Fish Hawk

7628-7675

Copy

From July 29th to
Aug. 17. 1904

Dup

FISH HAWK.
7628
To
7675

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1606

Date, July 29 1908

Time of day, 2:00 P.M. ; of tide, 1/2 flood.

Locality, Buzzards Bay, Mass.

Exact position, Mouth of Lake Elizabeth E ½ E, Dist 3 miles

Point of Elizabeth N ½ W Dist 1 3/8 miles

Depth, 4 fathoms.

Nature of bottom, Muddy, sand and shell fragments

Dredging instrument used, Oyster dredge

Direction of drift, SW ; distance, 1/8 miles

Temperature of air, 74 Fahr. therm. No.,

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 "

Density at surface, 1.02211 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.02211 " 23

Number of salinometer, 74 50

Barometer reading, 29.92

State of sky, Partly cloudy

Direction of wind W ; force, 6

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Lt Turner E. West

NOTES RELATING TO STATION NO. .....

Shrimp fast small quantity
Sea urchins fair
Shells abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7630 [illegible] 7629

Date, August 1 1904

Time of day, 2 PM; of tide, High water

Locality, Buzzards Bay Mass

Exact position, Bird Is. N 34-W 15. Dist. 2 miles

Wings Neck Lt. N 3 E. Dist. 2¼ miles

Depth, 14 fath.

Nature of bottom, Sandy

Dredging instrument used, Oyster dredge

Direction of drift, SW ; distance, ⅛ miles

Temperature of air, 76 Fahr. therm. No.,

" of surface water, 74.5 "

" at depth of fathoms, "

" at bottom, 74.5 "

Density at surface, 1.0209 temp., Celsius. 23.5

" at depth of fathoms, "

" at bottom, 1.0209 " 23.5

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Cloudy

Direction of wind SW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Wait

NOTES RELATING TO STATION NO. _____

Sand (sponges)
Coral (common)
Shells (abundant)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1629

Date, July 29 1904

Time of day, 3.20 P.M. ; of tide, 1/2 ebb.

Locality, Buzzards Bay Mass

Exact position, Bird Ledge Ext. Dist. 3/4 mile

Black Buoy on Bird Ledge S.W. Dist. 3/4 "

Depth, 14 fathoms

Nature of bottom, Sandy, mud

Dredging instrument used, Ogsbar dredge

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

Temperature of air, 75 Fahr. therm. No.,

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 "

Density at surface, 1.0209 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0210 " 23

Number of salinometer, 1.150

Barometer reading, 29.90

State of sky, Cloudy Cloudy

Direction of wind S.W. ; force, 6

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West

11—1068

NOTES RELATING TO STATION NO. .....

Spring (common)
Warm (intermittent)
Hot (warm)
Sea Water

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7631

Date, August 1 1901

Time of day, 3.00 P.M. ; of tide, 1/4 ebb

Locality, Buzzards Bay Mass

Exact position, Range Rds Dist 1 3/4 miles
Buzz Bay Dist 1 3/4 miles

Depth, 5 fathoms.

Nature of bottom, Blue mud & shell gravel

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, 1/8 mile

Temperature of air, 74.5 Fahr. therm. No.,

" of surface water, 74.5 "

" at depth of fathoms, "

" at bottom, 74 "

Density at surface, 1.0206 temp., Celsius. 73.5

" at depth of fathoms, "

" at bottom, 1.0209 " 73.5

Number of salinometer, 7.450

Barometer reading, 29.91

State of sky, Cloudy

Direction of wind S.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Hunt

NOTES RELATING TO STATION NO. .....

Fine sand
Coral (common)
Shells (abundant)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7637

Date, August 1 1904

Time of day, 3.15 PM ; of tide, ½ ebb

Locality, Alexander Bay Wash

Exact position, Mid tide E½S Dist 2 miles

Bird Is. E½S½ Dist 3½ miles

Depth, 3½ fath

Nature of bottom, Mud

Dredging instrument used, Oyster dredge

Direction of drift, SW ; distance, ¼ miles

Temperature of air, 73.5 Fahr. therm. No.,

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73.5 "

Density at surface, 10214 temp., Celsius. 73

" at depth of fathoms, "

" at bottom, 10209 " 73

Number of salinometer, 1450

Barometer reading, 29.96

State of sky, Cloudy

Direction of wind SW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Thomas E. Weed

NOTES RELATING TO STATION NO. .....

Sulphur-sponge (common)
Worms (few)
Shells (common)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7633

Date, August 1 1904

Time of day, 3 P.M. ; of tide, 1/4 flood.

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt. S E x E Dist 1 3/4 miles

Bird Is Lt S W 1/4 W Dist 1 3/4 miles

Depth, 3 1/4 fathoms

Nature of bottom, Muddy sand

Dredging instrument used, Oyster dredge.

Direction of drift, S W ; distance, 1/4 miles

Temperature of air, 74 Fahr. therm. No.,

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 "

Density at surface, 10211 temp., Celsius.

" at depth of fathoms, " 73

" at bottom, 73 " 32175

Number of salinometer, 7450

Barometer reading, 29.96 73

State of sky, Cloudy

Direction of wind S W ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Newton E West

NOTES RELATING TO STATION NO. .....

Sea storage
Warmest current
Shelter (many)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1634

Date, August 1, 1904

Time of day, 11 00 P.M. ; of tide, ½ ebb

Locality, Buzzards Bay Mass

Exact position, [illegible] Dist 1½ miles

[illegible] Dist 2½ miles

Depth, 3½ fathoms

Nature of bottom, Sand and shell gray mud

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, ½ mile

Temperature of air, 74 Fahr. therm. No.,

" of surface water, 75 "

" at depth of fathoms, "

" at bottom, 74 "

Density at surface, 1.0206 temp., Celsius. 25

" at depth of fathoms, "

" at bottom, 1.0207 "

Number of salinometer, 7450

Barometer reading, 29.96 73

State of sky, Cloudy

Direction of wind S.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E West

NOTES RELATING TO STATION NO. .....

Sand aforesaid
Sand aforesaid
Shells (common)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1635

Date, August 1, 1902

Time of day, 4.15 P.M. ; of tide, 1/2 ebb

Locality, Bungaroo Bay Maine

Exact position, [illegible] 3/4 E 3/4 E Dist 5/8 mi

Dry Ledge [illegible] Dist 2 miles

Depth, 13 3/4 fath.

Nature of bottom, Muddy sand + shell fragments

Dredging instrument used, Oyster dredge

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

Temperature of air, 75 Fahr. therm. No.,

" of surface water, 75 "

" at depth of fathoms, "

" at bottom, 74 "

Density at surface, 1026 temp., Celsius. 23.5

" at depth of fathoms, "

" at bottom, 1027 " 23.5

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Cloudy

Direction of wind SW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West

NOTES RELATING TO STATION NO. .....

Sand drill

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1636

Date, August 3, 1904

Time of day, 1.15 P.M. ; of tide, 3/4 Flood

Locality, Buzzards Bay Mass

Exact position, Kettle Ledge Dist 3 3/4 miles Little Wareham Dist 3 1/4 miles Wareham Dist 5 1/2 miles

Depth, 7 fathoms

Nature of bottom, Rocky with coarse sand

Dredging instrument used, Cyclone and 1 crude dredges

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

Temperature of air, 80 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, 73.5 "

Density at surface, 1.0215 temp., Celsius. 22

" at depth of fathoms, "

" at bottom, 1.0215 " 22

Number of salinometer, 1450

Barometer reading, 29.98

State of sky, Partly cloudy

Direction of wind East ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Warren E. Wait

NOTES RELATING TO STATION NO. .....

Saw shells

Not much in dredge

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1139

Date, August 3 1908

Time of day, 2.20 P.M. ; of tide, 3/4 Flood

Locality, Buzzards Bay Mass

Exact position, Nobska E 1/2 E Dist 5 miles

Sippican Head E 3/4 N Dist 5 1/4 miles

Depth, 8 feet

Nature of bottom, Black sand and mud

Dredging instrument used, Sigsbee & Agassiz dredge

Direction of drift, East ; distance, 1/4 mile

Temperature of air, 80 Fahr. therm. No.,

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 "

Density at surface, 1.0213 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0219 " 22

Number of salinometer, 1450

Barometer reading, 29.99

State of sky, Partly cloudy

Direction of wind East ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E West

NOTES RELATING TO STATION NO. .....

Saw mill

Crustacean fan

Many shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 11-35

Date, August 3, 1904

Time of day, 2.15 P.M. ; of tide, Flood

Locality, Bayfields Bay Maine

Exact position, Hilton Pt. S.E. ½ E. Dist 6½ miles

Mullipoint Pt. S.E. ¾ Dist 6 miles

Depth, 8 fathoms

Nature of bottom, Black sand and mud

Dredging instrument used, Oyster dredge Petersen

Direction of drift, E.N.E. ; distance, ½ miles

Temperature of air, 78 Fahr. therm. No.,

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 74 "

Density at surface, 1.0218 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0221 " 22

Number of salinometer, 4450

Barometer reading, 29.96

State of sky, Partly cloudy

Direction of wind East ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, E. Wait

NOTES RELATING TO STATION NO. .....

Mercy acorns
Crustacean (common)
Shells (abundant)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1639

Date, August 3. 1904

Time of day, 3 to 8 PM ; of tide, High water

Locality, Buzzards Bay Mass

Exact position, Nobska Pt. S E x E Dist 1½ miles
Cormorant Rock Lighthouse N E x E Dist 2½ miles

Depth, 5½ fathoms

Nature of bottom, Round sand & rock

Dredging instrument used, Cyclone dredge

Direction of drift, E & N E ; distance, ½ miles

Temperature of air, 74 Fahr. therm. No.,

" of surface water, 74.5 "

" at depth of fathoms, "

" at bottom, 75.5 "

Density at surface, 1.0214 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0216 " 23

Number of salinometer, 1450

Barometer reading, 29.94

State of sky, Partly cloudy

Direction of wind East ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E West

NOTES RELATING TO STATION NO. .....

Sulphur springs abundant
Cornuaceae common
Sea shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 4660

Date, Aug 5 1908

Time of day, 2 P.M. ; of tide, ½ flood

Locality, Buzzards Bay Mass

Exact position, Lat. of Wickets at Sta 53 & Rest 1½ miles

Islands Pt - Pt - N.W. x N 6¾ miles

Depth, 6 feet

Nature of bottom, Black sticky mud

Dredging instrument used, Oyster dredge

Direction of drift, N.W. ; distance, ½ mile

Temperature of air, 68 Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 10220 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 10221 "

Number of salinometer, 4450

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind South ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Fred H. Bright

NOTES RELATING TO STATION NO. .....

Sand worms

lumbricus (common)

Shells (abundant)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 4614

Date, August 5 1904

Time of day, 11.0 AM ; of tide, Ebb

Locality, Buzzards Bay Mass

Exact position, Westport Pt. E by N Dist 1 mile

Gulls Nest E by S Dist 1 mile

Depth, 9 fathoms

Nature of bottom, Black sticky mud

Dredging instrument used, Sylvania trawl & scraper dredge

Direction of drift, SSE ; distance, ½ mile

Temperature of air, 68 Fahr. therm. No.,

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1022 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 4450

Barometer reading, 30.03

State of sky, Cloudy

Direction of wind South ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Fred H Bright

NOTES RELATING TO STATION NO. .....

Cerastaceum common

Shells (broken up)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1604

Date, May 5 1904

Time of day, 3.00 P.M. ; of tide, ½ flood

Locality, Buzzards Bay, Mass.

Exact position, Sippican Point E ¾ N Dist 9½ mi
Island Pt. S ½ W dist 5¾ miles

Depth, 8 fathoms

Nature of bottom, Black stiff clay mud

Dredging instrument used, Oyster dredge

Direction of drift, SSE ; distance, ½ mile

Temperature of air, 64 Fahr. therm. No.,

" of surface water, 61 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 10222 temp., Celsius. 70

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 1450

Barometer reading, 30.03

State of sky, Cloudy

Direction of wind South ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Frank H. Bright

NOTES RELATING TO STATION NO. .....

Shulle common:

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1613

Date, August 5 1904

Time of day, 3 30 P.M. ; of tide, 3/4 flood

Locality, Buzzards Bay Mass

Exact position, Off Wood Neck Dist 1½ miles
Sippican Neck E½S Dist 8 miles

Depth, 7 fathoms

Nature of bottom, Muddy Black

Dredging instrument used, Sippican brand Oyster dredge

Direction of drift, S.E. ; distance, ½ mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1.0222 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0222 "

Number of salinometer, 4450

Barometer reading, 30.02

State of sky, Cloudy

Direction of wind South ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

F. H. Bradley

NOTES RELATING TO STATION NO. .....

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

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 76XX

Date, May 5. 1904

Time of day, 4.05 P.M. ; of tide, Ebb

Locality, Buzzards Bay Mass

Exact position, Dumpling Rock SE ¾S dist 3½ miles
Planter Pt SE ¾E dist 3 miles

Depth, 5½ fathoms

Nature of bottom, Black shelly sand

Dredging instrument used, 1 qt brass bound Ceylon dredge

Direction of drift, SE ; distance, ⅛ mile

Temperature of air, 73 Fahr. therm. No.,

" of surface water, 71.5 "

" at depth of fathoms, "

" at bottom, 71 "

Density at surface, 1.021 temp., Celsius. 73

" at depth of fathoms, "

" at bottom, 1.021 "

Number of salinometer, 7450

Barometer reading, 30.05

State of sky, Partly cloudy

Direction of wind South ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

F. W. Bright

NOTES RELATING TO STATION NO. .....

Dam removed
Shells abandoned

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. [illegible]

Date, August [illegible] 1902

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

Locality, Buzzards Bay Mass

Exact position, [illegible] Dist [illegible]

Bottom [illegible] Dist [illegible]

Depth, [illegible] fathoms

Nature of bottom, Muddy sand

Dredging instrument used, Sigsbee dredge

Direction of drift, SW ; distance, [illegible] miles

Temperature of air, 76 Fahr. therm. No.,

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 74.5 "

Density at surface, 1.0205 temp., Celsius. 73

" at depth of fathoms, "

" at bottom, 1.0211 "

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Partly clear

Direction of wind SW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Samuel E. Ward

NOTES RELATING TO STATION NO. .....

Spurious common
hermaphrodite "
Normal "
Shell "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 9646 4

Date, August 4 1904

Time of day, 3.00 P.M. ; of tide, Ebb

Locality, Buzzards Bay Mass

Exact position, Buoy 4 SW & Rock 3 miles

Dunkirk Rocky Bottom & E & E 1/4 " 1/4 "

Depth, 5 fathoms

Nature of bottom, Black sticky mud

Dredging instrument used, Oyster Dredge

Direction of drift, S.W. ; distance, 1/8 mile

Temperature of air, 74 Fahr. therm. No.,

" of surface water, 73 "

" at depth of fathoms, "

" at bottom, 71.5 "

Density at surface, 1022.09 temp., Celsius. 77.5

" at depth of fathoms, "

" at bottom, 1027.11 "

Number of salinometer, 9450

Barometer reading, 29.96

State of sky, Cloudy Clear

Direction of wind SW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E West

11—1068

NOTES RELATING TO STATION NO. .....

Phyllospondylus fan
bermudensis "
Phylla "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7619

Date, August 8 1904

Time of day, 3.20 P.M. ; of tide, ½ flood

Locality, Buzzards Bay Mass

Exact position, Dumpling Rk S.W. ¾ W. Dist 3 miles
Clarks Pt Lt S.E. ¾ E. Dist 1½

Depth, 6 fathoms

Nature of bottom, Soft sandy mud

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, ½ mile

Temperature of air, 79 Fahr. therm. No.,

" of surface water, 73.5 "

" at depth of fathoms, "

" at bottom, 71 "

Density at surface, 1.0209 temp., Celsius 22.5

" at depth of fathoms, "

" at bottom, 1.0210 "

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Partly clear

Direction of wind S.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Watt

NOTES RELATING TO STATION NO. .....

Worms common
Shells fish

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1648

Date, August 8 1904

Time of day, 3.45 P.M. ; of tide, ½ flood

Locality, Buzzards Bay Mass

Exact position, Gurley's Ledge S.E. ¼ E. Dist 1 mile,
Bell & Black cove buoy S.E. ¾ E. " 2¼ "

Depth, 13¾ fathoms

Nature of bottom, Sandy

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, ⅛ mile

Temperature of air, 75 Fahr. therm. No.,

" of surface water, 73.5 "

" at depth of fathoms, "

" at bottom, 71 "

Density at surface, 1.0209 temp., Celsius. 75

" at depth of fathoms, "

" at bottom, 1.0211 "

Number of salinometer, 7450

Barometer reading, 29.99

State of sky, Partly clear

Direction of wind S.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. Kirk

NOTES RELATING TO STATION NO. .....

Sphyraena common
bermudensis "
Shells "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1664

Date, August 8 1904

Time of day, 4.10 P.M. ; of tide, ½ flood

Locality, Burgoyne Bay Maine

Exact position, Lumpkin Rock N 1¾ W Dist ½ mile
Buckman Rocks Smallest N 1¾ W " 1 mile

Depth, 5½ fathoms

Nature of bottom, Soft mud

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, ⅛ mile

Temperature of air, 73 Fahr. therm. No.,

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0211 temp., Celsius. 21.5

" at depth of fathoms, "

" at bottom, 1.0215 "

Number of salinometer, 1450

Barometer reading, 29.97

State of sky, Partly clear

Direction of wind S.W. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Samuel E. Watt

NOTES RELATING TO STATION NO. 7649

Fair skull

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1650

Date, August 8 1901

Time of day, 2.20 P.M. ; of tide, Flood

Locality, Buzzards Bay Mass

Exact position, Dumpling Rock Lt. N. 3/4 E. Dist 1 3/4 m
Scraper Pt. Lt. N. 1/4 E. Dist 2 3/4 miles

Depth, 7 fathoms

Nature of bottom, Sandy mud

Dredging instrument used, Dyalson dredge

Direction of drift, S.W. ; distance, 1/8 mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 1.0217 temp., Celsius. 21.5

" at depth of fathoms, "

" at bottom, 1.0219 "

Number of salinometer, 1450

Barometer reading, 29.97

State of sky, Partly clear

Direction of wind S.W. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West

11—1068

NOTES RELATING TO STATION NO. 7150

Surrounding
Few shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1651

Date, August 11 1904

Time of day, 2.40 P.M. ; of tide, Low water

Locality, Buzzards Bay Mass

Exact position, North Rock and Sengent of Bugne Sd

Dist 1 3/8 miles Long Rock Bell buoy N.E. 1 3/8 S.E. 1 1/8 m

Depth, 1 1/2 fathoms

Nature of bottom, Soft black mud

Dredging instrument used, Oyster dredge

Direction of drift, N.W. ; distance, 1/8 miles

Temperature of air, 75 Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 71.5 "

Density at surface, 1.0211 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0216 "

Number of salinometer, 1450

Barometer reading, 29.93

State of sky, Partly clear

Direction of wind S.W. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Samuel E. West

11—1068

NOTES RELATING TO STATION NO. 7651

Worms common

barnacles "

Shells abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 965

Date, August 11 1904

Time of day, 3 00 P.M. ; of tide, Low water

Locality, Buzzards Bay, Mass.

Exact position, Low Rockaway N 1/2 S Dist 2 3/4 miles

Sand of Bay Wilfrey 1/2 E x E 1/2 E 3/8.

Depth, 7 fathoms

Nature of bottom, Soft sandy mud

Dredging instrument used, Oyster dredge

Direction of drift, N.W. ; distance, 1/8 miles

Temperature of air, 74 Fahr. therm. No.,

" of surface water, 69.8 "

" at depth of fathoms, "

" at bottom, 72. "

Density at surface, 1.0217 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0217 "

Number of salinometer, 1450

Barometer reading, 29.94

State of sky, Partly clear

Direction of wind S.W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Herman Ecklund

NOTES RELATING TO STATION NO. .....

Worn [illegible]
Shell [illegible]

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1653

Date, August 11 1904

Time of day, 3.25 P.M. ; of tide, Low water

Locality, Buzzards Bay Mass

Exact position, Westerly end of Ex. Rock 1½ miles Low Rock bearing SW½W. " 2½ "

Depth, 8 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, Peterson bottom scraper dredge

Direction of drift, SW ; distance, ½ mile

Temperature of air, 75 Fahr. therm. No.,

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0217 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0216 " 20

Number of salinometer, 1450

Barometer reading, 29.93

State of sky, Partly clear

Direction of wind SW ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Wall

NOTES RELATING TO STATION NO. 7653

Sponges - common
Many worms
Shell fish

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7654

Date, August 11 1904

Time of day, 3.50 P.M. ; of tide, 1/4 flood

Locality, Buzzards Bay Mass

Exact position, West end of Pasque Island Station 5 miles Dumpling Rock Lt. S.E. 3/4 E. Dist 3 3/4 miles

Depth, 9 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, Petersen bottom and scraper dredge

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

Temperature of air, 75 Fahr. therm. No.,

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 68.5 "

Density at surface, 1.0213 temp., Celsius. 7.15

" at depth of fathoms, "

" at bottom, 1.0220 " 20

Number of salinometer, 7150

Barometer reading, 29.97

State of sky, Partly cloudy

Direction of wind S.W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Hill

NOTES RELATING TO STATION NO. 7654

Worms common
bernaturcum
Many skulls

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7655

Date, August 11 1902

Time of day, 1 15 P.M. ; of tide, ½ flood

Locality, Buzzards Bay Mass

Exact position, Dumpling Rocks Lt. Hr. 11-3/4 hr. Dist. 2½ miles West end of Penikese Is. SW ½ S Dist. 5½ miles

Depth, 9½ fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, Cylinder dredge

Direction of drift, SW ; distance, ½ mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 70.5 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0216 temp., Celsius. 21

" at depth of fathoms, "

" at bottom, 1.0217 " 20

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Partly clear

Direction of wind SW ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Hall

NOTES RELATING TO STATION NO. 1055

Worms, crinoids
Few crustaceans
Many shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1051

Date, August 12, 1904

Time of day, 10.50 AM ; of tide, Ebb

Locality, Burgaw Bay Maine

Exact position, Northward of Pinkham Island 1 1/2 S Dist 3 1/2 miles

Dunfling Rocks 21 Ft 1 1/2 Ft 3/4 Ft " 4 3/4 "

Depth, 8 fathoms

Nature of bottom, Sandy mud

Dredging instrument used, Albatross trawl & scalpe dredge

Direction of drift, NE ; distance, 1/8

Temperature of air, 68 Fahr. therm. No.,

" of surface water, 68.5 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0215 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0222 " 14.5

Number of salinometer, 4450

Barometer reading, 30.15

State of sky, Partly clear

Direction of wind NWbN ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Hall

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7657

Date, August 12 1902

Time of day, 11:20 AM ; of tide, 1/4 ebb

Locality, Buzzards Bay Mass

Exact position, Middle Rock Lt S 1/2 W 3 1/2 miles North end of Penikese Is S 1/2 W. Dist 3 1/4.

Depth, 9 fathoms

Nature of bottom, Sandy mud

Dredging instrument used, 7 ft beam trawl to scrape dredge

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

Temperature of air, 69 Fahr. therm. No.,

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 10215 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 10222 " 19.5

Number of salinometer, 17450

Barometer reading, 30.16

State of sky, Partly clear

Direction of wind N.E. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West

11—1068

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7/658

Date, August 12 1904

Time of day, 11 10 am ; of tide, 1/2 ebb

Locality, Buzzards Bay Mass

Exact position, Nom + Chickens Pt Ship Channel 6½ miles
Dumpling Rocks Pt S-E-E Dist 1¾ miles

Depth, 9 fathoms

Nature of bottom, Black mud

Dredging instrument used, Oyster dredge

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

Temperature of air, 69 Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 66.5 "

Density at surface, 1.0215 temp., Celsius. 1.05

" at depth of fathoms, "

" at bottom, 1.0271 " 1.45

Number of salinometer, 7/450

Barometer reading, 30.15

State of sky, Partly clear

Direction of wind S-E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E Hart

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7659

Date, August 12 1902

Time of day, 12:00 M ; of tide, ½ ebb

Locality, Buzzards Bay Mass

Exact position, Midway N-NNW 2½ miles Dumpling Rocks Lt NNE Dist ½ mile

Depth, 5½ fathoms

Nature of bottom, Rocky with shells gravel and shell gravel

Dredging instrument used, Ogden dredge

Direction of drift, SW ; distance, ½ mile

Temperature of air, 65.5 Fahr. therm. No.,

" of surface water, 64.5 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 1021.9 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1021.9 "

Number of salinometer, 7450

Barometer reading, 30.15

State of sky, Cloudy

Direction of wind NE ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Warren E. Neal

11—1068

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7660

Date, August 12 1904

Time of day, 1.00 PM ; of tide, Flood

Locality, Buzzards Bay Mass

Exact position, Cent Elkins Lt Ship S 17 W 2 miles 1 3/4 mile

Dumpling Rock Lt N 15 E 1 1/2 E Dist 2 1/4 miles

Depth, 9 1/2 fathoms

Nature of bottom, Muddy

Dredging instrument used, 1 foot Brown Brooks scraper dredge

Direction of drift, S.W. ; distance, 1/8 mile

Temperature of air, 66. Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0216 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0219 " 20

Number of salinometer, 7159

Barometer reading, 30.15

State of sky, Cloudy

Direction of wind N-E ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. West

11—1068

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 4661

Date, August 13, 1904

Time of day, 12.25 P.M. ; of tide, 3/4 ebb

Locality, Buzzards Bay, Mass.

Exact position, Mark Island Lt-Ship N x S 5 1/4 miles Dumpling Rocks Lt-Ship N x E 1 1/4 E Lt 3 1/4 miles

Depth, 3 1/2 fathoms

Nature of bottom, Muddy

Dredging instrument used, Blake trawl and scraper dredge

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

Temperature of air, 65 Fahr. therm. No.,

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 1026 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1027 1 " 19

Number of salinometer, 7 x 50

Barometer reading, 30.19

State of sky, Cloudy

Direction of wind N E ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Hart

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7667

Date, August 12, 1904

Time of day, 1.50 P.M. ; of tide, 3/4 ebb

Locality, Buzzards Bay, Mass.

Exact position, Near Cuckoo Lt. Stick N 1/2 W. 1 mile

Dumpling Rock Lt. N 1/2 W. Dist. 1 1/2 n.

Depth, 10 fathoms

Nature of bottom, Soft mud

Dredging instrument used, Sigsbee trawl and sea water dredge

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

Temperature of air, 65 Fahr. therm. No.,

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 10221 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 10221 " 19

Number of salinometer, 9450

Barometer reading, 30.19

State of sky, Cloudy

Direction of wind NE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. Wait

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7663

Date, August 12, 1908

Time of day, 2.20 P.M. ; of tide, Low water

Locality, Buzzards Bay Mass

Exact position, Bumpkins Rocks Lt. S.E. x E. 1/4 x E. 6 m.
North Rock Lt. S.E. 3/4 x E. Dist 1/2 mile

Depth, 7 fathoms

Nature of bottom, Mud with shells

Dredging instrument used, Petersen bottom scraper dredge

Direction of drift, S.W. ; distance, 1/8 mile

Temperature of air, 65 Fahr. therm. No.,

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 65.5 "

Density at surface, 1.0218 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0219 " 19

Number of salinometer, 7 x 58

Barometer reading, 30.19

State of sky, Cloudy

Direction of wind S.E. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon Edwards

11—1068

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7664

Date, August 15 1904

Time of day, 11.45 AM ; of tide, Ebb

Locality, Buzzards Bay Mass

Exact position Cuttyhunk East Dist 3/4 miles

Nashawena Ledge Stake N-NW 3/4 " 3/4 .

Depth, 12 fathoms

Nature of bottom, Small stones

Dredging instrument used, Oyster dredge

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

Temperature of air, 70.5 Fahr. therm. No.,

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1.0226 temp., Celsius. 16

" at depth of fathoms, "

" at bottom, 10232 " 18

Number of salinometer, 7450

Barometer reading, 29.77

State of sky, Clear

Direction of wind N-NW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Warren E Watt

11—1068

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7665

Date, August 15th 1904

Time of day, 12.05 P.M. ; of tide, 1/2 flood

Locality, Buzzards Bay Mass

Exact position Gillyhunks Lt S E x E Dist 1 3/4 miles

Naw & Cuckoos Lt Ship N W 3/4 N " 2 "

Depth, 11 1/2 fathoms

Nature of bottom,

Dredging instrument used, Dredge

Direction of drift, S W ; distance, 1/8 mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 15 "

Density at surface, 1.0220 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0228 " 18

Number of salinometer, 7450

Barometer reading, 29.76

State of sky, Clear

Direction of wind N W ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Samuel E Hart

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7666

Date, August 15th 1904

Time of day, 2.50 P.M. ; of tide, High water

Locality, Bangsund's Bay Minn

Exact position, N. end Sandbar S. E. Dist 4 miles
Hart Orchard & Ship N. W. 3/4 N " 3/4 "

Depth, 11 fathoms

Nature of bottom, Sticky with small stones

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, 1/8 miles

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 65.5 "

Density at surface, 1.0224 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0224 " 18.5

Number of salinometer, 7450

Barometer reading, 29.77

State of sky, Clear

Direction of wind N.W. ; force, 3.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Samuel E. Hart

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7667 16 ?

Date, August ~~15~~ 1904

Time of day, 1.15 P.M. ; of tide, 1/4 ebb

Locality, Pensacola Bay Texas

Exact position, Dunphy River Lt-St E x E 6 3/4 miles

Fort Pickens Lt-ship S E 3/4 S. 3/4 "

Depth, 9 fathoms

Nature of bottom, Small shell

Dredging instrument used, Oyster dredge

Direction of drift, S W ; distance, 1/8 miles

Temperature of air, 69.5 Fahr. therm. No.,

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0218 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0225 " 19

Number of salinometer, 7450

Barometer reading, 29.77

State of sky, Clear

Direction of wind N W ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Samuel C. Hart

11—1068

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7666

Date, August ~~15~~ 16? 1904

Time of day, 1.40 P.M. ; of tide, 1/4 ebb

Locality, Buzzards Bay Mass

Exact position Nashawena Is. S.E. x E½ x E 3½ x m

Cuttyhunk Is. S.S.E. Dist. 5 miles

Depth, 8 fathoms

Nature of bottom, Muddy sand

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, 1/8 mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0219 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0222 " 19.5

Number of salinometer, 7450

Barometer reading, 29.78

State of sky, Clear

Direction of wind N.W. ; force, 3.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Farmer & West

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7669

Date, August ~~15~~ 16? 1904

Time of day, 2.00 P.M. ; of tide, 1/4 ebb

Locality, Buzzards Bay Mass

Exact position, Dumpling Rocks Lt. S.E. Dist 5 1/2 m

Cuttyhunk Lt. S. x E. 3/4 E. - 3 1/2 -

Depth, 13 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, Oyster dredge

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

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 67.5 "

Density at surface, 1.0219 temp., Celsius 20.5

" at depth of fathoms, "

" at bottom, 1.0224 " 19

Number of salinometer, 7450

Barometer reading, 29.76

State of sky, Clear

Direction of wind N-NW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Hall

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7770

Date, August ~~15~~ 16 ? 1904

Time of day, 2.20 P.M. ; of tide, ½ ebb

Locality, Buzzards Bay Mass

Exact position, Dumpling Rocks E. of Exot ½ N. - 6 miles North and of Sandy Neck E. Exot. Dist 3½.

Depth, 19 fathoms

Nature of bottom, Small stones

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, ⅛ mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0219 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0222 " 19.5

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Clear

Direction of wind N.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Hall

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7671

Date, August ~~15~~ 16? 1904

Time of day, 2.50 PM ; of tide, ½ ebb

Locality, Buzzards Bay Mass

Exact position Cuttyhunk Light Swing Station E x S ½ S Dist ½ mile Cuttyhunk Light S.W. x S. ½ S. Dist 1 mile

Depth, 9 fathoms

Nature of bottom, Shell & muddy sand

Dredging instrument used, Albatross trawl & Oyster dredge

Direction of drift, S.W. ; distance, ½ mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0222 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0226 " 19

Number of salinometer, 7450

Barometer reading, 29.79

State of sky, Clear

Direction of wind N.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Samuel E. Hall

11—1068

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7697

Date, August 19 1908

Time of day, 1145 PM ; of tide, 3/4 flood

Locality, Buzzards Bay Mass

Exact position, Cuttyhunk Lt S.W. x S Dist 2½ miles
Naut Anchorage Lt Ship W 3/4 S " 4 "

Depth, 10 fathoms

Nature of bottom, Small stones, sand and shells

Dredging instrument used, Oyster dredge

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

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0223 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0224 " 19

Number of salinometer, 7450

Barometer reading, 29.81

State of sky, clear

Direction of wind SW ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Lemuel E. Wait

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7673

Date, August 17 1902

Time of day, 200 PM ; of tide, 3/4 flood

Locality, Buzzards Bay, Mass.

Exact position, Cuttyhunk L.S. 3/4 W. Dist 3 1/2 miles

Nan & Chickens L.S. W x S " 3 1/2 "

Depth, 17 fathoms

Nature of bottom, Sandy mud and stones

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 1.0214 temp., Celsius. 14

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 7450

Barometer reading, 29.81

State of sky, Clear

Direction of wind S.W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Samuel E. Hall

11—1068

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7674

Date, August 17 1904

Time of day, 2.20 PM ; of tide, 3/4 flood

Locality, Buzzards Bay, Mass.

Exact position, Dumpling Rock Lt. N.½E. Dist 4 miles
Cuttyhunk Life Saving Station S.E.½S.½S. " 1 3/4 "

Depth, 7 fathoms

Nature of bottom, Coarse sand and mud

Dredging instrument used, Oyster dredge

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

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 1.0219 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0219 " 20

Number of salinometer, 7450

Barometer reading, 29.80

State of sky, Clear

Direction of wind SW. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vaiuard E. Hart

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7675

Date, August 17 1902

Time of day, 2.40 P.M. ; of tide High water

Locality, Buzzards Bay Mass

Exact position Nickerson Pt. East Dist 2 miles

Sam + Anderson Lr-ship SSW x S½ S " 3/4 "

Depth, 6 3/4

Nature of bottom, muddy sand

Dredging instrument used, Sibrum trawl + Ogden dredge

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

Temperature of air, 70 Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0221 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0221 " 20

Number of salinometer, 7450

Barometer reading, 29.80

State of sky, Clear

Direction of wind SW. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Samuel E Ward