

70.1893 1829  
1848

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1829 to 1848

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1829  
 Date, April 16 1892  
 Time of day, 2, 25 PM of tide, Flood  
 Locality, Newpade Bay  
 Exact position,  
 New Pt Comfort SE 2 1/4 E 2 miles  
 Depth, 2 1/2 to 4 fms  
 Nature of bottom, Soft  
 Dredging instrument used, Austin dredge  
 Direction of drift, N 40 W<sup>B</sup>; distance, 1/8 mile  
 Temperature of air, 54 therm. No.,  
 " of surface water, "  
 " at depth of fathoms, "  
 " at bottom, "  
 Density at surface, 1016.4 temp., 52  
 " at depth of fathoms, "  
 " at bottom, "  
 Number of salinometer,  
 Barometer reading, 31.24  
 State of sky, Clear  
 Direction of wind, North; force, 3  
 Rain,  
 Direction of surface current, ; force,  
 " of bottom " ; force,  
 Name of vessel, U S Ste Fish Hawk  
 Service to which attached, U S F C  
 Name and rank of commanding officer, Robert Platt  
 Lieut - U S A  
 Name and position of observer,  
 J. M. Lightham  
 Mate U S F

NOTES RELATING TO STATION NO. 1829

Soyals

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1830*Date, *April 16 1893*Time of day, *2.35 P.M.*; of tide, *Flood*Locality, *Migado Bay*

Exact position,

*North of Lamp Post S 86 2 E 1/2 E 2 7/8 miles*Depth, *3-1*Nature of bottom, *Sticks*Dredging instrument used, *Optic dredge*Direction of drift, *W*; distance, *1/8 mile*Temperature of air, *54* therm. No.," of surface water, *54* "

" at depth of fathoms, "

" at bottom, "

Density at surface, *1016.4* temp., *54*

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, *30.24*State of sky, *Clear*Direction of wind, *North*; force, *3*

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. Lighter  
Mate*

NOTES RELATING TO STATION NO. 1830

Nothing but dead shells  
& one oyster

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1831

Date, April 16' 1893

Time of day, 2:46 P.M.; of tide, Flood

Locality, Inboard Bay

Exact position,

New Pt Comfort SE 4 E 3 1/4 miles

Depth, 3.2

Nature of bottom, Mud

Dredging instrument used, Oyster dredge

Direction of drift, NW 1/2 N; distance, 1/2 mile

Temperature of air, 56 therm. No.,

" of surface water, 54 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.016.4 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.24

State of sky, Clear

Direction of wind, NW; force, 3

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. 1801

A few clam & oysters

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1802  
 Date, April 16<sup>th</sup> 1893  
 Time of day, 2.58 ; of tide, Flood  
 Locality, Whiskey Bay  
 Exact position,  
NW Re Point SE 46 3 1/4 miles  
 Depth, 2 - 4  
 Nature of bottom, Hard  
 Dredging instrument used, Oyster dredge  
 Direction of drift, N 1/2 W ; distance, 1/8 miles  
 Temperature of air, 56 therm. No.,  
 " of surface water, 55 "  
 " at depth of fathoms, "  
 " at bottom, "  
 Density at surface, 1.0144 temp.,  
 " at depth of fathoms, "  
 " at bottom, "  
 Number of salinometer,  
 Barometer reading, 30.24  
 State of sky, clear  
 Direction of wind, North ; force, 3  
 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, John G. ...  
Master

NOTES RELATING TO STATION NO. 1832

20 oysters + dead shells

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1833

Date, April 16 1893

Time of day, 3.03 PM ; of tide, Flood

Locality, Mobjack Bay

Exact position,

New River Channel SE 1/2 E 4 miles

Depth, 2-1

Nature of bottom, Hard

Dredging instrument used, Dredge

Direction of drift, NW ; distance, 1/8 mile

Temperature of air, 56 therm. No.,

" of surface water, 57 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1015 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.24

State of sky, Clear

Direction of wind, NW ; force, 3

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. H. Watson

NOTES RELATING TO STATION NO. 1803

3 oysters

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1824

Date, April 16 1893

Time of day, 3.12 PM; of tide, Flood

Locality, Mobjack Bay

Exact position,

New River Camp SE  $\frac{1}{4}$  E 4  $\frac{1}{4}$  miles

Depth, 3 fms

Nature of bottom, Hard

Dredging instrument used, Dredge

Direction of drift, North; distance, 1/8 mile

Temperature of air, 56 therm. No.,

" of surface water, 57 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.015 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.24

State of sky, Clear

Direction of wind, North; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, US Fish Hawk

Service to which attached, US 76

Name and rank of commanding officer, Robert Plate

Lieut. 26th

Name and position of observer,

J. M. Mather

NOTES RELATING TO STATION NO. 1834

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1835*  
 Date, *April 16" 1893*  
 Time of day, *3.23 P.M.* ; of tide, *Flood*  
 Locality, *Mobjacke bay*  
 Exact position,  
*New Point Inlet SE  $\frac{3}{8}$  E 4  $\frac{3}{8}$  miles*  
 Depth, *2.3*  
 Nature of bottom, *Soft*  
 Dredging instrument used, *Oyster Dredge*  
 Direction of drift, *NE x N* ; distance, *1/6 mile*  
 Temperature of air, *54* therm. No.,  
 " of surface water, *57* "  
 " at depth of fathoms, "  
 " at bottom, "  
 Density at surface, *1010* temp.,  
 " at depth of fathoms, "  
 " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.24*  
 State of sky, *Clear*  
 Direction of wind, *North* ; force, *3*  
 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. Lighton*  
*Master*

NOTES RELATING TO STATION NO. 1835

*Six oysters*

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1836*Date, *April 16 " 1893*Time of day, *3:30 Pm* ; of tide, *Flood*Locality, *Mobjack Bay*

Exact position,

*New St Comfort SE 1/2 E 4 7/8 miles*Depth, *2.3*Nature of bottom, *Says*Dredging instrument used, *Oyster dredge*Direction of drift, *N 1/2 W* ; distance, *1/8 miles*Temperature of air, *59* therm. No.," of surface water, *57* "

" at depth of fathoms, "

" at bottom, "

Density at surface, *1015* temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, *30.24*State of sky, *clear*Direction of wind, *west* ; force, *3*

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. Lighton  
Master*

NOTES RELATING TO STATION NO. 1836

10 oysters a few clams, snail  
shells

# RECORD OF DREDGING,

## TEMPERATURE AND DENSITY.

Station No. *1837*  
 Date, *April 24 '1893*  
 Time of day, *11:50 am*; of tide, *Ebb*  
 Locality, *Chesapeake Bay*  
 Exact position, *Cape Henry Light House*  
*8 x 8 1/2 miles*  
 Depth, *71 fms*  
 Nature of bottom, *Hard*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *N x W*; distance, *1/4 mile*  
 Temperature of air, *53* therm. No.,  
 " of surface water, *56* "  
 " at depth of fathoms, "  
 " at bottom, "  
 Density at surface, *1.017* temp.,  
 " at depth of fathoms, "  
 " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.32*  
 State of sky, *Clear*  
 Direction of wind, *N x E*; force, *3*  
 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. Lightfoot*  
*Master U.S.N.*

NOTES RELATING TO STATION NO. 1837

Skate Neck Torpedo small  
gorgonias one small squid  
shrimp

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1838*  
 Date, *April 24 1893*  
 Time of day, *12.15 PM*; of tide, *Ebb*  
 Locality, *Chesapeake Bay*  
 Exact position, *Cape Henry to 140*  
*SS E 1/4 E 1 1/2 miles*  
 Depth, *10.3*  
 Nature of bottom, *Hard*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *NxW*; distance, *1/4 miles*  
 Temperature of air, *58* therm. No.,  
     " of surface water, *56* "  
     " at depth of fathoms, "  
     " at bottom, "  
 Density at surface, *1.016.8* temp.,  
     " at depth of fathoms, "  
     " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.33*  
 State of sky, *Clear*  
 Direction of wind, *NxE*; force, *3*  
 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*  
*Saint U.S.M.*  
 Name and position of observer,  
     *Wilmington*  
     *Mate U.S.F.*

NOTES RELATING TO STATION NO. 1838

Skate starfish Hoik  
1 sea cucumber

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

103-2.0  
120-48  
642

Station No. *1839*

Date, *April 24<sup>th</sup> 1893*

Time of day, *12, 48 Pm* ; of tide, *Ebb*

Locality, *Chesapeake Bay*

Exact position *Fr two light in range*  
*Six or 2 1/2 miles*

Depth, *11*

Nature of bottom, *Hard*

Dredging instrument used,

Direction of drift, *SW* ; distance, *1/4 mile*

Temperature of air, *60* therm. No.,

“ of surface water, *56* “

“ at depth of fathoms, “

“ at bottom, “

Density at surface, *1016.6* temp.,

“ at depth of fathoms, “

“ at bottom, “

Number of salinometer,

Barometer reading, *30.32*

State of sky, *Clear*

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

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. Lighton*  
*Master U.S.N.*

NOTES RELATING TO STATION NO. 1839

Water haul from town  
badly. a few drills

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1840*  
 Date, *April 24<sup>th</sup> 1893*  
 Time of day, *1:32 P.M.*; of tide, *Flood*  
 Locality, *Chesapeake Bay*  
 Exact position, *Cape Henry St 140*  
*S x W 3/4 W 2 miles*  
 Depth, *11.3*  
 Nature of bottom, *Hard*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *N E x E 1/2 N*; distance, *1/4 mile*  
 Temperature of air, *59* therm. No.,  
     " of surface water, *56* "  
     " at depth of fathoms, "  
     " at bottom, "  
 Density at surface, *1016.6* temp.,  
     " at depth of fathoms, "  
     " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.32*  
 State of sky, *Clear*  
 Direction of wind, *East*; force, *3*  
 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. Smith*  
     *Master U.S.N.*

NOTES RELATING TO STATION NO. 1840

Skate Starfish Conchs  
Squid & skate eggs found

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1841*  
 Date, *April 24<sup>th</sup> 1893*  
 Time of day, *1:58 P.M.*; of tide, *Flood*  
 Locality, *Chesapeake Bay*  
 Exact position, *Cape Henry to 140*  
*S x E 1 1/2 miles*  
 Depth, *12*  
 Nature of bottom, *Sticky*  
 Dredging instrument used, *Beam trawl*  
 Direction of drift, *SE x S 1/2 E*; distance, *1/4 mile*  
 Temperature of air, *54* therm. No.,  
     " of surface water, *56* "  
     " at depth of fathoms, "  
     " at bottom, "  
 Density at surface, *1016.6* temp.,  
     " at depth of fathoms, "  
     " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.32*  
 State of sky, *Clear*  
 Direction of wind, *East*; force, *3*  
 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,  
     *J. M. [unclear]*  
     *[unclear]*

NOTES RELATING TO STATION NO. 1841

Skate starfish shrimp  
skate eggs kelp grass

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1842*  
 Date, *April 24 1893*  
 Time of day, *2.28 Pm*; of tide, *High*  
 Locality, *Chesapeake Bay*  
 Exact position, *Cape Henry St No*  
*SE 1/2 S 1 mile*  
 Depth, *11*  
 Nature of bottom, *Hard*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *ESE*; distance, *1/4 mile*  
 Temperature of air, *54* therm. No.,  
 " of surface water, *56* "  
 " at depth of fathoms, "  
 " at bottom, "  
 Density at surface, *1016.6* temp.,  
 " at depth of fathoms, "  
 " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.32*  
 State of sky, *Clear*  
 Direction of wind, *East*; force, *3*  
 Rain,  
 Direction of surface current, ; force,  
 " of bottom " ; force,  
 Name of vessel, *U S F C Str 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. [unclear]*  
*[unclear]*

NOTES RELATING TO STATION NO. 1842

Skate Hair clasp fish bones  
Concho shrimp

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1843*  
 Date, *April 24<sup>th</sup> 1893*  
 Time of day, *2.46* P.M. of tide, *Flood*  
 Locality, *Chesapeake Bay*  
 Exact position, *Chesapeake Bay No*  
*SEXE 2 miles*  
 Depth, *8*  
 Nature of bottom, *Hard*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *NW 1/2 N*; distance, *1/4 mile*  
 Temperature of air, *54* therm. No.,  
     " of surface water, *56* "  
     " at depth of fathoms, "  
     " at bottom, "  
 Density at surface, *1017.2* temp.,  
     " at depth of fathoms, "  
     " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.28*  
 State of sky, *Clear*  
 Direction of wind, *East*; force, *3*  
 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,  
     *Amleighton*  
     *Master*

NOTES RELATING TO STATION NO. 1843

*Skate Hair Hermit Crabs*

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1844*  
 Date, *April 24 1893*  
 Time of day, *3 1/2 Pm* ; of tide, *Flood*  
 Locality,  
 Exact position, *Lake Mary St 140*  
*ESE 4 miles*  
 Depth, *6-4*  
 Nature of bottom, *Sand*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *WNW* ; distance, *1/4 mile*  
 Temperature of air, *54* therm. No.,  
     " of surface water, *56* "  
     " at depth of fathoms, "  
     " at bottom, "  
 Density at surface, *1017.2* temp.,  
     " at depth of fathoms, "  
     " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.26*  
 State of sky, *Clear*  
 Direction of wind, *SE* ; force, *3*  
 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-26 S N*  
 Name and position of observer,  
     *J. M. Lighton*  
     *Master U.S.N.*

NOTES RELATING TO STATION NO. 1844

Flounder starfish Naika  
base shrimp

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1845*  
 Date, *April 24 1893*  
 Time of day, *3.24 Pm*; of tide, *High*  
 Locality, *Chesapeake Bay*  
 Exact position, *Cape Henry St No*  
*838 4 1/2 miles*  
 Depth, *6*  
 Nature of bottom, *Mud*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *SW*; distance, *1/4 mile*  
 Temperature of air, *54* therm. No.,  
 " of surface water, *56* "  
 " at depth of fathoms, "  
 " at bottom, "  
 Density at surface, *1017.2* temp.,  
 " at depth of fathoms, "  
 " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.26*  
 State of sky, *Clear*  
 Direction of wind, *SE*; force, *3*  
 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-2652*  
 Name and position of observer,  
*J. M. Lighthill*  
*Master*

NOTES RELATING TO STATION NO. 1845

Skate Naika Grass Shrimp  
Star Fish

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1846*  
 Date, *April 25<sup>th</sup> 1893*  
 Time of day, *2:50 Pm* ; of tide, *Flood*  
 Locality, *Sheepskin Bay*  
 Exact position, *Cherry stone Lt - No 1 E & 1/2 mile*  
*Old Plantation Flat Lt No SE 1/4 mile*  
 Depth, *15*  
 Nature of bottom, *Sand*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *SE* ; distance, *1/4 mile*  
 Temperature of air, *60* therm. No.,  
 " of surface water, *55* "  
 " at depth of fathoms, "  
 " at bottom, "  
 Density at surface, *1018* temp.,  
 " at depth of fathoms, "  
 " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.06*  
 State of sky, *Cloudy*  
 Direction of wind, *SW* ; force, *3*  
 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,  
*Frederickson*  
*Master*

NOTES RELATING TO STATION NO. 1846

*One dozen small Nails*

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. 1847

Date, April 27 93

Time of day, 12/9 PM ; of tide, Ebb

Locality, Chesapeake Bay

Exact position, Cherry Point E 88 2 miles

Plantation S 45 E 4 8 3 miles

Depth, 17

Nature of bottom, Soft

Dredging instrument used, Beam Trawl

Direction of drift, S x W ; distance, 1/4 mile

Temperature of air, 59 therm. No.,

" of surface water, 54 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1017.2 temp.,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.10

State of sky, Cloudy

Direction of wind, South ; force, 2

Rain, about 10 minutes

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel, 26576 Str Fish Hawk

Service to which attached, 26576

Name and rank of commanding officer, Robert Plate

Lieut. U.S.N.

Name and position of observer,

NOTES RELATING TO STATION NO. 1847

Starfish Haik Shrimp  
Hermit crabs conch  
Sea Robin.

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1848*  
 Date, *April 27 - 93*  
 Time of day, *1.34 Pm* ; of tide, *Ebb*  
 Locality, *Chesapeake Bay*  
 Exact position, *New Point Comfort to No*  
*W 3m 8 1/4 miles*  
 Depth, *6-3*  
 Nature of bottom, *Sticky*  
 Dredging instrument used, *Beam Trawl*  
 Direction of drift, *SW x S* ; distance, *1/4 mile*  
 Temperature of air, *59* therm. No.,  
 " of surface water, *55* "  
 " at depth of fathoms, "  
 " at bottom, "  
 Density at surface, *1.0142* temp.,  
 " at depth of fathoms, "  
 " at bottom, "  
 Number of salinometer,  
 Barometer reading, *30.10*  
 State of sky, *cloudy*  
 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. Fish Hawk*  
 Name and rank of commanding officer, *Robert Platt*  
*Capt - U.S. Navy*  
 Name and position of observer,  
*John L. ...*  
*Master*

NOTES RELATING TO STATION NO. 1848

25  
Starfish silvicolus shrimp  
2 menhaden Cracker

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. *1849*Date, *April 10 1881*

Time of day, \_\_\_\_\_ ; of tide, \_\_\_\_\_

Locality, *Johns Bay, Long Beach, Long Island*

Exact position, \_\_\_\_\_

Depth, \_\_\_\_\_

Nature of bottom, \_\_\_\_\_

Dredging instrument used, *Trawl*

Direction of drift, \_\_\_\_\_ ; distance, \_\_\_\_\_

Temperature of air, \_\_\_\_\_ 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, \_\_\_\_\_

State of sky, \_\_\_\_\_

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

Rain, \_\_\_\_\_

Direction of surface current, \_\_\_\_\_ ; force, \_\_\_\_\_

" of bottom " ; force, \_\_\_\_\_

Name of vessel, \_\_\_\_\_

Service to which attached, \_\_\_\_\_

Name and rank of commanding officer, \_\_\_\_\_

Name and position of observer, \_\_\_\_\_

NOTES RELATING TO STATION NO. \_\_\_\_\_

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. \_\_\_\_\_  
 Date, \_\_\_\_\_  
 Time of day, \_\_\_\_\_ ; of tide, \_\_\_\_\_  
 Locality, \_\_\_\_\_  
 Exact position, \_\_\_\_\_  
 Depth, \_\_\_\_\_  
 Nature of bottom, \_\_\_\_\_  
 Dredging instrument used, \_\_\_\_\_  
 Direction of drift, \_\_\_\_\_ ; distance, \_\_\_\_\_  
 Temperature of air, \_\_\_\_\_ 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, \_\_\_\_\_  
 State of sky, \_\_\_\_\_  
 Direction of wind, \_\_\_\_\_ ; force, \_\_\_\_\_  
 Rain, \_\_\_\_\_  
 Direction of surface current, \_\_\_\_\_ ; force, \_\_\_\_\_  
     "    of bottom " \_\_\_\_\_ ; force, \_\_\_\_\_  
 Name of vessel, \_\_\_\_\_  
 Service to which attached, \_\_\_\_\_  
 Name and rank of commanding officer, \_\_\_\_\_  
 Name and position of observer, \_\_\_\_\_

NOTES RELATING TO STATION NO. \_\_\_\_\_



NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO. \_\_\_\_\_

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

“ of bottom “ ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

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NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

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Number of salinometer,

Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

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NOTES RELATING TO STATION NO. ....

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

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Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO. ....

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. \_\_\_\_\_

Date, \_\_\_\_\_

Time of day, \_\_\_\_\_ ; of tide, \_\_\_\_\_

Locality, \_\_\_\_\_

Exact position, \_\_\_\_\_

Depth, \_\_\_\_\_

Nature of bottom, \_\_\_\_\_

Dredging instrument used, \_\_\_\_\_

Direction of drift, \_\_\_\_\_ ; distance, \_\_\_\_\_

Temperature of air, \_\_\_\_\_ 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, \_\_\_\_\_

State of sky, \_\_\_\_\_

Direction of wind, \_\_\_\_\_ ; force, \_\_\_\_\_

Rain, \_\_\_\_\_

Direction of surface current, \_\_\_\_\_ ; force, \_\_\_\_\_

“ of bottom “ \_\_\_\_\_ ; force, \_\_\_\_\_

Name of vessel, \_\_\_\_\_

Service to which attached, \_\_\_\_\_

Name and rank of commanding officer, \_\_\_\_\_

Name and position of observer, \_\_\_\_\_

NOTES RELATING TO STATION NO. ....

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

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NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

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Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

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Name and position of observer,

NOTES RELATING TO STATION NO. \_\_\_\_\_

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

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Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

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NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. \_\_\_\_\_

Date, \_\_\_\_\_

Time of day, \_\_\_\_\_ ; of tide, \_\_\_\_\_

Locality, \_\_\_\_\_

Exact position, \_\_\_\_\_

Depth, \_\_\_\_\_

Nature of bottom, \_\_\_\_\_

Dredging instrument used, \_\_\_\_\_

Direction of drift, \_\_\_\_\_ ; distance, \_\_\_\_\_

Temperature of air, \_\_\_\_\_ 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, \_\_\_\_\_

State of sky, \_\_\_\_\_

Direction of wind, \_\_\_\_\_ ; force, \_\_\_\_\_

Rain, \_\_\_\_\_

Direction of surface current, \_\_\_\_\_ ; force, \_\_\_\_\_

“ of bottom “ \_\_\_\_\_ ; force, \_\_\_\_\_

Name of vessel, \_\_\_\_\_

Service to which attached, \_\_\_\_\_

Name and rank of commanding officer, \_\_\_\_\_

Name and position of observer, \_\_\_\_\_

NOTES RELATING TO STATION NO. ....

# RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. \_\_\_\_\_  
 Date, \_\_\_\_\_  
 Time of day, \_\_\_\_\_ ; of tide, \_\_\_\_\_  
 Locality, \_\_\_\_\_  
 Exact position, \_\_\_\_\_  
 \_\_\_\_\_  
 Depth, \_\_\_\_\_  
 Nature of bottom, \_\_\_\_\_  
 Dredging instrument used, \_\_\_\_\_  
 Direction of drift, \_\_\_\_\_ ; distance, \_\_\_\_\_  
 Temperature of air, \_\_\_\_\_ 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, \_\_\_\_\_  
 State of sky, \_\_\_\_\_  
 Direction of wind, \_\_\_\_\_ ; force, \_\_\_\_\_  
 Rain, \_\_\_\_\_  
 Direction of surface current, \_\_\_\_\_ ; force, \_\_\_\_\_  
     "    of bottom " \_\_\_\_\_ ; force, \_\_\_\_\_  
 Name of vessel, \_\_\_\_\_  
 Service to which attached, \_\_\_\_\_  
 Name and rank of commanding officer, \_\_\_\_\_  
 \_\_\_\_\_  
 Name and position of observer, \_\_\_\_\_

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No. \_\_\_\_\_

Date, \_\_\_\_\_

Time of day, \_\_\_\_\_ ; of tide, \_\_\_\_\_

Locality, \_\_\_\_\_

Exact position, \_\_\_\_\_

Depth, \_\_\_\_\_

Nature of bottom, \_\_\_\_\_

Dredging instrument used, \_\_\_\_\_

Direction of drift, \_\_\_\_\_ ; distance, \_\_\_\_\_

Temperature of air, \_\_\_\_\_ 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, \_\_\_\_\_

State of sky, \_\_\_\_\_

Direction of wind, \_\_\_\_\_ ; force, \_\_\_\_\_

Rain, \_\_\_\_\_

Direction of surface current, \_\_\_\_\_ ; force, \_\_\_\_\_

“ of bottom “ \_\_\_\_\_ ; force, \_\_\_\_\_

Name of vessel, \_\_\_\_\_

Service to which attached, \_\_\_\_\_

Name and rank of commanding officer, \_\_\_\_\_

Name and position of observer, \_\_\_\_\_

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

" at depth of fathoms, "

" at bottom, "

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Barometer reading,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

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Name and position of observer,

NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

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Date,

Time of day, ; of tide,

Locality,

Exact position,

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Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp.,

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Number of salinometer,

Barometer reading,

State of sky,

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Rain,

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" of bottom " ; force,

Name of vessel,

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Nature of bottom,

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Temperature of air, therm. No.,

" of surface water, "

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" at bottom, "

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State of sky,

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Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

State of sky,

Direction of wind, ; force,

Rain,

Direction of surface current, ; force,

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Name of vessel,

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Name and rank of commanding officer,

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NOTES RELATING TO STATION NO. ....

## RECORD OF DREDGING, TEMPERATURE AND DENSITY.

Station No.  
 Date,  
 Time of day, ; of tide,  
 Locality,  
 Exact position,  
 Depth,  
 Nature of bottom,  
 Dredging instrument used,  
 Direction of drift, ; distance,  
 Temperature of air, 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,  
 State of sky,  
 Direction of wind, ; force,  
 Rain,  
 Direction of surface current, ; force,  
     " of bottom " ; force,  
 Name of vessel,  
 Service to which attached,  
 Name and rank of commanding officer,  
 Name and position of observer,

NOTES RELATING TO STATION NO. ....

# RECORD OF DREDGING,

## TEMPERATURE AND DENSITY.

Station No. \_\_\_\_\_

Date, \_\_\_\_\_

Time of day, \_\_\_\_\_ ; of tide, \_\_\_\_\_

Locality, \_\_\_\_\_

Exact position, \_\_\_\_\_

Depth, \_\_\_\_\_

Nature of bottom, \_\_\_\_\_

Dredging instrument used, \_\_\_\_\_

Direction of drift, \_\_\_\_\_ ; distance, \_\_\_\_\_

Temperature of air, \_\_\_\_\_ 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, \_\_\_\_\_

State of sky, \_\_\_\_\_

Direction of wind, \_\_\_\_\_ ; force, \_\_\_\_\_

Rain, \_\_\_\_\_

Direction of surface current, \_\_\_\_\_ ; force, \_\_\_\_\_

“ of bottom “ \_\_\_\_\_ ; force, \_\_\_\_\_

Name of vessel, \_\_\_\_\_

Service to which attached, \_\_\_\_\_

Name and rank of commanding officer, \_\_\_\_\_

Name and position of observer, \_\_\_\_\_

NOTES RELATING TO STATION NO. ....

Wolf trap Ar X Ar 3/4 Ar