7.H.9666-9710

XII - XIV

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 9666 to 9710

615

DEPARTMENT OF COMMERCE

BUREAU OF FISHERIES

RECORD OF DREDGINGS

Thermometers:

#1 = B.S 23473
#6 = B.S 23474
#2 = B.S 11499
#5 = B.S. 23472

σ_0 = Density at zero

CL = Chlorine Content.

S = Salinity in grams ‰

n = Coefficient of compressibility.

σ_{tS} = Density at temperature in situ (without compressibility)

Δ = Density at temperature in situ plus "n".

Nets.

T1 = 1 ft. #2 silk at surface

T2 = " " " " "

V1m = 1 meter dia, #2 silk at Vertical

TB 1m = 1 meter dia #00. Towing surface to Bottom.

TB/m made of Stramin top and screen bottom.

615 F.H. 9666

Station No. 12.16 Date: April 23, 1925

Hour: 2.35 P. M. to . M.

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

Locality:

Depth: 24 m Bottom: Sample:

Wind: Direction, NW Force, 1

Sea: Sm Sky: OCZ 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	5.7	-	-	5.70		
12	#6	5.10	7.0	0.0	5.10		
24	#2	4.58	5.0	0	4.58		

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	20 m	2.35		
T, A		2.50	3.10	
T, A		"	"	
T, m		"	"	

11—5314

NOTES

Depth	#	Read	Cor't	n	t
0	2080	23.20	+1.03	24.23	10.1
12	"	23.25	+1.03	24.28	9.5
24	"	23.40	+1.03	24.43	8.6

Depth	σ_0	S	σ_{t_s}	n	Δ
0	25.34	31.55	24.87	0	24.87
12	25.40	31.62	25.02	.06	25.08
24	25.44	31.66	25.10	.11	25.22

F.H. 9667

615

Station No. 12.17 Date: April 23 1925

Hour: 3.30 P. M. to . M.

Position: Lat. 42-18-15 Long. 70-44-00

Locality: Off Minots

Depth: 35 m Bottom: Sample:

Wind: Direction, NW Force, 2-3

Sea: Sm Sky: OCZ 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	5.6		-	5.6		
17	#6	5.15	8.5	-.02	5.13		
35	#2	4.62	6.0	-.02	4.60		

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	30	330		
T/H				
T/H				
TB/m				

11—5314

NOTES

Depth	#	Read	Corr	n	t
0	208	23.25	+1.03	24.28	9.4
17	"	23.40	+1.03	24.43	8.5
35	"	23.30	+1.03	24.33	8.5

Depth	σ0	S	σt	n	Δ
0	25.41	31.43	24.95	0	24.95
17	25.47	31.71	25.09	.08	25.17
35	25.36	31.54	25.02	.16	25.18

F.H. 9668

615

Station No. 13 AA Date: May 11 1925

Hour: 1.20 P.M. to 1.55 P.M.

Position: Lat. Long.

Locality: Chatham Gas Buoy.

Depth: 37m Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth.	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	6.90	—	—	6.90	✓	
18	#6	6.55	7.0	+.05	6.60		
36	#2	7.35	6.5	+.01	7.36		

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	35			
T1H	0			
T2 1H	0			
TB1m	0-8 fath	130	150	

11—5314

NOTES

Depth	Read	#	Const.	h	t
0	23.45	208	+1.03	24.48	11.7
18	23.45	"	+1.03	24.48	10.9
36	23.55	"	+1.03	24.58	10.9

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.96	32.31	25.33	0	25.33
18	25.81	32.12	25.24	.08	25.32
36	25.92	32.26	25.28	.16	25.44

V1m few egg. Cod-Haddock

T1 few
T2 few.

TB1m many eggs (Cod Haddock) few
Hippoglossoide plassasoide.

F.H 9669

615

Station No. BB Date: May 11 1925

Hour: 3.55 P.M. to 4.25 P.M.

Position: Lat. Long.

Locality: off Nauset Gas Buoy

Depth: 50 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	1398	7.30	-	-	7.30		
25	H6	4.90	7.5	-.02	4.88		
49	H2	3.45	5.0	-.02	3.43		

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	45 m	4.00		
T1	Surface	4.05	4.20	
T2				
TB1m	0-			

11—5314

NOTES

Depth	Read	#	Const.	h	t
0	22.90	208	+1.04	23.94	12.4
25	23.45	"	+1.03	24.48	10.0
49	24.45	"	+1.01	25.46	10.2

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.50	31.74	24.84	0	24.84
25	25.70	31.99	25.33	.12	25.45
49	26.72	33.24	26.48	.23	26.71

F. H 9670

615

Station No. CC Date: May 11 1925

Hour: 5.25 P. M. to . M.

Position: Lat. Long.

Locality: Off Highland Light

Depth: 45 Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	7.0	—	—	7.0		
22	#6	6.05	7.0	+.02	6.07		
44	#2	3.72	5.0	-.04	3.68		

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	40m	5.25		
T1 1ft	Surface	5.30	5.45	
T2 1ft	"	"	"	
TB1m	0-8			

11—5314

NOTES

Depth	Read	#	Corr	n	t
0	23.25	208	+1.03	24.28	11.4
22	23.15	"	+1.03	24.18	10.0
44	24.00	"	+1.02	25.02	9.3

Depth	σ_0	S	$\sigma_{t,s}$	n	Δ
0	25.52	31.76	24.80	0	24.80
22	25.34	31.56	24.84	.10	24.96
44	26.16	32.56	25.90	.20	26.10

TB1m one Herring. 2 inches long

7H967

615

Station No. X-34 Date: May 11 1925

Hour: 7.15 P. M. to . M.

Position: Lat. Long.

Locality:

Depth: 55m Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	7.15	-	-	7.15		
25	#4	5.0	6.0	+.01	5.01		
50	#2	3.48	4.5	-.02	3.46		

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	50m	7.20		
T1 1H	0	7.25	7.40	
T2 1H	0	"	"	
TB1m	0-8F	"	"	

11—5314

NOTES

Depth	Read	H	Const	h	t
0	23.15	208	+1.04	24.19	10.2
25	23.75	"	+1.02	24.77	8.9
50	24.15	"	+1.02	25.17	8.3
Depth	δ0	S	δ+S	n	Δ
0	25.34	31.55	24.70	0	24.70
25	25.83	32.15	25.45	.12	25.67
50	26.18	32.58	25.21	.23	25.46

7H9672

615

Station No. 13.17 Date: May 20 1925

Hour: 6.25A .M. to 7 AM .M.

Position: Lat. 42-18-15 Long. 70-44-00

Locality: Off Minots Ledge

Depth: 33m Bottom: Sample:

Wind: Direction, SSW Force, 1-2

Sea: Smooth Sky: Bcy 3

TEMPERATURES

Depth m	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1398	8.70	-	-	8.70		
16	6	5.00	6.5	00	5.00		
32	2	3.70	5.0	-.02	3.68		

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	28m	6.30		
T. 1 of #2				
T. 1 of #2				
TB 1m				

11—5314

NOTES

Depth	Read.	#	Corr.	n	t
0	23.00	208	+1.05	24.05	11.0
16	23.60	"	1.03	24.63	8.7
32	23.85	"	1.02	24.87	8.1

Depth	σ_0	S	σ_{+s}	72	Δ
0	25.39	31.60	24.53	0	24.53
16	25.68	31.94	25.30	.07	25.37
32	25.87	32.20	25.41	.15	25.76

T

7H9673

615

Station No. 13.16 Date: May 20 1925

Hour: 7.40 A.M. to 8 00 A.M.

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

Locality: Cedar Point

Depth: 26 m Bottom: Sample:

Wind: Direction, SSW Force, 1-2

Sea: Smooth Sky: 13 Cy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	8.40	–	–	8.40		
13	#6	8.60?	8.5	+.04	8.64	?	
26	#2	8.50?	7.5	+.02	8.52	?	

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	21m	7.40		
T1 #2 T2 #2		7.40	8.0 am	
TR 1m	0.8 fath			

11—5314

NOTES

Depth	#	Read.	Const.	W	t
0	208	22.80	+1.04	23.84	11.3
13	"	22.95	+1.04	23.99	11.1
26	"	22.80	+1.04	23.84	11.3
Depth	σ_0	S	σ_{ES}	n	Δ
0	25.22	31.39	24.40	0	24.40
13	25.34	31.55	24.50	.06	24.56
26	25.22	31.39	24.40	.12	24.52

?

T1 several fish (Herring)?
many Tina formosa.

7H9674

615

Station No. 13.18A Date: May 20 1925

Hour: 9.15A .M. to 950 A .M.

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

Locality:

Depth: 80 m Bottom: Sample:

Wind: Direction, SSW Force, 2-3

Sea: Smooth Sky: 3c 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	8.15	-	-	8.15		
40	# 6	3.70	5.0	+.01	3.71		
80	#	3.10	4.5	-.02	3.08		

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	920	925	
T1 1 ft	9.30A		950	
T2 1 ft	9.30A		950A	
TB1m	9.30A		950A	

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.75	+1.04	23.79	12.2
40	"	23.70	+1.02	24.72	10.0
80	"	23.70	+1.02	24.72	10.4

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.31	31.50	24.56	0	24.53
40	25.94	32.29	25.68	.18	25.86
80	26.02	32.38	25.81	.37	26.18

V1m Calanus abundant, few Hippoglossoid P. eggs

T1H – Several young fish

7H9675

615

Station No. 13.14 Date: May 20 1925

Hour: 11.20 A.M. to 11 50 A.M.

Position: Lat. 42-05-00 Long. 70-35-00

Locality: Off Farnham Rock

Depth: 20 m Bottom: Sample:

Wind: Direction, SSW Force, 1-2

Sea: Smooth Sky: Bcg

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	8.8	-	-	8.80		
10	#6	8.8	9.0 ?	+.04	8.84		
20	#2	4.71	6.0	-.02	4.69		

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	15 m	1125		
T1 - 1ft #2		1130	1150	Am
T2, 1ft #2		1130	1150	
TB 1 m		1130	1150	
Beam Trawl, 1/2 meter inside.				

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.80	+1.04	23.84	12.3
10	"	–	–	–	–
20	"	23.45	+1.02	24.47	9.5
Depth	σ_0	S	σ_{ts}	n	Δ
0	25.37	31.58	24.49	0	24.49
10	–	–	–	–	–
20	25.61	31.87	25.02	.09	25.29

TB 1 m, about one half pail of Tinca formosa

7H9676

615

Station No. 13.10 Date: May 20 1915

Hour: 1.40 P.M. to 2.15 P.M.

Position: Lat. 41-38.00 Long. 70-30-15

Locality: Off Rocky Point

Depth: 35m Bottom: Sample:

Wind: Direction, SSW Force, 3

Sea: Short Chop Sky: BC 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	9.0	–	–	9.00		
17	#6	5.12	6.0	+.02	5.14		
34	#2	4.01	5.5	-.02	3.99		

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 1m	30m	1.45		
T1 1ft #2		155P	215P	
T2, 1ft #2		155	215	
TB 1m		"	"	

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.95	+1.03	23.98	12.2
17	"	23.25	+1.02	24.27	9.0
34	"	23.65	+1.02	24.67	8.2

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.52	31.76	24.62	0	24.62
17	25.36	31.56	24.96	.08	25.04
34	25.65	31.92	25.37	.15	25.52

TB 3 qts Tuna formosa

7H9677.

615

Station No. 13.06A Date: May 20 1925

Hour: 3.15 P.M. to 3.50 .M.

Position: Lat. 41.56.00 Long. 70-18-30

Locality: Off Fishing Bank.

Depth: 35 Bottom: Sample:

Wind: Direction, SSW Force, 2-3

Sea: Smooth Sky: Bcz 3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	10.2	-	-	10.2		
17	#6	9.05	10.02	+.03	9.08	2	
34	#2	4.65	6.5	-.03	4.62		

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	30m	3.10PM		
T1 1 bt x2		330P	350P	
T2 1 bt x2				
TB1m		330P	350P	

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.80	+1.04	23.84	12.8
17	"	22.75	+1.04	23.79	11.7
34	"	23.45	+1.03	24.48	9.3
Depth	σ_0	S	σ_{ts}	n	Δ
0	25.49	31.73	24.39	0	24.39
17	25.26	31.44		.08	
34	25.62	31.89	25.27	.15	25.42

F.H. 9678

615

Station No. 13.07 Date: May 20 1925

Hour: 445 P. M. to 520 P. M.

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

Locality: Billingsgate Shoal

Depth: 12 m Bottom: Sample:

Wind: Direction, SSW Force, 3-4

Sea: Smooth Sky: BC 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	11.0	-	-	11.0		
6	#6	10.92	11.0	+.04	10.96		
12	#2	10.92	10.8	00	10.92		

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	7M	4.45Pm		
T1 1st #2		5Pm		
T2 1st #2		5Pm	520	
TB 1m		5Pm	520P	

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.95	+1.03	23.98	12.4
6	"	22.90	+1.03	23.93	12.1
12	"	22.85	+1.03	23.88	12.2
Depth	σ_0	S	σ_{ts}	n	Δ
0	25.57	31.82	24.33	0	24.33
6	25.46	31.69	24.23	.03	24.26
12	25.42	31.64	24.19	.06	24.25

F.H. 9679

615

Station No. 13.06 Date: May 20 1925

Hour: ~~5.55~~ P.M. to 6.20 P.M.

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

Locality: Off Wellfleet,

Depth: 30 m Bottom: Sample:

Wind: Direction, SSW Force, 3-4

Sea: Short chop Sky: BCg 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	10.2	~~0.0~~	~~0.0~~	10.2		
15	#6	9.92	10.7	+.03	9.95		
30	#2	9.84	7.5	+.04	9.88		

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		6.00 PM.		
T1 #2				
T2 #2		610	620	
TB 1 m				

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.55	+1.04	23.59	13.9
15	"	22.65	+1.04	23.69	13.6
30	"	22.95	+1.03	23.98	12.2
Depth	σ_0	S	$\sigma_{t,s}$	n	Δ
0	25.41	31.63	24.31	0	24.31
15	25.43	31.65			
30	25.53	31.78			

~~clear water~~

F.H. 9680

615

Station No. 13.04 Date: May 21 1925

Hour: 5.50 A.M. to 6.32 A.M.

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

Locality: Off Race Point

Depth: 60 m Bottom: Sample:

Wind: Direction, S. Force, 2-3

Sea: Smooth Sky: Bcy 6

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1398	9.8	-	-	9.8		
30	#6	3.84	6.0	-.01	3.83		
60	#2	3.24	5.5	-.04	3.20		

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_{1m}	55m	5.55AM		
T1 1ft #2		6.15A	6.35A	
T2 1ft #2		"	"	
TB 1ft #2	0-10 feet	6.15A	6.35A	

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.95	+1.03	23.98	12.0
30	"	23.90	+1.02	24.92	8.8
60	"	24.00	+1.02	25.02	8.0
Depth	σ_0	S	σ_{ts}	n	Δ
0	25.37	31.58	24.33	0	24.33
30	26.00	32.34	25.73	.14	25.87
60	25.99	32.35	25.77	.28	26.05

~~Very~~ T1 1ft #2 three young fish

F.H. 9681

615

Station No. 13.03 Date: May 21 1925

Hour: 7.00A .M. to 7.58A .M.

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

Locality: Stellwagen Bank

Depth: 30m Bottom: Sample:

Wind: Direction, S Force, 2-3

Sea: Smooth Sky: Bcy 6

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	8.5	--	~~8.5~~	8.50		
15	#6	8.10	8.0	+.04	8.14		
30	#2	5.18	7.0	-.03	5.15		

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 1 m	25 m	7.05 A		
T 1 1 ft #2		7.30 A	7.50 A	
T 2 1 ft #2		"	"	
T B 1 m	0, -10 fathoms			

11—5314

NOTES

Depth	H	Reach	Const	n	t
0	208	22.90	+1.03	23.93	11.0
15	"	22.95	+1.03	23.98	10.2
30	"	23.25	+1.02	24.27	9.3

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.29	31.47	24.47	-	24.47
15	25.20	31.36	24.44	.07	24.51
30	25.38	31.59	24.98	.14	25.12

F.H. 9682

615

Station No. 13.34 Date: May 21 1925

Hour: 9.15 A.M. to 9.52 A.M.

Position: Lat. 42-07-45 Long. 70-06-30

Locality: East of Stellwagen Bank

Depth: 56 m Bottom: Sample:

Wind: Direction, SW Force, 2-3

Sea: Smooth Sky: 3 cy 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	9.0	—	—	9.0		
28	#6	4.30	6.0	.08	4.30		
56	#2	3.33	4.6	-.02	3.31		

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	51m	9.20 4m		
T1		930	950A	
T2		"	"	
T3 1m		"	"	

11—5314

NOTES

Depth	#	Read.	Const.	h	t
0	208	22.95	+1.03	23.98	11.4
28	"	23.70	+1.02	24.72	10.0
56	"	23.80	+1.02	24.82	9.6
Depth	σ_0	S	σ_{ts}	n	Δ
0	25.38	31.59	24.48	0	24.48
28	25.94	32.29	25.62	.13	25.75
56	26.00	32.36	25.39	.26	25.65

F.H-9683

615

Station No. 13,33 Date: May 21 1925

Hour: 10.55 A.M. to 12 15 P.M.

Position: Lat. 42-15-30 Long. 70-10-30

Locality:

Depth: 50 m Bottom: Sample:

Wind: Direction, SW Force, 2-3

Sea: Smooth Sky: Bay 4

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	8.3	—	—	8.3		
25	#6	5.02	5.7	+.02	5.04		
50	#2	3.30	4.5	-.02	3.28		

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	45m	11.00		
T1 1st # —		11.20	11.40	
T2 1st # —		"	"	
TB 1m.	0-8	11.20	1140	
Beam trawl —		11.40	1215	

11—5314

NOTES

Depth	#	Read.	Corr.	Tw	t
0	208	23.05	+1.03	24.08	11.5
25	"	23.85	+1.02	24.87	8.6
50	"	24.15	+1.01	25.16	8.0
Depth	σo	S	σts	r	Δ
0	25.50	31.74	24.68	0	24.68
25	25.92	32.24	25.54	.11	25.65
50	26.13	32.52	25.91	.23	26.14

TB 1m net torn on bottom full of sand.

7H9684

615

Station No. 13.32 Date: May 21 1925

Hour: 1255 P. M. to 140 P. M.

Position: Lat. 42-20-30 Long. 70-15-30

Locality:

Depth: 72 Bottom: Sample:

Wind: Direction, SSW Force, 3

Sea: Smooth Sky: Bcy 3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	9.2	-	-	9.2		
35	#6	3.40	5.2	00	3.40		
70	#2	3.10	4.0	-.01	3.09		

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	67m	1.00PM		
T1 1 ft #2	0	1.25	140	
T2 1 ft #2	0	"	"	
TB1m	0-8 fath	"	"	

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.90	+1.03	23.93	12.0
35	"	24.00	+1.01	25.01	8.4
70	"	24.10	+1.01	25.11	8.4

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.44	31.66	24.50	0	24.50
35	26.04	32.41	25.77	.16	25.93
70	26.16	32.56	25.95	.32	26.27

F.H. 9685

615

Station No. 13.31 Date: May 21 1925

Hour: 2.25 P.M. to 3.15 P.M.

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

Locality:

Depth: 162 m Bottom: Sample:

Wind: Direction, SSW Force, 3

Sea: Smooth Sky: BCy 3

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	9.4	-	-	9.4		
81	#6	3.12	5.0	00	3.12		
162	#2	3.12	4.50	-.02	3.10		

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	157m	2.35		
T1 16 #2	0	3.00 Pm	3.15 Pm	
T2 16 #2	0	"	"	
TB 1m	0-8 fath.	3.05	3.15	

NOTES

11—5314

Depth	#	Read.	Corr.	n	t
0	208	22.55	+1.04	23.59	12.3
81	—	—	—	—	—
162	"	24.25	+1.01	25.26	7.6
Depth	σ_0	S	$\sigma_{t,s}$	n	Δ
0	25.13	31.27	24.17	0	24.17
81	—	—	—	—	—
162	26.19	32.59	25.98	.75	26.73

TB 1m

F.H. 9686

615

Station No. 13.30 Date: May 21 1925

Hour: 4.10 P. M. to 4 45 P. M.

Position: Lat. 42-38-00 Long. 70-25-15

Locality:

Depth: 58 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	1398	9.4	-	-	9.40		
25	#6	3.50	5.0	+.01	3.51		
50	#2	3.31	4.5	-.01	3.30		

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
V, m	53 m.	4.10		
T1 1 H X 2				
		4.30 pm	4.45 pm	
T2 1 H X 2		"	"	
T B 1 m	0 to 8 fath.	4.30	4.45 pm	

11—5314

NOTES

Depth	#	Read.	Const.	n	t
0	208	22.45	+1.04	23.49	12.2
25	"	23.85	+1.02	24.87	8.3
50	"	23.85	+1.02	24.87	8.3

Depth	σ_0	s	σ_{ts}	n	Δ
0	25.00	31.11	24.05	0	24.05
25	25.88	32.21	25.65	.11	25.76
50	25.88	32.21	25.66	.23 ~~.23~~	25.89

F.H. 9687

615

Station No. 1329 Date: May 21, 1925

Hour: 5.35 P. M. to . M.

Position: Lat. 42-38-00 Long. 70-33-30

Locality: Off Cape Ann, Massachusetts.

Depth: 65 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	1398	7.1	-	-	7.1		
32	#6	3.37	4.5	+.01	3.38		
64	#2	3.22	4.0	-.01	3.21		

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
V 1 m	60 m	5.40 PM		
T1 1st #2				
T2 1st #2				
T3 1 m	0 – 8 fath			

11—5314

NOTES

Depth	#	Read.	Corr.	h	t
0	208	23.10	+1.03	24.13	9.6
32	"	24.30	+1.01	25.31	7.2
64	"	24.20	+1.01	25.21	7.0
Depth	σ_0	S	$\sigma_{t,s}$	η	Δ
0	25.26	31.44	24.62	0	24.62
32	26.20	32.61	25.97	.15	26.12
64	26.05	32.42	25.84	.30	26.14

F.H. 9688

615

Station No. 13.35 Date: May 21 1925

Hour: 6.55 P.M. to 7.15 P.M.

Position: Lat. 42-24-30 Long. 70-38 W

Locality: Eastern Point

Depth: 44m Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1398	8.0	—	—	8.0		
22	#6	3.78	5.5	00	3.78		
44	#2	3.32	4.0	-.01	3.31		

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	60	6.55		
T1 1 ft #2				
T2 1 ft #2				
T3 1 m	0 to 10 fath			

11—5314

NOTES

Depth	#	Read.	Const.	h	t
0	210	20.75	+1.22	21.97	21.0
22	"	21.15	+1.23	22.38	21.1
44	"	21.60	+1.23	22.83	21.3

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.29	31.47	24.54	0	24.54
22	25.75	32.05	25.48	.10	25.58
44	26.30	32.74	26.06	.20	26.26

F.H. 9689

615

Station No. 13.36 Date: May 22 1925

Hour: 7.10 A .M. to .M.

Position: Lat. 42-30-15 Long. 70-43-15

Locality: Off Baker's Island. Newcomb Ledge

Depth: 46 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	#6	6.91	7.0	+.04	6.95		
23	#2	3.99	4.0	+00	3.99		
46	#2	3.72	4.0	0	3.72		

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	41m	7.10A		
T, ft	Surface			
T, ft	"			
TB-1M	0-10fms			

11—5314

NOTES

Depth	Read.	#	Corr.	n	t
0	20.95	210	+1.22	22.17	21.4
23	21.45	"	+1.23	22.68	21.2
46	21.40	"	+1.23	22.63	21.3
Depth	σo	S	σts	n	Δ
0	25.61	31.87	24.99	0	24.99
23	26.12	32.51	25.78	.10	25.88
46	26.09	32.47	25.82	.21	26.03

F.H. 9690

615

Station No. 13.37 Date: May 22 1945

Hour: 8.30 A. M. to . M.

Position: Lat. 42-28-00 Long. 70-48-00

Locality: Marblehead Tinker Island

Depth: 40 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	#5	8.70	9.0	+.02	8.72		
20	#6	4.38	5.5	+.01	4.39		
39	#2	3.71	5.0	-.02	3.69		

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	35 m			
T, ft	0			
T, ft	0			
TB-1M	0-35			

11—5314

NOTES

Depth	Read.	#	Const	h	t
0	20.80	210	+1.22	22.02	21.6
20.	21.80	"	+1.23	23.03	21.4
39	21.45	"	+1.23	22.68	21.4
~~39~~	~~21.~~				

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.47	31.71	24.60	0	24.60
20	26.51	32.99	26.17	.09	26.26
39	25.62	31.89	25.36	.18	25.54

F.H. 9691

615

Station No. 13.38 Date: May 22 1925

Hour: 9.25 A. M. to . M.

Position: Lat. 42-24-15 Long. 70-52-15

Locality: off Nahant.

Depth: 30 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	#5	9.21	9.5	+.04	9.25		
15	#6	4.32	5.5	+.01	4.33		
30	#2	3.87	5.0	-.01	3.86		

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	25m	9.30		
T.A	Surface			
T.A	"			
TB-1M	0-25			

11—5314

NOTES

Depth	Read	#	Const	n	t
0	20.50	210	1.22	21.72	21.4
15	21.05	"	1.23	22.28	21.5
30	–	"	–	–	–
Depth	σ_0	S	σ_{ts}	n	Δ
0	25.18	31.35	24.24	0	24.24
15	25.73	32.02	25.41	.07	25.48
30	–	–	–	–	–

F.H. 9692

615

Station No. 14. ~~16A~~ 17 Date: June 14 1925

Hour: 6.30 A. M. to 6.40 A. M.

Position: Lat. Long.

Locality: Off Monts Ledge.

Depth: 38 m Bottom: Sample:

Wind: Direction, W Force, 1.2

Sea: Sm Sky: Ocy

Br. 29.52

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	1399	15.0	–	–	15.0		
10	#5	14.30	15.0	+.02	14.32		
20	#6	7.30	11.0	-.03	7.27		
38	#2	4.65	5.0	.00	4.65		

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

F.H. 9693

615

Station No. 14.16 Date: June 16 1925

Hour: 7.20 A.M. to 7.26 A.M.

Position: Lat. Long.

Locality:

Depth: 26m Bottom: Sample:

Wind: Direction, SW Force, 2

Sea: Sm. Sky: Cc2

29.50

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	~~139~~ #5	15.14	15.3	+.03	15.17		
10	#4	15.12	15.5	+.02	15.14		
26	#2	6.79	8.3	+.03	6.76		

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

F.H. 9694

615

Station No. 14.18A Date: June 16 1925

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

Position: Lat. Long.

Locality:

Depth: 79 Bottom: Sample:

Wind: Direction, SW Force, 3

Sea: Sm Sky: Oc 2

29.46

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#5	15.20	16.0	+.02	15.22		
10	#6	13.87	14.5	+.01	13.88		
20	#2	6.20	11.0	-.09	6.11		
40	#2	3.65	9.5	-.10	3.55		
79	#2	3.30	7.5	-.07	3.23		

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	
TB 1 Meter	0-40fm	9.00	9.15	1 Km

11—5314

NOTES

F.H. 9695

615

Station No. 14.14½ Date: June 16 1925

Hour: 10.50 A.M. to 11.00 A.M.

Position: Lat. Long.

Locality:

Depth: 22 m Bottom: Sample:

Wind: Direction, SW Force, 3-4

Sea: Sm Sky: Oc

29.41

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#5	15.18	15.5	+.03	15.21		
10	#6	10.65	12.0	+.01	10.66		
22	#2	7.60	9.5	-.04	7.56		

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

F. H. 9696

615

Station No. 14.10 Date: June 14 191

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

Position: Lat. Long.

Locality:

Depth: 38m Bottom: Sample:

Wind: Direction, WSW Force, 3

Sea: Sm Sky: BC 8

29.44

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	14.43	15.0	00	14.43		
10	#5	12.81	14.0	+.02	12.83		
20	#6	6.00	9.0	-.02	5.98		
38	#2	5.70	6.5	-.01	5.69		

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

F.H 9697

615

Station No. 14.06A Date: June 16 192[illegible]

Hour: 1.10 P.M. to 1.25 P.M.

Position: Lat. Long.

Locality:

Depth: 36 m Bottom: Sample:

Wind: Direction, NNW Force, 4

Sea: Gr. Heavy Sky: Bcz 9

29.48

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	15.00	15.0	+.01	15.01		
10	#5	14.88	15.0	+.03	14.91		
20	#6	8.50	12.0	-.03	8.47		
34	#2	4.80	12.0	-.14	4.66		

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

615 F.H. 9698

Station No. 14.07 Date: June 16 1925

Hour: 2.00 P. M. to 2.05 P. M.

Position: Lat. Long.

Locality:

Depth: 12m Bottom: Sample:

Wind: Direction, NNW Force, 6-7

Sea: Gr. Heavy Sky: BC 3

29.54

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#5	15.20	15.0	+.03	15.23		
10	#2	15.20	15.5	.00	15.20		

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

F.H. 9699

615

Station No. 14.04 Date: June 17 1925

Hour: 6.10 A.M. to 6.25 A.M.

Position: Lat. Long.

Locality:

Depth: 63 m Bottom: Sample:

Wind: Direction, N Force, 2-3

Sea: Sh. gr Sky: Bc 3

29.92

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	14.78	15.0	+.01	14.79		
10	#5	14.32	14.7	+.03	14.35		
20	#~~4~~5	7.52	10.5	-.05	7.47		
40	#2	3.81	7.0	-.06	3.75		
60	#2	3.81	7.5	-.07	3.74		

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

F.H. 9700

615

Station No. 14.03 Date: June 17 1925

Hour: 7.15 A.M. to 7.25 A.M.

Position: Lat. Long.

Locality:

Depth: 30m Bottom: Sample:

Wind: Direction, N Force, 2

Sea: Choppy Sky: 13C 3

29.94

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	12.12	12.5	+.01	12.13		
10	#5	12.02	12.5	+.03	12.05		
20	#6	9.22	11.0	+.01	9.23		
30	#2	5.12	9.0	-.06	5.06		

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

F.H. 9701

615

Station No. 14.34 Date: June 17, 1925

Hour: 8.45 A.M. to 8.55 A.M.

Position: Lat. Long.

Locality:

Depth: 58 m Bottom: Sample:

Wind: Direction, N Force, 2

Sea: Sm Sky: 3c 2

29.96

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	12.10	12.2	+.01	12.11		
10	#5	11.03	11.5	+.03	11.06		
20	#6	5.58	8.5	-.02	5.56		
56	#2	3.95	6.5	-.04	3.91		

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	

11—5314

NOTES

F.H 9702

615

Station No. 14.33 Date: June 17 1912

Hour: 10.20A. M. to 10.30A. M.

Position: Lat. Long.

Locality:

Depth: 50 m Bottom: Sample:

Wind: Direction, NNW Force, 1-2

Sea: Sm Sky: 3c 2

29.97

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	12.92	13.0	+.02	12.94		
10	#5	11.78	12.5	+.03	11.81		
20	#6	5.18	8.0	-.02	5.20		
50	#2	4.14	7.0	-.05	4.09		

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	

11—5314

NOTES

F.H. 9703

615

Station No. 14·32 Date: June 17 1925

Hour: Noon. M. to 12.10 P. M.

Position: Lat. Long.

Locality:

Depth: 54m Bottom: Sample:

Wind: Direction, NNW Force, 2

Sea: Sm Sky: Bc

29.98

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	12.42	13.0	+.01	12.43		
10	#5	9.60	11.0	+.02	9.62		
20	#6	4.61	9.0	-.05	4.56		
50	#2	4.02	7.0	-.05	3.97		
	~~#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	

11—5314

NOTES

F.H. 9704

615

Station No. 14.31 Date: June 17 1925

Hour: 12.55 P.M. to 1.10 P.M.

Position: Lat. Long.

Locality:

Depth: 94 m Bottom: Sample:

Wind: Direction, NNW Force, 2

Sea: Sm Sky: BC 1-2

29.97

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	12.93	13.5	+.01	12.94		
10	#5	9.10	10.5	+.01	9.11		
20	#6	5.46	8.0	+.01	5.45		
40	#2	4.03	6.0	-.03	4.00		
94	#2	3.52	6.0	-.05	3.47		

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	

11—5314

NOTES

F.H. 9705

615

Station No. 14.30 Date: June 17 191

Hour: 2.29 P.M. to 3.15 P.M.

Position: Lat. Long.

Locality:

Depth: 77m Bottom: Sample:

Wind: Direction, SSW Force, 2

Sea: Sm Sky: Bc 2

29.92

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#5	13.30	13.5	+.03	13.33		
10	#6	12.04	11.5	+.04	12.08		
20	#6	6.41	9.0	-.02	6.39		
40	#2	4.30	8.0	-.07	4.23		
75	#2	4.11	8.0	-.07	4.04		

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	
TB-1M	0-70	3.00	3.15	

11—5314

NOTES

F.H. 9706

615

Station No. 14.29 Date: June 17 1925

Hour: 3.55 P.M. to 4.20 P.M.

Position: Lat. Long.

Locality:

Depth: 49 m Bottom: Sample:

Wind: Direction, SSW Force, 2

Sea: Sm Sky: BC 2

29.90

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	12.90	13.2	+.01	12.91		
10	#5	12.20	12.5	+.04	12.24		
20	#6	11.85	12.5	+.02	11.87	?	
48	#2	5.25	8.5	-.06	5.19		

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	
TB-1M	0-20	4.05	4.20	

11—5314

NOTES

615 F.H.9707

Station No. 14.35 Date: June 17 1935

Hour: 4.50 P.M. to 5.00 P.M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, SSE Force, 3

Sea: Sm Sky: BC7

29.88

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	13.15	13.5	+.01	13.16		
10	#5	12.69	13.0	+.03	12.72		
20	#6	12.00	12.5	+.03	12.03		
40	#2	6.20	9.5	-.06	6.14		

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

F.H. 9708

615

Station No. Y4.36 Date: June 17 1915

Hour: 5.40 P.M. to 5.50 P.M.

Position: Lat. Long.

Locality:

Depth: 44m Bottom: Sample:

Wind: Direction, SSE Force, 2

Sea: Bm Sky: BC7

29.86

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	13.52	14.0	+.01	13.53		
10	#5	12.12	13.0	+.03	12.15		
20	#6	12.00	10.5	+.06	12.06		
44	#2	4.65	7.0	-.04	4.61		

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

F.H. 9708

615

Station No. 14.37 Date: June 17 1925

Hour: 6.30 P.M. to 6.40 P.M.

Position: Lat. Long.

Locality:

Depth: 42 m Bottom: Sample:

Wind: Direction, SSW Force, 2

Sea: Sm Sky: BC8

29.86

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	12.15	13.0	+.01	12.14		
10	#5	10.20	11.0	+.04	10.24		
20	#6	9.05	10.0	+.03	9.08		
42	#2	5.34	7.5	-.04	5.30		

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

F.H. 9710

615

Station No. 14.38 Date: June 17, 1925

Hour: 7.25 P.M. to 7.35 P.M.

Position: Lat. Long.

Locality:

Depth: 30 m Bottom: Sample:

Wind: Direction, SW Force, 2

Sea: Sm Sky: Bc 8

29.87

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	#1	12.75	13.5	+.01	12.76		
10	#5	9.72	10.5	+.03	9.75		
20	#6	8.90	9.5	+.03	8.93		
28	#2	5.96	8.0	-.04	5.92		

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	

11—5314

NOTES

Stations Made by R. Parmenter
615 During summer of 1925

Station No. 1-BB Date: July 6 1925

Hour: 4.00 P.M. to 4.10 P.M.

Position: Lat. Long.

Locality: Off can buoy "BB" at long Pt. Provincetown

Depth: Bottom: Sample:

Wind: Direction, SW Force, 3

Sea: Choppy Sky: Clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	8710	18.80		.30	18.50		
33							

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
#0 1-foot	0	4.10	4.20	
#0 1-foot	33m	"	"	
Very little of anything. One pipe fish 45mm.				

11—5314

NOTES

Depth	#	Read	Cor	h	t
0	210	23.00	1.26	24.26	10.6

Depth	σ_0	S	$\sigma_{t,s}$	n	Δ
0	25.52	31.76	22.72	0	22.72

615

Station No. 2 - B B Date: July 11 1925

Hour: 4.00 P.M. to 4.15 P.M.

Position: Lat. Long.

Locality: Off BB can buoy

Depth: 30 m Bottom: Sand. Sample:

Wind: Direction, S Force, 0-1

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	~~21.1~~	21.1	–	–	21.1		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED [illegible]

Description	Depth	TIME		Speed
		Down	Up	
#10 1/4	0 m	4.00	4.10	
" "	30 m	"	"	

11—5314

NOTES

Depth	#	Read.	Corr.	n	t
0	210	22.25	1.25	23.50	15.9

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.72	32.01	22.22	0	22.22.

615

Station No. 3-13B Date: July 18 1925

Hour: 11.00 A.M. to 11.15 AM.

Position: Lat. Long.

Locality: Off "B13" Can. Buoy.

Depth: 30 m Bottom: Sand. Sample:

Wind: Direction, 0 Force, 0

Sea: Sm. Sky: Clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	8517	23.0		-0.1	22.9		

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
#0 - 1 foot	0	11.00	11.15	
#0 -	30	"	"	

11—5314

NOTES

Depth	#	Read.	Corr.	h	t.
0	210	22.75	1.26	24.01	14.2
Depth	**σ_0**	**S**	**σ_{ts}**	**n**	**Δ**
0	25.88	32.21	21.88	0	21.88

615

Station No. 4-BB Date: July 25 1925

Hour: 4.30 P.M. to 4.40 P.M.

Position: Lat. Long.

Locality: Off "BB" Can buoy

Depth: 30 m Bottom: Sandy Sample:

Wind: Direction, 0 Force, 0

Sea: Sm. Sky: Cl.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	8517	23.6		-0.1	23.5		

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	

11—5314

NOTES

Depth	#	Read	Cor	n	t
0	210	23.45	1.27	24.72	9.1

Depth	σ_0	S	σ_{ts}	n	Δ
0	25.83	32.15	21.63	0	21.63

615

Station No. 5 - BB Date: Aug. 3 1925

Hour: 10.30 A. M. to 10.45 . M.

Position: Lat. Long.

Locality: Off "BB" buoy Long Point.

Depth: 30 m Bottom: Sand. Sample:

Wind: Direction, W Force, 1-2

Sea: Sm. Sky: Clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	8717	19.1	—	-.1	19.0		

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	
#0 - 1 ft.	0	10.30	10.40	1
#0 - 1 ft	30 m	"	"	"

11—5314

NOTES

Depth	#	Read.	Cor.	n	t
0	210	22.95	1.26	24.21	13.0
Depth	σ_0	S	$\sigma_{t,s}$	n	Δ
0	25.89	32.22			

615

Station No. 6-BB Date: 8 Aug 1925

Hour: 2.45 P.M. to 2.55 P.M.

Position: Lat. Long.

Locality: Off BB buoy Long Point.

Depth: 30m Bottom: Sand. Sample:

Wind: Direction, E Force, 1

Sea: Sm. Sky: Clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	8517	20.2		-0.1	20.1		

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	
#0 - 1 ft.	0	2.45	2.55	
#0 - 1 ft.	30	..	..	

11—5314

NOTES

Depth	#	Read	Cor.	n	t
0	210	22.90	1.24	24.16	11.9
Depth	σ0	S	σ±s	n	Δ
0	25.67	31.95			

7-13B Aug. 15. 19.7

Mr. Greene:
Send on certificates of nos.
23472 and 23474

Boston

23.00 = 1.023.00