ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 859 to 902

53.18
53.30

53.21.30
12
53.33.30

90
38
3630
328
39.58

220
18
238

90.
53 33 30
36.26 30
3 28
39.54.30

12 / 450 / 8
32

72) 270 0 (3 1/2
216
540
504

450
50
451/2

12/220 (18
12
100

3/36 124
72 248

12/344 (28
24
104

341 337
38 28
372 365

40
40
50
53
52
55

12) 337 (28
24
97

60/296 (4.56
240
562
360
160

56

Book No. 3

1880

U.S. Fish Hawk.

U.S. Fish Commission

Headquarters:

New York R.I.

All bearings magnetic in this book.

F. C. Van Vliet M.D.

All bearings in
this book Magnetic

Van Vleck

Chesterfield Bridge -

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation. 859

Date. Sept. 8 5

Locality. Atlantic Ocean -

Bearings. Cuttyhunk Light - N½ W 3 Miles

Time of day. 11.20 am ; of tide.

State of sky. Clear -

Temperature of air. 68

" surface of water. 66 (46404)

" at depth of 5 fathoms. 65

" of bottom. 63 (40007)

Depth, in fathoms. 17½

Nature of bottom, Sand

Direction of ~~surface current~~. Wind 2 W

Force of ~~surface current~~. do 2

Direction of ~~bottom current~~. drift W

West drift

Force of ~~bottom current~~. ¼ Mile

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lieut J L Lamen

Name and position of observer,

Geo F C Van Vleck

559

REMARKS.

Dredge came up empty - a mere water haul - nothing in the net & only a few fronds of Laminaria hanging to the Rake also Mine Mytilus Phaseolasma. Fewer.

Chester Rake Dredge -

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 860

Date, Sept 3?

Locality, Atlantic Ocean.

Bearings, Cutty Hunk Light N ½ W 3 Miles.

Time of day, 11.55 am ; of tide.

State of sky, Clear

Temperature of air, 70

" surface of water, 66 (46400)

" at depth of 5 fathoms, 65

" of bottom, 64 (40007)

Depth, in fathoms, 17½

Nature of bottom, Mud.

Direction of surface ~~current~~, Wind S W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Light W

Force of ~~bottom current~~, do ¼

Name of vessel, Fish hawk

To what service attached, U. S. Fish Comm.

Name and rank of commanding officer,

Lieut F. E. Lemmon

Name and position of observer,

Wm H C Van Dorn -

860

REMARKS.

Rich in annelids + amphi-
-pods, Mollusks.

Found

TEMPERATURE RECORD.

Instrument used. No 7

Current number of observation. 261.

Date. Sept 2d

Locality. Atlantic Ocean.

Bearings. Cuttyhunk Light N 3/4 W 3 3/4 miles

Time of day. 12, 20 : of tide.

State of sky. Clear

Temperature of air. 69

" surface of water. 66 (46400)

" at depth of 5 fathoms. 65 (10f - 65)

" of bottom. 61. (45007)

Depth, in fathoms. 17.

Nature of bottom. Sand.

Direction of ~~surface current~~. Wind S W

Force of ~~surface current~~. Wind 2

Direction of ~~bottom current~~. Light E

Force of ~~bottom current~~. do 1/4 knot

Name of vessel. Fish Hawk

To what service attached. U.S.F.C.

Name and rank of commanding officer.

Lt. J. L. Lamman

Name and position of observer.

Wm F. C. van Vliet

REMARKS.

Antennaria compacta
Solidago Bealii
Thymus Americanus
Asterias vulgaris
Compositus Bernhardus
Platyonichus ocellatus.
Carcinus Maenas
do pinnotheres
Pinnotheres maculatus.

Form L

TEMPERATURE RECORD.

Instrument used. No 3

Current number of observation. 362

Date. Sept 3rd

Locality. Atlantic Ocean

Bearings. [illegible] North

4 miles

Time of day. 12. 55 ; of tide.

State of sky. Clear

Temperature of air. 68

" surface of water. 66 (484 m)

" at depth of 5 fathoms. 65

" of bottom. 64 (4 m)

Depth, in fathoms. 17

Nature of bottom. Sand

Direction of ~~surface current~~. [illegible] 2 M

Force of ~~surface current~~. do 2

Direction of ~~bottom current~~. [illegible] 1

Force of ~~bottom current~~. do 1 miles

Name of vessel. [illegible]

To what service attached. [illegible]

Name and rank of commanding officer.

[illegible]

Name and position of observer.

Wm H C Nance Mich

862

REMARKS.

Platynichus cyllatus
Emphysopyx Bombardus
Cancer borealis
Hymenus americanus
Astacus Pedii
Cibinella sanguinolenta
Asterias Antiquus
Subinites compressa

TEMPERATURE RECORD.

Instrument used. N 3

Current number of observation. 663

Date. Sept 3 5 Vineyard Sound

Locality. ~~[illegible]~~ -

Bearings. Cuttyhunk Light - N 7/8 E - 3 3/4 Miles

Time of day, 1.40 ; of tide, flood

State of sky, Clear

Temperature of air, 70

" surface of water, 67 (42,000)

" at depth of 10 fathoms ~~[illegible]~~ 65 (5 fathoms 65)

" of bottom, 65 (40007)

Depth, in fathoms, 18

Nature of bottom, Mud

Direction of ~~surface current~~, Mud & N

Force of ~~surface current~~, do

Direction of ~~bottom current~~, South & West

Force of ~~bottom current~~, do 1/4 Mile

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

H J L Lemon

Name and position of observer,

Wm F C van Vleck

863

REMARKS.

Rame n. 2 868
Poldia lenatilla var.
laxa.

Dredge -

TEMPERATURE RECORD.

Instrument used. R 3

Current number of observation. 664

Date. July - 3rd

Locality. Vineyard Sound

Bearings. Sky Peak Light - R & N 1/4 N

5 4/10 miles

Time of day. 3 p m Tide. flood

State of sky. Clear

Temperature of air. 70

" surface of water. 67 (16200)

" at depth of 5 fathoms. 66

" bottom. 65 (000)

Depth, in fathoms. 13

Nature of bottom. Sand

Direction of ~~surface current~~. Wind S W

Force of ~~surface current~~. do 2

Direction of ~~bottom current~~. [illegible] 2

Force of ~~bottom current~~. do 1/4 M

Name of vessel. Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer.

Lt J L Lawson

Name and position of observer.

Mr F C Ramsdell

4

864

REMARKS.

Trawl

TEMPERATURE RECORD.

Instrument used, N 3

Current number of observation, [illegible]

Date, Sept. 4

Locality, [illegible]

Bearings, Lat 40. X.05 N.
Long: 170. 23 West

Time of day, 5^h 40^m am ; of tide.

State of sky, Clear

Temperature of air, 71

" surface of water, 73 (45401)

" at depth of 5 fathoms, 75

" of bottom, [illegible] 45401

Depth, in fathoms, 65

Nature of bottom, [illegible]

Direction of ~~surface current~~, Mind [illegible]

Force of ~~surface current~~, do 1

Direction of ~~bottom current~~, Mind E N E

Force of ~~bottom current~~, do 3/4 Mile

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer,

[illegible]

Name and position of observer,

Dr [illegible] from [illegible]

REMARKS.

[illegible] Thin. [illegible]
[illegible]

A heavy cross swell
the ship rolling violently
at times.
The magnetic [illegible]
[illegible]
[illegible]
[illegible]
[illegible] frequently being
[illegible] the rolling of
the ship.

Fricon

TEMPERATURE RECORD.

Instrument used. N 8

Current number of observation. 866

Date. Sept 4

Locality. [illegible]

Bearings. Lat. 46.05.18 Long. 70.22.18 [illegible]

Time of day. 6 30 am; of tide.

State of sky. clear

Temperature of air. 73.

" surface of water. 73. (46600)

" at depth of 5 fathoms. 74.5

" of bottom. 68.5 (?) (46601)

Depth, in fathoms. 65

Nature of bottom. sand shell

Direction of ~~surface current~~. wind rain

Force of ~~surface current~~. do 1-0

Direction of ~~bottom current~~. Wind N E x E

Force of ~~bottom current~~. do 1/2 mile

Name of vessel. Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer.

Lt J E Lamson

Name and position of observer.

Dr H C von Zielen

REMARKS.

Nathan Strength

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 807.

Date, Sept 4.

Locality, [illegible]

Bearings, [illegible]

Time of day, 7.04 ; of tide,

State of sky, Clear.

Temperature of air, 75°

" surface of water, 73°

" at depth of 5 fathoms, 75°

" of bottom, 53°

Depth, in fathoms, 64.

Nature of bottom, Sand & Shell

Direction ~~of surface current~~, [illegible]

Force of ~~surface current~~, [illegible]

~~Direction of bottom current~~, [illegible]

~~Force of bottom current~~, [illegible]

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

[illegible]

REMARKS.

TEMPERATURE RECORD.

Instrument used. Frank

Current number of observation. 868

Date. Sept 4.

Locality. Albatross

Bearings. Lat 40.01.42 N. Long. 70.22.30 W

Time of day. 8 a.m. 3 day of tide.

State of sky. Clear

Temperature of air. 75°

" surface of water. 75° 46.0 W

" at depth of 5° fathoms. 75° 46.0 1

" of bottom. 47.° "

Depth, in fathoms. 162.

Nature of bottom. fine sand & black specks.

Direction of surface current. wind

Force of surface current.

Direction of bottom current. slight N. E.

Force of bottom current. slight 1/2 mile

Name of vessel.

To what service attached.

Name and rank of commanding officer.

Name and position of observer.

REMARKS.

[illegible]

TEMPERATURE RECORD.

Instrument used, Pressure

Current number of observation, 665

Date, Sept 4

Locality, Atlantic

Bearings, Lat 40°02,1 N long 70.23.0 W

Time of day, 9.25 Am ; of tide,

State of sky, Clear

Temperature of air, 80°

" surface of water, 76° 4600

" at depth of 5 fathoms, 75° 1600

" of bottom, 56 (B)

Depth, in fathoms, 192

Nature of bottom, Fine sand

Direction of ~~surface current~~, Deep

~~Force of surface current~~ Deep

Direction of ~~bottom current~~, Wind Calm

Force of ~~bottom current~~,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, [illegible]

Current number of observation, 270.

Date, Sept 4.

Locality, [illegible]

Bearings, [illegible]

Time of day, 10,5 [illegible] of tide.

State of sky, Clear

Temperature of air, 80

" surface of water, 77°

" at depth of 5 fathoms, 75°

" of bottom, no obs.

Depth, in fathoms, 15 5.

Nature of bottom, Mud & [illegible]

Direction ~~of surface current~~, [illegible]

Force of ~~surface current~~, [illegible]

Direction ~~of bottom current~~ [illegible]

~~Force of bottom current~~ [illegible]

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, Frazol -

Current number of observation, 871

Date, Sept 4

Locality, Atlantic

Bearings, Lat 40.02.54 N Long 70 2 3. 40 W

{Ship Bound dis. 40.04-57. N}

Time of day, 11.40 am of tide,

State of sky, Clear

Temperature of air, 84

" surface of water, 76.5

" at depth of 5 fathoms, 75 10 - 75

" of bottom, 45

Depth, in fathoms, 115

Nature of bottom, Mud w/ [illegible]

Direction of ~~surface current~~, wind Calm

Force of ~~surface current~~, " 0

Direction ~~of bottom current~~ Drift N. N. W.

Force of bottom current, Light 3/4 mile

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

J. P. S.

REMARKS.

TEMPERATURE RECORD.

Instrument used. Trout

Current number of observation. 872

Date. Sep 4th

Locality. Atlantic

Bearings. Lat 40.05.35 N. Long. 70.23.52 W.

Time of day. 12.45 ; of tide.

State of sky. Partially clear

Temperature of air. 81

" surface of water. 77.

" at depth of 5 fathoms. 75

" of bottom. 50.5

Depth, in fathoms. 86

Nature of bottom. Sand & shells. sponge

Direction of ~~surface current~~. Wind SW.

Force of ~~surface current~~. 1

Direction of ~~bottom current~~. Bright N W X N

Force of ~~bottom current~~. Dick 1/2 knot.

Name of vessel. 'Fish Hawk'

To what service attached. U. S. F. C.

Name and rank of commanding officer. Lieut Z. L. Tanner

Name and position of observer.

J. A. Smith

REMARKS.

Trawl

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation. 873

Date. Sept 13

Locality. Atlantic.

Bearings. Lat – 40.02 N

Long – 70 57 W

Time of day, 5.36 am ; of tide.

State of sky. Clear

Temperature of air. 68

" surface of water. 69.5°

" at depth of 5 fathoms, 70. 10/70

" of bottom. 57.1

Depth, in fathoms. 100

Nature of bottom. mud.

Direction of ~~surface current~~. Mud 2 m

Force of ~~surface current~~. do 3

Direction of ~~bottom current~~. Light NW x W

Force of ~~bottom current~~. do 1/2 m.

Name of vessel.

To what service attached.

Name and rank of commanding officer.

Name and position of observer.

REMARKS.

11. Anchinoë Acotifoes. (Grube ms.)
5. Mesochaetus bilinearis (Gg.)
1. Aoria Gg.

TEMPERATURE RECORD.

Instrument used, [illegible]

Current number of observation, 374

Date. Feb 13

Locality, [illegible]

Bearings, [illegible]

[illegible] 70 57 [illegible]

Time of day, 6.26 am [illegible] of tide.

State of sky, Clear

Temperature of air, 70

" surface of water, 70 [illegible] 40-55

" at depth of 5 fathoms, 70.5. 10-70. 20-64.

" of bottom, 51 [illegible]

Depth, in fathoms, 85

Nature of bottom, Mud.

Direction of surface current, [illegible]

Force of surface current, do 2

Direction of bottom current, [illegible]

Force of bottom current, do 1/2 [illegible]

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

1. Anarthichas lupus (yg.)
1. Pseudorhombus oblongus
Anchmodes antiformis (Good. ms)
4. Raia sp. (?)
7. " sp. gt.

TEMPERATURE RECORD.

Instrument used, [illegible]

Current number of observation, 575

Date, Sept 13

Locality, [illegible]

Bearings, Lat. - 43.57 N

Long. - 71. 57. 30 W.

Time of day, 7.57 am ; of tide.

State of sky, Clear

Temperature of air, 70

" surface of water, 70

" at depth of 5 fathoms, 71 (10. 70) (20 = 30, 59°)

" of bottom, 53

Depth, in fathoms, 126

Nature of bottom, Mud.

Direction of ~~surface current~~, mud S W

Force of ~~surface current~~, do 2)

Direction of ~~bottom current~~, [illegible]

Force of ~~bottom current~~, do ½ mile

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

REMARKS.

1 Anchinodes arctifrons
1. New genus flounder.
1. Merluccius bilinearis (yg.
1. Lotalta, maximus (yg.)

Transit

TEMPERATURE RECORD.

Instrument used, [illegible]

Current number of observation, 876

Date, [illegible] 13

Locality, [illegible]

Bearings, Lat 39.57 [illegible] N

Long – 70.56 [illegible]

Time of day, 8.45 am ; of tide.

State of sky, Clear

Temperature of air, 68

" surface of water, 70

" at depth of 5 fathoms, 71.10-70.20-69.30-69

" of bottom, 53

Depth, in fathoms, 120

Nature of bottom, Mud.

Direction of ~~surface current~~, [illegible] S W

Force of ~~surface current~~, [illegible] 2

Direction of ~~bottom current~~, [illegible] N

Force of ~~bottom current~~, [illegible] 3/4 m.

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer,

[illegible]

Name and position of observer,

[illegible]

REMARKS.

1. Lophius piscatorius
1. Mondeue sessilicauda (Goode ms.)
1. Glyptocephalus cynoglossus. (yg.)
Anchomodes arctifrons.
2. Merluccius bilinearis (yg.)
2. Sebastes marinus (yg.)
1. Sebastes sp. nov. (yg.)
2. Salmonoid. sp. nov. (yg.)
1. Peristedion miniatum (Goode ms.)

Form C

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 877

Date, Sept 13

Locality, Atlantic

Bearings, Lat 37. 56

Long 70. 54. 18 W

Time of day, 9.40 am : of tide.

State of sky, Clear

Temperature of air, 71

" surface of water, 71 (Lower)

" at depth of 5 fathoms 58. 10 - 58. 20 - 66° (Lower)

" of bottom, 57° (Lower)

Depth, in fathoms, 126

Nature of bottom, mud

Direction of ~~surface current~~, [illegible] W

Force of ~~surface current~~, [illegible] 2

Direction of ~~bottom current~~, [illegible] N N W

Force of ~~bottom current~~, do 3/4 M

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer,

[illegible]

Name and position of observer,

[illegible]

REMARKS.

2. Anus cinereus
5. Mourlene ~~[illegible]~~ silicanda (Lord ms)
Merluccius filiparis (yg.)
Anchmodes antipodum (Lord ms.)
1. Prietheus miniatum (yg.)
Salmonoid sp. nov.
Near eg. with twelve teeth from
Sarah Arr. Lophalotilus chaen.

TEMPERATURE RECORD.

Instrument used.

Current number of observation.

Date.

Locality.

Bearings.

Time of day. 11 a.m. ; of tide.

State of sky.

Temperature of air. 72

" surface of water. 71

" at depth of 5 fathoms. 70 10 70 20

" at bottom. 52

Depth, in fathoms. 142½

Nature of bottom.

Direction of ~~surface current~~.

Force of ~~surface current~~.

Direction of ~~bottom current~~.

Force of ~~bottom current~~.

Name of vessel.

To what service attached.

Name and rank of commanding officer.

Name and position of observer.

REMARKS.

1. Lophius piscatorius
Merluccius bilinearis yg rad.
ripe & parvo.
1. Physis tenuis (?)
4. Phycis chesteri yg rad.
3. Merluccius glutinosus
6. Urcheuodus arctiporus (Goode ms)
1. Phycis cynoglossus. (yg.)
2. Urophycis maximus (yg.)
6. Salmonoid sp. nov.
7. Ammodytes cimbrus.

Transcript

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ~~[illegible]~~ 6.20 p.m. : of tide,

State of sky,

Temperature of air, 72

" surface of water, 71.5

" at depth of 5 fathoms, 71 } 10 – 71 } 20 – 70 }

" of bottom, = 42 } C = 42

Depth, in fathoms, ~~[illegible]~~ 225

Nature of bottom,

Direction of ~~surface current~~,

Force of ~~surface current~~,

Direction of ~~bottom current~~,

Force of ~~bottom current~~,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Clupeis Chestii yg. vad.
1. Macrurus carinatus (Goode mss.)
M " Bairdii (?) ad & yg.
Lycodes Vahlii.
Glyptocephalus cynoglossus.
1. Halientichthys aculeatus
Merluccius bilinearis
Raia ovig.

Mud

TEMPERATURE RECORD.

Instrument used, [illegible]

Current number of observation, 880

Date, Sept 13

Locality, [illegible]

Bearings, [illegible] - 39. 40. 30 N

[illegible] - 71. 54 W

Time of day, 3.12 pm ; of tide,

State of sky, Cloudy -

Temperature of air, 74

" surface of water, 71.5

" at depth of 5 fathoms, 74. C. 68 } 10 - 72 71

" of bottom, 43 C. 41.5

Depth, in fathoms, 25 1/2.

Nature of bottom, Mud.

Direction of ~~surface current~~, [illegible] S W

Force of ~~surface current~~, do, 3

Direction of ~~bottom current~~, [illegible] W x N

Force of ~~bottom current~~, [illegible] 3/4 W

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer,

[illegible]

Name and position of observer,

REMARKS.

Glyptocephalus cynoglossus ad xyg.
Glyptis Cheltii (spawn)
Macrurus Bairdii (?)
Lycodes Vomilli
2. Liparis vanula (yg.)
4. Scynaphobranchus pinnatus.
Salmonoid.
Hemichthys salpaeus
Cottoid sp. nov.
Raia sp. (B).
Raia ygg.

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 381

Date, Sept 13

Locality,

Bearings, Fal 39-46-30 N
Fal 70-54-[illegible] W

Time of day, 5 p m ; of tide,

State of sky, Cloudy

Temperature of air, 70

" surface of water, 71

" at depth of 5 fathoms, 71.0 - 71.5 (C.46)

" of bottom, 42 (C.41) 71

Depth, in fathoms, 325

Nature of bottom, No bottom

Direction of surface current, N E 2 m

Force of surface current, do 3

Direction of bottom current, Slight N N W

Force of bottom current, do 1/2 m

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, Lt Commdr.

Name and position of observer,

REMARKS.

. Phycis Chuatini.
1. Macrurus Baindii (?)
6. Scopelus sp. nov.
4 Bathycephalus cynoglossus. yg.
5. Lyriophobranchus pinnatus
Raia egg.

Travel

TEMPERATURE RECORD.

Instrument used, N3

Current number of observation. 682

Date. Sept 17/80

Locality. Murray Narrows, Bay —

Bearings, Hole in Rock. N.N.E ½ E.

2 3/8 miles

Time of day, 10.56 ; of tide.

State of sky, Clear

Temperature of air, 68

" surface of water, 65 (44.2)

" at depth of * fathoms.

" of bottom, 67 (44.2)

Depth, in fathoms, 12½

Nature of bottom, Mud

Direction of ~~surface current~~, Mod S W

Force of ~~surface current~~, do, 2

Direction of ~~bottom current~~, Slight S W

Force of ~~bottom current~~, do 1/4 knots

Name of vessel, Irish Hawk

To what service attached, Survey

Name and rank of commanding officer, Maj L. Lamb

Name and position of observer,

REMARKS.

1. Syngnathus fuscus.
Lophopetta maculata
Paralichthys oblongus (young.)
Pseudopleuronectes americanus
Limanda ferruginea.
Tetrodon turgidus
Stenotomus argyrops
Micropogon carolinus
Porcupinus triacanthus
Aprocion regalis
Raia erinacea
" laevis
" eglanteria
Physistemus (egg.)

Transcl

TEMPERATURE RECORD.

Instrument used, RZ

Current number of observation, 583

Date. Sept 17

Locality, Narragansett Bay

Bearings, [illegible] NE by N

2 1/4 Miles

Time of day, 11.35 ; of tide,

State of sky, Clear

Temperature of air, 70

" surface of water, 65

" at depth of fathoms,

" of bottom, 63 1/2

Depth, in fathoms, 13

Nature of bottom, Mud

Direction of ~~surface current~~ Wind N NE

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~. Light S W

Force of ~~bottom current~~. do 1/2 M

Name of vessel. Fish Hawk

To what service attached, USFC

Name and rank of commanding officer,

LT Z L Lemmon

Name and position of observer,

REMARKS.

Pseudopleuronectes americanus
Scophthalmus maculata
Limanda ferruginea
Pseudorhombus oblongus. (y rad)
Phycis tenuis (yg.)
Prionotus triacanthus (yg rad.)
Stenotomus argyrops "
Cynoscion regalis.
Prionotus carolinus. (yg rad)
Raia laevis.
" erinacea.

Sandy Hook Channel

TEMPERATURE RECORD.

Instrument used. N 37

Current number of observation. 884

Date. Sept 17

Locality. [illegible]

Bearings. [illegible] Island NE ½ E

200 yds

Time of day. 2.10 ; ~~a.m.~~

State of sky. Clear

Temperature of air. 72

" surface of water. 65

" ~~at depth of~~ ~~fathoms.~~

" of bottom. 63.5

Depth, in fathoms. 5

Nature of bottom. Mud.

Direction of ~~surface current.~~ Wind S W

Force of ~~surface current.~~ do 3

Direction of ~~bottom current.~~ Night S W

Force of ~~bottom current.~~ do 1/4 N

Name of vessel. Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer.

LT B L Lamman

Name and position of observer.

REMARKS.

TEMPERATURE RECORD.

Instrument used, N 3 [illegible]

Current number of observation, 885

Date, Sept 17

Locality, Narragansett Bay

Bearings, Fort Wood N by E 1/4 E 3/8 of mile

Time of day, 3.15 ~~of day~~

State of sky, Clear

Temperature of air, 71

" surface of water, 69

" at ~~depth of~~ 5 ~~fathoms~~, 64

" of bottom, 65

Depth, in fathoms, 15

Nature of bottom, [illegible]

Direction of ~~surface current~~, Mud S W

Force of ~~surface current~~, slow 2

Direction of ~~bottom current~~, [illegible]

Force of ~~bottom current~~, slow [illegible]

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer,

H G L Lamson

Name and position of observer,

[illegible]

REMARKS.

Pseudopleuronectes americanus
Lophopsetta maculata
Porosus biacanthus
Prionotus carolinus
~~Stu~~ Stenotomus argyrops.
Raia laevis
erinacea
Eggs young.

Observation

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 886

Date, Sept 21

Locality, Atlantic

Bearings, From [illegible] N 3/4 W

S 3/4 [illegible] Miles.

Time of day, 12.49 ; of tide,

State of sky, Clear

Temperature of air, 67

" surface of water, 64

" at depth of 5 fathoms, 62

" of bottom, 62

Depth, in fathoms, 19

Nature of bottom, Shells

Direction of ~~surface current~~, mode West

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Weight ~~[illegible]~~ N

Slight

~~Force~~ of ~~bottom current~~, do ~~[illegible]~~ W 1/4

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt. J. L. [illegible]

Name and position of observer,

REMARKS.

Transit

TEMPERATURE RECORD.

Instrument used, N 3

Current number of observation, 687

Date, Sept 21

Locality, Bluff Ie

Bearings, Off Light House Head N 1/2 W

5 5/9 miles (?)

Time of day, 1.30 ; of tide,

State of sky, Clear

Temperature of air, 67

" surface of water, 64

" at depth of 5 fathoms, 62

" of bottom, 62

Depth, in fathoms, 19

Nature of bottom, stones

Direction of ~~surface current~~, mid W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Dright W ~~Force~~

Dish

~~Force~~ of ~~bottom current~~, do 3/4 W

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt. J. C. Lemmon

Name and position of observer,

REMARKS.

Transcl

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 888.

Date, Sept ~~17~~ 21

Locality, Atlantic.

Bearings, Butt Light House bt: N x E

6 miles

Time of day, 2 p m ; ~~of tide.~~

State of sky, Clear

Temperature of air, 68

" surface of water, 69

" at depth of 8 fathoms, 62

" of bottom, 62

Depth, in fathoms, 19

Nature of bottom, Shells.

Direction of ~~surface current~~, Mind W

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Dight W
Dich

~~Force of bottom current~~, do 1½ W

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt. J. L. Zamer

Name and position of observer,

REMARKS.

Hinchey

TEMPERATURE RECORD.

Instrument used, NZ

Current number of observation, 889

Date, Sept 21

Locality, Atlantic

Bearings, [illegible] Wind W 3

5 miles

Time of day, 3.50 ; of tide,

State of sky, Clear

Temperature of air, 68

" surface of water, 64

" at depth of 5 fathoms, 62

" of bottom, 61.5

Depth, in fathoms, 11

Nature of bottom, Rocky

Direction of ~~surface current~~, Wind W

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Weak W & W

Force of ~~bottom current~~, do 1/2 M

Name of vessel, Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt. J. L. Zamm

Name and position of observer,

REMARKS.

Dredge

TEMPERATURE RECORD.

Instrument used, N 3

Current number of observation, 590

Date, Sept 21

Locality, [illegible]

Bearings, [illegible] Mark Island W ¼ S

4 3/4 miles

Time of day, 4.15 pm ; of tide.

State of sky, Clear

Temperature of air, 68

" surface of water, 64

" at depth of 5 fathoms, 62

" of bottom, 61.5

Depth, in fathoms, 11

Nature of bottom, Rocky

Direction of ~~surface current~~, Mind. W

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Drift W S W

Force of ~~bottom current~~, do ½ M

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

H. J. L. Lemon

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, R 7

Current number of observation, 591

Date, Oct 25

Locality, Albemarle

Bearings, [illegible] 37 46' [illegible] 71.10

Time of day, 6 am ; of tide,

State of sky, Clear

Temperature of air, 60

" surface of water, 67

" at depth of fathoms,

" of bottom,

Depth, in fathoms, 310+ Sounding line broke (1640 ft)

Nature of bottom, Mud

Direction of ~~surface current~~, winds N E

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Depth N

Force of ~~bottom current~~, do 1/2

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Lt J L Lemmon

Name and position of observer,

Mr Van Vliet

REMARKS.

Found

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation, 592

Date, Oct 2

Locality, [illegible]

Bearings, [illegible]

Time of day, 8 46 am : of tide,

State of sky, Clear

Temperature of air, 64

" surface of water, 65

" at depth of fathoms,

" of bottom, [illegible]

† Depth, in fathoms, ~~750~~ [illegible]

Nature of bottom, mud & small stones

Direction of ~~surface current~~, [illegible] NE

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, [illegible]

~~Force~~ Drift of bottom ~~current~~, do 2 knots

Name of vessel, Jack Hamlin

To what service attached, U. S. F. C.

Name and rank of commanding officer,

Lt J. L. Lawson

Name and position of observer,

Hart

REMARKS.

TEMPERATURE RECORD.

Instrument used, [illegible]

Current number of observation, 893

Date, Oct 2 [illegible]

Locality, [illegible]

Bearings, [illegible] 39.52.20 N

[illegible] 70.[illegible] W

Time of day, 11.23 ; of tide.

State of sky, [illegible]

Temperature of air, 63

" surface of water, [illegible]

" at depth of fathoms,

" of bottom, 40 Mt. C.

Depth, in fathoms, ~~34~~ 372

Nature of bottom, [illegible] Hard Stone

Direction of ~~surface current~~, [illegible]

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Depth

Force of ~~bottom current~~, do

Name of vessel, Fish Hawk

To what service attached, U. S. F. C.

Name and rank of commanding officer,

[illegible]

Name and position of observer,

[illegible] 1/2 [illegible]

Lat. 44.30.53.58.55

REMARKS.

Trawl C

TEMPERATURE RECORD.

Instrument used. [illegible]

Current number of observation. 394

Date. [illegible]

Locality. [illegible]

Bearings. [illegible] N

[illegible] N

Time of day. 1.10 ; of tide.

State of sky. Clear

Temperature of air. 63

" surface of water. 64

" at depth of fathoms.

" of bottom. 40 [illegible]

Depth, in fathoms. 365

Nature of bottom. Sand

Direction of ~~surface current~~. [illegible] N

Force of ~~surface current~~. do 3

Direction of ~~bottom current~~. [illegible] N

Force of ~~bottom current~~. do 2

Name of vessel. Fish Hawk

To what service attached. U. S. F. C.

Name and rank of commanding officer.

[illegible]

Name and position of observer.

[illegible]

REMARKS.

TEMPERATURE RECORD.

Instrument used. [illegible]

Current number of observation. [illegible]

Date. [illegible]

Locality. [illegible]

Bearings. [illegible] N

[illegible]

Time of day, 3.17 : of tide.

State of sky, Clear

Temperature of air, 62

" surface of water, 68

" at depth of fathoms,

" of bottom, 42 [illegible]

Depth, in fathoms, 238

Nature of bottom, ~~[illegible]~~ Mud

Direction of ~~surface current~~, Wind N 70

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~. Drift N

Force of ~~bottom current~~, do 1 1/2

Name of vessel, Fish Hawk

To what service attached. U. S. F. C.

Name and rank of commanding officer.

[illegible]

Name and position of observer,

[illegible]

REMARKS.

Form C

TEMPERATURE RECORD.

Instrument used, N Y

Current number of observation, 576

Date, Nov 16, 1900

Locality, Atlantic

Bearings, Lat. 37 26 N.

Long. 74 15.00, W.

Time of day, 6 20 am, of tide.

State of sky, clear

Temperature of air, 52

" surface of water, 62 (46605)

" at depth of fathoms,

" of bottom, 55 (46603)

Depth, in fathoms, 56

Nature of bottom, Sand & Shells

Direction of ~~surface current~~, NNW

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, NNW

Force of ~~bottom current~~, do 1/2 N

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

H J L Lemmon

Name and position of observer,

Lorin Pratt

REMARKS.

Transcr

TEMPERATURE RECORD.

Instrument used, N 7

Current number of observation. 897

Date, Mar 15 / 00

Locality, Atlantic

Bearings, Lat. 37.25 N

Long – 74.18 W

Time of day, 10.10 am ; of tide.

State of sky, Lc

Temperature of air, 62

" surface of water, 62 (44433)

" at depth of fathoms.

" of bottom, 48 (44433)

Depth, in fathoms, 157 1/2

Nature of bottom, Mud + Sand

Direction of ~~surface current~~, Mixt N

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Light N

~~Force~~ of ~~bottom current~~, do 1 m

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Lt J L Lemmon

Name and position of observer,

Hr Van Kirk

REMARKS.

Travel

TEMPERATURE RECORD.

Instrument used, N 2

Current number of observation, 598

Date, Mon 10/00

Locality, Albemarle

Bearings, Lat - 37.24 N.

Long - 74.17 W

Time of day, 11.25 am; of tide,

State of sky, Cl

Temperature of air, 60

" surface of water, 62 (40 fms)

" at depth of fathoms.

" of bottom, 44 (40 fms)

Depth, in fathoms, 300

Nature of bottom, M

Direction of ~~surface current~~, Mid E W

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Weight W

Force of ~~bottom current~~, do 1 M

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Lt J L Lawson

Name and position of observer,

Mr Vane Wilt

REMARKS.

TEMPERATURE RECORD.

Instrument used, N 1/ 899

Current number of observation,

Date, [illegible] 16 [illegible]

Locality, [illegible]

Bearings, [illegible] 3 D. 2 [illegible] 4

[illegible]

Time of day, [illegible] 2 p.m. ; of tide,

State of sky, [illegible]

Temperature of air, 58

" surface of water, 61

" at depth of fathoms,

" of bottom, 54

Depth, in fathoms, 57 1/2

Nature of bottom, [illegible]

Direction of ~~surface current~~, [illegible]

Force of ~~surface current~~, [illegible]

Direction of ~~bottom current~~, [illegible]

Force of ~~bottom current~~, [illegible] 1/2 m

Name of vessel, [illegible]

To what service attached, W S [illegible]

Name and rank of commanding officer,

[illegible]

Name and position of observer,

[illegible]

REMARKS.

Travel

TEMPERATURE RECORD.

Instrument used. N 7

Current number of observation. 900

Date. Nov 16

Locality. Atlantic

Bearings. Lat 32-12 n.

Long 74-40 w

Time of day. 4 pm ; of tide.

State of sky. Clear

Temperature of air. 55

" surface of water. 59

" at depth of fathoms.

" of bottom. 56

Depth, in fathoms. 31

Nature of bottom. Sand

Direction of ~~surface current~~. Mind S W

Force of ~~surface current~~. do 2

Direction of ~~bottom current~~. Light W

Force of ~~bottom current~~. do 1/2

Name of vessel. Fish Hawk

To what service attached. U. S. F. C.

Name and rank of commanding officer.

Lt G L Lemmon

Name and position of observer.

Dr Van Vleck

REMARKS.

TEMPERATURE RECORD.

Instrument used, N Z

Current number of observation, 901

Date. Nov 16/80

Locality. Atlantic

Bearings, Left 37.0 T.
Aug 75.0 T.

Time of day, 7.15 pm : of tide,

State of sky, Bright Moonlight

Temperature of air, 53

" surface of water, 60

" at depth of fathoms,

" of bottom,

Depth, in fathoms, 18

Nature of bottom, sand

Direction of ~~surface current~~, Winds NW

Force of ~~surface current~~, do 2

Direction of ~~bottom current~~, Drift

Force of ~~bottom current~~, do

Name of vessel, Fish Hawk

To what service attached, USFC

Name and rank of commanding officer,

Lt F L. Lamman

Name and position of observer,

Hor Van Vliet

REMARKS.

Oyster Bridge

TEMPERATURE RECORD.

Instrument used, N7

Current number of observation, 902

Date, Dec 9 1880

Locality, Potomac River

Bearings, Pt. Lookout S.E. x E 3¼ m

Time of day, 9.55 am; of tide,

State of sky, Clear

Temperature of air, 30

" surface of water, ~~55~~ 50 46405

" at depth of fathoms,

" of bottom, 40 46402

Depth, in fathoms, 3

Nature of bottom, Oyster bank.

Direction of ~~surface current~~, Wind NW

Force of ~~surface current~~, do 3

Direction of ~~bottom current~~, Drift NW

Force of ~~bottom current~~, do 5 Minutes

Name of vessel, Fish Hawk

To what service attached, US F.C.

Name and rank of commanding officer,

Lt J L Lawson.

Name and position of observer,

Hr VV

REMARKS.