155	
T-1-1H+2 net		12 N		
T#-1H+2 net		12 N		

11—5314

NOTES

V1 many jellyfish 1 eggs

T1 2 eggs.

T2

Sea rough

Chart No..... Date..... Pub. by .....

615

Station No. 9537 Date: Dec 9 1924

Hour: 12.35 P.M. to 1.10 P.M. 02.13

Position: Lat. 42.03 Long. 70-34-30

Locality: Off High Pine Ledge

Depth: 38 m Bottom: Sample:

Wind: Direction, W Force, 5

Sea: Ground Swell Sky: Bcz 5

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0m	#2	5.85	6.0	0	5.85		
17	#6	5.7	6.0	+.03	5.73		
34	#2	5.5	5.5	0	5.5		

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	33m			
T1 = 1ft #2 net		1235 pm	1255 pm	
T2 = 1ft #2 net		1235	1255	

11—5314

NOTES

V1 jellyfish - 1 egg

T1 - 1ft #2 net 3 eggs

T2 - 1ft #2 net. few eggs

Sea very rough

Chart No..... Date..... Pub. by .....

615

Station No. 9538 Date: Dec 9 1924

02,12

Hour: 1.30 P. M. to 1.50 P. M.

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

Locality: Gurnet Pt

Depth: 29 Bottom: Sample:

Wind: Direction, WxN Force, 4-5

Sea: Short Ground Sky: Bcz

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#6	6.9	6.0	+.02	6.92		
14	#6	6.4	7.0	+.02	6.42		
28	#2	6.9	6.0	+.02	6.92		

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	24m	1.30	138	
T1 - 1 ft #2 net	130 Pm	150		
T2 - 1 ft #2 net	130 Pm	150		

11—5314

NOTES

V1 approx. nothing

T1

T2 One hake approx. 40m
2 eggs.

Sea very rough

Chart No..... Date..... Pub. by .....

615

Station No. 9539 Date: Dec 9 1924

02.11

Hour: 2.20 P. M. to 2 45 P. M.

Position: Lat. 41-59-30 Long. 70-31-30

Locality: Off Plymouth Bay

Depth: 38 m Bottom: Sample:

Wind: Direction, WxN Force, 4

Sea: Ground Swell Sky: Bcz 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 2	6.8	7.0	0	6.8		
18	# 6	6.8	7.5	+.02	6.82		
36	# 2	6.7	7.0	0	6.7		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Under lee of Land much smoother

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1	33m	220		
T1 - 1ft #2 net		225	245	
T2 1ft #2 net		225	245	

11—5314

NOTES

V1 2 eggs noted
Few young fish approx 5m
Pollock?

T1, 4 Hake approx 30-40mm

T2. few eggs

Sea rough

Chart No..... Date..... Pub. by .....

615

Station No. 9540 Date: Dec 9 1914

02,10

Hour: 3.05 P.M. to 2 25 P.M.

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

Locality: Off Rocky Pt.

Depth: 37m Bottom: Sample:

Wind: Direction, WxN Force, 4

Sea: Ground Swell Sky: Bcz 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0m	#2	6.9	7.0	0	6.9		
18	#6	6.9	7.0	+.03	6.93		
36	#2	7.1	7.0	0	7.1		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Under lee of land sea much smoother.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
V1m	32m	3.05		
T1-1ft #2 net T2 1ft #2 net		3.05	3.25	

11—5314

NOTES

V1m Few fish 4mm approx, few eggs

T1-1ft #2 2 Herring 15mm
Few young fish
Few eggs

T2-1ft #2 1. Hake approx 10mm

Plankton abundant

Chart No. ..... Date. ..... Pub. by .....

615

Station No. 9541 Date: Dec 9 1924

02.09

Hour: 4.07 P. M. to 4.25 . M.

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

Locality: off Indian Hill

Depth: 30 M Bottom: Sample:

Wind: Direction, WXN Force, 2-3

Sea: Short Ground Sky: Bcz-4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	6.3	6.0	+.01	6.31		
14	#6	6.7	7.0	+.03	6.73		
28	#2	6.1	6.0	0	6.1		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: observe

11—5314

Lima formosa an enemy of young fish,
In Bottle one gathered 5 post larval herring
30-40 m.m. on its manubrium in a few minutes.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1	25M	4.10	"	
T1 1ft #2		405	425	
T2 1ft #2		405	425	

11—5314

NOTES

V1. many eggs - cod?

T1 eggs quite abundant.

TII 12 Herring in this net, none in T1
(Two 1ft nets towed same time, at same speed from stern (exist more than 10 yr apart.
Several Siphonophore

615 Chart No. ..... Date..... Pub. by .....

Station No. 9542 Date: Dec 9 1924

02.07

Hour: 600 P.M. to 640 P.M.

Position: Lat. 41-49-15 Long. 70-11.30

Locality: Off Billingsgate Shoal

Depth: 14 m Bottom: Sample:

Wind: Direction, WxN Force, 3-4

Sea: Ground Swell Sky: Cloudy 3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 2	6.3	6.0	-.01	6.29		
6	# 6	6.3	7.0	+.02	6.32		
12	# 2	6.3	7.0	-.01	6.29		

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 1	10m			
T 1-1 H #2 net		600	PM 628	
T2-1 H #2 net				

11—5314

NOTES

V
T2 few eggs

T1 1 Herring 50-60m 1 egg

3 Beroia
2 ~~[illegible]~~ Zima

615 Chart No. ..... Date..... Pub. by .....

Station No. 9543 Date: Dec 11 1924

02.05 A

Hour: 6.20 A.M. to .M.

Position: Lat. Long.

Locality: Near Long Pt. Pitown

Depth: 32 m Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.5	4.5	0	4.5		
15	#6	5.4	6.0	-05	5.35		
30	#2	5.5	5,	+01	5.51		

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/m	27m	6.20 AM		
T1				
T#				

11—5314

NOTES

Chart No..... Date..... Pub. by .....

615

Station No. 9543 Date: Dec 11 1924

Hour: 6.55A.M. to 7.20 A.M.

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

Locality: Off Woodend Lt.

Depth: 43 m Bottom: Sample:

Wind: Direction, N Force, 1-2

Sea: Ground Swell Sky: Bar 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	5.3	5.0	+.01	5.31		
20	#6	5.4	5.5	+.03	5.43		
40	#2	5.3	5.5	0	5.3		

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	38m	700		
T1 1ft #2 net		200	720	
T2. 1ft #2 net		700	720	

11—5314

NOTES

V1/m few eggs.

T1 few eggs

T2

Plankton scarce.

Chart No..... Date..... Pub. by .....

615

Station No. 9544 Date: Dec 11 1924

Hour: 8.24 02.04 . M. to 9 AM . M.

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

Locality: off Race Pt

Depth: 65 m Bottom: Sample:

Wind: Direction, N Force, 1-2

Sea: Ground Swell Sky: Bay 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	6.7	6.5	0	6.7		
31	#6	6.4	7.0	+.02	6.42		
62	#2	6.9	7.0	0	6.9		

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	60 m	8 AM 34		
T1 1ft x 2		8 40	9 AM	
T2 1ft x 2		8 40	9 AM	

11—5314

NOTES

V1 Eggs very abundant

T1 many eggs

T2 many eggs

Tide setting in Bay to South

Chart No..... Date..... Pub. by .....

615

Station No. 9545 Date: Dec 11 1924

02.03

Hour: 9.30 A. M. to 9.55 A. M.

Position: Lat. 42-09-30 Long. 70-19-30

Locality: End Stellwagen Bank

Depth: 28 m Bottom: Sample:

Wind: Direction, NNW Force, 1-2

Sea: Long Swell Sky: 0c 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 2	6.5	6.5	0	6.5		
13	# 6	7.45	7.0	+.05	7.50	?	
24	# 2	6.55	6.5	0	6.55		

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	
V/m	23m	9.35		
T/ 1ft X 2		935A	955	
T2 1ft X 2		935A	955	

11—5314

NOTES

V/ many eggs.

T/ many eggs

T2 many eggs

615 Chart No..... Date..... Pub. by .....

Station No. 9546 Date: Dec 11 191 24

Hour: 10,30 A.M. to 11.05 A.M. 02,02

Position: Lat. 42° 12' Long. 70-23-36

Locality: Near Stellwagen Bank

Depth: 68m Bottom: Sample:

Wind: Direction, NW Force, 1-2

Sea: Good Sky: BCG

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	6.75	6.5	+.01	6.76		
33	#6	6.75	7.0	+.04	6.79		
44	#2	6.85	6.5	0	6.85		

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/m	63	10.35 AM	1040	
T1 1st #2 net		1043	1105	
T2 1st #2 net		1045	1105	

11—5314

NOTES

V/m Many eggs

T1

T2

Chart No..... Date..... Pub. by .....

615

Station No. 09547 03.17 Date: Dec 16 1924

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

Position: Lat. 42-18-15 Long. 70-44 —

Locality: Off Minots Lt

Depth: 34 m Bottom: Sample:

Wind: Direction, W N W Force, 2

Sea: Smooth Sky: Bcg 3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	5.15	5.0	0	5.15		
16	#4	5.3	5.0	+.04	5.34		
32	#2	5.2	5.0	0	5.2		

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,	29m	7.55 Am		
T1 = 1ft X 2		8 Am	820	
T2 = 1ft X 2		8 Am	820	

11—5314

NOTES

T1 - 1 Hake approx. 40 mm
Several eggs cod.?
T2 several eggs. 1 Herring 25 mm

Chart No. ..... Date ..... Pub. by .....

615

Station No. 9548 03.18 Date: Dec 16 1924

Hour: 9.36 A .M. to 10.05 AM. M.

Position: Lat. 42-15-20 Long. 70-22-20

Locality:

Depth: 63 m Bottom: Sample:

Wind: Direction, NNW Force, 2

Sea: Short Ground Sky: Bcz 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	5.4	5.5	0	5.4		
30	#6	5.45	5.0	+.04	5.49		
60	#2	5.45	5.0	0	5.45		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Two days previous this trip was heavy WNW gales.

21—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
V1	60M	9.40 AM		
T 1 = 1ft X 2 net		945	1005	
T 2 = 1ft X 2		945	10.05	

11—5314

NOTES

V1 sorted Beroë 1 egg noted

T1 Calanus abundant

T2 - 1ft 3 Herring 30 mm approx

Few egg (2 cod) & Pollock

Sea choppy.

Chart No. ..... Date: ..... Pub. by .....

615

Station No. 9549 Date: Dec 16 1924

Hour: 11.05 A. M. to 11 30 K. M. 03.02

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

Locality:

Depth: 58 m Bottom: Sample:

Wind: Direction, NNW Force, 1-2

Sea: Ground Sky: Bey 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	5.95	6.0	0	5.95		
28	#6	5.95	6.0	+.03	5.97		
56	#2	5.95	6.0	0	5.95		

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	53	11.05		
T 1-1ft #2 net		11.10	1130	
T2-1ft #2 net		1110	1130	

11—5314

NOTES

V1 many young fish
5mm - few eggs pickaps
pollock.

T 1 few eggs

T 2. few eggs
Calanus abundant
Sea Choppy

Chart No..... Date..... Pub. by .....

615

Station No. 9550 Date: Dec 16 24 191

03.05

Hour: 12 35 P. M. to 1 10 P. M.

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

Locality: Off Wood End

Depth: 43m Bottom: Sample:

Wind: Direction, W NW Force, 1-2

Sea: Smooth Sky: Ocz

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.6	5.0	-0	4.6		
21	#4	4.9	5.0	+.03	4.93		
42	#2	4.25	4.0	+.01	4.26		

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	38m	12.40		
T1 - 1st & 2nd		1250	1.10	
T2 " " "		1250	1.10	

11—5314

NOTES

V1m 1 fish about 7mm
few eggs.

T1 calanus very abundant
T2 " " "

T1 one fish sized about 5mm

Sea smooth

Chart No..... Date..... Pub. by .....

615

Station No. 9551 Date: Dec 16 1924

03.06

Hour: 150 P. M. to 217 . M.

Position: Lat. 41.55.30 Long. 70-09-30

Locality: Off Wellfleet Cape Cod

Depth: 27m Bottom: Sample:

Wind: Direction, NNW Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	5.2	5.0	.0	5.2		
13	#6	5.3	5.0	+.04	5.34		
26	#2	4.7	5.0	0	4.7		

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	
V1m	22m	1.53		
T1 1st #2 net		1.57 Pm	2.17	
T2 1st #2 net		1.57 Pm	2.17 P	

11—5314

NOTES

Chart No..... Date..... Pub. by .....

G15

Station No. 9552 03.07 Date: Dec 16 1924

Hour: 3.07 P.M. to 330 P.M.

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

Locality: End Bellingsgate Shoal

Depth: 15m Bottom: Sample:

Wind: Direction, SW 3 Force, 1-2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 2	4.25	4.0	+.01	4.26		
7	# 6	4.4	4.0	+.03	4.43		
14	# 2	4.25	4.0	+.01	4.26		

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	10 m	3.07		
T1	310 P	330		
T2	310 Pm	330 Pm		

11—5314

NOTES

Sea smooth.

Chart No. ..... Date ..... Pub. by .....

615 9553

Station No. 0309 Date: Dec 16 191 24

Hour: 4 55 P. M. to 5 25 P. M.

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

Locality: Off Indian Hill

Depth: 35 m Bottom: Sample:

Wind: Direction, SW Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	N 2	4.9	4.5	+01	4.91		
17	L 6	4.9	5.0	+.03	4.93		
34	N 2	4.4	4.5	+.01	4.41		

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	30m	4.55		
T1-16ft 12 net		505	5,25	
T2-16ft 12 net		505	525	

11—5314

NOTES

V

T2 one Herring 25m approx

T1

Chart No. ..... Date ..... Pub. by .....

615

9554

Station No. 03.10 Date: Dec 17 1924

Hour: 6.25 A.M. to 6.50 A.M.

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

Locality: Rocky Pt

Depth: 38 m Bottom: Sample:

Wind: Direction, SSW Force, 1-2

Sea: Smooth Sky: Bcy 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 2	5.4	5.0	+.01	5.41		
18	# 6	5.45	6.0	+.02	5.47		
36	# 2	5.9	6.0	0	5.90		

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	
Vim	33	6.25		
T1. left #2 net		630 A	650 Am	
T2 " " " "		"	"	

11—5314

NOTES

Vim

Chart No. ..... Date ..... Pub. by .....

615 9555

Station No. 03.11 Date: Dec 17 1924

Hour: 7.10 A.M. to 7.35 A.M.

Position: Lat. 41-59-30 Long. 70-21-30

Locality: N Plymouth Bay

Depth: 37m Bottom: Sample:

Wind: Direction, SSW Force, 1-2

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	5.4	5.5	0	5.4		
18	6	5.9	6.0	+.03	5.93		
34	2	6.1	6.0	0	6.1		

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	32 m			
		AM	AM	
T1 1 ft #2 net		715	735	
T2 1 ft #2 net		715	735	

11—5314

NOTES

Chart No..... Date..... Pub. by .....

615

Station No. 9554 03.12 Date: Dec 17 1924

Hour: 7.55 A. M. to 8.15 A. M.

Position: Lat. 42 01-15 Long. 70-32

Locality: Off Gurnet Pt

Depth: 28m Bottom: Sample:

Wind: Direction, SSW Force, 1-2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	5.6	5.5	0	5.6		
13	#6	5.6	6.0	+.02	5.62		
26	#2	6.05	6.0	0	6.05		

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	
		AM		
V1	23 m	7.55		
T1 1 ft #2 net		7.55	815	
T2-1 ft #2 net		7.55	815	

11—5314

NOTES

Rain — Sea smooth

T1-T2 many jellyfish

615 Chart No. 9557 Date..... Pub. by .....

Station No. 03,13 Date: Dec 17 1924

Hour: 8,40 A.M. to 905 A .M.

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

Locality: Off High Pine Ledge

Depth: 25 m Bottom: Sample:

Wind: Direction, SW Force, —

Sea: Smooth Sky: Ocz R

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 5	5.8	7.0	-.02	5.78		
12	# 6	5.8	6.0	+.03	5.83		
24	# 2	5.35	5.5	0	5.35		

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	
Vim	20	8.40		
T1 1ft #2 net		8,45	905	
T2 1ft #2 net		845	905	

11—5314

NOTES

Rain Sea smooth
Few Cod. eggs noted in
T1, T-2,

615 Chart No ..... Date..... Pub. by .....

Station No. 9558 Date: Dec 17 1924

03.14

Hour: 920 A. M. to . M.

Position: Lat. 42-05 Long. 72-35

Locality: Off Farnham Rock

Depth: 22 m Bottom: Sample:

Wind: Direction, SW Force, 2

Sea: Smooth Sky: Ocf R

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	# 2	4.6	5.5	-01	4.59		
11	# 6	4.5	5.5	+.01	4.51		
22	# 2	4.2	4.5	0	4.2		

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	17M	9.23		
T1 1ft #2 net		9.27	9.43	
T2 1ft #2 net		9.27	9.43	

11—5314

NOTES

V1 Plain Pleurobrachia few.

T1 Mnemiopsis. few

T2 " "

615 Chart No..... Date..... Pub. by .....

Station No. 9559 Date: Dec 17 1924

Hour: 10-30 A. M. to 03.15 . M.

Position: Lat. 42 09-30 Long. 71-38-15

Locality: Off Humarock ledge

Depth: 22 m Bottom: Sample:

Wind: Direction, SW Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.25	4.0	+.01	4.26		
10	#6	4.25	6.3	0.0	4.25		
20	#2	4.25	4.5	0	4.25		

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	
V 1m	17m	1034		
T1 1ft #2 net		1030	1050	
T2 1ft #2 net		1030	10.36	

11—5314

NOTES

615 Chart No ..... Date ..... Pub. by .....

Station No. 9560 Date: Dec 17 1924

03.16

Hour: 11.33 A. M. to 11.56 A. M.

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

Locality: Off Cedar Pt

Depth: 28 m Bottom: Sample:

Wind: Direction, SW Force, 2

Sea: Smooth Sky: Ocfc.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	3.8	4.0	0	3.8		
13	#6	4.5	6.0	-.00	4.50		
26	#2	4.8	5.0	0	4.8		

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	23m	11.35	Am	
T1		11.36	11.56	
T		11.36	11.56	

11—5314

NOTES

V

Rain.

615 Chart No. ..... Date..... Pub. by .....

Station No. 9561 Date: Dec 22 1924

Hour: 8 am 0417 . M. to 834 . M.

Position: Lat. 42-18-15 Long. 70-44

Locality: Off Minots Ledge Lt.

Depth: 38 m Bottom: Sample:

Wind: Direction, SW Force, 2-3

Sea: Ground Swell Sky: Cly

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.9	4.9	0	4.9		
19	#6	4.5	4.5	+.03	4.53		
35	#2	4.5	4.5	0	4.5		

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
✓	33m	805	Am 805	
T1 1ft & 2 net		810	830	
T2 1ft & 2 net		810	830	

11—5314

NOTES

Anchor frost arisen from surface of the Sea

Many ctenophors also many syphonophores

615

Station No. 9562 Date ..... Pub. by .....

Date: Dec 22 1934

Hour: 0418 927 . M. to 955A . M.

Position: Lat. 42-18-20 Long. 70 32 30

Locality:

Depth 63 m Bottom: Sample:

Wind: Direction, W-S Force, 3

Sea: Ground S Sky: Cy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.5	5.0	+.01	4.51		
32m	#6	5.0	5.0	+.03	5.03		
63m	#2	4.5	5.	0	4.5		

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	60 m			
T1		935	930	
T2				

11—5314

NOTES

Sea choppy, anchor frost

T2 reverse Tomopteris and young fish about 10 mm (Rockling?)

615 Chart No. 7563 Date..... Pub. by .....

Station No. 04.02 Date: Dec 22 1934

Hour: 10.50 . M. to 11.10 A . M.

Position: Lat. 42-12 Long. 70 22-30

Locality: W

Depth: 66 m Bottom: Sample:

Wind: Direction, W x S Force, 3

Sea: Ground Swell Sky: Ocz

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.9	5	0	4.9		
33 m	#6	4.6	5	+.02	4.62		
64 m	#2	4.9	5	0	4.9		

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	60 m			
T1	15	1050	11,10	
T2		1050	11,10	

11—5314

NOTES

V1 many Bolsia
1 Fish noticed about
9 mm.

T1 few eggs
T2 Choppy sea

615 Chart No. ..... Date ..... Pub. by .....

Station No. 09564 04.05 Date: Dec 22 1934

Hour: 12 50 P. M. to 1.25 P. M.

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

Locality: Wood End Cape Cod

Depth: 43 m Bottom: Sample:

Wind: Direction, WXS Force, 3

Sea: Ground Swell Sky: 0CS

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	~~X~~ 2	4.5	3.5	0	4.5		
2 Ozm	~~X~~ 6	4.9	3.9	+.05	4.95		
~~40~~ 2m	~~X~~ 2	4.5	3.0	+.03	4.53		
			3.5				

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
✓	35 m			
T1 1st x 2nd		105	1.25	
T2 1st		105	1.25	

11—5314

NOTES

Snow squalls. Choppy sea

T2. 3 Hake approx 40 mm
1 Herring " 30 " "
T1 2 " " 30 " "

Chart No. 9565 Date..... Pub. by .....

615

Station No. 0406 Date: Dec 22 1924

Hour: 1 00 P. M. to 2 30 P. M.

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

Locality: Wellfleet Cape Cod

Depth: 2 9m Bottom: Sample:

Wind: Direction, WNW Force, 3

Sea: Ground Swell Sky: 0C 8

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.9	3.8	+.04	4.94		
14	#6	4.5	3.5	+.05	4.55		
28	#2	4.8	3.5	+.03	4.83		

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	24m			
T1 1ft #2 net		2 10	2 30	
T2 1ft #2 net		2 10	2 30	

11—5314

NOTES

Snow - Choppy

T1 Calanus many

T2 2 Hyper 45 m n
Calanus many

Station .07 omitted
weather rough weather Snowing

615 Chart No. 9566 Date..... Pub. by .....

Station No. 04.09 Date: Dec 22 1931

Hour: 425 P.M. to 450 P.M.

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

Locality: Off Indian Hill

Depth: 34m Bottom: Sample:

Wind: Direction, W Force, 3-4

Sea: Smooth Sky: Bc 37

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.8	5	0	4.8		
17m	#6	4.8	5	+.03	4.83		
34m	#2	4.8	5	0	4.8		

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	29m			
T1		430	4,50 Pm	
T2		430	450	

11—5314

NOTES

T2 1 Hammy 40 min
Few eggs

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Chart No. ..... Date ..... Pub. by .....

615 9567

Station No. 04.10 Date: Dec 22 1924

Hour: 535 A. M. to 600 P. M.

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

Locality: Off Rocky Pt.

Depth: 38 m Bottom: Sample:

Wind: Direction, W Force, 3

Sea: Ground Sky: Bcy 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.6	45	+.01	4.61		
19	#6	4.6	45	+.03	4.63		
37	#2	4.8	45	+.01	4.81		

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	
✓1	33 m			
T. 1, 1 ft X 2 net		5.40	6 Pm	
T 2 1 ft X 2 net		5 40	6 PM	

11—5314

NOTES

T 1

T 11 One Liparis 2, 15 mm

Much eel grass in T 1 and T 2

Chart No..... Date..... Pub. by .....

615 9568

Station No. 024, 11 Date: Dec 23 191

Hour: 612 A. M. to 640 A. M.

Position: Lat 41-59 30 Long. 70-31-30

Locality: Off Plymouth

Depth: 37 m Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#2	4.5	4.5	0	4.5		
18	#6	4.6	4.5	+.03	4.63		
35	#2	4.6	4.5	0	4.6		

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	32			
		Am		
T1		620	640	
T2		620	640	

11—5314

NOTES

Chart No..... Date..... Pub. by .....

615 9569

Station No. 0412 Date Dec 23 1924

Hour: 6 53 A.M. to 7.30 A.M.

Position: Lat. 42-01-15 Long. 70-33-00

Locality: Gurnet Point

Depth: 32 Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	2						
16	46	4.6	45	+.03	4.63		
31	42	3.5	3.5	+01	3.51		

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	27			
T1 #1 net		710	730	
T2 #2 net		710	730	

11—5314

NOTES