Fishhawk

Copy

From Sept 1.1913
To July 29 1914

Serial #7595 to #7627
#7521a to 7547a

Dup

FISH HAWK
7595 to 7627
AND
7521A to 7547A

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7595

Date, September 1 1903

Time of day, 10.10 AM. ; of tide, 1/2 ebb

Locality, Vineyard Sound Mass

Exact position, Gay Head Lt. bears S.

Bell bouy bears Ext

Depth, 7 fathoms

Nature of bottom, stones and gravel

Dredging instrument used, Oyster dredge

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

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

" of surface water, 65.5 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 1.0224 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.0226 " 18.5

Number of salinometer, 7450

Barometer reading, 29.84

State of sky, Partly cloudy

Direction of wind N.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7596

Date, September 1. 1903

Time of day, 10.30 am ; of tide, 1/2 ebb

Locality, Vineyard/Sound/Mass.

Exact position, Gay Head/bears S. 3/4 W.

Nobska Lt/bears N.E.x E. 3/4 E.

Depth, 7 fathoms

Nature of bottom, Hard/sand/and/rock

Dredging instrument used, Ft. beam trawl & scrape dredge Oyster dredge

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

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

" of surface water, 66 " 7634

" at depth of fathoms, "

" at bottom, 67 " 39,75

Density at surface, 10228 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.0226 " 18

Number of salinometer, 7450

Barometer reading, 29.84

State of sky, Clear

Direction of wind NW ; 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. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7597

Date, September 1 1903

Time of day, 11.00 AM ; of tide, 1/2 Ebb

Locality, Vineyard Sound Mass

Exact position, Nobska Lt-tens N E x E 1/2 E

Gay Head Lt-tens S.S.W.

Depth, 12 fathoms

Nature of bottom, Sandy

Dredging instrument used, Lift beam trawl & small scrape dredge

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

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

" of surface water, 66 " 7634

" at depth of fathoms, "

" at bottom, 68.5 " 39175

Density at surface, 1.0223 temp., Celsius 18.5

" at depth of fathoms, "

" at bottom, 10225 " 18

Number of salinometer, 7450

Barometer reading, 29.85

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,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7598

Date, September 1. 1903

Time of day, 11.25 AM ; of tide, 1/2 ebb

Locality, Vineyard Sound Mass

Exact position, Gay Head bears SW x S 1/2 S.

Nobska Pt. bears NE x E 1/2 E.

Depth, 13 fathoms

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl & Oyster dredge

Direction of drift, WSW. ; distance,

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

" of surface water, 66. " 7634

" at depth of fathoms, "

" at bottom, 67 " 34175

Density at surface, 10226. temp., Celsius. 185

" at depth of fathoms, "

" at bottom, 10225 " 18

Number of salinometer, 7453

Barometer reading, 2985

State of sky, Clear

Direction of wind NW. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7599

Date, September 1 1903

Time of day, 12-45 PM ; of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Gay Head bears SW 1/2 S

Cuttyhunk Life Saving Station bears NW x W

Depth, 12 3/4 fathoms

Nature of bottom, Black mud

Dredging instrument used, 7 ft beam trawl

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

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

" of surface water, 66 " 7634

" at depth of fathoms, "

" at bottom, 68 " 39176

Density at surface, 10224 temp., Celsius. 18

" at depth of fathoms, "

" at bottom, 10224 " 18

Number of salinometer, 7450

Barometer reading, 29.85

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,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7600

Date, Sept 1 1903

Time of day, 1200 P.M. ; of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Gay Head bears SW x W 1/4 W.

Tarpaulin Cove bears NE x N 1/2 N

Depth, 10 fathoms

Nature of bottom, hard sand

Dredging instrument used, 7 ft beam trawl

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

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

" of surface water, 67.5 " 7634

" at depth of fathoms, "

" at bottom, 68.5 " 39176

Density at surface, 10233 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, " 18

Number of salinometer, 7450

Barometer reading, 29.87

State of sky, Partly cloudy

Direction of wind NW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vannon E. West

11—1068

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, Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" 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 and position of observer,

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7601

Date, September, 1903

Time of day, 1.35 P.M. ; of tide, Low water

Locality, Vineyard Sound Mass

Exact position, Gay Head bears W x S

Nobska Lt bears N E ¼ E

Depth, 10 fathoms

Nature of bottom, muddy sand

Dredging instrument used, Oyster dredge

Direction of drift, SW x W ; distance, ¼ mile

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

" of surface water, 67.5 " 7634

" at depth of fathoms, "

" at bottom, 66 " 39.75

Density at surface, 1.0220 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0222 " 18.5

Number of salinometer, 7450

Barometer reading, 2986

State of sky, Partly cloudy

Direction of wind SSW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7602

Date, September 1 1903

Time of day, 1.50 P.M. ; of tide, low water

Locality, Vineyard Sound

Exact position, Gay Head bears West

Nobska Lt bears N.E. ¼ N.

Depth, 7 fathoms

Nature of bottom, muddy sand

Dredging instrument used, 7 ft beam brand & small weight dred

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

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

" of surface water, 67 " 7634

" at depth of fathoms, "

" at bottom, 66.5 " 39175

Density at surface, 10224 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 10226 " 18

Number of salinometer, 7450

Barometer reading, 2986

State of sky, Pretty clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7603

Date, September 2 1903

Time of day, 10.15 AM ; of tide, High water

Locality Great ledge off Chatham mass

Exact position, Chatham Lt. bearing W.N.W.

Dist 7 miles

Depth, 17¼ fathoms

Nature of bottom, Stones and gravel

Dredging instrument used, Oyster dredge

Direction of drift, South ; distance, ⅛ miles

Temperature of air, 61 Fahr. therm. No.,

" of surface water, 60.5 " 7634

" at depth of fathoms, "

" at bottom, 58. " 39175

Density at surface, 1.0230 temp., Celsius. 15.5

" at depth of fathoms, "

" at bottom, 1.0244 " 39175

Number of salinometer, 7458

Barometer reading, 29.97

State of sky, Cloudy

Direction of wind S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7604

Date, September 2 1903

Time of day, 10.35 Am ; of tide, High water

Locality, Crab Ledge off Chatham Mass

Exact position, Chatham Lt-beans W x N 3/4 N

Dist 7 miles

Depth, 19 fathoms

Nature of bottom, Sand and gravel

Dredging instrument used, Oyster dredge

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

Temperature of air, 61 Fahr. therm. No.,

" of surface water, 60.0 " 7634

" at depth of fathoms, "

" at bottom, 57 " 39170

Density at surface, 1.0234 temp., Celsius. 15.5

" at depth of fathoms, "

" at bottom, 1.0272 " 11

Number of salinometer, 7463

Barometer reading, 2987

State of sky, Cloudy

Direction of wind S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Hannon E West

11—1068

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7605

Date, September 2, 1903

Time of day, 10.50 am ; of tide, High water

Locality, Crab Ledge off Chatham Mass

Exact position, Chatham Lt bears W. x N. 3/4 N.

Dist 7 miles

Depth, 17 fathoms

Nature of bottom, Pebbles and gravel

Dredging instrument used, Oyster dredge

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

Temperature of air, 61 Fahr. therm. No.,

" of surface water, 60 " 7634

" at depth of fathoms, "

" at bottom, 57 " 39175

Density at surface, 1.0228 temp., Celsius. 15

" at depth of fathoms, "

" at bottom, 102.42 " 11.5

Number of salinometer, 7450

Barometer reading, 2987

State of sky, Cloudy

Direction of wind SE. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7606

Date, September 2, 1903

Time of day, 11.20 Am ; of tide, 1/4 ebb

Locality, Crab Ledge off Chatham Mass

Exact position, Chatham Lt beam W x N 3/4 N Dist 7 miles

Depth, 16 fathoms

Nature of bottom, Large stones and gravel

Dredging instrument used, Oyster dredge

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

Temperature of air, 62 Fahr. therm. No.,

" of surface water, 60 " 7634

" at depth of fathoms, "

" at bottom, 57 " 39175

Density at surface, 1.0232 temp., Celsius. 14.5

" at depth of fathoms, "

" at bottom, 1.0245 " 11.5

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Cloudy

Direction of wind SE ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. West

11—1068

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7607

Date, September 2, 1903

Time of day, 11.45 AM ; of tide, 1/4 ebb

Locality, Crab Ledge off Chatham Mass

Exact position, Chatham Lt bears N.W. x W. N.W.

Dis 7 miles

Depth, 16 3/4 fathoms

Nature of bottom, Large stones and gravel

Dredging instrument used, Oyster dredge

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

Temperature of air, 62 Fahr. therm. No.,

" of surface water, 61 " 7634

" at depth of fathoms, "

" at bottom, 57 " 39175

Density at surface, 10230 temp., Celsius. 15.5

" at depth of fathoms, "

" at bottom, 1.0242 " 10.5

Number of salinometer, 7450

Barometer reading, 2997

State of sky, Cloudy

Direction of wind F.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

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, Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" 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 and position of observer,

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7608

Date, September 2 1903

Time of day, 12.55 P.M. ; of tide, 1/2 ebb.

Locality, Crab Ledge off Chatham Mass

Exact position, Chatham Lt bears W.S.W. Dist 7 3/4 miles

Depth, 19 3/4 fathoms

Nature of bottom, Gravel

Dredging instrument used, Scrape dredge / Lift beam trawl / Cipher dredge

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

Temperature of air, 62 Fahr. therm. No.,

" of surface water, 60.5 " 7634

" at depth of fathoms, "

" at bottom, 58 " 39175

Density at surface, 1.0235 temp., Celsius. 15

" at depth of fathoms, "

" at bottom, 1.0244 " 11

Number of salinometer, 7450

Barometer reading, 29.99

State of sky, Cloudy

Direction of wind S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. Wait

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7609

Date, September 2, 1903

Time of day, 2.25 P.M.; of tide, 3/4 ebb.

Locality, Crab Ledge off Chatham Mass

Exact position, Chatham Lt bears W 1/4 N.

Dist 7 1/4 miles

Depth, 25 fathoms

Nature of bottom, Shells and pebbles

Dredging instrument used, Oyster dredge

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

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

" of surface water, 63.5 " 7634

" at depth of fathoms, "

" at bottom, 56 " 39175

Density at surface, 1.0233 temp., Celsius. 165

" at depth of fathoms, "

" at bottom, 1.0243 " 11

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind S.S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E West

11—1068

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7521 a

Date, July 1st 1904

Time of day, 1.40 PM ; of tide, 3/4 ebb

Locality, Vineyard Sound

Exact position, Nobska Lt bears N.E. x x 1/2 miles

Depth, 7 1/2 fathoms

Nature of bottom, Coarse sand and stone

Dredging instrument used, Scrape dredge

Direction of drift, SW. ; distance, 1/4 miles

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0224 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.07

State of sky, Clear

Direction of wind S.S.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 7521 a

Coral common
3 species Hydroids
Bryozoa 2 species
Few star fish
Many worms
Few crustaceans
Many shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7522 W

Date, July 1st 1904

Time of day, 2.00 P.M. ; of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Nobska Lt bears N 1/2 W

Dist 1 mile

Depth, 14 3/4 fathoms

Nature of bottom, Sand and stones

Dredging instrument used, 7 ft beam trawl.

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

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0222 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 10224 " 20

Number of salinometer, 7450

Barometer reading, 30.07

State of sky, Clear.

Direction of wind S.S.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 75 vva

Many sponges
Few Hydroids
Few starfish
Few worms
Few shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7523 W

Date, July 1st 1904

Time of day, 2.30 P.M. ; of tide, 3/4 ebb.

Locality, Vineyard Sound, Mass

Exact position, Hobsku Lt bears N.N.W.

Dist 1 5/8 miles

Depth, 12 fathoms

Nature of bottom, Large gravel

Dredging instrument used, 7 ft beam trawl & scrape dredge

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

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0221 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0224 " 20

Number of salinometer, 7450

Barometer reading, 30.07

State of sky, Clear

Direction of wind SSE ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 1523a

Sponges abundant
Hydroids common
Bryozoa common
Many starfish
" sea urchins
" worms and shells

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 24 a

Date, July 14 1904

Time of day, 300 PM ; of tide, 3/4 ebb

Locality, Vineyard Sound, Mass.

Exact position, Nobska Lt bears N. N. W. & W.

Dist 2 1/4 miles

Depth, 10 fathoms

Nature of bottom, Stones and dead shells

Dredging instrument used, 7 ft beam trawl & 24" scrape dredge

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

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

" of surface water, 67 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0222 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0222 " 20

Number of salinometer, 7450

Barometer reading, 30.07

State of sky, Clear

Direction of wind SE x E ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 75 v.t.a.

Sponge few
Hydroids "
Worms common
Crustaceans "
Shells few

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7525 a

Date, July 14 1904

Time of day, 3.45 P.M.; of tide, 3/4 ebb.

Locality, Vineyard Sound grass

Exact position, Nobska Lt. beams N.N.W. 1/4 W.

Dist. 2 5/8 miles

Depth, 10 fathoms

Nature of bottom, Sand & grass

Dredging instrument used, 7 ft beam trawl, 24 oz crab dredge, Oyster dredge

Direction of drift, S.W. ; distance, 1/4 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. 20

" at depth of fathoms, "

" at bottom, 1.0223 " 20

Number of salinometer, 7450

Barometer reading, 30.07

State of sky, Clear.

Direction of wind S x E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 15 V 5 a

Hydroids many
Sand dollars "
Worms "
Shells "
Few starfish and Sea urchins

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7532 a

Date, July 18th 1904

Time of day, 2.10 PM ; of tide, High water

Locality, Vineyard Sound Mass

Exact position, West Chop bears E.S.E.

Turpaulin Cove bears W x S 1/2 S.

Depth, 9 fathoms

Nature of bottom, Coarse sand and stones

Dredging instrument used, Rake dredge

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

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 69 " 32175

Density at surface, 1.0220 temp., Celsius. 21.5

" at depth of fathoms, "

" at bottom, 1.0221 " 21

Number of salinometer, 7453.

Barometer reading, 2985

State of sky, Partly cloudy

Direction of wind SW. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E West

11—1068

NOTES RELATING TO STATION NO. 753 N.W.

Hydroids	common
Crustaceans	"
Worms	few
Echinoderms	"
Shells	many

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7533 a

Date, July 18, 1904

Time of day, 2.30 PM ; of tide, High water

Locality, Vineyard Sound, Mass.

Exact position Tarpaulin Cove bears W x S
West Chop bears E x S ½ S

Depth, 15 fathoms

Nature of bottom, Coarse sand and stones

Dredging instrument used, Rake dredge

Direction of drift, South ; distance, ⅛ mile

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

" of surface water, 70.5 "

" at depth of fathoms, "

" at bottom, 69 " 32175

Density at surface, 1.0222 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0224 " 20

Number of salinometer, 7453

Barometer reading, 29.85

State of sky, Partly cloudy

Direction of wind SW ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7533 a

Chalina Ambuscula common
Sulphur sponge "
Hydroids Few
Worms "
Shells many

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7534 a

Date, July 18 1904

Time of day, 250 PM ; of tide,

Locality, Vineyard Sound Mass

Exact position, Tarpaulin Cove bears W½ S West Chop bears E½S, Nobska Lt bears N E

Depth, 12 fathoms

Nature of bottom, Small stones

Dredging instrument used, 7 ft beam trawl & scrape dredge

Direction of drift, S.W. ; distance, ¼ mile

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 67.5 " 32175

Density at surface, 10224 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 10222 " 19.5

Number of salinometer, 7450

Barometer reading, 29.85

State of sky, Partly cloudy

Direction of wind SW ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7538a

Sponges few
Hydroids "
Worms "
Shells very common

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7535 a

Date, July 18 1904

Time of day, 3.20 PM ; of tide, High water

Locality, Vineyard Sound Mass

Exact position, Tobeka Lt bears N.N.E.
Tuckerman Cove bears W x N

Depth, 12 fathoms

Nature of bottom, small stones

Dredging instrument used, 7 ft beam brown & scrape dredge

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

Temperature of air, 77. Fahr. therm. No.,

" of surface water, 66. "

" at depth of fathoms, "

" at bottom, 67 " 32175

Density at surface, 1.0233 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0225 " 19.5

Number of salinometer, 7450

Barometer reading, 29.85

State of sky, Partly cloudy

Direction of wind SW ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 1535a

Sulphur	sponge	common
Hydroids		"
Shells		"
Coral		"
Shells		few

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7536 a

Date, July 18 1904

Time of day, 350 P M ; of tide, 1/4 ebb

Locality, Vineyard Sound Mass

Exact position, Nobska Lt bears N x E 1/2 E

Tarpaulin Cove bears W x N 1/2 N.

Depth, 11 1/2 fathoms

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl & scrape dredge

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

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 68 " 32175

Density at surface, 1.0225 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.0225 " 19.

Number of salinometer, 7450

Barometer reading, 29.85

State of sky, Partly cloudy

Direction of wind S.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7536a

Sulphur sponges common
Red Hydroids
" worms
Many sand dollars
Shells common

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7537a

Date, July ~~18~~ 20 1904

Time of day, 2.05 P.M. ; of tide, 1/4 ebb.

Locality, Vineyard Sound / Mass

Exact position, Tarpaulin Cove bears W x S 1/2 S

West Chop bears E x S

Depth, 4 1/2 fathoms

Nature of bottom, Gravel / mud / mud

Dredging instrument used, Rake dredge.

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

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 70 " 3 x 175

Density at surface, 1.0222 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0226 " 19.5

Number of salinometer, 7 x 50

Barometer reading, 29.85

State of sky, Clear

Direction of wind S.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7537a

Sulphur sponge common
Few Hydroids
Asterias Vulgaris few
Sand dollars "
Worms "
Shells "

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 K 3 W

Date, July 20 1904

Time of day, 2.30 PM; of tide, 1/2 flood

Locality, Gay Head beam SW 1/2 S

Exact position, Nobska Lt beam E x N 1/2 North

Depth, 13 fathoms

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl

Direction of drift, N.E. ; distance, 1/8 mile

Temperature of air, 82 Fahr. therm. No.,

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 69 " 32175

Density at surface, 1.0221 temp., Celsius. 21

" at depth of fathoms, "

" at bottom, 1.0221 " 21

Number of salinometer, 7450

Barometer reading, 29.68

State of sky, Partly cloudy

Direction of wind West ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 75 X 3 W

Hydroids common
Worms "
Starfish & sea urchins scant
Crabs few
Shells abundant

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 XXa

Date, July 20 1904

Time of day, 3.00 P.M. ; of tide, 1/2 flood

Locality, Vineyard Sound Mass

Exact position, Tarpaulin Cove bears W. 3/4 N.

Nobska Lt bears N.E. x E. 1/2 E.

Depth, Depth 13 fathoms

Nature of bottom, Coarse gravel

Dredging instrument used, Rake dredge

Direction of drift, N.E. ; distance, 1/4 mile

Temperature of air, 84 Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 " 32175

Density at surface, 1.0224 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0225 " 20.5

Number of salinometer, 7450

Barometer reading, 29.60

State of sky, Partly cloudy

Direction of wind West ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. West

11—1068

NOTES RELATING TO STATION NO. 75 [illegible]

Bag of dredge lost
Sulphur sponge [illegible]

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7545 a

Date, July 20th 1904

Time of day, ; of tide, 1/2 flood

Locality, Vineyard Sound Mass

Exact position, Nobska Lt bears NE 1/2 E.
Tarpaulin Cove bears NW x W 3/4 W.

Depth, 12 1/2 fathoms

Nature of bottom, Sand and gravel

Dredging instrument used, 24" scrape dredge

Direction of drift, N.E. ; distance, 1/4 mile

Temperature of air, 82 Fahr. therm. No.,

" of surface water, 68.5 "

" at depth of fathoms, "

" at bottom, 70 " 32175

Density at surface, 1.0223 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0225 " 20

Number of salinometer, 7450

Barometer reading, 29.68

State of sky, Partly cloudy

Direction of wind West ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 75X5a

Hydroids	few
Crustaceans	"
Shells	common
Bryozoa	"

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7546 W

Date, July 20 1904

Time of day, 3 45 ; of tide, 3/4 flood

Locality, Vineyard Sound Mass

Exact position, Nobska Lt. bears N E 1/2 E

Tarpaulin Cove bears N W x W 1/2 W.

Depth, 10 fathoms

Nature of bottom, shell fragments

Dredging instrument used, Oyster dredge

Direction of drift, N.E. ; distance, 1/4 mile

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

" of surface water, 60 "

" at depth of fathoms, "

" at bottom, 70 " 32175

Density at surface, 1.0228 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0223 " 19.5

Number of salinometer, 7450

Barometer reading, 29.68

State of sky, Partly cloudy

Direction of wind West ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E West

11—1068

NOTES RELATING TO STATION NO. 75 A 6a

Several hydroids
Few sea urchins
Shells common
Barnacles abundant

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 Ala

Date, July 20 1904

Time of day, 4:10 P.M. ; of tide, High water

Locality, Vineyard Sound Mass

Exact position Nobska Lt bears N.E. 3/4 N.
Turpaulin Cove bears N.W. 3/4 W.

Depth, 13 fathoms

Nature of bottom, Sand and coarse gravel

Dredging instrument used, Swan dredge 7 ft beam trawl & Oyster dredge

Direction of drift N.E. 1/2 E ; distance, 1/4 mm

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 69 " 32175

Density at surface, 1.0230 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0225 " 19.5

Number of salinometer, 7450

Barometer reading, 29.68

State of sky, Partly cloudy

Direction of wind West ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 75474

Sponge sulphur	common
Hydroids	"
Bryozoa	"
Sea urchins	"
Asturias Vulgaris	"
Worms	very "
Several crabs	
Few shells	

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7610

Date, July 22 1904

Time of day, 1.45 PM ; of tide, 1/4 flood

Locality, Buzzards Bay mass

Exact position, S. end Big Wiepecket Is W x S 3/4 S 2 miles

Nobska Lt bears S E x E 1/2 E. Dist 2 1/8 miles

Depth, 4 1/2 fathoms

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl & scrape dredge

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

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 74.5 " 32175

Density at surface, 1.0222 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0220 " 23

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Cloudy

Direction of wind East ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7610

Sulphur sponge	small amount
Grantia	" "
Bryzoa	" "
Hydroids	" "
Starfish and Sea urchins	scarce

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7611

Date, July 22 1904

Time of day, 1.45 P.M.; of tide, 1/4 flood

Locality, Buzzards Bay mass

Exact position, Kobska St. S.E. 1/2 E Dist 3 1/2 miles

Two small Weapocket Islds " 1 1/2 "

Depth, 7 1/2 fathoms

Nature of bottom, Black mud

Dredging instrument used, 7 ft beam trawl & scrap dredge

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

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 70 " 32175

Density at surface, 1.0218 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0216 " 22

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Cloudy

Direction of wind East ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. Nott

NOTES RELATING TO STATION NO. .....

Worms common
Crustaceans "
Shells very "

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7612

Date, July 22nd 1904

Time of day, 2.45 ; of tide, 1/4 Flood

Locality, Buzzards Bay Mass

Exact position, Bird Is Lt N.N.E. Dist 7 1/2 miles

Stand Pipe Fairhaven N.W. 1/2 N. " 7 3/4 "

Depth, 7 1/2 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, 7 ft beam trawl & scrape dredge

Direction of drift, E N E ; distance, 1/8 mile

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 72 " 32176

Density at surface, 1.0221 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0215 " 22.5

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Cloudy

Direction of wind East ; 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. 7612

Sulphur sponge
Coral
Worms common
Crustaceans "
Shells "

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7613

Date, July 22 1904

Time of day, 3.05 P.M. ; of tide, 1/4 flood

Locality, Buzzards Bay Mass

Exact position, Bird Is Lt N.E. x N Dist 6 mile

Stand Pipe Fairhaven N W 1/2 N " 6 1/4 "

Depth, 7 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, 7 ft beam trawl & scrape dredge

Direction of drift, E N.E. ; distance, 1/8 mile

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 72 " 32175

Density at surface, 10.216 temp., Celsius. 225

" at depth of fathoms, "

" at bottom, 10.216 " 225

Number of salinometer, 7450

Barometer reading, 2996

State of sky, Cloudy

Direction of wind East ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7613

Sponge abundant
Worms common
Crustaceans "
Shells abundant

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7614

Date, July 22 1904

Time of day, 3.30 P.M. ; of tide, 1/2 flood

Locality, Buzzards Bay Mass

Exact position, Stand Pipe Fairhaven N.W. 3/4 miles
Angelica & Cormorant P & Beacon 5/8 miles

Depth, 5 fathoms

Nature of bottom, Black muddy sand

Dredging instrument used, 7 ft beam trawl & scrape dredge

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

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 73 " 32175

Density at surface, 1.0218 temp., Celsius 22.5

" at depth of fathoms, "

" at bottom, 1.0210 " 22.5

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Cloudy

Direction of wind East ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7614

Few sponges
Shells common

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7615

Date, July 22 1904

Time of day, 3.50 PM ; of tide, 1/2 flood

Locality, Buzzards Bay Mass

Exact position, Bird Is Lt N E & E 3/4 E Dist 5 3/4 mm

Sland Pipe Fairhaven N W 1/4 W " 3 1/2 .

Depth, 3 1/2 fathoms

Nature of bottom, Black muddy sand

Dredging instrument used, 1 ft beam trawl & scrape dredge

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

Temperature of air, 72 Fahr. therm. No.,

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 71.5 " 32175

Density at surface, 1.0222 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0219 " 22.5

Number of salinometer, 7450

Barometer reading, 29.98

State of sky, Cloudy

Direction of wind East ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 2615

Sponges	abundant
Mung	star fish
Crustaceans	common
Shells	few

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7616

Date, July 25 1904

Time of day, 2.15 PM ; of tide, 3/4 ebb.

Locality, Buzzards Bay mass

Exact position, N Weepecket Is W x S 1/2 S Dist 3 1/4 mi

Pt of Quanquissett Is S x E 1/2 E Dist 1/4 mile

Depth, 5 1/2 fathoms

Nature of bottom, muddy sand

Dredging instrument used, Oyster dredge

Direction of drift, East ; distance, 1/16 mile

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 71 " 32176

Density at surface, 1.0223 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0226 " 20.5

Number of salinometer, 7450

Barometer reading, 30.13

State of sky, Partly cloudy

Direction of wind W N W ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7616

Starfish common
Worms "
Crustacea many
Shells abundant

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7617

Date, July 25 1904

Time of day, 2.30 PM ; of tide, 3/4 ebb

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt N.N.E. 1/4 E. - 7 mi

Mattapoisett Lt N.W.x.W. 6 3/4 miles

Depth, 7 1/2 fathoms

Nature of bottom, Black mud

Dredging instrument used, 7 ft beam trawl

Direction of drift, E.N.E. ; distance, 1/4 mile

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 68.5 "

Density at surface, 1.0220 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0220 " 20

Number of salinometer, 7450

Barometer reading, 30.13

State of sky, Partly cloudy

Direction of wind W.N.W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 7617

Crustaceans — common

Shells "

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7618.

Date, July 25 1904

Time of day, 300 PM ; of tide, Low water

Locality, Buzzards Bay Mass

Exact position, Wing Neck Lt. N.E. 1/4 N. 6 1/4 mi

Mattapoisett Lt. N.N.W. 1/2 W. Dist 4 3/4 mi

Depth, 7 fathoms

Nature of bottom, Soft black mud

Dredging instrument used, Ft. Brown trawl & scrape dredge

Direction of drift, E.N.E. ; distance, 1/4 mile

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 69 " 32175

Density at surface, 1.0221 temp., Celsius. 21

" at depth of fathoms, "

" at bottom, 1.0219 " 20.5

Number of salinometer, 7450

Barometer reading, 30.13

State of sky, Partly cloudy

Direction of wind W.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. 4618

Sulphur sponge common
Worms "
Shells abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7619

Date, July 25. 1904

Time of day, 3.40 P.M. ; of tide, Low water

Locality, Vineyard Sound Mass

Exact position, Wings Neck Lt N.E. x E. 1/4 E. Dist 6 1/4 miles

Mattapoisett Lt N.N.W. - 2 3/4 -

Depth, 7 fathoms

Nature of bottom, Soft black mud

Dredging instrument used, Tilt beam trawl and scrape dredger

Direction of drift, E.N.E. ; distance, 1/4 mile

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 70 " 32.75

Density at surface, 1.0218 temp., Celsius. 21.5

" at depth of fathoms, "

" at bottom, 1.0219 " .21

Number of salinometer, 7450

Barometer reading, 30.13

State of sky, Partly cloudy

Direction of wind WSW ; 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. 7619

Sponges	common
Worms	few
Shells	"

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7620

Date, July 25 1904

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

Locality, Buzzards Bay Mass

Exact position, Bird Is. Lt. NE x E 3/4 E - 3 1/4 mi

Wallapiscett Lt. NW x N 1/2 N. 1 1/2

Depth, 4 fathoms

Nature of bottom, Black muddy sand

Dredging instrument used, Oyster dredge

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

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 71.5 "

Density at surface, 1.0215 temp., Celsius 21.5

" at depth of fathoms, "

" at bottom, " 21.5

Number of salinometer, 7450

Barometer reading, 30.13

State of sky, Partly cloudy

Direction of wind NNW ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. .....

Sulphur sponge	abundant
Shells	"
Starfish	common
Crustaceans	few

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7621

Date, July 27 1904

Time of day, 2.20 PM ; of tide, 1/2 ebb

Locality, Buzzards Bay mass

Exact position, Wings Neck Lt N 3/4 E Dist 6 1/4 mi

Mallapoisett Lt N W 1/4 W " 7 3/4

Depth, 5 1/2 fathoms

Nature of bottom Coarse sand and shell fragments

Dredging instrument used, Oyster dredge

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

Temperature of air, 77 Fahr. therm. No.,

" of surface water, 75 "

" at depth of fathoms, "

" at bottom, 74.5 "

Density at surface, 1.0212 temp., Celsius 23.5

" at depth of fathoms, "

" at bottom, 1.0215 " 23

Number of salinometer, 7450

Barometer reading, 30.10

State of sky, Partly cloudy

Direction of wind SW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 76 NW

Few shells.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

7622 (?)

Station No. 4623

Date, July 27 1908

Time of day, 200 ; of tide, 3/4 ebb

Locality, Buzzards Bay Mass

Exact position, [illegible]

Depth, 7 fathoms

Nature of bottom, Black mud

Dredging instrument used, [illegible]

Direction of drift North ; distance, 1/4 mile

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

" of surface water, 73 "

" at depth of fathoms, "

" at bottom, 73 " 32175

Density at surface, 1.0219 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0217 " 22.5

Number of salinometer, 4450

Barometer reading, 30.09

State of sky, Partly cloudy

Direction of wind West ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West

11—1068

NOTES RELATING TO STATION NO. 7623

Crustaceans few
Shells "
Oysters "

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7624

Date, July 27 1904

Time of day, 3.40 P.M. ; of tide, 3/4 ebb

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt N.E. x E Dist. 4 1/2 m

Mattapoisett Pt N.W. 3/4 W.

Depth, 5 1/2 fathoms

Nature of bottom, muddy sand and shell fragments

Dredging instrument used, Ft beam trawl & scrape dredge

Direction of drift, N.E. ; distance, 3/4 mile

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

" of surface water, 74.5 "

" at depth of fathoms, "

" at bottom, 72.5 " 32175

Density at surface, 1.0213 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0217 " 22.6

Number of salinometer, 7450

Barometer reading, 30.09

State of sky, Pretty cloudy

Direction of wind West ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E West

11—1068

NOTES RELATING TO STATION NO. 76 v 8

Sulphur sprays
Worms common
Crustaceans "
Fan shells "

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7625

Date, July 27 1904

Time of day, 4 00 PM ; of tide, 3/4 ebb

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt E x N 1/2 N Dist 4 3/4 mi

Mattapoisett Lt N W x W Dist 2 miles

Depth, 4 3/4 fathoms

Nature of bottom, muddy sand

Dredging instrument used, Oyster dredge

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

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 72.5 "

Density at surface, 1.0214 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0214 " 22.5

Number of salinometer, 7450

Barometer reading, 30.08

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,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 1675

Sulphur sponges
Starfish common
Shells abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7626

Date, July 29 1904

Time of day, 2.00 PM ; of tide, 1/4 ebb

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt N x E Dist 4 miles

Mattapoisett Lt N.W. x W 1/4 W " 6 1/2 "

Depth, 4 3/4 fathoms

Nature of bottom, muddy sand and shell fragments

Dredging instrument used, Oyster dredge

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

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

" of surface water, 75. "

" at depth of fathoms, "

" at bottom, 74 " 32175

Density at surface, 1.0212 temp., Celsius 23.5

" at depth of fathoms, "

" at bottom, 1.0212 " 23.5

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, Partly cloudy

Direction of wind West ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 1626

Coral	common
Worms	"
Crustaceans	plentiful
Shells	few

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 7627

Date, July 29th 1904

Time of day, 2 30 PM ; of tide, 1/4 ebb

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt N E & E Dist 3 1/4 miles

Bird Is Lt N & W 3/4 W " 2 3/4 "

Depth, 5 1/4 fathoms

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl & scraper dredge

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

Temperature of air, 74 therm. No.,

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 32175

Density at surface, 1.0211 temp., 23

" at depth of fathoms, "

" at bottom, 1.0212 " 23

Number of salinometer, 7450

Barometer reading, 2993

State of sky, Partly cloudy

Direction of wind, West ; force, 6

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,

Vernon E West

NOTES RELATING TO STATION NO. 7627

Small amount of sponge
Many crustaceans
Shell common