

1849 to 1898

July 10-93 to Aug 23rd 1894

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1849 to 1898

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1849*
 Date, *July 10* 1893
 Time of day, *10.10 am*; of tide, *Flood*
 Locality, *2 1/2 miles S of Norman's Land*
 Exact position, *Gay Head S 40 W 1/2 E 9 miles*
Century's bank S 40 W 1/2 W 14 1/2 miles
 Depth, *15 fms*
 Nature of bottom, *Mud &*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *S 2 E*; distance, *1/4 mile*
 Temperature of air, *67* therm. No.,
 " of surface water, *64* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *80.24.2* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.09*
 State of sky, *clear*
 Direction of wind, *with*; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Platt*
Lieut - U.S.N.
 Name and position of observer,
J. M. Lighton
Master

NOTES RELATING TO STATION NO. 1849

Take flounders
Whitings and chollers
skate

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1850*
 Date, *July 10. 1893*
 Time of day, *10.34 a.m.*; of tide, *Flood*
 Locality, *4 1/2 miles S of Roman's Land*
 Exact position, *Gay head S. No. N 1/4 E 10 1/2 miles*
Leathybank S. No. N 1/4 W 16 miles
 Depth, *17 fms*
 Nature of bottom, *Hard mud*
 Dredging instrument used, *Beam trawl*
 Direction of drift, *NE*; distance, *1/4 mile*
 Temperature of air, *68* therm. No.,
 " of surface water, *64* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *102.412* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.09*
 State of sky, *clear*
 Direction of wind, *SW*; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Platt*
Lieut - U.S.N.
 Name and position of observer, *Wm. H. Mather*

NOTES RELATING TO STATION NO. 1850

Hake Skate Flounders
Worms Crabs Sand dollars

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1851*
 Date, *July 10th 1893*
 Time of day, *10.58 AM*; of tide, *Flood*
 Locality, *4 1/2 miles SSW of Mansons Land*
 Exact position, *Gay heat St No N 7/8 E 10 1/4 miles*
Cently bank St No N 1/4 W 15 miles
 Depth, *15 fms 3 ft*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *NE*; distance, *1/4 mile*
 Temperature of air, *67* therm. No.,
 " of surface water, *64* "
 " at depth of fathoms, "
 " at bottom, *1* "
 Density at surface, *102412* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.09*
 State of sky, *Clear*
 Direction of wind, *North*; force, *1*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *US 76 Ste Fish Hawk*
 Service to which attached, *US 76*
 Name and rank of commanding officer, *Robert Platt*
Lieut USN
 Name and position of observer, *John Lighthouse*
Whatey

NOTES RELATING TO STATION NO. 1851

Sea Anemones Flounders Skate
Sand dollars starfish Hermit
Crabs shells

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1852
 Date, July 10 1893
 Time of day, 11.24 am ; of tide, Flood
 Locality, 4 miles
 Exact position, Gay head S 1/40 N x 8 1/2 E 10 miles
Coastly head S 1/40 N 1/2 W 14 1/2 miles
 Depth, 13 fms 13 20
 Nature of bottom, Hard
 Dredging instrument used, Beam Trawl
 Direction of drift, N 8 ; distance, 1/2 mile
 Temperature of air, 67 therm. No.,
 " of surface water, 64 "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, 1.024.2 temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, 30.09
 State of sky, clear
 Direction of wind, North ; force, 2
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, U 576 Str Fish Hawk
 Service to which attached, U 576
 Name and rank of commanding officer, Robert Platt
Lieut U S N
 Name and position of observer,
Julien
Matu

NOTES RELATING TO STATION NO. 1865

Skate Hake flounders
sand dollars worms etc

**RECORD OF DREDGING,
TEMPERATURE AND DENSITY.**

Station No. *1853*

Date, *July 10 1893*

Time of day, *1.15 PM* ; of tide, *Flood*

Locality, *Block Island Sound*

Exact position, *Lay head to 100 N $E \frac{1}{4}$ N $S \frac{3}{8}$ miles*
cuttyhunk S 40° N $\frac{3}{8}$ W 9 miles

Depth, *15 fms*

Nature of bottom, *Hard*

Dredging instrument used, *Beam Trawl*

Direction of drift, *NNE* ; distance, *$\frac{1}{4}$ mile*

Temperature of air, *67* therm. No.,

“ of surface water, *64* “

“ at depth of fathoms, “

“ at bottom, “

Density at surface, *1024.2* temp.,

“ at depth of fathoms, “

“ at bottom, “

Number of salinometer,

Barometer reading, *30.09*

State of sky, *Clear*

Direction of wind, *W-NW* ; force, *1*

Rain,

Direction of surface current, ; force,

“ of bottom “ ; force,

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

Service to which attached, *U.S.F.C.*

Name and rank of commanding officer, *Robert Platt*
Lieut USN

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

NOTES RELATING TO STATION NO. 18453

Sculpin Hake Whiting Grounds
Starfish Luminescence

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1854*
 Date, *July 10 1893*
 Time of day, *1.40 PM*; of tide, *Flood*
 Locality, *Block Island Sound*
 Exact position, *Gayheads Lt No 1 & E 1/2 E 5 3/8 miles*
cuttyhunk Lt No 1 & E 7 1/4 miles
 Depth, *17 fms*
 Nature of bottom, *Muddy*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *N E*; distance, *1/4 mile*
 Temperature of air, *67* therm. No.,
 " of surface water, *64* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1024.2* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.09*
 State of sky, *clear*
 Direction of wind, *W*; force, *1*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *US 76 Str Fish Hawk*
 Service to which attached, *US 76*
 Name and rank of commanding officer, *Robert Platt*
Lieut USN
 Name and position of observer, *J. M. Lighton*
Master USN

NOTES RELATING TO STATION NO. 1854

Starfish Flounders Nake
Hermit Crabs

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *9855*
 Date, *July 10th 1893*
 Time of day, *2:40 P.M.*; of tide, *Flood*
 Locality, *Block Island Sound*
 Exact position, *Gaymans Pt No EX N 1/4 N 3 1/2 miles*
Centlybank So No N X W 7/8 W 5/2 "
 Depth, *14 fms*
 Nature of bottom, *Sand*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *North*; distance, *1/4 mile*
 Temperature of air, *67* therm. No.,
 " of surface water, *64* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1.02412* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.09*
 State of sky, *clear*
 Direction of wind, *N W*; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S.F.C. Ste Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Platt*
Lieut - U.S.N.
 Name and position of observer, *J. M. Lightham*
Master

NOTES RELATING TO STATION NO. 1255

Starfish Plouvers Shells
Sea Raven Worms Crabs
Mussels Sand Gabs

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1856*
 Date, *July 10 1893*
 Time of day, *2:56 P.M.*; of tide, *Flood*
 Locality, *Vineyard Sound*
 Exact position, *Guyhead S to N S S W 2 1/8 miles*
cuttyhunk S to N N W 4 1/8 W 5 1/2 "
 Depth, *14 fms*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *N x E* ; distance, *1/4 mile*
 Temperature of air, *66* therm. No.,
 " of surface water, *64* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1.024* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.04*
 State of sky, *Clear*
 Direction of wind, *N W* ; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S.F.C. Ste Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Platt*
Lieut U.S.N.
 Name and position of observer,
 Indenighton
 Master U.S.N.

NOTES RELATING TO STATION NO. 1856

Starfish Sea Urchin
Skate Hake Sand
Dollars Kelp
Hermit Crabs Goose

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1857*Date, *July 10 1893*Time of day, *3.26 P.M.*; of tide, *Flood*Locality, *Vineyard Sound*Exact position, *Gayhead to No Str & W 1/8 W 2 1/2 miles*
*Leahy's bank to No Str & W 7 or 6 1/2 "*Depth, *13 fms*Nature of bottom, *Hard*Dredging instrument used, *Beam Trawl*Direction of drift, *N & E*; distance, *1/4 mile*Temperature of air, *66*

therm. No.,

" of surface water, *66*

"

" at depth of fathoms,

"

" at bottom,

"

Density at surface, *1024*

temp.,

" at depth of fathoms,

"

" at bottom,

"

Number of salinometer,

Barometer reading, *30.09*State of sky, *Clear*Direction of wind, *N & W*; force, *2*

Rain,

Direction of surface current,

; force,

" of bottom "

; force,

Name of vessel, *U.S.F.C. Ste Fish Hawk*Service to which attached, *U.S.F.C.*Name and rank of commanding officer, *Robert Platt*
*Lieut- U.S.N.*Name and position of observer, *John G. ...*
Master

NOTES RELATING TO STATION NO. 1957

Hogchoker sand dollars
skate starfish Hermit
& rock crabs

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1808*
 Date, *July 10 1873*
 Time of day, *3.50 P.M.*; of tide, *Flood*
 Locality, *Vineyard Sound*
 Exact position, *Gayhead Lt. No 5 x N 7/8 W 3 miles*
Scutt's Point Lt. No 1 x N 1/4 W 5 5/8 miles
 Depth, *14 fms 2 ft*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *S x E*; distance, *1/4 mile*
 Temperature of air, *66* therm. No.,
 " of surface water, *64* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1024* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.09*
 State of sky, *Clear*
 Direction of wind, *N x W*; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S.F.C. Ste Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Platt*
Lieut - U.S.N.
 Name and position of observer, *Dr. L. H. Houghton*
Master

NOTES RELATING TO STATION NO. 1858

Starfish Skate Hake
Whiting Pectens Sea Urchin
Flounders, Hermit Crabs
Sand Dollars Shell & fragments

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1859*
 Date, *July 12' 1893*
 Time of day, *9.15 am* ; of tide, *Flood*
 Locality, *Buzzard Bay*
 Exact position, *Alaska S. 100 E. 3 E. 5 1/2 miles*
Rind Island N. 40 E. 1/4 N 8 3/8 miles
 Depth, *8 fms*
 Nature of bottom, *Slicky*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *NR* ; distance, *1/4 mile*
 Temperature of air, *68* therm. No.,
 " of surface water, *65* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1023.4* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.18*
 State of sky, *cloudy*
 Direction of wind, *SW* ; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Platt*
Lieut. U.S.N.
 Name and position of observer,
 Melvin
 Mate up

NOTES RELATING TO STATION NO. 1859

Hornshell Spider Crabs
Rock Crab Black mud

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1860*
 Date, *July 12th 1893*
 Time of day, *9.40* ; of tide, *Flood*
 Locality, *Buzzard Bay*
 Exact position, *Notka Co No 8 E 1/2 E 5 1/2 miles*
Bird Island Co No 4 E 1/2 E 7 1/2 miles
 Depth, *8 fms 3 fms*
 Nature of bottom, *Sticky*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *SW* ; distance, *1/4 mile*
 Temperature of air, *69* therm. No.,
 " of surface water, *65* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1023.2* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.18*
 State of sky, *cloudy*
 Direction of wind, *SW* ; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S. Fish Hawk*
 Name and rank of commanding officer, *Robert Platt*
Lieut. U.S.N.
 Name and position of observer,
 J. M. Johnston
 Master

NOTES RELATING TO STATION NO. 1860

Shell Grass worms
black mud.

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1861*
 Date, *July 29, 1893*
 Time of day, *2.30 PM*; of tide, *1/2 flood*
 Locality, *Eastern Harbor Me*
 Exact position, *Friars Head 3 1/2 W 1/4 W 1/16 miles*
Southern Narrows 3 1/2 W 1/4 W 1/4 miles
 Depth, *18 fathoms*
 Nature of bottom, *hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, _____; distance, _____
 Temperature of air, *63* therm. No., _____
 " of surface water, *51* "
 " at depth of *18* fathoms, *57* "
 " at bottom, *51* "
 Density at surface, *1025.6* temp., *51°*
 " at depth of _____ fathoms, "
 " at bottom, *1025.4* " *51°*
 Number of salinometer, _____
 Barometer reading, *29.94*
 State of sky, *cloudy & rainy*
 Direction of wind, *SSW*; force, *3*
 Rain, _____
 Direction of surface current, _____; force, _____
 " of bottom " _____; force, _____
 Name of vessel, *U.S. Frigate Fish Hawk*
 Service to which attached, *U.S. Frigate*
 Name and rank of commanding officer, *Robert Platt*
Lieut. U.S.N.
 Name and position of observer, *J. M. Lighton*
Master

NOTES RELATING TO STATION NO. 1861

1 star fish & Skulpin sponge
Truncates (Paltanna).
Holothurians, (Pentacta)
Star fish (Asterias & Crinella
etc.) 2 Sculpins and
one Ophiurid, Lechnohods
in Murex, Flounders -
(P. americanus)

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1862*
 Date, *July 29. 1893*
 Time of day, *3 PM* ; of tide, *1/2 flood*
 Locality, *Eastport harbor*
 Exact position, *Friars Head S SW 3/4 W 1 7/8 miles*
*Louise Harms to S * W 2 3/4 miles*
 Depth, *30 fathoms*
 Nature of bottom, *hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, ; distance,
 Temperature of air, *63* therm. No.,
 " of surface water, *50* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1025.2* temp., *50*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *29.94*
 State of sky, *Cloudy & rainy*
 Direction of wind, *S SW* ; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S. Fish*
 Name and rank of commanding officer, *Robert Platt*
Lieut. U.S.N.
 Name and position of observer, *C. H. Cleveland*
mate U.S.N.

NOTES RELATING TO STATION NO. 1862

Sponge, 3 sea Rares & Skulpin
mussel shells, several small
brittle star fish, Barnacles,
shrimp, Tunicates, Annelids,
1. agonids

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1863*
 Date, *August 9, 1893*
 Time of day, *11 52 AM*; of tide, *Slack*
 Locality, *St Croix River Maine*
 Exact position, *socket line to No 4 1/2 or 5/4 m*
St Andrews St. E x N 1/4 N 2 miles
 Depth, *13 fms*
 Nature of bottom, *Soft*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *SSE* ; distance, *1/4 mile*
 Temperature of air, *70* therm. No.,
 " of surface water, *55* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1024.4* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.10*
 State of sky, *Clear*
 Direction of wind, *South* ; force, *2*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robert Platt*
Capt U.S.N.
 Name and position of observer,
 J. M. [unclear]
 mate [unclear]

NOTES RELATING TO STATION NO. 1863

Kelly fish star fish mud
One large basket star fish

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1864*
 Date, *Sept 23^d 1893*
 Time of day, *10, 36 Am* ; of tide, *ebb*
 Locality *Mouth of Chesapeake Bay*
 Exact position, *Thimble S 10 W 1/2 W 1 1/8 miles*
Cape Henry S 10 S 1/2 E 7/8 E 1/2 miles
 Depth, *11. 3*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *E x S* ; distance, *1/4 mile*
 Temperature of air, *79* therm. No.,
 " of surface water, *75* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1014* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *29.97*
 State of sky, *clear*
 Direction of wind, *calm* ; force, *1*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Fish Hawk*
 Service to which attached, *U.S. F.C.*
 Name and rank of commanding officer, *Robert Platt*
Squid U.S.N.
 Name and position of observer, *Mulrough*
mate U.S.N.

NOTES RELATING TO STATION NO. 1864

Squid Short minnows Whelms
Crabs Hop shiners Starfish
Crabs Skate eggs Spiders
Crabs Kingfish

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1865*
 Date, *September 23rd 1893*
 Time of day, *10.58 am* ; of tide, *ebb*
 Locality, *Mouth Ches Bay*
 Exact position, *Thimble Shoar N + W 12 7/8 miles*
Cape Henry S + W 5 1/2 S 1 1/4 miles
 Depth, *10.2*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *E x S* ; distance, *1/4 mile*
 Temperature of air, *80* therm. No.,
 " of surface water, *75* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *10.73.6* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *29.96*
 State of sky, *clear*
 Direction of wind, *calm* ; force,
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *USS Fish Hawk*
 Service to which attached, *USS Fish Hawk*
 Name and rank of commanding officer, *Robert Platt*
Lieut USN
 Name and position of observer,
 J. M. [unclear]
 Master

NOTES RELATING TO STATION NO. 1868

1 Squilla sp. Starfish Trout
Anakus spot. short minnows
Crabs. Skate eggs. Hog Chokers
Shrimp

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1866*
 Date, *September 23 1893*
 Time of day, *11:15 am*; of tide, *ebb*
 Locality, *Chesapeake Bay*
 Exact position, *Pringle St No Str X W $\frac{7}{8}$ W $13\frac{5}{8}$ miles*
Cape Henry St No Str X W $\frac{7}{8}$ W $1\frac{1}{4}$ miles
 Depth, *10*
 Nature of bottom, *Hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *E x S*; distance, *$\frac{1}{4}$ mile*
 Temperature of air, *81* therm. No.,
 " of surface water, *75* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer, *10, 13, 2*
 Barometer reading, *29.96*
 State of sky, *Clear*
 Direction of wind, *East*; force, *1*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U S F C Ste Fish Hawk*
 Service to which attached, *U S F C*
 Name and rank of commanding officer, *Robert Platt*
Lieut - U S N
 Name and position of observer,
Polmerighton
Master U S N

NOTES RELATING TO STATION NO. 1866

Squilla shrimp Trout
Crabs squid starfish
Hog chokers skate eggs
short rainbows

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1867*Date, *September 23 1893*Time of day, *11.41 AM*; of tide, *ebb*Locality, *Mouth Ches Bay*Exact position, *Thimble Shoals N. 4 W 7 1/8 miles**Cape Henry S. 40 W 7/8 S 2 3/8 miles*Depth, *10 fms*Nature of bottom, *Hard*Dredging instrument used, *Beam Trawl*Direction of drift, *E S*; distance, *1/4 mile*Temperature of air, *79* therm. No.," of surface water, *75.5* "

" at depth of fathoms, "

" at bottom, "

Density at surface, *10128* temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, *29.96*State of sky, *clear*Direction of wind, *S E*; force, *1*

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, *U.S. Fl. Ste. Fish Hawk*Service to which attached, *U.S. Fl.*Name and rank of commanding officer, *Robert Platt**Lieut. U.S.N.*

Name and position of observer,

*J. L. Light
Master U.S.N.*

NOTES RELATING TO STATION NO. 1867

Trout Croakers Hog chokers
Shrimp whiting Young blue fish
squid short mackerels
Star fish skate eggs
young boreal crabs

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1868*
 Date, *September 23rd 1893*
 Time of day, *12.06 P.M.*; of tide, *ebb*
 Locality, *mouth Chesapeake Bay*
 Exact position, *Thimble Shoar Light NW $\frac{1}{2}$ W 10 miles*
Cape Henry Light NW $\frac{3}{4}$ W 2 $\frac{1}{2}$ miles
 Depth, *8.3*
 Nature of bottom, *hard*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *SS E $\frac{1}{2}$ E*; distance, *$\frac{1}{4}$ mile*
 Temperature of air, *79* therm. No.,
 " of surface water, *75.5* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1015.6* temp.,
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *29.95*
 State of sky, *clear*
 Direction of wind, *SE*; force, *1*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *US 76 Ste Fish Hawk*
 Service to which attached, *US 76*
 Name and rank of commanding officer, *Robert Platt*
Lieut USN
 Name and position of observer,
J. M. Light
Master USN

NOTES RELATING TO STATION NO. 1867

A few Anableps Trout
Small minnows + Anableps
Stipula D. etc. Skate eggs

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1869*
 Date, *September 25th 1893*
 Time of day, *11.40* ; of tide, *low*
 Locality, *Chesapeake Bay*
 Exact position, *Cherry Point Lt NE $\frac{1}{4}$ N $\frac{1}{8}$ E 1 $\frac{1}{8}$ m*
Old Plantation Lt NE $\frac{3}{4}$ S $\frac{1}{4}$ E 1 $\frac{5}{8}$ miles
 Depth, *21 faths*
 Nature of bottom, *shells & coral*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *SW* ; distance, *1/4 mile*
 Temperature of air, *82* therm. No.,
 " of surface water, *74* " *50.40*
 " at depth of fathoms, " "
 " at bottom, " "
 Density at surface, *1.018* temp., *74*
 " at depth of fathoms, " "
 " at bottom, " "
 Number of salinometer, *7049*
 Barometer reading, *30.06*
 State of sky, *clear*
 Direction of wind, *SE* ; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S. Steamer Hawk*
 Service to which attached, *U.S. Navy*
 Name and rank of commanding officer, *Robert Platt*
Lieut. U.S.N.
 Name and position of observer, *J. M. Smith*
Master

NOTES RELATING TO STATION NO. 1669

A quantity of Coral
Crabs - Crickets
Gorgonia - Squid
Scallop shells covered with
coral, a few small Sponges
and Jelly Fish, yellow Lumps
Sponge

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1870*
 Date, *Sept 25 1893*
 Time of day, *12 noon*; of tide,
 Locality, *Chesapeake Bay*
 Exact position, *Cherry Point Light E 1/4 N 1 3/8 miles*
Old Plantation Light N 55 E 1/4 S 1 3/4 miles
 Depth, *18 fathoms*
 Nature of bottom, *soft mud & shells*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, *South*; distance, *1/4 mile*
 Temperature of air, *82* therm. No.,
 " of surface water, *74* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1018*, temp., *74*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer, *7049*
 Barometer reading, *30.02*
 State of sky, *Clear*
 Direction of wind, *SW*; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *U.S.F.C. Steamer Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *R. Platt*
Lieut. U.S.N.
 Name and position of observer, *C. H. Cleveland*
Master U.S.N.

NOTES RELATING TO STATION NO. 1870

about 3 bushel of yellow
lump sponge & scallop shells
& coral. Spongia. Crabs
stones covered with coral
oyster & hard clam shells,
sea urchins & spider crabs,
trawl was torn badly
& some of material lost

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1871
 Date, Nov 19th 1893
 Time of day, 11.45 AM, of tide, Ebb
 Locality, Chesapeake Bay
 Exact position, Smiths Pt Et Hs NW $\frac{3}{4}$ N
^{3 1/2 miles}
 Wicomico Et Hs SW x W 7 miles
 Depth, 7 fathoms and 2 ft
 Nature of bottom, hard
 Dredging instrument used, Beam Trawl
 Direction of drift, S W ; distance, 1/8 mile
 Temperature of air, 48 therm. No.,
 " of surface water, 52 "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, 1014.0 temp., 52
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, 30.08
 State of sky, Cloudy
 Direction of wind, NNE ; force, 5
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, U. S. S. "Fish Hawk
 Service to which attached, U. S. N. O.
 Name and rank of commanding officer, R Platt
 Lieut. J. G.
 Name and position of observer, C. H. Chapman
 Master J. G.

NOTES RELATING TO STATION NO. 1871

Trawl was torn & most of
material lost, but secured
about 1/2 pck of Coral sponges,
a few crabs & shrimp.

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1872*
 Date, *Nov 19th 1893*
 Time of day, *12.05 PM*; of tide, *Ebb*
 Locality, *Chesapeake Bay*
 Exact position, *Smiths Pt. Sta. N x W 3/4 N*
3 1/4 miles
Memor Sta. N x W 7 miles
 Depth, *8 fathoms*
 Nature of bottom, *hard*
 Dredging instrument used, *Oyster dredge*
 Direction of drift, *SW*; distance, *1/8 mile*
 Temperature of air, *48* therm. No.,
 " of surface water, *52* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1.014.0* temp., *52*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.08*
 State of sky, *Cloudy*
 Direction of wind, *NE*; force, *5*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *R Platt*
Lieut. U.S.N. Comdr.
 Name and position of observer, *A. Cleveland*
Master U.S.N.

NOTES RELATING TO STATION NO. 1872

Obtained one Oyster 1/2 peck
of Coral Sponge & several small
stones, the largest weighing about
8 lbs

RECORD OF DREDGING,
TEMPERATURE AND DENSITY.

Station No. 1873
 Date, Apr 19th 1893
 Time of day, 12.20 PM; of tide, Ebb
 Locality, Chesapeake Bay
 Exact position, Smiths Pt Lt No NW x N 7/8 W
 3 miles
 Weimies Lt No S W x N 1/8 W 7 1/2 miles
 Depth, 10 faths
 Nature of bottom, Steep
 Dredging instrument used, Oyster Dredge
 Direction of drift, N x W; distance, 1/8 mile
 Temperature of air, 48 therm. No.,
 " of surface water, 52 "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, 1014.0 temp., 52
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, 30.08
 State of sky, Cloudy
 Direction of wind, NNE; force, 5
 Rain,
 Direction of surface current, S; force, 2
 " of bottom " ; force,
 Name of vessel, Fish Hawk
 Service to which attached, USFC
 Name and rank of commanding officer, R Platt
 Lieut USN Comdr
 Name and position of observer, C H Cleveland

NOTES RELATING TO STATION NO. 1873

Obtained $\frac{1}{2}$ bushel Coral
Sponge & dead grass, also
three live Oysters with spat
& a few dead Oyster shells

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1874*
 Date, *Apr 19" 1893*
 Time of day, *12.45 PM*, of tide, *Flood*
 Locality, *Chesapeake Bay*
 Exact position, *Smiths Pt S to NW 2 1/8 miles*
Wicomico S to SW 1/2 W 7 1/16 miles
 Depth, *15 faths*
 Nature of bottom, *Sticky*
 Dredging instrument used, *Oyster Dredge*
 Direction of drift, *N* ; distance, *1/8 mile*
 Temperature of air, *48* therm. No.,
 " of surface water, *52* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1013.0* temp., *52*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.08*
 State of sky, *Cloudy*
 Direction of wind, *NW E* ; force, *5*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *U S Fish Commission*
 Name and rank of commanding officer, *R Platt*
Lieut USN Comdr
 Name and position of observer, *W Cleaveland*
Mate USN

NOTES RELATING TO STATION NO. 1874

Dredge came up full of
black mud and little
dead grass

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1875*
 Date, *March 19th 1894*
 Time of day, *11:50 AM*; of tide, *Ebb*
 Locality, *Lynnhaven Bay*
 Exact position, *Cape Henry S. W. E. S. E.*

Thimble Shoal NW

Depth, *4 fathoms and 1 ft.*
 Nature of bottom, *hard - sticky*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, *SSE*; distance, *1/8 mile*

Temperature of air, *79* therm. No.,
 " of surface water, *52* "
 " at depth of fathoms, "
 " at bottom, "

Density at surface, *1014.6* temp., *52*
 " at depth of fathoms, "
 " at bottom, "

Number of salinometer,

Barometer reading, *30.06*

State of sky, *Clear*

Direction of wind, *SSW*; force, *3*

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, *"Fish Hawk"*

Service to which attached, *USFC*

Name and rank of commanding officer, *R Platt*

St Lgn

Name and position of observer, *Ch Cleveland*

Mate Lgn

NOTES RELATING TO STATION NO. 1875

a few crabs. 1 small *Flounder*
about a quart of shrimp, and
a few dead sea shells
a little sea grass. *Gorgonia*
* *Bryozoa*

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1876*
 Date, *March 19th 1894*
 Time of day, *12 05 PM*, of tide, *Ebb*
 Locality, *Lynham Bay*
 Exact position, *Cape Henry Lt No S E x E 1/2 E*
Thimble Shoar Lt No N W x W
 Depth, *5 fath*
 Nature of bottom, *soft & sticky*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, *NE* ; distance, *1/8 mile*
 Temperature of air, *79* therm. No.,
 " of surface water, *52* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1014.6* temp., *52*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.06*
 State of sky, *Clear*
 Direction of wind, *SSW* ; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *USFCS*
 Name and rank of commanding officer, *R Platt*
Lieut USN
 Name and position of observer, *W H Chandler*
Mate USN

NOTES RELATING TO STATION NO. 1876.

One young Hake about 6 inches
long - 5 young Flounders
2 Crabs - 5 small hake about
2 1/2 inches in length
Three kinds of Flounders

**RECORD OF DREDGING,
TEMPERATURE AND DENSITY.**

Station No. *1877*

Date, *March 28th 1894*

Time of day, *11.18 am*; of tide, *Flood*

Locality, *Chesapeake Bay (mouth)*

Exact position, *Cape Henry Lt. bearing*
S 3/8 E (mag) dist 1 1/2 miles

Depth, *11 fathoms*

Nature of bottom, *Sticky*

Dredging instrument used, *7 ft Beams Trawl*

Direction of drift, *N 1/2 W* ; distance, *1/8 mile*

Temperature of air, *40* therm. No.,

“ of surface water, *47* “

“ at depth of fathoms, “

“ at bottom, “

Density at surface, *1016.0* temp., *47*

“ at depth of fathoms, “

“ at bottom, “

Number of salinometer,

Barometer reading, *30.71*

State of sky, *Clear*

Direction of wind, *ESE* ; force, *3*

Rain,

Direction of surface current, ; force,

“ of bottom “ ; force,

Name of vessel, *Fish Hawk*

Service to which attached, *U. S. F. Commission*

Name and rank of commanding officer, *R Platt*
Lieut USN

Name and position of observer, *Ch Cleveland*
Mate USN

NOTES RELATING TO STATION NO. 1877 -

Obtained about one bushel of
yellow dump sponge - 3 Skates
12 young Hake averaging
about 6 inches in length.
2 qts of Star fish (small size)
a few spot fish - Shrimps,
a few lumps of Coral,
a few Hermit crabs - (Pipe fish
one) a few young sea Robins
and sea bass
1 diminutive Thunder

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1878*
 Date, *Mar 28 1894*
 Time of day, *11.40 AM*; of tide, *Flood*
 Locality, *Chesapeake Bay (mouth)*
 Exact position, *Cape Henry Light bearing*
S 1/2 W (true) & dist 1 3/4 miles
 Depth, *11 fathoms*
 Nature of bottom, *Sticky*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, *N 1/2 W*; distance, *1/8 mile*
 Temperature of air, *49* therm. No.,
 " of surface water, *47* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1016.0* temp., *47*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.71*
 State of sky, *Clear*
 Direction of wind, *ESE*; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *USFC*
 Name and rank of commanding officer, *R Platt*
St Regis
 Name and position of observer, *At Chantlands*
Mat Regis

NOTES RELATING TO STATION NO. 1875

Obtained about a basket of
yellow lump sponge. 3 Skates
4 young Hake averaging about
6 inches in length. 2 ^{big} Shrimps
1 Spot fish. About 1/2 peck of
Small Star fish. 2 Spider Crabs
and a few Hermit Crabs

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1879*
 Date, *March 28th 1894*
 Time of day, *11.55 AM*; of tide, *Flood*
 Locality, *Chesapeake Bay (Annapolis)*
 Exact position, *Cape Henry Ed. No. bearing*
S 1/2 E (true) dist 1 1/4 miles
 Depth, *11 fathoms and 5 ft*
 Nature of bottom, *hard*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, *N 1/2 W*; distance, *1/8 mile*
 Temperature of air, *46* therm. No.,
 " of surface water, *47* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1016.0* temp., *47*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.71*
 State of sky, *Clear*
 Direction of wind, *ESE*; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *USFCS*
 Name and rank of commanding officer, *R Platt*
Dr. sign
 Name and position of observer, *Ch. Cleveland*
Master sign

NOTES RELATING TO STATION NO. 1879

Obtained 1/2 bushel of yellow
lump sponges. a number of Pipe
fish - young Aster - young Scandus
a few shrimp & star fish. also
Hermit Crabs - 1 Conch

✓

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1880*
 Date, *Mar 28th 1894*
 Time of day, *12:30 PM*; of tide, *Flood*
 Locality, *Chesapeake Bay*
 Exact position, *Cape Henry Light bearing,
SE x E 3/4 E (true), dist 2 1/4 miles*
 Depth, *6 fathoms*
 Nature of bottom, *chert*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, *drift*; distance, *1/8 mile*
 Temperature of air, *46* therm. No.,
 " of surface water, *46* "
 " at depth of fathoms, "
 " at bottom, "
 Density at surface, *1015.0* temp., *46*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer,
 Barometer reading, *30.71*
 State of sky, *Clear*
 Direction of wind, *SSW*; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *R Platt*
Acting Comdr
 Name and position of observer, *C. H. Cleveland*
 Master USN

NOTES RELATING TO STATION NO. 1870

Obtained 3 Skates, a few
young Hake about 6 inches long,
Shrimp, Hermit Crab, ~~Albino Eel~~
Pipe fish

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1881*
 Date, *Mar 28 - 1894*
 Time of day, *12 50 PM*; of tide, *Flood*
 Locality, *Lynn Haven Bay*
 Exact position, *Cape Henry Lt Ho bearing*
E S E 1/4 E dist 3 1/4 miles
 Depth, *4 fathoms and 3 feet*
 Nature of bottom, *hard*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, _____; distance, _____
 Temperature of air, *47* therm. No., _____
 " of surface water, *48* "
 " at depth of _____ fathoms, "
 " at bottom, "
 Density at surface, *1014.6* temp., *48*
 " at depth of _____ fathoms, "
 " at bottom, "
 Number of salinometer, _____
 Barometer reading, *30.68*
 State of sky, *Clear*
 Direction of wind, *E S E*; force, *4*
 Rain, _____
 Direction of surface current, _____; force, _____
 " of bottom " _____; force, _____
 Name of vessel, *Fish Hawk*
 Service to which attached, *U S F Commission*
 Name and rank of commanding officer, *R Platt*
Lieut U S Navy
 Name and position of observer, *C H Cleveland*
Master U S Navy

NOTES RELATING TO STATION NO. 1881

Obtained - 2 Crabs - 1 crab
qt of Shrimp - 6 small Hake
a few silver sides - Star fish
1 demersal Haunter

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1882*
 Date, *April 24 - 1894*
 Time of day, *10:15 a.m.* of tide, *1/2 flood*
 Locality, *Vicinity Thimble Shoal St. Lower Ches. B. Va*
 Exact position, *Back River St. Ho to Thimble Shoal St. Ho 17-03*
Thimble Shoal St. Ho to Old Pt Comfort St. 49-49
 Depth, *6 - 1*
 Nature of bottom, *Muddy*
 Dredging instrument used, *Beam Trawl*
 Direction of drift, _____ ; distance, _____
 Temperature of air, *58* therm. No., _____
 " of surface water, _____
 " at depth of _____ fathoms, _____
 " at bottom, _____
 Density at surface, _____ temp., _____
 " at depth of _____ fathoms, _____
 " at bottom, _____
 Number of salinometer, _____
 Barometer reading, *30.17*
 State of sky, *Clear blue sky*
 Direction of wind, *N.* ; force, *2*
 Rain, _____
 Direction of surface current, _____ ; force, _____
 " of bottom " _____ ; force, _____
 Name of vessel, *Fish Hawk*
 Service to which attached, *U.S.F. Commission*
 Name and rank of commanding officer, *R Platt*
Lieut USN (Commanding)
 Name and position of observer, *W E McChapman*

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1880*Date, *Apr. 24 '96*Time of day, *10:45 a.m.*; of tide, *3/4 flood*Locality, *Lower Chesapeake Bay*Exact position, *Back R. to Late Thimble Shoal Lt. No 21-53**Thimble Shoal Lt. to Old Pt. Comfort Lt. No 27-52*Depth, *5-7*Nature of bottom, *Muddy*Dredging instrument used, *Trawl*

Direction of drift, _____ ; distance, _____

Temperature of air, *58* therm. No., _____

" of surface water, _____ " _____

" at depth of _____ fathoms, _____ " _____

" at bottom, _____ " _____

Density at surface, _____ temp., _____

" at depth of _____ fathoms, _____ " _____

" at bottom, _____ " _____

Number of salinometer, _____

Barometer reading, *30.14*

State of sky, _____

Direction of wind, *SW* ; force, *2*

Rain, _____

Direction of surface current, _____ ; force, _____

" of bottom " _____ ; force, _____

Name of vessel, *Fish Hawk*Service to which attached, *USF&C*Name and rank of commanding officer, *Robt Platt**Lieut. J. W. Combs*Name and position of observer, *W. C. Wolhaupt*

**RECORD OF DREDGING,
TEMPERATURE AND DENSITY.**

Station No. *1584*
 Date, *Aug 18 - 1894*
 Time of day, *2 PM* ; of tide, *Flood*
 Locality, *Chloro Bank*
 Exact position, *E S E 1/8 Sofon Sandy Hook*
At Ship distance 12 miles
 Depth, *14 fathoms*
 Nature of bottom, *gravel - coarse*
 Dredging instrument used, *7ft Beam Trawl*
 Direction of drift, _____ ; distance, _____
 Temperature of air, *75* therm. No., _____
 " of surface water, *71 1/2* "
 " at depth of _____ fathoms, "
 " at bottom, "
 Density at surface, *1023.0* temp., *71 1/2*
 " at depth of _____ fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *30.02*
 State of sky, *Cloudy*
 Direction of wind, *SSW* ; force, *4*
 Rain, _____
 Direction of surface current, _____ ; force, _____
 " of bottom " " ; force, _____
 Name of vessel, *Fish Hawk*
 Service to which attached, *USFC*
 Name and rank of commanding officer, *Robt Platt*
Lieut USN Comdg
 Name and position of observer, *Ch Cleveland*
Matr USN

NOTES RELATING TO STATION NO. 1884

obtained about a basket of material, - consisting of gravel dead shells - pebbles & stones small crabs - 2 live Pectons a few star fish & hermit crabs & Skitter Eggs -

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1885*
 Date, *Aug 18th 1894*
 Time of day, *2:30 PM*, of tide,
 Locality, *Cholera Bank*
 Exact position, *E S E 1/8 S from Sandy Hook*
St Ship distance 12 miles
 Depth, *12 1/2 fathoms*
 Nature of bottom, *gs sand & black specks*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, ; distance,
 Temperature of air, *75* therm. No.,
 " of surface water, *71 1/2* "
 " at depth of fathoms, "
 " at bottom, *65* "
 Density at surface, *1023* temp., *71 1/2*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *3002*
 State of sky, *Cloudy*
 Direction of wind, *S S W* ; force, *4*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *U S F C*
 Name and rank of commanding officer, *Robt Platt*
Lieut & Jn Comdr
 Name and position of observer, *C H Cleveland*
Matr & Jn

NOTES RELATING TO STATION NO. 1885

Obtained about a bushel of material - consisting of one great Clam shell, yellow sponges, ~~1 small Hake~~, Crabs - 2 Skates a few Star fish, Sand dollars Hermit Crabs, a few small stones, 1 small Hake about 6 inches in length, a few Pipe fish and dead mussel shells, also few Shrimp

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1886*
 Date, *Aug 18th 1894*
 Time of day, *2.50 PM* of tide,
 Locality, *Cholera Bank*
 Exact position, *E S E 1/8 S from Sandy Hook*
At ship distance 12 miles
 Depth, *14 fathoms*
 Nature of bottom, *gr sand & gravel*
 Dredging instrument used, *7ft Beam Trawl*
 Direction of drift, _____ ; distance, _____
 Temperature of air, *75* therm. No., _____
 " of surface water, *71 1/2* " _____
 " at depth of _____ fathoms, " _____
 " at bottom, *67* " _____
 Density at surface, *1023.0* temp., *71 1/2*
 " at depth of _____ fathoms, " _____
 " at bottom, " _____
 Number of salinometer, *7052*,
 Barometer reading, *30.02*
 State of sky, *Cloudy*
 Direction of wind, *SSW* ; force, *4*
 Rain, _____
 Direction of surface current, _____ ; force, _____
 " of bottom " _____ ; force, _____
 Name of vessel, *Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robt Platt*
Lieut. Zeph Comdy
 Name and position of observer, *A. H. Chouland*
Master

NOTES RELATING TO STATION NO. 1886

Obtained about 3/4 bushels
of material consisting of
Star fish, Sand dollars
dead Clam shells, 1 flounder
about 1 ft in length - several
Hermit & Spider crabs

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. *1887*
 Date, *Aug 18th 1894*
 Time of day, *3.25 PM* of tide, *Flood*
 Locality, *Cholera Bank*
 Exact position, *E S E 1/8 S from Sandy Hook*
At ship distance 12 miles
 Depth, *13 1/2 fathoms*
 Nature of bottom, *green & gravel*
 Dredging instrument used, *7ft Beam Trawl*
 Direction of drift, ; distance,
 Temperature of air, *75* therm. No.,
 " of surface water, *71* "
 " at depth of fathoms, "
 " at bottom, *66 1/2* "
 Density at surface, *10.23.0* temp., *71*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *30.02*
 State of sky, *Cloudy*
 Direction of wind, *SSW* ; force, *4*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *USF&C*
 Name and rank of commanding officer, *Robt Platt*
Lieut Regt Comdr
 Name and position of observer, *Chas Cleveland*
Master USN

NOTES RELATING TO STATION NO. 1887

Obtained about 2 bushel of
Material consisting of 3 rocks
weighing about 50 lb. each

Trawl was towed a considerable
distance a quantity of star fish were
caught - 2 Cannons 1 small
Flounder - 1 Hake about 6 inches
in length - a few Hermit crabs
and dead Clam shells

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1888*
 Date, *Aug 23^d 1894*
 Time of day, *9 A M*; of tide, *Ebb*
 Locality, *Long Island Sound*
 Exact position, *Plum Island Pt & Lynx Pt 41° 58'*
Lynx Pt to Comfuirt Ship 34° 48'
 Depth, *17 1/2 fathoms*
 Nature of bottom, *gr sand & pebbles*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, _____; distance, _____
 Temperature of air, *69* therm. No., _____
 " of surface water, *70* " _____
 " at depth of _____ fathoms, " _____
 " at bottom, *69 1/2* " _____
 Density at surface, *1022* temp., *70*
 " at depth of _____ fathoms, " _____
 " at bottom, " _____
 Number of salinometer, *7052*
 Barometer reading, *30.11*
 State of sky, *Clear*
 Direction of wind, *WSW*; force, *3*
 Rain, _____
 Direction of surface current, _____; force, _____
 " of bottom " _____; force, _____
 Name of vessel, *Fish Hawk*
 Service to which attached, *USF Com*
 Name and rank of commanding officer, *Robt Platt*
Lieut USN
 Name and position of observer, *Ch Cleveland*
Matr USN

NOTES RELATING TO STATION NO. 1888

Obtained about $\frac{1}{2}$ bushel of material
consisting of yellow lumps sponge
Kelp - Coral. and a few small
crabs, one of the bits of frame
of Trawl was broken

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. *1889*
 Date, *Aug 23 1894*
 Time of day, *11.25 AM*; of tide, *Ebb*
 Locality, *Long Island Sound*
 Exact position, *Long beach Bar Pt to Plum Isd. 79° 04'*
Plum Island Pt to Lynce Pt. 96° 34'
 Depth, *17 fms*
 Nature of bottom, *Gy S & Pebbles*
 Dredging instrument used, *Sledge*
 Direction of drift, _____; distance, _____
 Temperature of air, *69* therm. No., _____
 " of surface water, *70* "
 " at depth of _____ fathoms, "
 " at bottom, "
 Density at surface, *1022.0* temp., *70*
 " at depth of _____ fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *30.11*
 State of sky, *Clear*
 Direction of wind, *W SW*; force, *3*
 Rain, _____
 Direction of surface current, _____; force, _____
 " of bottom " _____; force, _____
 Name of vessel, *Fish Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robt Platt*
Lieut USN
 Name and position of observer, *C.H. Cleveland*
Mate USN

NOTES RELATING TO STATION NO. 1889

Obtained about 1/2 basket of oysters
consisting of keep - some oysters
and wrinkles - skate eggs
Pebbles - some shells - coral

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1890*Date, *Aug 23rd 1894*Time of day, *11.40 am* ; of tide, *Ebb*Locality, *Long Island Sound*Exact position, *Long beach Bar Pt to Plum Id 77⁰⁰*
*Plum Id to Lynce Pt Lt 98° 47'*Depth, *18 fathoms*Nature of bottom, *gr sand & shells*Dredging instrument used, *7 ft Beam Trawl*

Direction of drift, _____ ; distance, _____

Temperature of air *74*

therm. No., _____

" of surface water, *70*

" at depth of _____ fathoms, _____

" at bottom, *69 1/2*Density at surface, *1022*temp., *70*

" at depth of _____ fathoms, _____

" at bottom, _____

Number of salinometer, *7052*Barometer reading, *30.11*State of sky, *Clear*Direction of wind, *W SW* ; force, *3*

Rain, _____

Direction of surface current, _____ ; force, _____

" of bottom " _____ ; force, _____

Name of vessel, *Fish Hawk*Service to which attached, *U.S. Com*Name and rank of commanding officer, *Robt Platt*
*Capt USN*Name and position of observer, *Ch Cleveland*
*Mitw USN**99-14 R**38-16 L*

NOTES RELATING TO STATION NO. 1890

Obtained about a peck of mussels
consisting of yellow string sponges
a few skates & flounders - Kelp
1 young scap - Spider crabs
a few young sea robins

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1891*
 Date, *Aug 23 1894*
 Time of day, *12 Noon* ; of tide, *ebb*
 Locality, *Long Island Sound*
 Exact position, *Long beach Bar Lt Plum Isl Lt 77° 00'*
Plum Isl Lt Haynes Pt Lt 98° 47'
 Depth, *18 faths*
 Nature of bottom, *gr Sand & shells*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, _____ ; distance, _____
 Temperature of air, *74* therm. No., _____
 " of surface water, *70* "
 " at depth of _____ fathoms, "
 " at bottom, *69* "
 Density at surface, *1022.0* temp., *70*
 " at depth of _____ fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *30.11*
 State of sky, *Clear*
 Direction of wind, *W SW* ; force, *3*
 Rain, _____
 Direction of surface current, _____ ; force, _____
 " of bottom " _____ ; force, _____
 Name of vessel, *Fish Hawk*
 Service to which attached, *USFC*
 Name and rank of commanding officer, *Robt Platt*
Lieut U.S.N.
 Name and position of observer, *C. H. Cleveland*
Mate U.S.N.

NOTES RELATING TO STATION NO. 1891

Obtained about 1/2 bucket of material - consisting of yellow sponge - a few small squid small star fish - dead mussel shells - Spider Crabs - young Skup
1 Butter fish - Skits Eggs
Hermit Crabs.

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1892*Date, *Aug 23 1894*Time of day, *12.20 PM*; of tide, *Flood*Locality, *Long Island Sound*Exact position, *Long beach Berth & Plum St 76° 21'**Plum St to Rhynow Pt St 102° 02'*Depth, *19 1/2 fathoms*Nature of bottom, *gr sand & shells*Dredging instrument used, *7ft Beam Trawl*

Direction of drift, ; distance,

Temperature of air, *75* therm. No.," of surface water, *70* "

" at depth of fathoms, "

" at bottom, *69 1/2* "Density at surface, *1022.6* temp., *70*

" at depth of fathoms, "

" at bottom, "

Number of salinometer, *7052*Barometer reading, *30.11*State of sky, *Clear*Direction of wind, *W SW* ; force, *2*

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, *Fish Hawk*Service to which attached, *USFC*Name and rank of commanding officer, *Robt Platt**LT USN*Name and position of observer, *CH Charleton**Master USN*

NOTES RELATING TO STATION NO. 1892

Obtained about 1/2 bushel of material, consisting of small squid spines, crab, yellow finger sponge. Trawl was torn and some of material lost

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1893*
 Date, *Aug 23 1894*
 Time of day, *1.35 PM* of tide, *Flood*
 Locality, *Long Island Sound*
 Exact position, *Plumb-Line between Lt 54° 50'*
Northward to Saybrook Lt 78° 15'
 Depth, *38 fathoms*
 Nature of bottom, *gr sand w/ bk specks*
 Dredging instrument used, *Dredge*
 Direction of drift, ; distance,
 Temperature of air, *80* therm. No.,
 " of surface water, *69* "
 " at depth of fathoms, "
 " at bottom, *70* "
 Density at surface, *1022* temp., *69*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *3011*
 State of sky, *Clear*
 Direction of wind, *W SW*; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fish Hawk*
 Service to which attached, *USFC*
 Name and rank of commanding officer, *Robt Platt*
Lt USN
 Name and position of observer, *Ch Cleveland*
Master USN

NOTES RELATING TO STATION NO. 1893

obtained about a bushel of
sand and gravel - a few
sand dollars & shells

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1894*
 Date, *Aug 23rd 1894*
 Time of day, *1.50 PM*; of tide, *Flood*
 Locality, *Long Island Sound*
 Exact position, *Plum Gut Beacon N.P. 42.45'*
Plum Island Light N. 86° 06'
 Depth, *53 faths*
 Nature of bottom, *md or clay*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, *West*; distance, *about 1/2 mile*
 Temperature of air, *78* therm. No.,
 " of surface water, *69* "
 " at depth of fathoms, "
 " at bottom, *67'* "
 Density at surface, *1022.0* temp., *69*
 " at depth of fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *30.10*
 State of sky, *Clear*
 Direction of wind, *West*; force, *3*
 Rain,
 Direction of surface current, ; force,
 " of bottom " ; force,
 Name of vessel, *Fresh Hawk*
 Service to which attached, *U.S.F.C.*
 Name and rank of commanding officer, *Robt Platt*
Lieut USN
 Name and position of observer, *C.H. Cleveland*
Mate USN

NOTES RELATING TO STATION NO. 1894

Obtained about one bushel of
material consisting of oysters
Skates - Fishbones - Hake
Sea Robins - Winkles - Squid.

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1895*
 Date, *Aug 23 1894*
 Time of day, *2,30 PM*; of tide, *Flood*
 Locality, *Long Island Sound*
 Exact position, *Plum Island London Lt 48° 20'*
New London to Saybrook Lt 74.55°
 Depth, *22 fathoms*
 Nature of bottom, *gr sand & pebbles*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, _____; distance, _____
 Temperature of air, *78* therm. No., _____
 " of surface water, *69* "
 " at depth of _____ fathoms, "
 " at bottom, *70* "
 Density at surface, *1022.0* temp., *69*
 " at depth of _____ fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *30.10*
 State of sky, *Clear*
 Direction of wind, *West*; force, *5*
 Rain, _____
 Direction of surface current, _____; force, _____
 " of bottom " _____; force, _____
 Name of vessel, *"Fish Hawk"*
 Service to which attached, *U.S. Commission*
 Name and rank of commanding officer, *Robt Platt*
Capt U.S.N.
 Name and position of observer, *C.H. Cleveland*
Master U.S.N.

NOTES RELATING TO STATION NO. 1895

Obtained about 1/2 bushel of
material consisting of Crabs
Conchs - Winkles Flounders
Skates - Shells - Sand dollars
Hermit crabs

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1896*
 Date, *Aug 23^d 1894*
 Time of day, *3 PM* ; of tide, *High*
 Locality, *Long Sands Sound*
 Exact position, *Plum Point Gun 20° 26'*
Little Gun to Lynas Pt 109° 35'
 Depth, *19 fathoms*
 Nature of bottom, *gr sand & blk specks*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, _____ ; distance, _____
 Temperature of air, *79* therm. No., _____
 " of surface water, *69* " *69*
 " at depth of _____ fathoms, " _____
 " at bottom, *69* " _____
 Density at surface, *1022* temp., *69*
 " at depth of _____ fathoms, " _____
 " at bottom, " _____
 Number of salinometer, *7052*
 Barometer reading, *3010*
 State of sky, *Clear*
 Direction of wind, *West* ; force, *3*
 Rain, _____
 Direction of surface current, _____ ; force, _____
 " of bottom " _____ ; force, _____
 Name of vessel, *"Fish Hawk"*
 Service to which attached, *U.S. Commission*
 Name and rank of commanding officer, *Robt Platt*
Capt USN
 Name and position of observer, *CH Cleveland*
Matr USN

NOTES RELATING TO STATION NO. 1896

Obtained about 1/2 bushel of
material consisting of Skates
Hundred - Seed Shells - Crabs

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1897*
 Date, *Aug 23rd 1894*
 Time of day, *3.15 PM*; of tide, *Flood*
 Locality, *Long Island Sound*
 Exact position, *Gardiner Pt Plum 23° 43'*
Plum Pt Lynde Pt 108° 03'
 Depth, *19 fathoms and 4 ft*
 Nature of bottom, *hard*
 Dredging instrument used, *7 ft Beam Trawl*
 Direction of drift, _____; distance, _____
 Temperature of air, *79* therm. No., _____
 " of surface water, *69* " _____
 " at depth of _____ fathoms, " _____
 " at bottom, *79* " _____
 Density at surface, *1022* temp., *69*
 " at depth of _____ fathoms, " _____
 " at bottom, " _____
 Number of salinometer, *7052*
 Barometer reading, *30.10*
 State of sky, *Clear*
 Direction of wind, *West*; force, *4*
 Rain, _____
 Direction of surface current, _____; force, _____
 " of bottom " _____; force, _____
 Name of vessel, *"Fish Hawk"*
 Service to which attached, *U.S. Fish Com*
 Name and rank of commanding officer, *Robt Platt*
St. Asst
 Name and position of observer, *Off Clearman*
mate up
R. J. ...

NOTES RELATING TO STATION NO. 1897

Obtained about 1/2 bushel of
netting. Consisting of small
Flounders - Squid Eggs - Sand
shells - yellow string sponges
Trawl got caught, supposed
Rock

RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1898*
 Date, *Aug 23rd 1894*
 Time of day, *3.30 PM*; of tide, *Flood*
 Locality, *Long Island Sound*
 Exact position, *Gardners Is to Plum I 23° 00'*
Plum Island to Lynde Pt 109° 25'
 Depth, *19 fathoms*
 Nature of bottom, *hard*
 Dredging instrument used, *7ft Beam Trawl*
 Direction of drift, _____; distance, _____
 Temperature of air, *79* therm. No., _____
 " of surface water, *69* "
 " at depth of _____ fathoms, "
 " at bottom, "
 Density at surface, *1022* temp., *69*
 " at depth of _____ fathoms, "
 " at bottom, "
 Number of salinometer, *7052*
 Barometer reading, *3010*
 State of sky, *Clear*
 Direction of wind, *W*; force, *4*
 Rain, _____
 Direction of surface current, _____; force, _____
 " of bottom " _____; force, _____
 Name of vessel, *Fish Hawk*
 Service to which attached, *U.S. Fish Com.*
 Name and rank of commanding officer, *Robt Platt*
Lt U.S.N.
 Name and position of observer, *Chas Cleveland*
Misc U.S.N.

NOTES RELATING TO STATION NO. 1898

Obtained about $\frac{1}{2}$ bushel of
material consisting of Skates
crabs dead shells - yellow
string sponge - Hermit crabs