

1874 + 1888
1236 to 1285

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1236 to 1285

10-25 am Log no. 86.00

Menasha Bight

1. 2.5 miles south of 7m 25

1247 1/2

Long	up	70-40
up		<u>8</u>
		70 58

41.22
<u>0.14</u>
42.57.30 W
<u>70 58 W</u>

Lat 24.50

up	<u>10-30</u>
	21 57-30

1247	trip to E Rim	3/8 miles
1248	" " "	3/8 "

8881.47881

1236

Specimens Obtained

~~At~~

Flounders starfish dead shell
Cannons.

TEMPERATURE RECORD.

Instrument used, *Bean Trawl*

Current number of observation, *1286*

Date, *Aug 30 1887*

Locality, *Block Island Sound*

Bearings, *Lighthouse light N 85 E 1/2 S 1/2 S 1/2 E*

Romans Land 66 1/2 E 1/4 S

Time of day, *9.03 am*, of tide, *W*

State of sky, *bc*

Temperature of air, *65*

" surface of water, *62*

" at depth of _____ fathoms,

" of bottom, *60*

Depth, in fathoms, *19.5*

Nature of bottom, *hard*

Direction of ~~surface current~~ *wind* *SSW*

Force of ~~surface current~~ *wind* *2*

Direction of ~~bottom current~~ *drift* *S 1/2 E 3/4*

Force of bottom current,

Name of vessel, *U S S Fish Hawk*

To what service attached, *U S F C*

Name and rank of commanding officer, *Jamieson Smith*
Master of R

Name and position of observer, *J. M. Smith*
Master of R

137

REMARKS.

Specimens Obtained
Flounders, Hair Shell, Lobsters
Skate Eel

TEMPERATURE RECORD.

Instrument used, *Beaman Travel*

Current number of observation, *1287*

Date, *Aug 30th 1867*

Locality, *Block Island Sound*

Bearings, *Lighthouse Lt - S 82 W*

No Name Land S 82 1/2 E 5/8 E Lighthouse Lt S 82 W

Time of day, *12 AM*; of tide, *W*

State of sky, *bc*

Temperature of air, *67*

" surface of water, *64*

" at depth of _____ fathoms,

" of bottom, *58*

Depth, in fathoms, *20*

Nature of bottom, *Hard*

Direction of ~~surface~~ *surface* current, *Drift*

Force of ~~surface~~ *surface* current, *0*

Direction of ~~bottom~~ *bottom* current, *Drift*

3/4

Force of bottom current,

Name of vessel, *U.S. Fish Hawk*

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

Name and rank of commanding officer, *James B. Smith*

Name and position of observer,

J. S. Smith
Master

1228

REMARKS.

Specimens obtained
Taken from shells + rocks

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

TEMPERATURE RECORD.

Instrument used, *Dodge*

Current number of observation, *1238*

Date, *Aug 30th 1887*

Locality, *Block Island Sound*

Bearings, *Lay Head Lt E 1/4 N*

Light House N E 1/4 N - In frame Land S S E

Time of day, *10.45 am*; of tide, *W*

State of sky, *bc*

Temperature of air, *65*

" surface of water, *64*

" at depth of fathoms,

" of bottom, *61*

Depth, in fathoms, *20 E*

Nature of bottom, *Sand & broken shell*

Direction of ~~surface~~ *wind* *South*

Force of ~~surface~~ *wind* *2*

Direction of ~~bottom~~ *drift*

1/2

Force of bottom current,

Name of vessel, *U.S. Fish Hawk*

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

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

Name and position of observer, *John Smith*
Master U.S.N.

1239

REMARKS.

Specimens Obtained
Shale Sculpin *Gaidropsarus flounders*

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1239*

Date, *August 30th 1887*

Locality, *Block Island Sound*

Bearings, *Ken + Chicken Light Ship N 88 1/4 E*

Cullyhunk Lt N E. To Main Land S E 3/4 E

Time of day, *11.35 am*; of tide, *W*

State of sky, *bc*

Temperature of air, *65*

" surface of water, *62*

" at depth of fathoms,

" of bottom, *61*

Depth, in fathoms, *16*

Nature of bottom, *Hard*

Direction of ~~surface current~~ *Wind SW*

Force of ~~surface current~~ *Wind 2*

Direction of ~~bottom current~~ *drift*

1/2

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 *Josiah Smith*
Mate Nelson

Name and position of observer,

J. M. Lighton
Mate U.S.F.

1240

REMARKS.

Specimens Obtained
Hail Skates & Gull fish
Flounders & star fish

TEMPERATURE RECORD.

Instrument used, *Bean Trawl*

Current number of observation, *1245*

Date, *August 20th 1887*

Locality, *Block Island Sound*

Bearings, *Vineyard Sound Lt Ship N 70 1/2 W*

Gayhead E 1 3/4 S to main Land SSE 1/2 E

Time of day, *12.44 P.M.*; of tide, *W*

State of sky, *bc*

Temperature of air, *64*

" surface of water, *62*

" at depth of fathoms,

" of bottom, *60*

Depth, in fathoms, *18.5*

Nature of bottom, *Blue mud*

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

Force of ~~surface current~~ *wind 2*

Direction of ~~bottom current~~ *drift A* *1/2*

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. Smith*
Master U.S.N.

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

1246

REMARKS.

Specimens Obtained

Dead shells Hermit crabs

Specimens Obtained
Spider Crabs. Horse shoe crabs
Starfish and dead ~~shell~~^{gull}
live shell + Squid.

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*
Current number of observation, *1242*
Date, *Sept 5th 1887*
Locality, *Vineyard Sound*
Bearings, *Bishop + Larkes St - E 1/2 N*
Successet St Ship W 1/4 N
Time of day, *10.50 am*; of tide, *E*
State of sky, *bc*
Temperature of air, *70*
" surface of water, *68*
" at depth of _____ fathoms,
" of bottom, *69.*
Depth, in fathoms, *18*
Nature of bottom, *Sand + Shale*
Direction of ~~surface current~~, *wind East*
Force of ~~surface current~~, *wind 2*
Direction of ~~bottom current~~, *drift N N W 1/4*
Force of bottom current,
Name of vessel, *U.S.S. Fish Hawk*
To what service attached, *U.S.F.C.*
Name and rank of commanding officer, *James Smith*
Master USN
Name and position of observer,
John Smith
Master USN

1248
REMARKS.

Specimens obtained
from shell rock sponge

1244
REMARKS.

Specimens Obtained
from shells

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TEMPERATURE RECORD.

Instrument used, *trapez*

Current number of observation, *1244*

Date, *Sept 5th 1887*

Locality, *Vinyard Sound*

Bearings, *Hyannis W 6 x N 1/2 W*

Bishop & Clark S 1/2 E 1/2 W Succowset S 1/2 Ship W 1/2 S

Time of day, *11.54 Am*; of tide, *W*

State of sky, *ca*

Temperature of air, *70*

“ surface of water, *67*

“ at depth of _____ fathoms,

“ of bottom, *69.5*

Depth, in fathoms, *5.5*

Nature of bottom, *Sand Mud Shell*

Direction of ~~surface~~ *Wind* current, *East*

Force of ~~surface~~ *Wind* current, *2*

Direction of ~~bottom~~ *drift* current, *W x N* *1/4*

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 Smith*
Master U.S.N.

Name and position of observer, *G. M. S. M. S.*
Master U.S.N.

1245
REMARKS.

Specimens Obtained

Winkles - Hermit Crabs
a few live Clams and
many dead Clam shells
Keep mud & Eel grass
a few small fish - Skup and
Sea robbers

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation. *1245*

Date, *Sept 5th 1887*

Locality, *Off Hoyaunis*

Bearings *Hoyaunis St - N $6\frac{1}{4}$ W*

Bishop + Clerks St - E $8\frac{1}{4}$ S *Collins Beacon*
W x N $7\frac{1}{4}$ W

Time of day, *12.22 P.M.* of tide. *W*

State of sky, *b-c*

Temperature of air, *68*

.. surface of water, *68*

.. at depth of _____ fathoms,

.. of bottom, *69.5*

Depth, in fathoms, *4.5*

Nature of bottom, *fine shell*

Direction of ~~surface~~ *Wind* *South*

Force of ~~surface~~ *Wind* *3*

Direction of ~~bottom~~ *drift* *W x N* *1/2*

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 Smith*

Name and position of observer,

J. M. Lighton
Master USFV

1246

REMARKS.

Specimens Obtained
conclus Horse shoe Crabs
Stone

TEMPERATURE RECORD.

Instrument used, *Beam Therm*

Current number of observation, *1246*

Date, *Sept 5 1887*

Locality, *off Hyannis*

Bearings, *Hyannis Pt NE 1/2 E*
Leather Beach Pt Euc corner SE 87 1/2 S

Time of day, *1 PM* ; of tide, *W*

State of sky, *bc*

Temperature of air, *68*

“ surface of water, *68*

“ at depth of _____ fathoms,

“ of bottom, *69.5*

Depth, in fathoms, *5.5*

Nature of bottom, *Sand & Shell*

Direction of ~~surface~~ current, *Wind SW*

Force of ~~surface~~ current, *Wind 2*

Direction of ~~bottom~~ current, *Drift NW 1/2*

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 Smith*
Master USN

Name and position of observer, *J. M. Livingston*
Master USN

1247

REMARKS.

Specimens Obtained

Land dollars Starfish
Hair skate flounder + shells
Sea urchins Petrels.

1247

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1247*

Date, *Sept-6th 1887*

Locality, *South of Martha Vineyard 25^{miles}*

Bearings, *Lat 41° 00' 45" Lon 71° 00' 05"*

Time of day, *9.49 am*; of tide, *E*

State of sky, *bc*

Temperature of air, *67*

“ surface of water, *65*

“ at depth of *15* fathoms, *62*

“ of bottom, *53.5*

Depth, in fathoms, *27*

Nature of bottom, *Sand*

Direction of surface current, *Wind SW*

Force of surface current, *Wind 4*

Direction of bottom current, *SE 1/2 E 3/8*

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 Smith Mate U.S.F.C.*

Name and position of observer, *J. M. Smith*
Quartermaster

1248

REMARKS.

Specimens Obtained

Large fish flounders Pecten

Nautilus, Yellow sponge, Sea Robbino

sand dollars.

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TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1248*

Date, *Sept 6th 1887*

Locality, *Smith's of Marthas Vineyard*

Bearings, *1 mile N & E of Port Training 24*

Lat 41° 02' 00" Long 71° 00' 00"

Time of day, *10. 39 am* of tide.

State of sky, *bc*

Temperature of air, *68*

" surface of water, *64*

" at depth of *15* fathoms, *63*

" of bottom, *ss*

Depth, in fathoms, *26.5*

Nature of bottom, *Sand*

Direction of surface current, *Wind SW*

Force of surface current, *4*

Direction of bottom current, *Drift N 8 1/2 W 3/8*

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 Smith
Master*

Name and position of observer,

*J. M. Nighton
Mate U.S.F.C.*

1249

REMARKS.

Specimens Obtained

Sand dollars, flounders, hake

Skate, scallops

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1249*

Date, *Sept 6th 1887*

Locality, *South of Martha's Vineyard ~~2 1/2~~ ⁴ miles*

Bearings, *2 miles S & E of last bearing is ~~2~~ ^{2 1/2} miles*

Lat *41° 04' 00"* Lon *70° 59' 30"*

Time of day, *11.29 am*, of tide.

State of sky, *bc*

Temperature of air, *67*

“ surface of water, *64*

“ at depth of *12* fathoms, *63*

“ of bottom, *57*

Depth, in fathoms, *225*

Nature of bottom, *1 sand*

Direction of ~~surface~~ *wind SW*

Force of ~~surface~~ *wind 4*

Direction of ~~bottom~~ *drift - N E 1/2 N* *3/8*

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 Smith*
Master U.S.F.C.

Name and position of observer, *J. M. Wright*
Master U.S.F.C.

1250

REMARKS.

Specimens Obtained
Hurons sand dollar
shell Hawk Scaup

40 7 2 5

on 1000 1000

~~1000~~
~~1000~~
~~1000~~

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1250*

Date, *Sept 6th 1887*

Locality, *South of Martha's Vineyard*

Bearings, *3 miles N x E of last bearing*

Lat 41° 06.00" Lon 70° 59.15"

Time of day, *12.30 PM*; of tide, *—*

State of sky, *Cloudy*

Temperature of air, *67*

" surface of water, *64*

" at depth of *10* fathoms, *65*

" of bottom, *58.5*

Depth, in fathoms, *20.5*

Nature of bottom, *1 sand*

Direction of ~~surface~~ *Wind* *SW*

Force of ~~surface~~ *Wind* *4*

Direction of ~~bottom~~ *Drift* *N 6 1/2 E* *3/4*

Force of bottom current.

Name of vessel, *U.S.S. Fish Hawk*

To what service attached, *U.S. 76*

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

Name and position of observer, *John H. ...*
mate U.S.N.

1251

REMARKS.

Specimens Obtained
Skate sand dollar Hair
Flounders Sculpin

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*
Current number of observation, *1254*
Date, *Sept 6th 1887*
Locality, *Smiths Martha's Vineyard*
Bearings, *4 miles N + E of last bearing* ^{*1 1/2 miles*}
Lat *41° 10' 00"* Lon *70° 59' 05"*
Time of day, *1.36 PM* ; of tide.
State of sky, *bc*
Temperature of air, *67*
" surface of water, *64*
" at depth of *10* fathoms, *62*
" of bottom, *60*
Depth, in fathoms, *17*
Nature of bottom, *Sand*
Direction of ~~surface~~ ^{*Wind*} current, *S W*
Force of ~~surface~~ ^{*Wind*} current, *4*
Direction of ~~bottom~~ ^{*Drift*} current, *N E 1/2 N* *3/8*
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 Smith*
Master U.S.N.
Name and position of observer,
J. M. S. S. S.
Master U.S.N.

1252

REMARKS.

Specimens Obtained
Starfish Skate Flounder
Sand Crabs

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1252*

Date, *Aug 20* 1898

Locality, *Menomachus River*

Bearings, *Saybrook Mt. N 1/4 W*

Topographic line N 2 1/2 E 2 1/2 miles Hole North

Time of day, *1050* ; of tide, *East*

State of sky, *bc*

Temperature of air, *69*

" surface of water, *65*

" at depth of ~~65~~ fathoms,

" of bottom, *63*

Depth, in fathoms, *10*

Nature of bottom, *Sand*

Direction of ~~surface current~~ *Mud* *N W*

Force of ~~surface current~~ *Wind* *4*

Direction of ~~bottom current~~ *Drift* *N N W 1/2 E*

Force of bottom current,

Name of vessel, *U.S.S. Fish Hawk*

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

Name and rank of commanding officer, *James Smith*
Master U.S.F.C.

Name and position of observer, *Amelia Johnston*
Master U.S.F.C.

1253

REMARKS.

Specimens Obtained

Sand dollars. Conchs. Flounders.
Starfish and Crabs. Kelp

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1253*

Date, *Aug 28* 1888

Locality, *Menemsha Light*

Bearings, *Impoundin lead or N E 7/8 E*

Bay head W or W. Quicks Hole N or W

Time of day, *11.05 am*; of tide, *Ebb*

State of sky, *bc*

Temperature of air, *69*

" surface of water, *64*

" at depth of _____ fathoms,

" of bottom, *63*

Depth, in fathoms, *10*

Nature of bottom, *Sand*

Direction of ~~surface~~ current, *N or W*

Force of ~~surface~~ current, *4*

Direction of ~~bottom~~ current, *drift - N or W 1/4*

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 Smith
Master U.S.F.C.*

Name and position of observer, *Jordan Light
Master U.S.F.C.*

1254

REMARKS.

Specimens Obtained

Leptosternus crabs Sea Robins Skate

Flounders & ~~Crabs~~ Kelp

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1254*

Date, *August 28 1888*

Locality, *Memphis River*

Bearings, *Terrestrial level N 2 5/8 E*

Gay head N 2 N Linder Hole N 2 N 3/4 W

Time of day, *11, 23* ; of tide, *East*

State of sky, *bc*

Temperature of air, *68.5*

" surface of water, *64.5*

" at depth of _____ fathoms,

" of bottom, *63*

Depth, in fathoms, *9*

Nature of bottom, *Sand*

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

Force of ~~surface~~ *wind* current, *4*

Direction of ~~bottom~~ *drift* current, *N W 1/4*

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 Smith
Mate U.S.A.*

Name and position of observer,

*J. M. Livingston
Mate U.S.A.*

1255

REMARKS.

Specimens Obtained
Kelp Skate Clam shells Flounders
Skid + eggs

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1255*

Date, *August 23rd 1889*

Locality, *Memphis Light*

Bearings, *Impairin low N N E*

Gayhead N N W 1/4 N Sucker Hole N N W 1/4 W

Time of day, *11:45* ; of tide, *East*

State of sky, *bc*

Temperature of air, *68.5*

“ surface of water, *65*

“ at depth of _____ fathoms,

“ of bottom, *63*

Depth, in fathoms, *104*

Nature of bottom, *Sand*

Direction of ~~surface~~ *wind* current, *sw*

Force of ~~surface~~ *wind* current, *4*

Direction of ~~bottom~~ *drift* current, *sw 1/4*

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 Smith
Mate U S F C*

Name and position of observer,

*J. M. Lighter
Mate U S F C*

1256

REMARKS.

Specimens Obtained
Kelp Sand Bottom

TEMPERATURE RECORD.

Instrument used, *Abney*

Current number of observation, *1256*

Date, *Aug 23rd 1888*

Locality, *Vineyard Sound*

Bearings, *West end to frame land $3\frac{3}{4}^{\circ} E$*

Vineyard $3\frac{1}{2}^{\circ}$ S of Ship Mr. Gayhead $SE \times S\frac{1}{4} S$

Time of day, *12.36 PM* ; of tide, *East*

State of sky, *bc*

Temperature of air, *62*

“ surface of water, *64*

“ at depth of _____ fathoms,

“ of bottom, *61*

Depth, in fathoms, *16*

Nature of bottom, *Sand broken shells*

Direction of ~~surface current~~, *Wind SW*

Force of ~~surface current~~, *Wind 4*

Direction of ~~bottom current~~, *drift E x N $\frac{1}{4}$*

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 Smith
Master USN*

Name and position of observer, *J. M. Nighton
Master USN*

1257

REMARKS.

Specimens Obtained
Kelp Rock sponge, Skate
Sand Dollars, Cummins

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1257*

Date, *Aug 23rd 1898*

Locality, *Vineyard Sound*

Bearings, *Vineyard Lt Ship's St + W 1/2 W*

Coastly bank St + W 1/2 W *Lighthead SE 3/4 E*

Time of day, *1.38 P.M.*; of tide, *East*

State of sky, *b c*

Temperature of air, *64*

" surface of water, *64*

" at depth of _____ fathoms,

" of bottom, *59*

Depth, in fathoms, *14*

Nature of bottom, *Sand broken shells*

Direction of ~~surface current~~, *Wind West*

Force of ~~surface current~~, *Wind 3*

Direction of ~~bottom current~~, *Drift NNE 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 H. Smith
Master U.S.N.*

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

1258

REMARKS.

Specimens obtained
Sea Robbers Hairs skate &
Flounders. Help

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*
Current number of observation, *1258*
Date, *Aug 23rd 88*
Locality, *Vineyard Sound*
Bearings, *Vineyard Pt Ship N 40 W*
cuttyhunk N 40 W 1/2 S Gayhead S E 1/4 E
Time of day, *1.26 P.M.* ; of tide, *West*
State of sky, *bc*
Temperature of air, *63.5*
" surface of water, *64*
" at depth of _____ fathoms,
" of bottom, *59*
Depth, in fathoms, *15.5*
Nature of bottom, *Sand*
Direction of ~~surface~~ current, *Wind West*
Force of ~~surface~~ current, *Wind 3*
Direction of ~~bottom~~ current, *Drift N x E 3/8*
Force of bottom current,
Name of vessel, *2666 Fish Hawk*
To what service attached, *26676*
Name and rank of commanding officer, *James A. Smith*
Master 2666
Name and position of observer, *J. M. L. H. H. H.*
Master 2666

1259

REMARKS.

Specimens Obtained
Yellow sponge skate Flounders
Kelp Haik

1260

REMARKS.

Specimens Obtained
Red Shell

TEMPERATURE RECORD.

Instrument used, *Alfred*
Current number of observation, *1260*
Date, *Aug 23rd 88*
Locality, *Vineyard Sound*
Bearings, *Vineyard to Ship N + S 1/2 N*
Butty bank S + E Gay head S E 1/2 E
Time of day, *2.30 PM*; of tide, *West*
State of sky, *bc*
Temperature of air, *65*
" surface of water, *64*
" at depth of _____ fathoms,
" of bottom, *60*
Depth, in fathoms, *16*
Nature of bottom, *Sand mud & broken shells*
Direction of ~~surface current~~ *Wind West*
Force of ~~surface current~~ *Wind 3*
Direction of ~~bottom current~~ *Drift N S W 1/4*
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,
Name and position of observer, *J. M. Johnston*
Mate U.S.F.

1261

REMARKS.

Specimens Obtained
Skate Hermit Crab Holk

TEMPERATURE RECORD.

Instrument used, *Beaufort Trawl*

Current number of observation, *1261*

Date, *August 23rd 88*

Locality, *Vineyard Sound*

Bearings, *Vineyard Lt Ship NW $\frac{3}{4}$ W
*Southwick E $\frac{1}{4}$ N $\frac{1}{4}$ W Bayhead NE $\frac{1}{8}$ E**

Time of day, *3:06 PM*; of tide, *great*

State of sky, *bc*

Temperature of air, *64.5*

“ surface of water, *63*

“ at depth of _____ fathoms,

“ of bottom, *61*

Depth, in fathoms, *14.5*

Nature of bottom, *Sand*

Direction of ~~surface current~~ *Wind West*

Force of ~~surface current~~ *Wind 3*

Direction of ~~bottom current~~ *Drift NE*

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,

Name and position of observer
*J. M. Lighton
 Mate U.S.F.*

1262

REMARKS.

Specimen Obtained

Head shell clams Hermit Crabs

Rock sponge Cufflers. Mussels

Skuid Scallop Sculp Sea Robbins

Shrimp. Spider Crabs

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1262*

Date, *Aug 28' 88*

Locality, *Off Falmouth Vineyard Sound*

Bearings, *Falmouth Heights N 27° E*

Subsided N 40° W 45 1/2 N 45° W 1/2 Chop S 11° S 86° E

Time of day, *10:14 Am*; of tide, *East*

State of sky, *bc*

Temperature of air, *65*

" surface of water, *67*

" at depth of _____ fathoms,

" of bottom, *68*

Depth, in fathoms, *5*

Nature of bottom, *Sandy*

Direction of surface current, *Wind N*

Force of surface current, *Wind S*

Direction of bottom current, *Drift N 2 X E 178*

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 W. Smith*
Master U.S.A.

Name and position of observer,

M. W. Wright
Master U.S.A.

1263

REMARKS.

Specimens Obtained
Same as 1262

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1263*

Date, *Aug 28' 88*

Locality, *Off Falmouth Vineyard Sound*

Bearings, *Falmouth Heights N E 5/8 N*

Ortakea Light N 48 1/4 S West Chop 32 1/2 S 1/4 S

Time of day, *10.2 AM*; of tide, *East*

State of sky, *bc*

Temperature of air, *64*

" surface of water, *67*

" at depth of fathoms,

" of bottom, *67*

Depth, in fathoms, *5*

Nature of bottom, *Sand*

Direction of ~~surface~~ *Wind* current, *NW*

Force of ~~surface~~ *Wind* current, *5*

Direction of ~~bottom~~ *Drift* current, *N E x N 1/8*

Force of bottom current,

Name of vessel, *U.S. Fish Hawk*

To what service attached, *USFB*

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

Name and position of observer,
Ambleigh
Master USN

1264

REMARKS.

Specimens Blained

Shell shell star fish sea urchins

Scallops flat fish gung a cup

Rock sponge sea weed + Eel grass

Conchs

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1261*

Date, *Aug 28 88*

Locality, *Off Falmouth Vineyard Sound*

Bearings, *Falmouth Neighs N 46 1/2 E*

Maha 20 No 10 1/4 S. Nut chop 20 No 8 1/2 E

Time of day, *10 48 am* ; of tide, *Ebb*

State of sky, *bc*

Temperature of air, *66*

" surface of water, *67*

" at depth of fathoms,

" of bottom, *67*

Depth, in fathoms, *8*

Nature of bottom, *Sand*

Direction of ~~surface~~ *current*, *NW*

Force of ~~surface~~ *current*, *5*

Direction of ~~bottom~~ *current*, *N 8 x E 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 Amist*
Master USN

Name and position of observer, *J. M. Light*
Master USN

1265

REMARKS.

Specimens Obtained

Dead shell sand Crabs Hermit Crabs

Rock sponges Eel grass

PROCEEDINGS OF THE U.S. GEOLOGICAL SURVEY

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation. *1265*

Date, *Aug 28* 88

Locality, *Off Falmouth Vineyard Sound*

Bearings, *Mid chop S 46 1/4 E*

Oblique to W 7/8 N. East chop S 2 1/4 E

Time of day, *11, 04* ; of tide, *East*

State of sky, *bc*

Temperature of air. *66*

“ surface of water, *67*

“ at depth of fathoms,

“ of bottom, *68*

Depth, in fathoms, *10*

Nature of bottom, *Sand*

Direction of ~~surface current~~, *Wind NW*

Force of ~~surface current~~, *Wind 5*

Direction of ~~bottom current~~, *Drift NE 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, *Jimmie Smith
Master*

Name and position of observer, *J. M. Smith
Master*

1888

1266

REMARKS.

Specimens Obtained
Longish claws spider crabs, sand
Crabs Scallops

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation. *1266*

Date, *Aug 28th 88*

Locality, *Hyannis Vineyard Sound*

Bearings, *Successor to Ship 20 x 1/2 +*

Collies Beacon N 7/8 E Bishop + Look Lt N 8 1/4 E

Time of day, *12, 14 P.M.* ; of tide, *East*

State of sky, *bc*

Temperature of air, *67*

“ surface of water, *70*

“ at depth of fathoms,

“ of bottom, *69.5*

Depth, in fathoms, *16.5*

Nature of bottom, *Sand*

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

Force of ~~surface current~~, *wind 5*

Direction of ~~bottom current~~, *drift N E*

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, *Jam. Smith*

Master U.S.F.C.

Name and position of observer,

J. M. Lighton
Master U.S.F.C.

1267

REMARKS.

Specimens obtained
from shell



TEMPERATURE RECORD.

Instrument used, *Hydrol*

Current number of observation, *1267*

Date, *Aug 28th 88*

Locality, *Hyannis Vineyard Sound*

Bearings, *Succowissett St Ship W x S*

Colliers Beacon N E 1/4 N. Bishop + Cladwell N E 1/4 E

Time of day, *12:45 P.M.* ; of tide, *Ebb*

State of sky, *bc*

Temperature of air, *66*

" surface of water, *69*

" at depth of _____ fathoms,

" of bottom, *69*

Depth, in fathoms, *15.5*

Nature of bottom, *Shall broken shells*

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

Force of ~~surface current~~, *Wind S*

Direction of ~~bottom current~~, *Drift N x E*

Force of bottom current,

Name of vessel, *U.S. Fish Com. S.S. Fish Hawk*

To what service attached, *U.S. Fish Com.*

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

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

1268

REMARKS.

Sullemus Pained
Spider Crabs. Sea Moss
Conchs



TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1268*

Date, *Aug 28th 88*

Locality, *Off Hyannis Vineyard Sound*

Bearings, *Succunnetta Lt Ship N 44 1/2 W
Callers Beacon Lt 4 3/4 N Richd Lt 4 1/2 N E X E 1/2 E*

Time of day, *12.55 PM*; of tide, *East*

State of sky, *bc*

Temperature of air, *65*

" surface of water, *68.5*

" at depth of _____ fathoms,

" of bottom, *69*

Depth, in fathoms, *17*

Nature of bottom, *Sand*

Direction of surface current, *Drift*

Force of surface current, *1 mile*

Direction of bottom current, *Drift N E X W*

Force of bottom current,

Name of vessel, *U.S. Fish Hawk*

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

Name and rank of commanding officer, *James A. Conrite
Master of U.S.*

Name and position of observer, *J. M. Lighter
Master of U.S.*

1269

REMARKS.

Specimens obtained
shell sand



TEMPERATURE RECORD.

Instrument used, *Wedge*

Current number of observation, *1269*

Date, *Aug 25 88*

Locality, *Off Hyannis Vineyard Sound*

Bearings, *Successor Lt Ship N 72 W 1/2 W*

Gallies Beacon N 8 E. Bishop + Cleaveland N 84 E 1/4 E

Time of day, *1.18 P.M.* ; of tide, *East*

State of sky, *bc*

Temperature of air, *64*

" surface of water, *68.5*

" at depth of _____ fathoms,

" of bottom, *69*

Depth, in fathoms, *13.*

Nature of bottom, *Sand*

Direction of ~~surface~~ *surface* current, *NW*

Force of ~~surface~~ *surface* current, *5*

Direction of ~~bottom~~ *bottom* current, *N 2 E*

1/4

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 Smith
Master*

Name and position of observer, *Spaulding
Master*

1270

REMARKS.

Specimens Obtained
Spiders, Snakes, Lizards. Some
moss, young sculpin, dead shells

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1270*

Date, *Aug 28th 88*

Locality, *Off Massachusetts Vineyard Sound*

Bearings, *Successor Let Ship W 1/2 N*

Callers Beam N 40th E. Bishop's Head N E 1/4 W

Time of day, *1.44 P.M.*; of tide, *East*

State of sky, *Cloudy*

Temperature of air, *65*

" surface of water, *68*

" at depth of _____ fathoms,

" of bottom, *69*

Depth, in fathoms, *13*

Nature of bottom,

Direction of surface current, *Drift NW*

Force of surface current, *Wind 5*

Direction of bottom current, *Drift N E x W*

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 Smith
Master*

Name and position of observer, *J. M. Lighton
Master*

1271

REMARKS.

Specimens Obtained
Spider Crabs Mussels & shells
Rock weed sponge



TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1271*

Date, *Aug 28' 88*

Locality, *Off Hyannis Vineyard Sound*

Bearings, *Co. Connecticut Lt Ship N W 1/8 W*

Coastiers Beacon. N 42 1/2 E. Bishop & Blackwell N E 2 E 3/4 E

Time of day, *2.10 P.M.*; of tide, *East*

State of sky, *Cloudy*

Temperature of air, *64*

“ surface of water, *68*

“ at depth of _____ fathoms,

“ of bottom, *68*

Depth, in fathoms, *10*

Nature of bottom, *Sand*

Direction of ~~surface current~~, *Wend NW*

Force of ~~surface current~~, *Wend 5*

Direction of ~~bottom current~~, *Wend E x W*

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*

Name and position of observer,

*James A. Smith
Master*

1272
REMARKS.

Specimens Obtained
Flat fish skate star fish Pelican
Gony saup crabs sea Robins



TEMPERATURE RECORD.

Instrument used, *Beam Trawl*
Current number of observation, *1272*
Date, *Sept 3rd 88*
Locality, *Monemsha Light Vineyard Sound*
Bearings, *Gay Head N 7/4 S*
Quicks Hole N 1/2 W Takaulin Cove N 8 1/2 W
Time of day, *10.58* ; of tide, *Went*
State of sky, *bc*
Temperature of air, *68*
" surface of water, *66*
" at depth of fathoms,
" of bottom, *6.4*
Depth, in fathoms, *7*
Nature of bottom, *Sand*
Direction of ~~surface~~ *Wind* *SE*
Force of ~~surface~~ *Wind* *3*
Direction of ~~bottom~~ *Wind* *SE 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 H. Smith*
Master U.S.N.
Name and position of observer, *John H. ...*
Master U.S.N.

1273

REMARKS.

Specimens Obtained
Same as 1272

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1273*

Date, *Sept 3rd 88*

Locality, *Menemsha Light Towing and Land*

Bearings, *Gay Head W 5/8 S*

Quicks Hole N 7/8 W Tapaquin Corl

Time of day, *11.15 am* ; of tide, *near*

State of sky, *bc*

Temperature of air, *68*

“ surface of water, *67.5*

“ at depth of _____ fathoms,

“ of bottom, *64*

Depth, in fathoms, *9*

Nature of bottom, *sand*

Direction of ~~surface~~ *wind* *SE*

Force of ~~surface~~ *wind* *3*

Direction of ~~bottom~~ *surf* *W 1/2 S mag 1/8*

Force of bottom current,

Name of vessel, *U.S. Fish Hawk*

To what service attached, *U.S. Fl*

Name and rank of commanding officer, *James M. Smith
Master USN*

Name and position of observer, *J. M. Smith
Master USN*

1274

REMARKS.

Specimens Obtained
Lobster skate sea Robbins Young
scup



TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1274*

Date, *Sept 3 88*

Locality, *Monomaha Rife Vineyard Sound*

Bearings, *Gayheads N 7/8 N*

Quicks Hole N 7/4 N Tarpanlin Cwd N x E 7/8 E

Time of day, *11:35 am* ; of tide, *West*

State of sky, *bc*

Temperature of air, *68*

“ surface of water, *66.5*

“ at depth of _____ fathoms,

“ of bottom, *64.5*

Depth, in fathoms, *8*

Nature of bottom, *Sound*

Direction of ~~surface~~ *wind* current, *SE*

Force of ~~surface~~ *wind* current, *3*

Direction of ~~bottom~~ *drift* current, *W 1/2 S mag 1/8*

Force of bottom current,

Name of vessel, *U.S. Fish Hawk*

To what service attached, *USFC*

Name and rank of commanding officer, *James Smith
Mate of the*

Name and position of observer, *J. M. Lighton
Mate of the*

1275

REMARKS.

Specimens Obtained
Same as 1274

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1275*

Date, *Sept 3rd 88*

Locality, *Menemsha Light Tineyard Ground*

Bearings, *Dayhead N 78 E*

Lighthouse N 20 1/2 W 1/2 S Pauline Cove N 28 3/4 E

Time of day, *11:00 am*: of tide, *low*

State of sky, *bc*

Temperature of air, *68*

“ surface of water, *69*

“ at depth of _____ fathoms,

“ of bottom, *64, 5*

Depth, in fathoms, *7*

Nature of bottom, *sand*

Direction of surface current, *W 8*

Force of surface current, *3*

Direction of bottom current, *drift N 8 W mag 7/8*

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, *Jamieson*

Name and position of observer, *Jamieson*

1276

REMARKS.

Specimens obtained
Sand dollars



Summer 2000

TEMPERATURE RECORD.

Instrument used, *Stanton Rake Hyd*

Current number of observation, *1276*

Date, *Sept 3rd 98*

Locality, *Vineyard Sound*

Bearings, *Lighthouse S 11^o 1/2 W*

Vineyard So Ship W 1/2 N Tar Paulin Cord S 27^o 8 N

Time of day, *12.27 PM*; of tide, *most*

State of sky, *bc*

Temperature of air, *68*

“ surface of water, *67*

“ at depth of _____ fathoms,

“ of bottom, *GLW*

Depth, in fathoms, *11.5*

Nature of bottom, *Sand & mud*

Direction of surface current, *Wind S E*

Force of surface current, *Wind 3*

Direction of bottom current, *Drift west 1/2 S 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 H. ... Master*

Name and position of observer, *John ... Master*

1277

REMARKS.

Specimen Obtained
and dollars



TEMPERATURE RECORD.

Instrument used, *Liberty Rate Hydrog*

Current number of observation, *1277*

Date, *Sept 3rd 88*

Locality, *Vineyard Sound*

Bearings, *Tanpaullie Cove N 82 E 1/2 S*

Vineyard to Ship N 82 E 1/2 S Gay head S 82 W 1/2 W

Time of day, *12.4 E. H. W.*; of tide, *neap*

State of sky, *b c*

Temperature of air, *68*

" surface of water, *65*

" at depth of _____ fathoms,

" of bottom, *64*

Depth, in fathoms, *12*

Nature of bottom, *Sand mud*

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

Force of ~~surface current~~ *Wind* *2*

Direction of ~~bottom current~~ *light* *W 1/2 S by mag 1/4*

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer, *James Hornick*
Master USN

Name and position of observer, *John H. Houghton*
Master USN

1278

REMARKS.

Specimens Obtained
Sand Dollars Skate Flat fish
Scallops, Hermit Crabs
Sea Urchins



TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1278*

Date, *Sept 3rd 88*

Locality, *Vineyard Sound*

Bearings, *Vineyard Is Ship 100 x 100 3/4 W*
Serpentine Is 100 x 100 1/2 W *Gayhead 80 x 100 3/4 W*

Time of day, *1.25 PM*; of tide, *low*

State of sky, *b c*

Temperature of air, *67*

" surface of water, *65*

" at depth of _____ fathoms,

" of bottom, *64*

Depth, in fathoms, *12.5*

Nature of bottom, *Sand*

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

Force of ~~surface~~ *wind* *2* current,

Direction of ~~bottom~~ *drift* *100 x 100 1/2 W mag 1/8* 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. Smith*
Master U.S.F.C.

Name and position of observer, *Stalderighton*
Master U.S.F.C.

1279

REMARKS.

Specimens Obtained
Sand dollars, Pectens flat fish
Sponges Sea Robbings, Hermit crabs
Hoik, Kelp Sea Urchins



TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1279*

Date, *Sept 3rd 88*

Locality, *Vineyard Sound*

Bearings, *Vineyard Lt Ship WNW*

Jarvis Pt Light WNW by head 8 1/2 S

Time of day, *1-54* ; of tide, *Went*

State of sky, *bc*

Temperature of air, *67*

" surface of water, *65*

" at depth of fathoms,

" of bottom, *64*

Depth, in fathoms, *15*

Nature of bottom, *Sand*

Direction of ~~surface current~~, *Wind SE*

Force of ~~surface current~~, *Wind 2*

Direction of ~~bottom current~~, *W 1/2 N 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,

Name and position of observer,

1280

REMARKS.

Specimens Obtained

Sand dollars, Star fish, Pectens
Sea Robbins, Sea Urchins Hermit Crabs
Sand crabs Flat fish, Sea Ravens



TEMPERATURE RECORD.

Instrument used, *Beam trawl*

Current number of observation, *1280*

Date, *Sept 3 88*

Locality, *Vineyard Sound*

Bearings, *Vineyard St Ship to NW 1/4 N*

Tarpaulin Cove to E 1/4 N Gayhead SW 1/4 S

Time of day, *2.10 PM*; of tide, *ebb*

State of sky, *b.c.*

Temperature of air, *72*

" surface of water, *69*

" at depth of _____ fathoms,

" of bottom, *63*

Depth, in fathoms, *16*

Nature of bottom, *Sand shell*

Direction of ~~surface~~ *Wind S E* current,

Force of ~~surface~~ *Wind 3* current,

Direction of ~~bottom~~ *Drift S 1/2 W mag 1/8* 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. Smith
Mate U.S.N.*

Name and position of observer, *J. M. Nightingale
Mate U.S.N.*

REMARKS.

Specimens Obtained
Henderson, Summers, ~~Parker~~
King Fish, Lantz

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TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1281*

Date, *Sept 5th 88*

Locality, *Vineyard Sound*

Bearings, *North to S ~~W~~ W 1/2 W*

North look S 1/4 W East look S 1/4 E

Time of day, *2.40 P.M.* ; of tide, *West*

State of sky, *bc*

Temperature of air, *70*

“ surface of water, *69*

“ at depth of _____ fathoms,

“ of bottom, *10*

Depth, in fathoms, *3*

Nature of bottom, *Sand*

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

Force of ~~surface~~ *surface* current, *2*

Direction of ~~bottom~~ *bottom* current, *S W 2 W 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
Master*

Name and position of observer, *J. M. Lightham
Master*

1282

REMARKS.

Specimens Obtained
Sand Corals Sea Robbins
Spider Crabs, Kelp, Seal
Shells,



TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1282*

Date, *Sept 5th 88*

Locality, *Vineyard Sound*

Bearings, *Northward 1/4 N*

West 1/2 S 5/8 W East 1/2 S x E 1/8 E

Time of day, *3 P.M.* ; of tide, *great*

State of sky, *bc*

Temperature of air, *70*

" surface of water, *67*

" at depth of _____ fathoms,

" of bottom, *68*

Depth, in fathoms, *5*

Nature of bottom, *Sand*

Direction of ~~surface current~~ *Wind SW*

Force of ~~surface current~~ *Wind 2*

Direction of ~~bottom current~~ *Ship SW x W mag 1/2*

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 Bennett
Master*

Name and position of observer,

1280

REMARKS.

Specimens Obtained
leucis crabs sponges
Spider crabs. Hermit crabs
Small shells Star fish



TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1283*

Date, *Sept 5th 88*

Locality, *Vineyard Sound*

Bearings, *North N 1/8 S*

West Chop S N 1/4 S East Chop S x N 3/4 N

Time of day, *3.38 P.M.*, of tide, *neap*

State of sky, *bc*

Temperature of air, *68*

" surface of water, *69*

" at depth of _____ fathoms,

" of bottom, *69*

Depth, in fathoms, *13*

Nature of bottom, *Sand*

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

Force of ~~surface current~~, *wind 3*

Direction of ~~bottom current~~, *wind S E x E 5/8 E mag 48*

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 Abbot
Master*

Name and position of observer,

*J. M. L. Thompson
Master*

1284

REMARKS.

Specimens Obtained
Spider Crabs, Hermit Crabs
Land Crabs, Mud Shells
Sponges



TEMPERATURE RECORD.

Instrument used, *Ream Therm*

Current number of observation, *1284*

Date, *Sept 5th 88*

Locality, *Vineyard Sound*

Bearings, *Whale w/2 N*

West Cape S w East Cape S w x S 1/2 S

Time of day, *4:07 PM* : of tide, *West*

State of sky, *bc*

Temperature of air, *68*

“ surface of water, *69*

“ at depth of _____ fathoms,

“ of bottom, *69*

Depth, in fathoms, *6*

Nature of bottom, *Sand*

Direction of ~~surface current~~, *Wind ESE*

Force of ~~surface current~~, *Wind 3*

Direction of ~~bottom current~~, *Went mag 1/4*

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 Smith
Mate*

Name and position of observer, *W. H. H. H.
Mate*

1285

REMARKS.

Specimens Obtained
Spider Crabs Sponge Sea Urchins
Young sculp. Small Fish

TEMPERATURE RECORD.

Instrument used, *Beam Trawl*

Current number of observation, *1285*

Date, *Sept 5th 88*

Locality, *Vineyard Sound*

Bearings, *Tarpaulin Cove N x S 1/4 S*

Gagehead S x W 7/8 W West Cape S E 1/4 S

Time of day, *5 P.M.* ; of tide, *East*

State of sky,

Temperature of air, *69*

" surface of water, *68*

" at depth of _____ fathoms,

" of bottom, *68*

Depth, in fathoms, *12*

Nature of bottom,

Direction of ~~surface current~~ *Wind*, *ESE*

Force of ~~surface current~~ *Wind*, *3*

Direction of ~~bottom current~~ *Drift*, *S x W mag*

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 Smith*
Master of U.S.F.C.

Name and position of observer,

J. M. Smith
Master of U.S.F.C.

REMARKS.

St ships S 95 W
 B & Cetera N 76. E
C Beacom N 55. E

Ships Head ~~N 45~~ E & N 2 N 1276
 Gay Head S 49 1/2 W
 Vineyard St ships N 74 1/2 W
 Tarpanlin head N 40 1/2 E

In Yorkport - 13
 to Yorkmouth 15 -
 Aug 28"