1888
From 1286 to 1335

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1286 to 1335

$\frac{2\,4}{9}$

1286

Specimens Obtained
Shorts Flat fish. Sea Robbins
Lumbrus Star fish, Hermit crabs

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1286

Date, Sept 6th 88

Locality, Menemsha Bight Vineyard Sound

Bearings, Gayhead N 1/2 W Cuttyhole N N W
Tarpaulin Cove N N E 1/4 E

Time of day, 11.22 AM ; of tide, Ford

State of sky, bc

Temperature of air, 63

" surface of water, 63

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 9

Nature of bottom, Sand

Direction of ~~surface current~~ wind, North

Force of ~~surface current~~ wind 4

Direction of ~~bottom current~~ tide, S x E 1/2 E mag 18

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer, John Lowe Pierce
Master U S N

1207

REMARKS.

Squamus Ahlamus
Lobster Flat fish, Crates.
Sea Robbins Star fish, Hermit Crab

TEMPERATURE RECORD.

Instrument used, Bean Trawl

Current number of observation. 1287

Date, Sept 6th 88

Locality, Menemsha Bight - Vineyard Sound

Bearings, Gay Head N 1/4 W Cuttyhunk N x W 7/8 W
Tarpaulin Cove N x E 3/4 E

Time of day, 11.37 Am ; of tide. Ebb

State of sky, Dr

Temperature of air. 62

" surface of water, 65

" at depth of fathoms.

" of bottom, 63

Depth, in fathoms, 8 1/4

Nature of bottom. , Sand

Direction of ~~surface current~~ wind, N

Force of ~~surface current~~ wind, 4

Direction of ~~bottom current~~ drift, S E x E 1/2 E Mag 1/8

Force of bottom current.

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer.

Thos Shelton
Mate U S N

1288

REMARKS.

Specimens Obtained
Skate flat fish sea Rabbits
Conchs star fish, Young scarp
Lund [illegible]

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1288

Date, Sept 6 88

Locality, Nonamesset Bight Vineyard Sound

Bearings, Cuttyhunk W x S Quicks Hole S S W

Tarpaulin Cove S E 3/4 E

Time of day, 11.55 am ; of tide, rising

State of sky, Clear

Temperature of air, 62

" surface of water, 65

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 8

Nature of bottom, Sand

Direction of ~~surface current~~ wind, North

Force of ~~surface current~~ wind, 4

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

Force of bottom current,

Name of vessel, U S Str Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Ensn USN.

Name and position of observer, J Ulmington
Ensn USN

1289

REMARKS.

Specimens Obtained
Winkles / Star fish. Razor fish shell.
Scallop shell. Winkle Spawn
~~Clam shell~~ Stones. Conch. Quahog
Shells. King Crabs

TEMPERATURE RECORD.

Instrument used, Oyster dredge

Current number of observation. 1289 21

Date. Sept 13

Locality, Narragansett Bay

Bearings, Conimicut Pt No N N E 1/8 E

Warwick Lt Sw 1/2 S Allen Rock beacon E 1/2 N

Time of day, 9.55 AM of tide. Flood 1 hr

State of sky, o c

Temperature of air. 65

" surface of water. 65

" at depth of fathoms.

" of bottom. 66

Depth, in fathoms, 2.5

Nature of bottom, Gray sand

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

Force of ~~surface current.~~ wind 2

Direction of ~~bottom current.~~ drift

Force of bottom current.

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer, J Henderson
Mate U S F C

1290

REMARKS.

Specimens Obtained are decaying stone

TEMPERATURE RECORD.

Instrument used, Oyster Bed [illegible]

Current number of observation. 1290 22

Date. ~~Narragansett Bay~~ Sept 13

Locality, Narragansett Bay

Bearings. Dominicut Lt No N & E 1/2 E

Warwick Lt SW 1/2 W. Allens Rock beacon E & N 1/2 N

Time of day, 10.10 AM ; of tide. Flood

State of sky, Vc

Temperature of air. 70

" surface of water, 66

" at depth of fathoms,

" of bottom. 67

Depth, in fathoms, 3

Nature of bottom, Mud

Direction of ~~surface current~~ Tide, NSW

Force of ~~surface current~~ Tide 2

Direction of bottom current.

Force of bottom current.

Name of vessel, U S F C Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, [illegible]
Master U S N

Name and position of observer. [illegible]
Master U S N

1291

REMARKS.

Specimens Obtained
Northing

TEMPERATURE RECORD.

Instrument used, Dipper thermometer

Current number of observation, 1291

Date, Sept 13th 88

Locality, Nanaimo Harbor

Bearings, Dominant to Ho N 26 1/4 E

Warnick Is S W & W Willow Rock Beacon E N E

Time of day, 10.30 : of tide, Half Flood

State of sky, Fair

Temperature of air, 70

" surface of water, 66.5

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 4

Nature of bottom, Mud

Direction of ~~surface current~~ Tide, Eastern

Force of ~~surface current~~ Tide, ——

Direction of bottom current.

Force of bottom current.

Name of vessel, U.S. Fish Hawk

To what service attached, No 176

Name and rank of commanding officer, James Crait
Master U.S.N.

Name and position of observer, J. Merrington
Master U.S.N.

1292

REMARKS.

Licenses Obtained
Permanent

TEMPERATURE RECORD.

Instrument used, Water Bottle

Current number of observation. 1292 24

Date, Sept 13th 88

Locality. Narragansett Bay

Bearings. Eminicut Lt Ho N x E 1/4 E

Warwick Lt N x S 1/4 S. Allens Rock Beacon N E x E 1/2 E

Time of day. 10 A.M. ; of tide. Flood

State of sky, Fair

Temperature of air, 72

" surface of water, 67.5

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 6.5

Nature of bottom, Mud

Direction of ~~surface current~~ wind Calm

Force of ~~surface current~~ wind

Direction of bottom current.

Force of bottom current.

Name of vessel, U.S.F.C. Fish Hawk

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

Name and rank of commanding officer, James Nimmo Master U.S.N.

Name and position of observer. J. Nelson Fitton Mate U.S.N.

1293

REMARKS.

Spermum album
in Tinct

TEMPERATURE RECORD.

Instrument used, Oyster Dredge

Current number of observation, 25

Date, Sept 13 81

Locality, Stonington Harbor

Bearings, Commission Pt N 0 North
Wannistock W 1/2 N, Allens Rock Beacon N E

Time of day, 11.10 am; of tide, 3 a Ebb

State of sky, Fa

Temperature of air, 72

" surface of water, 67

" at depth of fathoms,

" of bottom, 67

Depth, in fathoms, 4

Nature of bottom, Mud

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

Force of ~~surface current~~ Wind, 2

Direction of bottom current,

Force of bottom current,

Name of vessel, U S C S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Lieut U S N

Name and position of observer, [illegible]
Lieut U S N

REMARKS.

Specimens found
Flat fish Spider Crabs
Oyster & scallop shells, Young
Scup Dead Winkles, Hermit
Crab, & Clam shells

TEMPERATURE RECORD.

Instrument used, Bacon Thermometer

Current number of observation. 12 Sur

Date, Sept 13th 88

Locality. Stonington Harbor

Bearings. Lighthouse S 70 W

Monument N 1/2 E Mouth Cove beacon S 8 1/2 E

Time of day, 1 3 P.M.; of tide, 3 2 Hour

State of sky, Fair

Temperature of air, 72

" surface of water, 67

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 4

Nature of bottom, Mud

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

Force of ~~surface current~~, Wind 2

Direction of bottom current,

Force of bottom current,

Name of vessel, U S F Fish Commission

To what service attached, U S F C

Name and rank of commanding officer, James A Lyon Master U S N

Name and position of observer, J M Leighton Master U S N

1295

REMARKS.

Pecinus Obtained
from Co. Lagille Flat fish
Flat fish Tiger [illegible]
Crab. Near Clam shells
Dist Sp.

TEMPERATURE RECORD.

27

Instrument used, Beam Trawl

Current number of observation. 129.

Date, Sept 13th 88

Locality. Narragansett Bay

Bearings, Conimicut Pt N 1/4 W

Nannimoit N x 3/4 E Allens Rock Beacon N E x E

Time of day, [illegible] ; of tide. 3 hr Flood

State of sky, Cl

Temperature of air, 71

" surface of water, 67

" at depth of fathoms,

" of bottom. 66

Depth, in fathoms, 3.5

Nature of bottom, Mud

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

Force of ~~surface current~~, Wind 2

Direction of bottom current.

Force of bottom current,

Name of vessel, U.S. Fish Hawk

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

Name and rank of commanding officer. James E. Smith
Master U.S.N.

Name and position of observer. J. M. Leighton
Mate U.S.N.

1296

REMARKS.

[illegible]

TEMPERATURE RECORD.

Instrument used, Beaum Board 28

Current number of observation, 1296

Date, Sept 13 82

Locality, Stonington Harbor

Bearings, Cuttyhunk Pt Ho N 1/4 W

Warwick Neck W 1/4 N, Allen Rock beacon N 28 E

Time of day, 12 00 3 Pm; of tide, 3 25 Flood

State of sky, Clear

Temperature of air, 72

" surface of water, 67.5

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 8.2

Nature of bottom, Mud

Direction of ~~surface current~~ wind, N NW

Force of ~~surface current~~ wind, 3

Direction of bottom current,

Force of bottom current.

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James E Smith
Commander

Name and position of observer, J H Wainwright
Watch Officer

1297

REMARKS.

Specimens obtained
same as 1296
with the exception of m. dor. fish

TEMPERATURE RECORD.

29

Instrument used, Brown Thermometer

Current number of observation. 1297

Date. Sept 13th 86

Locality. [illegible]

Bearings. [illegible]

Time of day. 11.15 AM : of tide. [illegible]

State of sky, b c

Temperature of air. 72

" surface of water, 69

" at depth of fathoms,

" of bottom. 66.5

Depth, in fathoms. 11

Nature of bottom. Sand

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

Force of ~~surface current~~, Mean 2

Direction of bottom current,

Force of bottom current.

Name of vessel. [illegible]

To what service attached, No 676

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

1298

REMARKS.

Specimens Obtained
Black Mussels & Shells
Stonefish. Winkles Flat fish

TEMPERATURE RECORD.

Instrument used, Pettman Thermometer

Current number of observation, 1298

Date, Sept 13th 88

Locality, Narragansett Bay

Bearings, Conimicut Pt N 15 W & N 3/4 W

Warwick Ledge S 1/2 W, Allens Rock beacon E 3/4 N

Time of day, 12.38 PM : of tide, High Water

State of sky, Dc

Temperature of air, 72

" surface of water, 68.5

" at depth of fathoms,

" of bottom, 66.5

Depth, in fathoms, 5

Nature of bottom, Mud

Direction of ~~surface current~~ wind, Ne 1/4 N

Force of ~~surface current~~ wind, 3

Direction of bottom current.

Force of bottom current.

Name of vessel, Ves Str Fish Hawk

To what service attached, No 076

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

REMARKS.

Maximum Obtained
Rock sponge & cockle shells
stones. 3 starfish. blind razor
fish shells. Two drills crabs

TEMPERATURE RECORD.

Instrument used. Negretti & Zambra

Current number of observation. 1295

Date. Sept 18th 88

Locality. Narragansett Bay

Bearings. [illegible] N by W

Warwick St. Allens Point Beacon E by S

Time of day. 1.30 Phase of tide. High Water

State of sky. Vc

Temperature of air. 69

" surface of water. 67

" at depth of fathoms.

" of bottom. 67

Depth, in fathoms. 5.7

Nature of bottom. Mud

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

Force of ~~surface current~~ Wind. 3

Direction of bottom current.

Force of bottom current.

Name of vessel. U S Ls Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer. Lieut Commdr [illegible] Master U S N

Name and position of observer. [illegible] Master U S N

1800

REMARKS.

Specimen Obscurum
Lithog 24 - 4 [illegible]

TEMPERATURE RECORD.

Instrument used, Negretti & Zambra

Current number of observation. 13

Date, Sept 13th 88

Locality, Narragansett Bay

Bearings, Conanicut Pt Hq N N W

Warwick Pt & N½ W. Dam Rock [illegible]

Time of day, 6.54 : of tide, 1 hr 15 m Ebb

State of sky,

Temperature of air. 72

" surface of water, 66.5

" at depth of fathoms.

" of bottom, 66

Depth, in fathoms. 3.5

Nature of bottom. Sand

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

Force of ~~surface current.~~ Wind 3

Direction of bottom current.

Force of bottom current.

Name of vessel, U.S. Fish Hawk

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

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

Master U.S.N.

1301

REMARKS.

Specimen Obtained
Pike fish, King Crabs, Flat fish
Spider Crabs, Hermit Crabs
Windle shrimp, [illegible] Mussels
Conchs, Scallop shells

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1301

Date, Sept 13th 88

Locality, Narragansett Bay

Bearings, Conimicut Lt No N W 1/4 W

Warwick Lt. S W & W 1/2 W. Allens Rock beacon E & N 1/4 N

Time of day, 2 1/2 PM ; of tide, 1 hr 2 m Ebb

State of sky,

Temperature of air, 72

" surface of water, 66

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 4

Nature of bottom, Mud

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

Force of ~~surface current~~, Wind 3

Direction of bottom current.

Force of bottom current,

Name of vessel, U S F C Fish Hawk

To what service attached, 2676

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer, J M Leighton
Master U S N

1302

REMARKS.

Specimens Obtained
Flat fish Winkles Dead
Oyster + Scallop Shells. Hermit
Crab + Lady Crabs

TEMPERATURE RECORD.

Instrument used, Bacon Thermometer

Current number of observation, 1302

Date, Sept 13th 98

Locality, Sea off Mount Desert

Bearings, Dominicus pt N 30 W x N 1/2 N

Hamilton's W x S 3/4 S, Atlantic Neck Beacon N E x E

Time of day, 2.24 PM ; of tide, 1h 2m Ebb

State of sky, Vc

Temperature of air, 72

" surface of water, 67

" at depth of fathoms,

" of bottom, 65

Depth, in fathoms, 5.5

Nature of bottom, Mud

Direction of surface current,

Force of surface current,

Direction of ~~bottom current~~ Wind W N W

Force of ~~bottom current~~ Wind 3

Name of vessel, U.S.F.C. Schr Grampus

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

Name and rank of commanding officer, James A Barnette
Mate U.S.F.C.

Name and position of observer, [illegible]
Mate U.S.F.C.

1303

REMARKS.

Specimens Obtained
Oyster & clam shells / Antiquities
/ Egypt

TEMPERATURE RECORD.

Instrument used, Reversing Thermometer

Current number of observation, 1303

Date, Sept 13th 88

Locality, Casco Passage Maine

Bearings, Cushing Ledge N 30° W 1 1/2 M
Marmaduke Ledge W 1/2 S Allens Rock Beacon N E 1/4 E

Time of day, 2.34 pm ; of tide, 1 hr 24 m Ebb

State of sky, Clear

Temperature of air, 72

" surface of water, 67

" at depth of fathoms,

" of bottom, 65

Depth, in fathoms, 5 1/2

Nature of bottom, Mud

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

Force of ~~surface current~~ wind, 3

Direction of bottom current,

Force of bottom current,

Name of vessel, U S F C Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Lovett
Master U S N

Name and position of observer, J M Lunstedt
Fish Hawk

1304

REMARKS.

Specimens obtained
Flat fish Hermit crabs
Spider crabs Sea urchins
Shells & stones Star fish 1

TEMPERATURE RECORD.

Instrument used, Blum Thermometer

Current number of observation, 1304

Date, Sept 13th 88

Locality. Tow off Annette Bay

Bearings, Eminence Sta No 1 N 3/4 W

Marrinda to N p/l Allen Rock beacon N E 1/2 N

Time of day, 2.46 PM ; of tide. 1st Ebb

State of sky, Bc

Temperature of air, 72

" surface of water, 67

" at depth of fathoms,

" of bottom, 65.5

Depth, in fathoms, 4.15

Nature of bottom, Sand

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

Force of ~~surface current~~, Wind 4

Direction of bottom current,

Force of bottom current,

Name of vessel, Sch Ida Finch Nautical

To what service attached, Sch 17 L

Name and rank of commanding officer, James A Smith Chief Mate

Name and position of observer, [illegible] Chief Mate

1305

REMARKS.

Specimens Obtained
Flat fish, Spider Crabs, Cancer
Hairs, Pipe fish, Dead oyster &
Scallops shells

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1305

Date, Sept 18 88

Locality, Narragansett Bay

Bearings, [illegible]

[illegible] Allens Rock [illegible]

Time of day, 2.55 PM ; of tide, 1 hr Ebb

State of sky, [illegible]

Temperature of air, 73.5

" surface of water, 67

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 5

Nature of bottom, Mud

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

Force of ~~surface current~~, Wind 3

Direction of bottom current,

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, USFC

Name and rank of commanding officer, James E Smith Lieutenant

Name and position of observer, [illegible] Lieutenant

1306

REMARKS.

[illegible]
Carolina & Tennessee Still

TEMPERATURE RECORD.

Instrument used, Negretti & Zambra

Current number of observation, 1056 35

Date, August 14 1880.

Locality. Providence River

Bearings, Conimicut Lt S & E

Bullocks Pt S 83½ E Nayatt Pt E N E

Time of day, 10 AM ; of tide. 10 AM Flood

State of sky, hz

Temperature of air, 50

" surface of water, 69

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 8

Nature of bottom, Mud

Direction of ~~surface current~~ wind

Force of ~~surface current~~ wind

Direction of bottom current,

Force of bottom current,

Name of vessel, U S C S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

1307

REMARKS.

Pecten Albicans
Star fish flat fish Dabs [illegible]
shell Mussel shells Limpets
Lobster scallop shell Lyes
Crabs, [illegible]

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1307 39

Date, Sept 17 88

Locality, Providence River

Bearings, Gaspee Pt S 1/2 E & S 1/4 S
Bullocks Pt S & E 3/4 E Nayatt Pt East

Time of day, 11.59 am; of tide, 1 hr 2' flood

State of sky, Oc

Temperature of air, 66

" surface of water, 64

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 7 1/2

Nature of bottom, Sandy

Direction of ~~surface current~~ wave, South

Force of ~~surface current~~ wind, 2

Direction of bottom current,

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Lamb
Chief Officer

Name and position of observer, —
J Milton Turner
Chief Officer

1308

REMARKS.

Specimens Obtained
[illegible] Gray [illegible] Waik [illegible]
Chiton [illegible] [illegible] [illegible] Permit
Crabs Conch [illegible]. Oyster & Clam and
scallop shell.

TEMPERATURE RECORD.

40

Instrument used, Reeves Tank

Current number of observation, 1308

Date, Sept 17 88

Locality, Providence River

Bearings, Gaspee Pt S 83¼ S
Bullocks Pt N W Sayre Pt E & S

Time of day, 12.06 ; of tide, 1.32 [illegible]

State of sky, clear

Temperature of air, 52

" surface of water, 64

" at depth of fathoms,

" of bottom, 64.5

Depth, in fathoms, 28½

Nature of bottom, [illegible]

Direction of ~~surface current~~, South

Force of ~~surface current~~, 2

Direction of ~~bottom current~~, West

Force of bottom current,

Name of vessel, U S F C Fish Hawk

To what service attached, No 876

Name and rank of commanding officer, Lieut H Dimick
U S N

Name and position of observer, J Crichton
Mate U S F C

1309

REMARKS.

Specimens obtained
same as 1308 except no star fish

TEMPERATURE RECORD.

41

Instrument used, Beam Trawl

Current number of observation, 1089

Date, [illegible]

Locality, Providence River

Bearings, [illegible]

Time of day, 7.49 : of tide, 1h 30m Ebb

State of sky, Cloudy

Temperature of air, 68

" surface of water, 66

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 8

Nature of bottom, Mud

Direction of ~~surface current~~ Wind,

Force of ~~surface current~~ Wind,

Direction of ~~bottom current~~ Drift,

Force of bottom current,

Name of vessel, [illegible]

To what service attached, [illegible]

Name and rank of commanding officer, [illegible]

Name and position of observer, [illegible]

1310

REMARKS.

Specimen Offaments

Shells, Crabs, Winkles, flat fish.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1310 42

Date, Sept 17 88"

Locality, Providence River

Bearings, Conimicut Pt & Pt & B

Rutlidges Pt Smith. Hayat Pt & E & E

Time of day, 7.54 ; of tide, 1st 2d Ebb

State of sky, Cloudy

Temperature of air, 68

" surface of water, 66

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 4 1/2

Nature of bottom, Mud

Direction of ~~surface current~~ wind, S

Force of ~~surface current~~ wind, 2

Direction of ~~bottom current~~ wind,

Force of bottom current,

Name of vessel, U S F C Kimball

To what service attached, U S F C

Name and rank of commanding officer, James Smith
Chief Mate

Name and position of observer, J M Leighton
Chief Mate

REMARKS.

—

Specimen Stained
Spider Crabs Flat fish
Grey scale

TEMPERATURE RECORD.

Instrument used, Bacon Thermometer

Current number of observation, 1311 43

Date, Sept 17

Locality, Providency River

Bearings, Eminicut [illegible] S

Pillar [illegible] Sabinsle N 1/2 W

Time of day, 7 57 ; of tide, 1 h 2 m Ebb

State of sky, Cloudy

Temperature of air, 68

" surface of water, 66

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 4 1/4

Nature of bottom, Mud

Direction of ~~surface current~~ Wind, S

Force of ~~surface current~~ Wind, 2

Direction of ~~bottom current~~ Wind,

Force of bottom current,

Name of vessel, Yol [illegible] Hawk

To what service attached, Yol 76

Name and rank of commanding officer, [illegible] Smith
Master U.S.N.

Name and position of observer, [illegible]
Master U.S.N.

112

REMARKS.

[illegible]
[illegible]
[illegible]
[illegible]

TEMPERATURE RECORD.

Instrument used, Beam Board

Current number of observation, 1212 44

Date, Sept 17th 87

Locality, Providence River

Bearings, Carpenter Pt S E X S

Bullocks Pt N E X E 1/4 E Sabins Pt North

Time of day, 8.04 ; of tide, 1st 2nd Ebb

State of sky, Cloudy

Temperature of air, 68

" surface of water, 66

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 5

Nature of bottom, Mud

Direction of ~~surface current~~ wind, South

Force of ~~surface current~~ wind, 2

Direction of ~~bottom current~~ drift

Force of bottom current,

Name of vessel, U S C S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Lieut USN

Name and position of observer, J M Leighton
Lieut USN

1313

REMARKS.

Specimen obtained
Minkels Flat Fish Spider
Crabs Oyster & Scallop Shells

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation. 1813 — 5

Date, Sept 19 89

Locality. Providence River

Bearings. Conimicut Lt S E x S 1/2 S
Bullocks Lt S E x E 1/4 E Sabins Lt North

Time of day. 8-09 : of tide. 1 h 25 Ebb

State of sky, Cloudy

Temperature of air, 68.5

" surface of water, 66.5

" at depth of fathoms,

" of bottom, 66

Depth, in fathoms, 6 1/2

Nature of bottom, Mud

Direction of ~~surface current~~ wind, South

Force of ~~surface current~~ wind, 2

Direction of ~~bottom current~~ tide,

Force of bottom current.

Name of vessel, U S Str Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer, Lieut. L. Coinette
U S N

Name and position of observer, J Milnes Patton
U S N

1314

REMARKS.

Specimens Obtained:
King ~~Crab~~. Flat fish, Lady crab
Hermit & Spider Crabs, Pony shrimp
~~[illegible]~~ Winkle oyster Limpet & Scallop
shells.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1314 66

Date, Feb 19 [illegible]

Locality, Nantucket Bay

Bearings, Eminent Ledge S 1/2 W Nantucket Lt S W 3/4 W Monomoy Lt W 1/4 N Mean Rock Beacon S E 1/2 E

Time of day, 9 P.M. ; of tide, 1/2 Ebb

State of sky, Cloudy

Temperature of air, 59

" surface of water, 64

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 7 3/4

Nature of bottom, Mud

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

Force of ~~surface current~~ Wind 3

Direction of ~~bottom current~~ Water.

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Carroll Master U S N

Name and position of observer, [illegible] Master U S N

1315

REMARKS.

Specimens Obtained
Fish & Hermit-Crabs. Bean
Shells. Clams. Flat fish & calloh
Small stone fish.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation. 1315 67

Date, Sept 19 [illegible]

Locality. Narragansett Bay

Bearings. Conimicut St Hy N by W x N 3/4 N

Warwick Co W 1/2 S. Allens Rock beacon N 63/4 W

Time of day, 10.22 ; of tide. Ebb

State of sky, Cloudy

Temperature of air, 58

" surface of water, 64.5

" at depth of fathoms,

" of bottom. 63

Depth, in fathoms, 6

Nature of bottom, Mud

Direction of ~~surface current.~~ wind N N W

Force of ~~surface current.~~ wind 3

Direction of ~~bottom current,~~ Wind

Force of bottom current,

Name of vessel, U S Str Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, Lieut Smith Chief Officer

Name and position of observer,

J M Leighton Chief Officer

1316

REMARKS.

Specimens Obtained
Skate Flatfish Hake
Squillia Porgy cup, Squids
King Crabs, Butterfish, Sea
shells. Hermit-Crab, Winkle
stones.

TEMPERATURE RECORD.

Instrument used, Bean Trawl

Current number of observation. 1816 68

Date, Sept 19

Locality, Narragansett Bay

Bearings, [illegible]

Time of day, 10 30 ; of tide, Ebb 1/2

State of sky, Cloudy

Temperature of air, 68

" surface of water, 65

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 8

Nature of bottom, Mud

Direction of ~~surface current~~ Wind N N W

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ Wind

Force of bottom current,

Name of vessel, U S Str Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer. [illegible]

Name and position of observer. [illegible]

1317

REMARKS.

Specimens Obtained
King crabs, spider, "hermit" crabs
flat fish, kelp, beach asparagus
& oyster shells.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1317 69

Date, Sept 19th 88

Locality, Narragansett Bay

Bearings, Conanicut St. No N W x N

Warwick St. W 6 N. Mumford house N E x E 1/2 E

Time of day, 11.20 am; of tide, Ebb

State of sky, Cloudy

Temperature of air, 60

" surface of water, 64.5

" at depth of fathoms,

" of bottom, 60

Depth, in fathoms, 6 1/2

Nature of bottom, Sand

Direction of ~~surface current~~ wind N N W

Force of ~~surface current~~ wind 2

Direction of ~~bottom current~~ tide

Force of bottom current,

Name of vessel, U.S. Fish Hawk

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

Name and rank of commanding officer, James A. Lovett
Ensign

Name and position of observer, J. Leighton
Ensign

1318

REMARKS.

Specimens Obtained

10 Starfish, Flat fish, King crabs
Winkel, Hermit crabs, Spider
crabs, Hog chokers

TEMPERATURE RECORD.

Instrument used, Bacon Trawl

Current number of observation, 1318 70

Date, Sept 19th 88

Locality, Narragansett Bay

Bearings, Conimicut Lt Ho S W & N

Warwick Lt S W & W 1/4 W Allens Rock beacon E & N

Time of day, 11.35 AM ; of tide, Ebb 3' low

State of sky, Cloudy

Temperature of air, 60

" surface of water, 65

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 7

Nature of bottom, Mud

Direction of ~~surface current~~ wind, N N W

Force of ~~surface current~~ wind, 2

Direction of ~~bottom current~~ tide,

Force of bottom current,

Name of vessel, U S Str Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Cmdr USN

Name and position of observer, [illegible]
Cmdr USN

1319

REMARKS.

Specimens Obtained
King Cove Sheffield Hill Side
Dennis & Spider Cove, Kelsey
oyster & scallop shells

TEMPERATURE RECORD.

Instrument used, Bean Trawl.

Current number of observation. 1319 71

Date, Sept 19th 81

Locality, Narragansett Bay

Bearings, Jamestown St Ho N W 3/4 W

Prudence St S W 1/2 W. Allens Rock Salem E 1/2 S

Time of day, 11 a.m. ; of tide. Ebb 3h 2m

State of sky, Cloudy

Temperature of air, 60

" surface of water, 65

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 5

Nature of bottom, Mud & shell

Direction of ~~surface current~~ wind N N W

Force of ~~surface current~~ wind 2

Direction of ~~bottom current~~ wind

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer. James A Lovett
Master U S N

Name and position of observer, J Linsley Poston

1320

REMARKS.

Specimens Obtained
Crew 2 cup Flat fish Skate
4 star fish, Spider & hermit crab
Mean oyster & scallop shells

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation, 1320 72

Date, Sept 19' 88

Locality, Providence River

Bearings, Conimicut Lt N 18½ E

Bullocks Lt N 14½ W Nyatt Pt N 2

Time of day, 1.45 Pm ; of tide, Flood 1h 2½

State of sky, Cloudy

Temperature of air, 67

" surface of water, 67.5

" at depth of fathoms,

" of bottom, 65.5

Depth, in fathoms, ~~63~~ 25

Nature of bottom, Mud & Shells

Direction of ~~surface current~~, wind

Force of ~~surface current~~, wind 2

Direction of ~~bottom current~~, West East

Force of bottom current, Land

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, [illegible]

Master U S N

Name and position of observer, [illegible]

Master U S N

1321

REMARKS.

Specimens Obtained
Hot pink spider crabs
King crabs skate, Pipe fish
Sculpin, Sand oyster & scallop
shell.

TEMPERATURE RECORD.

Instrument used, Beam Trawl

Current number of observation. 1321 73

Date. Sept 19th 98

Locality, Providence Room

Bearings. Cuttyhunk Lt S 5/8 E

Rockweed Lt S W x W Nayatt Pt E x S

Time of day, 1.58 PM : of tide. Flood 1½ hrs

State of sky, Cloudy

Temperature of air, 67

" surface of water, 65.5

" at depth of fathoms.

" of bottom, 65

Depth, in fathoms, 6 1/4

Nature of bottom, Grand & shell

Direction of ~~surface current~~ wind. N & W

Force of ~~surface current~~ wind, 2

Direction of ~~bottom current~~ drift.

Force of bottom current.

Name of vessel, U S C & G Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A [illegible]

Name and position of observer, [illegible]

Naturalist

1322

REMARKS.

Specimen obtained
[illegible] Sale. [illegible]
[illegible] & [illegible] & Mussel shell

TEMPERATURE RECORD.

Instrument used, Sean Grand

Current number of observation. 1322 74

Date, Sept 19th 00

Locality. Providence River

Bearings. Conimicut S-S 1/4 E

Bullocks S-SE 3/4 S Nayat Pt E x S 1/2 S

Time of day. 2.22 PM: of tide. 1st Ebb flood

State of sky, Cloudy

Temperature of air, 66

" surface of water, 65.5

" at depth of fathoms.

" of bottom, 64

Depth, in fathoms, 4 3/4

Nature of bottom. Sand & gravel

Direction of ~~surface current~~ wind. W by W

Force of ~~surface current~~ wind, 2

Direction of bottom current.

Force of bottom current.

Name of vessel. Fish Hawk

To what service attached, No 8 Fly

Name and rank of commanding officer. James S Smith
Lieut Comdr USN

Name and position of observer.
J H Wright
Chief Eng USN

1323

REMARKS.

TEMPERATURE RECORD.

Instrument used, Negretti & Zambra

Current number of observation. 1323 75

Date. Sept 24

Locality. Prov River

Bearings. Carnomiel St S 2 W 1/8 W

Bullocks St N W. Stump at pt S E 1/4 E

Time of day, 11.15 AM ; of tide. High water

State of sky, Oc

Temperature of air, 58

" surface of water, 64

" at depth of fathoms,

" of bottom, 62.5

Depth, in fathoms, 2 3/4

Nature of bottom, Hard Sand

Direction of ~~surface current~~ wind. N N E

Force of ~~surface current~~ wind. 3

Direction of bottom current,

Force of bottom current.

Name of vessel. Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer. James E Smith
Captain

Name and position of observer. J Loughton
Chief Eng

1324

REMARKS.

Specimens Obtained
Land, water & devil of shells and
& sponges.

TEMPERATURE RECORD.

Instrument used, Aspin Bridge

Current number of observation. 1324 76

Date. Sept 24

Locality, Pow River

Bearings. Commicut Dr S ½ E

Bullocks Pt N W ¼ N Nayat Rk S E ¾ E

Time of day. 1,15 PM : of tide. 1° Dr Ebb

State of sky, Partly Cloudy

Temperature of air. 58

" surface of water, 64.5

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 2 3/4

Nature of bottom, Hard

Direction of ~~surface current~~ wind N N E

Force of ~~surface current~~ wind 3

Direction of bottom current.

Force of bottom current.

Name of vessel. Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer. James E Smith
Capt U S N

Name and position of observer. [illegible]
Quartermaster

1325

REMARKS.

Specimens of Mollusks
Small Oyster & Scallop shells
Hermit Crabs varnished shells
[illegible]

TEMPERATURE RECORD.

Instrument used, Napton Sounder

Current number of observation. 1325 77

Date, Sept 24 86

Locality. Pro[illegible] River

Bearings. Connimicut Lt S 7/8 E

Bullocks Lt N 1/8 W Sargent Pt S 3/4 E

Time of day, 1.35 ; of tide. 1st Ebb

State of sky, Clear

Temperature of air. 58

" surface of water, 64.5

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 3 1/2

Nature of bottom, Hard

Direction of ~~surface current~~ Wind N N E

Force of ~~surface current~~, 3

Direction of bottom current.

Force of bottom current.

Name of vessel. Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer. [illegible] United States

Name and position of observer. [illegible] United States

1326

REMARKS.

Specimens Obtained.
Rock sponge. Clean dry & scattered shells.

TEMPERATURE RECORD.

Instrument used, Negretti & Zambra

Current number of observation, 1326 — 78

Date, Aug 24 88

Locality, Prov River

Bearings, Luminicut Lt E 1/2 E

Rutiorbes Lt N 1/2 W Stay at Pt E

Time of day, 1.54 Pm of tide, 1 2m Ebb

State of sky, b c

Temperature of air, 58

" surface of water, 64

" at depth of fathoms,

" of bottom, 63

Depth, in fathoms, 2

Nature of bottom, Hard

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

Force of ~~surface current~~ wind, 3

Direction of bottom current,

Force of bottom current,

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]

1827

REMARKS.

Specimens Indiana
1 Black Mussels and dead Shells
+ 2 star fish,

TEMPERATURE RECORD.

Instrument used, Oyster Mendozen

Current number of observation, 1327 79

Date, Sept 24

Locality, Point River

Bearings, Carrimicut Pt S 1/4 E

Bullock Pt N 3/4 W Nayatt Pt SE by S

Time of day, 2.10 PM ; of tide, 1° 2h Ebb

State of sky, Cl

Temperature of air, 58

" surface of water, 64.5

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 10 1/2 feet

Nature of bottom, Hard

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

Force of ~~surface current~~ Wind, 3

Direction of bottom current,

Force of bottom current,

Name of vessel, Fish Hawk

To what service attached, 26 & 76

Name and rank of commanding officer, Lieut Commdr [illegible]

Name and position of observer, [illegible]

1328

REMARKS.

Specimens obtained
dead claws and note shell.
3 starfish 2 winkles.

TEMPERATURE RECORD.

Instrument used, Oyster Dredge

Current number of observation, 1328 = 80

Date, Sept 24 98

Locality, Prior River

Bearings, Carrimicut Pt S 1/2 E

Rullocks Pt W x W 1/4 W Stay at Pt S E x S

Time of day, 2.20 PM; of tide, 2 hr Ebb

State of sky, Clear

Temperature of air, 58

" surface of water, 64.5

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 11 feet

Nature of bottom, Sand

Direction of ~~surface current~~ Wind, N. N E

Force of ~~surface current~~ Wind, 3

Direction of bottom current,

Force of bottom current,

Name of vessel, No 1 Fish Hawk

To what service attached, No 1 76

Name and rank of commanding officer, James R Smith Master U.S.N.

Name and position of observer, J Mclaughlin Master U.S.N.

1329

REMARKS.

Specimens obtained
clear clam, Oyster, and
scallop shells.
2 Starfish

TEMPERATURE RECORD.

Instrument used, Oyster shell S

Current number of observation, 1329 # 81

Date, Sept 24

Locality, Vineyard Sound

Bearings, Lanimicut Pt. South

Bullocks Pt. N.W. Orange Pt. S.E. 1/4 E

Time of day, 2.34 ; of tide, 2" 2r Ebb

State of sky, bc

Temperature of air, 58

" surface of water, 64.5

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 2 3/4

Nature of bottom, Sand

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

Force of ~~surface current~~ wind, 2

Direction of bottom current,

Force of bottom current,

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Master U.S.N.

Name and position of observer, J M Leighton
Master U.S.N.

1330

REMARKS.

Specimens obtained
near Chance & near agt. shells
Seaweed & grass

TEMPERATURE RECORD.

Instrument used, Negretti & Zambra

Current number of observation, 1330 = 85

Date, Aug 9 L

Locality, Pamlico River

Bearings, Cunningham Lt S 1/4 W

Rudrodes Lt N W & W 1/2 W Stayat Pt S E & S 1/4 S

Time of day, 3.12 P.M. ; of tide, 1/2 Ebb

State of sky, Clear

Temperature of air, 60

" surface of water, 64

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 8 1/2 feet

Nature of bottom, Sand

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

Force of ~~surface current~~ wind, 3

Direction of bottom current,

Force of bottom current,

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James E Ennis
Master U.S.N.

Name and position of observer, J Nelson Stone
Master U.S.N.

1332

REMARKS.

[illegible]
Lead Alum - [illegible]
Lea [illegible] & [illegible]

TEMPERATURE RECORD.

Instrument used, Center Bridge

Current number of observation. 13 3k - 86

Date, Sept 24

Locality, Pass Kean

Bearings. Cuttyhunk A-S½W

Buzzards A-N½N¾W Stage at Pt S E½S¾S

Time of day, 3.24 : of tide. ½ Ebb

State of sky, Clear

Temperature of air, 60

" surface of water, 65

" at depth of fathoms,

" of bottom, 65

Depth, in fathoms, 6 feet

Nature of bottom, Sand

Direction of ~~surface current~~ Tide, N & E

Force of surface current, 3

Direction of bottom current.

Force of bottom current.

Name of vessel, Fish Hawk

To what service attached. U S F C

Name and rank of commanding officer James A Smith Mate U S F

Name and position of observer, J M Leighton Mate U S F

1333

REMARKS.

Specimen Attained
Summer Proof

TEMPERATURE RECORD.

Instrument used, Negretti & Zambra

Current number of observation. 1882 & 87

Date. Sept 24 86

Locality. Pro River

Bearings. Lighthouse S.E. S & W

Bellevue E.S.E. W.S.W. & W. Stragatt S.E. & S.1/2 S

Time of day, 3.30 : of tide. 3 Low Ebb

State of sky, Fr

Temperature of air, 60

" surface of water, 65

" at depth of fathoms,

" of bottom, 65.5

Depth, in fathoms. 4 feet

Nature of bottom. Sand

Direction of ~~surface current.~~ N.N.E.

Force of ~~surface current.~~ wind 13

Direction of bottom current.

Force of bottom current.

Name of vessel, Fish Hawk

To what service attached, U.S. Fish

Name and rank of commanding officer, [illegible]

[illegible]

Name and position of observer, [illegible]

[illegible]

1334

REMARKS.

Head Oyster & clam shells. Sea weed & grass.

TEMPERATURE RECORD.

Instrument used, Ryder Negretti #88

Current number of observation. 1333

Date, Sept 24

Locality. Pine River

Bearings. Cuttyhunk Pt S x W 1/4 W
Rulloches Pt W 1/2 W Nayatt Pt S x S

Time of day, 3.35 ; of tide. 3 2nd Ebb

State of sky, Clear

Temperature of air, 60

" surface of water, 64.5

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 5 feet

Nature of bottom, Sand

Direction of ~~surface current~~ wind. N N E

Force of ~~surface current~~ wind 4

Direction of ~~bottom current~~ weight

Force of bottom current,

Name of vessel, Fish Hawk

To what service attached, No 676

Name and rank of commanding officer James A Smith
Mate U.S.F.C.

Name and position of observer. J M Leighton
Mate U.S.F.C.

1885

REMARKS.

new oyster shells
S Stafford

TEMPERATURE RECORD.

Instrument used, Negretti & Zambra 89

Current number of observation, 1334

Date, Sept 28th 88

Locality, Pass River

Bearings, Terminal Rock S 7/8 E
Bullocks Cove N Marjat Pt S 3/4 E

Time of day, 11.30 am : of tide, 4" Ex flood

State of sky, Cloudy

Temperature of air, 61

" surface of water, 64

" at depth of fathoms,

" of bottom, 65

Depth, in fathoms, 2 3/4

Nature of bottom, Sand

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

Force of ~~surface current~~ wind, 2

Direction of ~~bottom current~~ weather

Force of bottom current,

Name of vessel, Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer, J M Leighton
Mate U S N

1336

REMARKS.

Specimen Obtained
1 star fish & dead oyster shells

TEMPERATURE RECORD.

Instrument used, Oyster Abrdgn

Current number of observation, 1335 '90

Date, Sept 25 68

Locality, Provo River

Bearings, Cemetery Pt S X E

Bullocks Pt N X W 1/4 W Navy at Pt SE 1/4 S

Time of day, 11.45 : of tide, 4 2r flood

State of sky, Cloudy

Temperature of air, 65

" surface of water, 64

" at depth of fathoms,

" of bottom, 64

Depth, in fathoms, 2 3/4

Nature of bottom, Sand

Direction of ~~surface current~~ wind N E

Force of ~~surface current~~ wind 2

Direction of ~~bottom current~~ drift

Force of bottom current,

Name of vessel, Fish Hawk

To what service attached, 76 & 76

Name and rank of commanding officer, James A Smith
Mate USN

Name and position of observer, J Merlenghton
Mate USN

REMARKS.

14-2 19" 6, 1/2
15-1/4 "
5 1/2
20, 6

44 15
53, 58

91-
2 Stonpipe dead oyster shells
93 dead oyster Shells
101
103
104
118
119