Fishhawk

Copy

From Sept 1.1903
To July 29 1904

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, 10.16 AM. ; of tide, 1/2 ebb

Locality, Vineyard Sound Mass

Exact position, Gay Head Lt bears S.

Bell buoy bears East

Depth, 1 fathom

Nature of bottom, shoal 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, 1.0227 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,

Warren E. West

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 596

Date, September 1. 1903

Time of day, 10.30 AM ; of tide, 1/4 ebb

Locality, Vineyard Sound, Mass.

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

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

Depth, 7 fathoms

Nature of bottom, Hard sand and rock

Dredging instrument used, 7 ft beam beam & 1 inch dredge
Oyster dredge

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

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

" of surface water, 66 " 9634

" at depth of fathoms, "

" at bottom, 65 " 39,95

Density at surface, 1.0228 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.0228 " 18

Number of salinometer, 9450

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. Hunt

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1599

Date, September 1 1903

Time of day, 11.00 AM ; of tide, ½ Ebb

Locality, Vineyard Sound / Tyson

Exact position, N. Pole Lighthouse N.E. & E. ½ E.

Gay Head Lighthouse 3½ M.

Depth, 12 fathoms

Nature of bottom, Sandy

Dredging instrument used, Petersen bottom trawl & small scrape dredge

Direction of drift, W.S.W. ; distance, ½ 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, 10273 temp., Celsius 18.5

" at depth of fathoms, "

" at bottom, 10275 " 18

Number of salinometer, 1450

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,

Vernon E. Hart

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1598

Date, September 1. 1903

Time of day, 11.25 AM ; of tide, ½ ebb

Locality, Vineyard Sound Trawl

Exact position, Gay Head bearing S 11° x S ½ S.

Nobska Pt. bearing N 3° x E ½ E.

Depth, 13 fathoms

Nature of bottom, Sandy

Dredging instrument used, 1 pt. brass beam trawl & Oyster dredge

Direction of drift, NSW. ; distance,

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

" of surface water, 66. " 7638

" at depth of fathoms, "

" at bottom, 69 " 34175

Density at surface, 10276. temp., Celsius. 185

" at depth of fathoms, "

" at bottom, 10275 " 18

Number of salinometer, 1455

Barometer reading, 29.85

State of sky, Clear

Direction of wind NW. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Norman E. West

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7599

Date, September 1 1903

Time of day, 12-45 P.M. ; of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Gay Head bears SW 1/2 S

Cuttyhunk Life Saving Station bears N.W. x W.

Depth, 17 3/4 fathoms

Nature of bottom, Black mud

Dredging instrument used, 7 ft beam dredge

Direction of drift, N.W.

; distance, 1/4 mile

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

" of surface water, 66 " 7632

" at depth of fathoms, "

" at bottom, 68 " 39195

Density at surface, 10222 temp., Celsius. 18

" at depth of fathoms, "

" at bottom, 10222 " 18

Number of salinometer, 7450

Barometer reading, 29.55

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,

Warren E. Wright

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7600

Date, Sept 1 1903

Time of day, 1:20 P.M. ; of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Gay Head bears SW x W ¼ W.

Squaplin Cove bears SE x E ½ E

Depth, 10 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 7 ft beam trawl

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

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

" of surface water, 67.5 " 7638

" at depth of fathoms, "

" at bottom, 68.5 " 39176

Density at surface, 1022.3 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,

Samuel E West

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7601

Date, September 1, 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 NE 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, 1.0275 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0277 " 18.5

Number of salinometer, 7455

Barometer reading, 29.86

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, James E West

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7607

Date, September 1 1903

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

Locality, Tangent Sound

Exact position, Gull Island bears West

Tuluksak Island bears N.E. ½ N.

Depth, 7 fathoms

Nature of bottom, muddy sand

Dredging instrument used, 7 fathom bottom & small scrape dredge

Direction of drift, South ; distance, ½ 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, 10277 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 10276 " 18

Number of salinometer, 7450

Barometer reading, 7986

State of sky, Partly clear

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

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. 7603

Date, September 7 1903

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

Locality, Coral ledge off Chatham Island

Exact position, Chatham Island W.S.W.

Dist 7 miles

Depth, 17½ fathoms

Nature of bottom, Stones and gravel

Dredging instrument used, Clyde dredge

Direction of drift, South ; distance, ⅛ mile

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

" of surface water, 60.5 " 7634

" at depth of fathoms, "

" at bottom, 58. " 34175

Density at surface, 1.0230 temp., Celsius. 15.5

" at depth of fathoms, "

" at bottom, 1.0244 " 39175

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Cloudy

Direction of wind SE. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7604

Date, September 2 1903

Time of day, 10.35 AM ; of tide, Flood water

Locality, Crab Ledge off Chatham Mass

Exact position, Chatham Lighthouse Hr x Dr 3/4 Dr

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, 60.5 " 7634

" at depth of fathoms, "

" at bottom, 59 " 39.175

Density at surface, 1.0234 temp., Celsius. 15.5

" at depth of fathoms, "

" at bottom, 1.0244 " 11

Number of salinometer, 7403

Barometer reading, 29.87

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 Elliott

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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 Lighthouse N. x E. 3/4 E.

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 " 7638

" at depth of fathoms, "

" at bottom, 57 " 39175

Density at surface, 1.0278 temp., Celsius. 15

" at depth of fathoms, "

" at bottom, 1024.2 " 11.5

Number of salinometer, 7850

Barometer reading, 29.87

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,

Harmon E. Clark

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 Lighthouse N 37° 3/4 W

Dist 2 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, 60 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, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Warren Elliott.

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 L-house S.W. x 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.E. ; distance, 1/8 mile

Temperature of air, 60 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, 1.02422 " 10.5

Number of salinometer, 7450

Barometer reading, 2997

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,

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1608

Date, September 2 1903

Time of day, 12.55 P.M. ; of tide, ½ ebb.

Locality, Crab Ledge off Chatham Mass

Exact position, Chatham Lighthouse S.W. by W. ½ W. 1¾ miles

Depth, 19¾ fathoms

Nature of bottom, Gravel

Dredging instrument used, Scraper dredge Chatham gravel dredge

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

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

" of surface water, 60.5 " 9634

" 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, 9450

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,

Warren Collins

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1609

Date, September 2, 1903

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

Locality, Gerald Ledge off Gloucester Mass

Exact position, Gloucester St. Beacon Nr. 1/4 St.

Dist. 1 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 " 1634

" at depth of fathoms, "

" at bottom, 56 " 39175

Density at surface, 1.0233 temp., Celsius. 16.5

" at depth of fathoms, "

" at bottom, 1.0243 " 11

Number of salinometer, 1450

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind S.S.E. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. Hunt

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7521 a

Date, July 14 1904

Time of day, 1.10 PM ; of tide, 3/4 ebb

Locality, Vineyard Sound

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

Depth, 9 1/2 fathoms

Nature of bottom, Coarse sand and stone

Dredging instrument used, Beam dredge

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

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

" of surface water, 66 "

" 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, 30.09

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, Warren Eldredge

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7522 W

Date, July 14 1904

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

Locality, Vineyard Sound, Mass

Exact position, Nobska Lighthouse S. 1/2 W.

Dist 1 mile

Depth, 14 3/4 fathoms

Nature of bottom, Sand and stones

Dredging instrument used, Albatross trawl.

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, 1.0224 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 S.S.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Samuel E. Hall

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 9573 w

Date, July 14th 1904

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

Locality, Vineyard Sound, Mass

Exact position, Polpis Ledge bearing N.N.W. Dist 1 5/8 miles

Depth, 12 fathoms

Nature of bottom, Large gravel

Dredging instrument used, Albatross scraper dredge

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

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0271 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0274 " 20

Number of salinometer, 7450

Barometer reading, 30.07

State of sky, Clear

Direction of wind SSE ; force, 1

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. 75 24 a

Date, July 14 1904

Time of day, 300 P.M. ; of tide, 3/4 ebb

Locality, Vineyard Sound, Mass.

Exact position, Nobska Lt bears N 45° W.

Dist 2 1/4 miles

Depth, 10 fathoms

Nature of bottom, Stones and dead shells

Dredging instrument used, Trawl beam & 24" scraper dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 1.0222 temp., Celsius. 14.5

" 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×E ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Kent

NOTES RELATING TO STATION NO. 95 VH a

Sponges few
Hydroids "
Worms common
Crustaceans "
Shells few

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1525 W

Date, July 14 1904

Time of day, 3:45 PM; of tide, 3/4 ebb.

Locality, Vineyard Sound / Gross

Exact position, Gobelin & Lt-house S.S.W. 1/4 W.

Dist. 2 5/8 miles

Depth, 10 fathoms

Nature of bottom Sand & gravel

Dredging instrument used, Gilbraith trawl, Oyster dredge, Petersen dredge

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

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 1.0222 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0223 " 20

Number of salinometer, 1450

Barometer reading, 30.09

State of sky, Clear.

Direction of wind SxE. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Warren Eckart

NOTES RELATING TO STATION NO. 1575a

Hydroids	many
Sund. dallmo	"
Worms	"
Shells	"
Fan clarfish and Sea urchins	

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 32-W

Date, July 18th 1904

Time of day, 2.10 P.M. ; of tide, High water

Locality, Vineyard Sound, Mass

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

Surpaulin Cove bears NxS½S.

Depth, 9 fathoms

Nature of bottom, Coarse sand and stones

Dredging instrument used, Baker dredge

Direction of drift, SSW ; distance, ⅛ mile

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

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, 64 " 32-175

Density at surface, 1.0270 temp., Celsius. 21.5

" at depth of fathoms, "

" at bottom, 1.0271 " 21

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,

Vernon E. West.

NOTES RELATING TO STATION NO. 153 va

Hydroids	common
Crustaceans	"
Worms	few
Echinoderms	"
Shells	many

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7533 a

Date, July 18, 1901

Time of day, 2.30 P.M. ; of tide, High water

Locality, Vineyard Sound, Mass.

Exact position Farranlin Rock bears W×S

West Chop bears E×S½S

Depth, 15 fathoms

Nature of bottom, Coarse sand with stones

Dredging instrument used, Tube dredge

Direction of drift, South ; distance, ½ mile

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

" of surface water, 70.5 "

" at depth of fathoms, "

" at bottom, 69 " 32-175

Density at surface, 1.0227 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0224 " 20

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,

Warren E. West

NOTES RELATING TO STATION NO. 7533 a

Chalina Ambuscula — common

Sulphur sponge — "

Hydroids — few

Worms — "

Shells — many

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1534 a

Date, July 18 1904

Time of day, 750 P.M. ; of tide,

Locality, Vineyard Sound, Mass.

Exact position, Franklin Cove bears W½ S
West Chop bears E½ S, Stokes Ledge bears SE

Depth, 17 fathoms

Nature of bottom, Small stones

Dredging instrument used, Albatross scraper dredge

Direction of drift, SW. ; distance, ¼ mile

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69.5 " 37175

Density at surface, 10224 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 10222 " 19.5

Number of salinometer, 4450

Barometer reading, 29.85

State of sky, Cloudy

Direction of wind SW ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Wall

NOTES RELATING TO STATION NO. 75 3 N a

Sponges few
Hydroids "
Worms "
Shells very common

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7535 a

Date, July 18 1908

Time of day, 3.20 P.M. ; of tide, Ebb water

Locality, Vineyard Sound Mass

Exact position, Nobska Lt bears N. 3 E.
Surface Current from N x E

Depth, 17 fathoms

Nature of bottom, small stones

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

Direction of drift, SW. ; distance, ¼ mile

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

" of surface water, 66. "

" at depth of fathoms, "

" at bottom, 69 " 3195

Density at surface, 1.0233 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0275 " 19.5

Number of salinometer, 7450

Barometer reading, 29.85

State of sky, Cloudy cloudy

Direction of wind SW ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vannon E Hart

NOTES RELATING TO STATION NO. 1535a

Sulphur	sponge	common
Hydroids		"
Shells		"
Coral		"
Shells		few

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 9536 a

Date, July 18 1904

Time of day, 350 P M ; of tide, ½ ebb

Locality, Vineyard Sound / Inner

Exact position, Nobska Lt bears N x E ½ E

Tarpaulin Cove bears W x N ½ N.

Depth, 11½ fathoms

Nature of bottom, Sandy

Dredging instrument used, Lt bronze bronze dredge

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

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 66 " 3 x 1 5

Density at surface, 1.0 x x 5 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.0 x x 5 " 19.

Number of salinometer, 9 x 5 0

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,

Vernon E Ward

NOTES RELATING TO STATION NO. 7536 a

Sulphur springs common
Fair Hydroids
" worms
Many sand / dollars
Shells common

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1539 w

Date, July ~~18~~ 20 ? 1904

Time of day, 2.05 P.M. ; of tide, ½ ebb.

Locality, Vineyard Sound / Muse

Exact position, Surveying Cove bearing NW x S ½ S

West Chop bearing E x S

Depth, 4½ fathoms

Nature of bottom, Gravel / mud / mud

Dredging instrument used, Rubber dredge.

Direction of drift, SW x S ; distance, ⅛ mile

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 70 " 3 x 19.5

Density at surface, 1.0222 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0226 " 19.5

Number of salinometer, 9 x 50

Barometer reading, 29.85

State of sky, Clear

Direction of wind SW. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Norman E. Watt

11—1068

NOTES RELATING TO STATION NO. 9539a

Sulphur springs	common
~~Sulphuretted Hydrogen~~	
Asterias Vulgaris	few
Sand dollars	"
Worms	"
Shells	"

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 15 X 3 W

Date, July 20 1904

Time of day, 2.30 P.M.; of tide, 1/2 flood

Locality, Gay Head bears SW 1/2 S

Exact position, Aborka Lt bears E x N 1/2 Knoll

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, 1.0271 temp., Celsius. 21

" at depth of fathoms, "

" at bottom, 1.0271 " 21

Number of salinometer, 7450

Barometer reading, 29.68

State of sky, Pretty cloudy

Direction of wind West ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Hart

NOTES RELATING TO STATION NO. 95 A 3 a

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

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 95XXw

Date, July 20 1908

Time of day, 3:00 P.M. ; of tide, 1/2 flood

Locality, Vineyard Sound / Waters

Exact position, Franklin Cove bearing N.3/4 N. Nobska Lighthouse 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, 1/2 mile

Temperature of air, 8X Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 " 32195

Density at surface, 1.0220 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0225 " 20.5

Number of salinometer, 9X50

Barometer reading, 29.60

State of sky, Cloudy Showery

Direction of wind West ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. West

NOTES RELATING TO STATION NO. 75 XH a

Bag of dredge lost
Sulphur sponge found

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7545 W

Date, July 20th 1904

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

Locality, Vineyard Sound Mass

Exact position, Nobska & Lighthouse N.E. 1/2 E.

Surface Buoy bearing N.W. & W. 3/4 W.

Depth, 12 1/2 fathoms

Nature of bottom, Sand and gravel

Dredging instrument used, 24" scraper 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, 1.0273 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0275 " 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,

Vernon E. West

NOTES RELATING TO STATION NO. 75X5a

Hydroids few
bernulaceus "
Shells common
Bryozoa "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7546 W

Date, July 20 1904

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

Locality, Vineyard Sound Mass

Exact position, Nobska Lt-house N.E. 1/2 E
Tarpaulin Cove beacon 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, 1/2 mile

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 70 " 37175

Density at surface, 1.0278 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0273 " 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. Hart

NOTES RELATING TO STATION NO. 75 A 6a

Several hydroids
Few sea urchins
Shells common
Barnacles abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 15 Ka

Date, July 20 1904

Time of day, 4.10 PM ; of tide, Flood

Locality, Vineyard Sound Mass

Exact position N Gosh Lt-house N.E. 3/4 N.

Surfmen Cove bearing N.W. 3/4 W.

Depth, 13 fathoms

Nature of bottom, Sand and coarse gravel

Dredging instrument used, Small dredge 4 ft beam brass & English dredge

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

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 64 " 37175

Density at surface, 1.0230 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0275 " 19.5

Number of salinometer, 7450

Barometer reading, 29.68

State of sky, Cloudy cloudy

Direction of wind West ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Farrow E West

NOTES RELATING TO STATION NO. 75 KM a

Sponge & allthus	common
Hydroids	"
Bryozoa	"
Sea urchins	"
Asterias Vulgaris	"
Worms	very "
Several crabs	
Fan shells	

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 Wilpuckt S. W x S 3/4 S 2 miles
Nobska Lt bears S E x E 1/2 E. Dist 2 1/4 miles

Depth, 4 1/2 fathoms

Nature of bottom, Sandy

Dredging instrument used, Albatross 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 " 32 175

Density at surface, 1.0222 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0220 " 23

Number of salinometer, 7455

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,

Warren E Watt

NOTES RELATING TO STATION NO. 7610

Sulphur sponges	small amount
Iron	"
Bryozoa	"
Hydroids	"
Starfish and Sea urchins	scarce

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1611

Date, July 22 1908

Time of day, 1.45 P.M. ; of tide, ½ flood

Locality, Buzzards Bay Mass

Exact position, Nobska Pt. S.E. ½ E. Dist 3½ miles

Two small Weakfish Solds, " 1½ "

Depth, 12½ fathoms

Nature of bottom, Black mud

Dredging instrument used, Gilbraud brand's scraper dredge

Direction of drift, East ; distance, ½ miles

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 70 " 32 175

Density at surface, 1.0218 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0216 " 22

Number of salinometer, 1450

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,

Warren E. Kent

NOTES RELATING TO STATION NO. .....

Worms common

Crustaceans "

Shells very "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1612

Date, July 22nd 1902

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

Locality, Buzzards Bay Mass

Exact position, Bird Island Light E by E Dist 1 1/2 miles

Island Bluff Lighthouse N.W. by N. " 1 3/4 "

Depth, 12 1/2 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, 14 beam trawl & scraper dredge

Direction of drift, E by 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, 1450

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,

Warren E. Hart

NOTES RELATING TO STATION NO. 1617

Sulphur strong
Coral
Worms common
Crustaceans "
Shells "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1613

Date, July 22 1908

Time of day, 3.15 P.M. ; of tide, ½ flood

Locality, Paraguita Bay Texas

Exact position, [illegible]

Depth, 1 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, [illegible]

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

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 72 " 3 2175

Density at surface, 10.216 temp., Celsius 22.5

" at depth of fathoms, "

" at bottom, 10.216 " 22.5

Number of salinometer, 1150

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. Hart

NOTES RELATING TO STATION NO. 7613

Sponges	abundant
Worms	common
Crustaceans	"
Shells	abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7614

Date, July 22 1904

Time of day, 3.30 PM ; of tide, 1/2 flood

Locality, Buzzards Bay mass

Exact position, Sand Rip Cuttyhunk N 1 3/4 miles
Gay Head Lighthouse S 1/8 miles

Depth, 5 fathoms

Nature of bottom, Black muddy sand

Dredging instrument used, Blake trawl & scraper 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 " 32.175

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,

Warren E. Watt

NOTES RELATING TO STATION NO. 7614.

Raw sewage
Shells common

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. L.H. E x E 3/4 E Dist 5 3/4 mile
Shore Pile Fairhaven N 44 1/4 W " 3 1/2 .

Depth, 3 1/2 fathoms

Nature of bottom, Black muddy sand

Dredging instrument used, Peterson bottom scraper 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 " 37175

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,
Vernon E Hart

NOTES RELATING TO STATION NO. 7615

Sponges	abundant
Many	star fish
Crustaceans	common
Shells	few

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7616

Date, July 25 1904

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

Locality, Buzzards Bay mouth

Exact position, N. Westerhout Jd. W x S 1/2 S Dist 3 1/4 m
Br of Quamquisset Jd. S x E 1/2 E Dist 1/4 mile

Depth, 5 1/2 fathoms

Nature of bottom, hard sand

Dredging instrument used, Dahlgren 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 " 3 1/2 76

Density at surface, 1.0 1/2 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0 1/2 " 20.5

Number of salinometer, 7450

Barometer reading, 30.13

State of sky, Partly cloudy

Direction of wind NW ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Warren E. Watt

NOTES RELATING TO STATION NO. 7616

Starfish common
Worms "
Crustaceans many
Shells abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7617

Date, July 25 1904

Time of day, 5.30 P.M. ; of tide, 3/4 ebb

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt S.S.E. 1/2 E. - 4 mi
Mattapoisett Lt S.W. x W. 6 3/4 mile

Depth, 7 1/2 fathoms

Nature of bottom, Black mud

Dredging instrument used, 7 ft beam trawl

Direction of drift, E. S.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.S.W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Warren E. Hart

NOTES RELATING TO STATION NO. 7617

Crustaceans common

Shells "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1618.

Date, July 25th 1904

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

Locality, Buzzards Bay Mass

Exact position, Wareham Lt. S.E. ½ S. 6½ mi

Mattapoisett Lt. S.S.W. ½ W. Dist 4 3/4 mi

Depth, 7 fathoms

Nature of bottom, Soft black mud

Dredging instrument used, Albatross trawl & scraper dredge

Direction of drift, E by N ; distance, ½ 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, 1450

Barometer reading, 30.13

State of sky, Partly cloudy

Direction of wind S.S.W. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Brett

NOTES RELATING TO STATION NO. 9618

Sulphur springs common
Worms "
Shells abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7619

Date, July 25. 1902

Time of day, 3 to 5 PM ; of tide, Low water

Locality, Vineyard Sound Mass

Exact position, Wings Neck Lt S.E. ¼ E. Dist 6¼ miles

Mattapoisett Lt S.W. ¾ W. 2¾ "

Depth, 7 fathoms

Nature of bottom, Soft black mud

Dredging instrument used, Tilman bottom and scraper dredges

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

Temperature of air, 64 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 W.S.W. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. West

NOTES RELATING TO STATION NO. 1619

Sponges	common
Worms	few
Shells	"

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, Brd 1.0 21 NE x E 3/4 E - 3 1/4 mile

Tarpaulin Cove Lt NNW 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 mile

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

" of surface water, 71 "

" 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,

Vernon E. Wall

NOTES RELATING TO STATION NO. .....

Sulphur sponge	abundant
Shells	"
Starfish	common
Crustaceans	few

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1601

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 m

Mattapoisett Lt - N 1/4 W 1 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,

Vernon E Hoff

NOTES RELATING TO STATION NO. 96 WW

Raw shells.

RECORD OF DREDGING

TEMPERATURE AND DENSITY

7622 (8)

Station No. 7673

Date, July 27, 1908

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

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt-Ho E 3/4 N Dist 3/4 mile
Mattapoisett Lt-Ho 1/4 N Dist 1 3/4 miles

Depth, 7 fathoms

Nature of bottom, Black mud

Dredging instrument used, Albatross scrape dredge

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, 7450

Barometer reading, 30.09

State of sky, Partly cloudy

Direction of wind West ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West

11—1068

NOTES RELATING TO STATION NO. 7673

Crustaceans fine
Shells "
Oysters "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7624

Date, July 29 1904

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

Locality, Buzzards Bay Mass

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

Mattapoisett Lt S.W. 3/4 W.

Depth, 5 1/2 fathoms

Nature of bottom, muddy sand and shell fragments

Dredging instrument used, Blake trawl & scraper dredge

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

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

" of surface water, 74.5 "

" at depth of fathoms, "

" at bottom, 72.5 " 3217 5

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, Cloudy Cloudy

Direction of wind West ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Warren E. West

NOTES RELATING TO STATION NO. 76 v A

Sulphur spring
Worms common
Crustacean "
Fan shells "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1675

Date, July 27 1904

Time of day, 1 00 PM ; of tide, 3/4 ebb

Locality, Buzzards Bay Mass

Exact position, [illegible]

Depth, 13 1/2 fathoms

Nature of bottom, muddy sand

Dredging instrument used, Crystal dredge

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

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 75 "

Density at surface, 1.0214 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0214 " 22.5

Number of salinometer, 4450

Barometer reading, 30.06

State of sky, Partly cloudy

Direction of wind SW. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Warren E. West

NOTES RELATING TO STATION NO. 1675

Sulphur springs
Starfish common
Shells abundant

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 76 N

Date, July 29 1908

Time of day, 2.00 PM ; of tide, ¼ ebb

Locality, Buzzards Bay Mass

Exact position, Wings Neck Lt S.E. Dist ¼ miles

Mattapoisett Lt S.W. x W ¼ W " 6½ "

Depth, 13¾ fathoms

Nature of bottom, Muddy sand and shell fragments

Dredging instrument used, Oyster dredge

Direction of drift, SW. ; distance, ¼ 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 73.5

" at depth of fathoms, "

" at bottom, 1.0212 " 73.5

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,

Warren E. West

NOTES RELATING TO STATION NO. 1676

Coral — common
Worms — "
Crustacean — plentiful
Shells — few

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 7607

Date, July 29th 1908

Time of day, 2 30 PM ; of tide, Ebb

Locality, Bungyuda Bay Inner

Exact position, Winga Island Gr. N E x E Dist 3/4 miles

Bird Island Gr. N x W 3/4 W " 7 3/4 "

Depth, 5 1/4 fathoms

Nature of bottom, Sandy

Dredging instrument used, Ward's sand brush & sandy 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 3175

Density at surface, 1.0211 temp., 73

" at depth of fathoms, "

" at bottom, 1.0212 " 73

Number of salinometer, 7450

Barometer reading, 29.93

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. 7167

Small amount of sponge
Many crustaceans
Shell common