From July 29 to August 17, 1904.

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 7628 to 7675

3

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7628

Date, July 29 1904

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

Locality, Buzzards Bay, Mass.

Exact position, Wings Neck Lt. N. x E. 1/4 E. Dist 3 mi.
Bird Is Lt. N. 1/2 W. Dist 1 3/8 mi.

Depth, 4 fathoms

Nature of bottom, Muddy sand + shell fragments

Dredging instrument used, Oyster dredge

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

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 " 32175

Density at surface, 1.0211 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0211 " 23

Number of salinometer, 7450

Barometer reading, 2992

State of sky, Partly cloudy

Direction of wind West ; force, 6

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 7628

Sponge in small quantity
Red urchin (few)
Shells (abundant)

4

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7629

Date, July 29, 1904

Time of day, 3 20 P.M.; of tide, 1/2 ebb

Locality, Buzzards Bay, Mass

Exact position, Bird Is. Lt. E. x N. Dist 3/4 mi.

Black Buoy on Bow Bells S.S.W. 1/4 W. Dist 3/4 mi.

Depth, 4 fathoms

Nature of bottom, Sandy mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 " 32175

Density at surface, 1.0209 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0210 " 23

Number of salinometer, 7450

Barometer reading, 2992

State of sky, Partly cloudy

Direction of wind S.W.; force, 6

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 7629

Sponge (common)
Worms (abundant)
Crustaceans (many)
Few shells

643

1

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7630

Date, August 1, 1904

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

Locality, Buzzards Bay, Mass.

Exact position, Bird Is Lt. N.W. 1/4 W. Dist 3 mi.

Wings Neck Lt. N. 3/4 E. Dist 2 1/4 mi.

Depth, 4 fathoms

Nature of bottom, Sandy

Dredging instrument used, Oyster dredge

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

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

" of surface water, 74.5 "

" at depth of fathoms, "

" at bottom, 74.5 " 32175

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, 2997

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 7630

Few sponges
Coral (common)
Shells (abundant)

2

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7631

Date, August 1, 1904

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

Locality, Buzzards Bay Mass.

Exact position, Wings Neck Lt. N.E. 1/2 E. dist 1 3/4 mi.
Bird Is Lt. N.W. x W. 1/2 W. dist 1 3/4 mi.

Depth, 5 fathoms

Nature of bottom, Black mud & shell fragments

Dredging instrument used, Oyster dredge

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

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

" of surface water, 74.5 "

" at depth of fathoms, "

" at bottom, 74 " 32175

Density at surface, 1.0206 temp., Celsius 23.5

" at depth of fathoms, "

" at bottom, 1.0207 " 23.5

Number of salinometer, 7450

Barometer reading, 29.96

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.

11—1068

NOTES RELATING TO STATION NO. 7631

Few sponges
Coral (common)
Shells (abundant

3

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7632

Date, August 1, 1907

Time of day, 3.15 P.M.; of tide, 1/4 ebb

Locality, Buzzards Bay, Mass

Exact position, Wings Neck Lt. E 1/4 S. dist 2 mi.
Bird Is Lt. S.W. x W. 1/2 W. dist 3/4 mi.

Depth, 3 1/4 fathoms

Nature of bottom, Mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73.5 " 32175

Density at surface, 1.0212 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0209 " 23

Number of salinometer, 7450

Barometer reading, 29.96

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,

Simon E. West.

11—1068

NOTES RELATING TO STATION NO. 7632

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

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7633

Date, August 1, 1904

Time of day, 3:40 P.M. of tide, 1/4 ebb

Locality, Buzzards Bay, Mass

Exact position Wings Neck Lt. S.E.½E. dist 1 3/4 mi.
Bird Is. Lt. S.W.¼W. dist 1 3/4 mi.

Depth, 3 1/4 fathoms

Nature of bottom, Muddy sand

Dredging instrument used, Oyster dredge

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

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 " 32175

Density at surface, 1.0211 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0207 " 23

Number of salinometer, 7450

Barometer reading, 29.96

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.

11—1068

NOTES RELATING TO STATION NO. 7633

Few sponges
Worms (common)
Shells (many)

5

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7637

Date, August 1, 1907

Time of day, 4.00 P.M. of tide, 1/4 ebb

Locality, Buzzards Bay, Mass.

Exact position, Wings Neck Lt. S.S.E. dist 1 1/4 mi.
Bird Is. Lt. S.W. x W. 1/2 W. dist 2 1/2 mi.

Depth, 3 1/4 fathoms

Nature of bottom, Sand & shell fragments

Dredging instrument used, Oyster dredge

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

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

" of surface water, 75 "

" at depth of fathoms, "

" at bottom, 74 " 32175

Density at surface, 1.0206 temp., Celsius. 23.5

" at depth of fathoms, "

" at bottom, 1.0207 " 23.5

Number of salinometer, 7450

Barometer reading, 29.96

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. 7634

Few sponges
Few worms
Shells (common)

6

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7635

Date, August 1, 1904

Time of day, 4:15 P.M. of tide, 1/2 ebb

Locality, Buzzards Bay, Mass

Exact position, Wings Neck Lt. N E x E 3/4 E - 5/8 mi

Dry Ledge N. x W. 1/2 W. Dist 2 mi

Depth, 4 3/4 fathoms

Nature of bottom, Muddy sand + shell fragments

Dredging instrument used, Oyster dredge

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

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

" of surface water, 75 "

" at depth of fathoms, "

" at bottom, 74 " 32175

Density at surface, 1.0206 temp., Celsius. 23.5

" at depth of fathoms, "

" at bottom, 1.0201 " 23.5

Number of salinometer, 7450

Barometer reading, 2996

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 7635

Few shells

1

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7636

Date, August 3, 1904

Time of day, 1:45 P.M.; of tide, 3/4 flood

Locality, Buzzards Bay, Mass

Exact position, Robshaw Lt. E. x S. Dist 3 3/4 mi.
Little Weepecket Is. & Sippewissett Hotel ~~00~~ bearing
S.S.E 1/4 E. North Weepecket Is Dist 1/2 mi.

Depth, 7 fathoms

Nature of bottom, Rocky with coarse sand

Dredging instrument used, Oyster & scrape dredges

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

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 73.5 " 32175

Density at surface, 1.0215 temp., Celsius. 22

" at depth of fathoms, "

" at bottom, 1.0218 " 22

Number of salinometer, 7450

Barometer reading, 2998

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 7636

Few shells

Not much in dredge

2

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7637

Date, August 3, 1904

Time of day, 2:20 P.M.; of tide, 3/4 flood

Locality, Buzzards Bay, Mass

Exact position, Nobska Lt. E. S.E. Dist 5 mi.

Sippawissett Hotel. E 3/4 N. Dist 5 1/4 mi.

Depth, 8 fathoms

Nature of bottom, Black sandy mud

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

Direction of drift, East ; distance, 1/4 mi.

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 73 " 32175

Density at surface, 1.0213 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0219 " 21

Number of salinometer, 7450

Barometer reading, 2997

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,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 7637

Few worms
Crustaceans few
Many shells

3

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7638

Date, August 3, 1904

Time of day, 3.15 P.M.; of tide, High water

Locality, Buzzards Bay, Mass.

Exact position, Hotsha Lt. S.E. x E. 1/4 E. dist 6 1/2 mi.
Mattapoisett Lt. N. 3/4 E. dist 6 mi.

Depth, 8 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, 7 ft. frame trawl
Oyster dredge

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

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 74 " 32175

Density at surface, 1.0218 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0221 " 22

Number of salinometer, 7450

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 7638

Many worms
Crustacea (common)
Shells (abundant)

4

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7639

Date, August 3, 1904

Time of day, 3:40 P.M.; of tide, High water

Locality, Buzzards Bay, Mass

Exact position, Nobska Lt. S.E.xE. Dist 7½ mi.

Cormorant Rock spindle N.E.xN. Dist 2½ mi.

Depth, 5½ fathoms

Nature of bottom, Hard sand + rock

Dredging instrument used, Oyster dredge

Direction of drift, E.N.E. ; distance, ¼ mi.

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

" of surface water, 74.5 "

" at depth of fathoms, "

" at bottom, 75.5 " 32175

Density at surface, 1.0214 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0216 " 23

Number of salinometer, 7450

Barometer reading, 2996

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,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 7639

Sulphur sponge (abundant)
Crustacea (common)
Few shells

643

1

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7640

Date, AUG 5 1904

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

Locality, Buzzards Bay, Mass

Exact position, Large Weepecket Isld N E 3/4 E. Dist 1 1/2 miles, Clarks Pt Lt. N W x N. 8 3/4 miles.

Depth, 6 fms

Nature of bottom, Black sticky mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 67 " 32175

Density at surface, 1.0220 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0221 "

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind South ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 Fred H. Bright

NOTES RELATING TO STATION NO. 7640

Few worms

Crustaceans (common)

Shells (abundant)

2

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7641

Date, AUG 5 1904

Time of day, 2:40 PM; of tide, 1/2 Flood

Locality, Buzzards Bay, Mass.

Exact position, ~~North Hedgeckett Sld. E~~ 1/2 N. 2 1/2 miles, Clarks Pt Lt NWX N. Dist 7 miles

Depth, 7 1/2 fathoms

Nature of bottom, Black sticky mud

Dredging instrument used, 7 ft scrape dredge beam trawl

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

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

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 68 " 32175

Density at surface, 1.022 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.022 "

Number of salinometer, 7450

Barometer reading, 30.03

State of sky, Cloudy

Direction of wind South; force, 9

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 Fred H. Bright

NOTES RELATING TO STATION NO. 7641

Crustaceans (common)
Shells (abundant)

3

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7642

Date, AUG 5 1904

Time of day, 3:02 PM; of tide, 1/2 Flood.

Locality, Buzzards Bay, Mass.

Exact position, Sippawissett Hotel E 3/4 N. dist 7 1/4 miles, Clarks Pt Lt. N W x N. dist 5 3/4 miles

Depth, 8 fms

Nature of bottom, Black sticky mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 68 " 32175

Density at surface, 1.0222 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0221 "

Number of salinometer, 7450

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,

11—1068 F. H. Bright

NOTES RELATING TO STATION NO. 7642

Shells (common)

7

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7643

Date, AUG 5 1904

Time of day, 3:30 PM; of tide, 3/4 Flood

Locality, Buzzards Bay, Mass

Exact position, Clarks Pt Lt NNXN, Dist 4 1/4 mile, Sippamissett Hotel E 1/4 S, Dist 8 miles

Depth, 7 fathoms

Nature of bottom, Muddy Black

Dredging instrument used, 7 ft beam trawl Oyster dredge

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

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 68 " 32175

Density at surface, 1.0222 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0222 "

Number of salinometer, 7450

Barometer reading, 3002

State of sky, Cloudy

Direction of wind South; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 F. H. Bright

NOTES RELATING TO STATION NO. 2643

Crustaceans (common)
Shells (many)

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7644

Date, Aug 5th 1904

Time of day, 4:25 PM; of tide, High Water

Locality, Buzzards Bay, Mass

Exact position, Dumpling Rock Lt W¾S.
dist 3¼ miles. Clark Pt Lt. NW x W.
" 3 miles

Depth, 5½ fms

Nature of bottom, Black sticky mud

Dredging instrument used, 4 oyster dredge
7 ft beam trawl
scrape dredge

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

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

" of surface water, 71.5 "

" at depth of fathoms, "

" at bottom, 71 " 32175

Density at surface, 1.021 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.021 "

Number of salinometer, 7450

Barometer reading, 30.02

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,

11—1068

F. H. Bright

NOTES RELATING TO STATION NO. 7644

Few worms
Shells (abundant)

1

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7645

Date, August 8, 1904

Time of day, 2:45 P.M.; of tide, 1/4 flood

Locality, Buzzards Bay, Mass

Exact position, Look out on West Is. E. 3/4 S-2 1/2 mi

Butler's Flat Lt. N.W. x N. Dist 1 mi.

Depth, 4 fathoms

Nature of bottom, Muddy sand

Dredging instrument used, Oyster dredge

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

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

" of surface water, 74 "

" at depth of fathoms, "

" at bottom, 72.5 "

Density at surface, 1.0205 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, 1.0211 " 22.5

Number of salinometer, 7450

Barometer reading, 2996

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,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 7645

Sponges (common)
Crustaceans (common)
Worms (common)
Shells (common)

643

2

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7646

Date, August 8 1907

Time of day, 8.00 P.M. of tide, 1/4 flood

Locality, Buzzards Bay Mass

Exact position, Dumpling Lt. S.W. 1/2 S. - 3 mi.

Sconticutt Neck Beacon S.E. x E. 1/2 E. - 1 1/4 mi.

Depth, 5 fathoms

Nature of bottom, Black sticky mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 73 "

" at depth of fathoms, "

" at bottom, 71.5 " 50303

Density at surface, 1.0209 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0211 " 22

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. West.

11—1068

NOTES RELATING TO STATION NO. 2646

Sponges (few)
Crustaceans (few)
Shells (few)

3

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7677

Date, August 8, 1907

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

Locality, Buzzards Bay, Mass

Exact position Dumpling Lt. S.W. 3/4 W. - 3 mi.

Clarks Pt. Lt - N.W. x N. dist 1 1/2 mi.

Depth, 6 fathoms

Nature of bottom, Soft sandy mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 73.5 "

" at depth of fathoms, "

" at bottom, 71 " 50303

Density at surface, 1.0207 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, 1.0210 " 22

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. West.

11—1068

NOTES RELATING TO STATION NO. 2647

Worms (common)
Shells (few)

4

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7648

Date, August 8, 1904

Time of day, 3:45 P.M.; of tide, 1/2 flood

Locality, Buzzards Bay, Mass

Exact position, Clarks Pt. N. N.E. 1/4 E. - 1 mi.

Bell + Black Can Buoy S.E. 3/4 E. - 2 1/4 mi.

Depth, 4 3/4 fathoms

Nature of bottom, Sandy

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, 1/2 mi.

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

" of surface water, 73.5 "

" at depth of fathoms, "

" at bottom, 71 " 50303

Density at surface, 1.0209 temp., Celsius 22.5

" at depth of fathoms, "

" at bottom, 1.0211 " 22

Number of salinometer, 7450

Barometer reading, 29.97

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. West

11—1068

NOTES RELATING TO STATION NO. 7641

Sponges (common)
Crustaceans (common)
Shells (common)

5

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7649

Date, August 8, 1904

Time of day, 4:10 P.M.; of tide, 1/2 flood

Locality, Buzzards Bay, Mass

Exact position, Dumpling Rock Lt. S.W. 3/4 W. - 7/8 mi.
Barebones Rocks Spindle N.W. 3/4 W. - 1 mi.

Depth, 5 1/2 fathoms

Nature of bottom, Soft mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 69 " 50303

Density at surface, 1.0211 temp., Celsius. 21.5

" at depth of fathoms, "

" at bottom, 1.0215 " 21

Number of salinometer, 7450

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. 7649

Few shells

6

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7650

Date, August 8 1904

Time of day, 2.20 P.M.; of tide, 1/2 flood

Locality, Buzzards Bay, Mass

Exact position, Dumpling Rock Lt. N. 3/4 S - 1 3/4 mi.
Clarks Pt. Lt. - N. 1/4 E. - dist 2 3/4 mi.

Depth, 7 fathoms

Nature of bottom, Sandy mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 70 " 50303

Density at surface, 1.0212 temp., Celsius 21.5

" at depth of fathoms, "

" at bottom, 1.0219 " 21

Number of salinometer, 7450

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 C. West

11—1068

NOTES RELATING TO STATION NO. 7650

Several worms
Few shells

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7651

Date, August 11, 1904

Time of day, 2:40 P.M.; of tide, Low water

Locality, Buzzards Bay, Mass.

Exact position, North Rock & Tangent of Pasque Lodge Dist 1 3/8 mi. Lone Rock Bell Buoy W. x N. 1/2 N. 1 1/8 mi

Depth, 7 1/2 fathoms.

Nature of bottom, Soft black mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 71.5 " 50303

Density at surface, 1.0218 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0218 " 20.5

Number of salinometer, 7450

Barometer reading, 2993

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 2651

Worms (common)
Crustaceans (common)
Shells (abundant)

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7652

Date, August 11, 1904

Time of day, 3.00 P.M.; of tide, Low water

Locality, Buzzards Bay, Mass.

Exact position, Lone Rock buoy W. ½ S. dist 2¾ mi.
S. End of Big Weepecket Is - N.E. & E. ½ E. - 3⅛"

Depth, 7 fathoms.

Nature of bottom, Soft sandy mud

Dredging instrument used, Oyster dredge

Direction of drift, N.W. ; distance, ⅛ mi.

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

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 72 " 50303

Density at surface, 1.0217 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0217 " 20.5

Number of salinometer, 7450

Barometer reading, 2994

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 7652

Worms (common)
Shells (abundant)

3

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7653

Date, August 11, 1904

Time of day, 3:25 P.M.; of tide, Low water

Locality, Buzzards Bay, Mass

Exact position, North Weepecket Is. E. x N. Dist 4 1/8 mi

Lone Rock Buoy - S.W. 1/2 W. Dist 2 1/2 mi

Depth, 8 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, 7 ft beam trawl + scrape dredge

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

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 69 " 50303

Density at surface, 1.0217 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0218 " 20

Number of salinometer, 7450

Barometer reading, 2993

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,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 7613

Sponges (common)
Many worms
Shells (few)

2/

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7654

Date, August 11, 1907

Time of day, 3:50 P.M.; of tide, 1/4 flood

Locality, Buzzards Bay, Mass

Exact position. West end of Penikese Is S.W. x W. 5 mi
Dumpling Rocks Lt - N.W. 3/4 W - 1 list. 3 3/4 mi.

Depth, 9 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, 7 ft. beam trawl & scrape drag

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

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 68.5 " 50303

Density at surface, 1.0213 temp., Celsius. 21.5

" at depth of fathoms, "

" at bottom, 1.0220 " 20

Number of salinometer, 7450

Barometer reading, 29.92

State of sky, Partly clear

Direction of wind S.W. ; force, 7

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. 2654

Worms (common)
Crustaceans (common)
Many shells

5

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7655

Date, August 11, 1904

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

Locality, Buzzards Bay, Mass.

Exact position, Dumpling Rocks Lt. N.W. x W. 3/4 W. - 2 1/2 mi.
West end of Penekness Is. S.W. 1/2 S - 5 1/4 mi.

Depth, 7 1/2 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 70.5 "

" at depth of fathoms, "

" at bottom, 69 " 50303

Density at surface, 1.0216 temp., Celsius. 21

" at depth of fathoms, "

" at bottom, 1.0217 " 20

Number of salinometer, 7450

Barometer reading, 2992

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,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 2655

Worms (common)
Few crustaceans
Many shells

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7656

Date, August 12, 1904

Time of day, 10:50 A.M. ; of tide, 1/4 ebb

Locality, Buzzards Bay, Mass

Exact position, North end of Penchuse 25 W x S. – 3 1/2 mi

Dumpling Rocks Lt. N.N.W. 3/4 W. Dist 4 3/4 mi

Depth, 8 fathoms

Nature of bottom, Sandy mud

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

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

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

" of surface water, 68.5 "

" at depth of fathoms, "

" at bottom, 68 " 50303

Density at surface, 1.0218 temp., Celsius 20

" at depth of fathoms, "

" at bottom, 1.0222 " 19.5

Number of salinometer, 7450

Barometer reading, 3015

State of sky, Partly clear

Direction of wind North ; 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 2

TEMPERATURE AND DENSITY

Station No. 7657

Date, August 12, 1904

Time of day, 11.20 a.m.; of tide, 1/4 ebb

Locality, Buzzards Bay, Mass

Exact position, North end of Penikese Is - S.W. 1/2 W. - 3/4 mi.
Dumpling Rocks Lt - N.N.W. 1/2 W. dist 3 1/4 mi.

Depth, 9 fathoms

Nature of bottom, Sandy mud

Dredging instrument used, 4 ft. beam trawl + scrape dredge

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

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

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 67 " 50303

Density at surface, 1.0215 temp., Celsius 20.5

" at depth of fathoms, "

" at bottom, 1.0222 " 19.5

Number of salinometer, 7480

Barometer reading, 3016

State of sky, Partly clear

Direction of wind N.E. ; force, 7

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

3

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7658

Date, August 12, 1904

Time of day, 11:40 A.M.; of tide, 1/2 ebb

Locality, Buzzards Bay, Mass

Exact position, Hen + chickens Lt. ship W.S.W. - 6 1/2 mi.
Dumpling Rocks Lt. N.N.W. Dist 1 3/4 mi.

Depth, 9 fathoms

Nature of bottom, Black mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 66.5 " 50303

Density at surface, 1.0215 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0221 " 19.5

Number of salinometer, 7450

Barometer reading, 3015

State of sky, Partly clear

Direction of wind N.E.; 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. .....

4

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7659

Date, August 12, 1904

Time of day, 12.00 N. ; of tide, 1/2 ebb

Locality, Buzzards Bay, Mass

Exact position, Wiskaum Pt. W.S.W. 2 1/4 mi

Dumpling Rocks Lt. - N.N.E. Dist 1/2 mi

Depth, 5 1/4 fathoms

Nature of bottom, Rocky with gravel + shell frag

Dredging instrument used, Oyster dredge

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

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

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 67 " 50303

Density at surface, 1.0217 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0217 " 20

Number of salinometer, 7450

Barometer reading, 3015

State of sky, Cloudy

Direction of wind N.E. ; 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. .....

643

5

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7660

Date, August 12, 1904

Time of day, 9:00 P.M. ; of tide, 3/4 ebb

Locality, Buzzards Bay, Mass

Exact position, Hen + Chickens Lt. ship - S.W. x W. 1/2 W. - 4 3/4 mi

Dumpling Rocks Lt. N.N.E. 1/4 E. Dist 2 1/4 mi.

Depth, 7 1/2 fathoms.

Nature of bottom, Muddy

Dredging instrument used, 7 ft beam trawl + scrape dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 68 " 50303

Density at surface, 1.0216 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0219 " 20

Number of salinometer, 7450

Barometer reading, 3018

State of sky, Cloudy

Direction of wind N.E. ; 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. .....

6

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7661

Date, August 12, 1904

Time of day, 1:25 P.M.; of tide, 3/4 ebb

Locality, Buzzards Bay, Mass

Exact position, Hen + Chickens Lt ship - W.x.S. - 5 1/4 mi

Dumpling Rocks Lt - N. 1/4 E. Dist 3 1/4 mi.

Depth, 13 1/2 fathoms

Nature of bottom, Muddy

Dredging instrument used, 7 ft beam trawl + scrape dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 66 " 50303

Density at surface, 1.0216 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0221 " 19

Number of salinometer, 7450

Barometer reading, 3019

State of sky, Cloudy

Direction of wind N.E. ; 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. .....

643

7

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7662

Date, August 12, 1904

Time of day, 1:50 P.M.; of tide, 3/4 ebb

Locality, Buzzards Bay, Mass

Exact position Hen & Chickens Lt Ship - W 1/4 N. - 6 mi

Dumpling Rock Lt - N. 1/2 W. dist - 4 1/2 mi.

Depth, 10 fathoms

Nature of bottom, Soft mud

Dredging instrument used, 7 ft beam trawl & scrape dredge

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

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 67 " 50303

Density at surface, 1.0221 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0221 " 19

Number of salinometer, 7451

Barometer reading, 3019

State of sky, Cloudy

Direction of wind N.E. ; 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. .....

8

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7663

Date, August 12, 1907

Time of day, 2:20 P.M. ; of tide, Low water

Locality, Buzzards Bay Mass

Exact position, Dumpling Rocks lt - N x W 1/4 W - 6 mi.
North Rock - E. x N 3/4 N. 2 list 1/2 mi.

Depth, 7 fathoms

Nature of bottom, Mud with shells

Dredging instrument used, 7 ft. beam trawl + scrape dredge

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

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 65.5 " 50303

Density at surface, 1.0218 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0219 " 19

Number of salinometer, 7450

Barometer reading, 30.19

State of sky, Cloudy

Direction of wind N.E. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West.

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7664

Date, August 15 1904

Time of day, 11:45 A.M.; of tide, 1/2 flood

Locality, Buzzards Bay Mass.

Exact position, Cittyhunk Lt. East - Dist 3/4 mi.

Hen + Chickens Lt Ship - N.W. 3/4 N. " 3/4 "

Depth, 12 fathoms

Nature of bottom, Small stones

Dredging instrument used, Oyster dredge

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

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 65 " 50303

Density at surface, 1.0226 temp., Celsius. 18

" at depth of fathoms, "

" at bottom, 1.0232 " 18

Number of salinometer, 7450

Barometer reading, 2977

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. .....

2

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7665

Date, August 15, 1904

Time of day, 12:05 P.M.; of tide, 1/2 flood

Locality, Buzzards Bay, Mass

Exact position, Cuttyhunk Lt. S.E.&E. Dist. 1 3/4 mi.

Hen & Chickens Lt. Ship - N.W. 3/4 N. " 2 "

Depth, 11 1/2 fathoms

Nature of bottom, Rocky & sandy

Dredging instrument used, Oyster dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 65 " 50303

Density at surface, 1.0220 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0228 " 18

Number of salinometer, 7450

Barometer reading, 2976

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. .....

3

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7666

Date, August 15, 1904

Time of day, 12.50 P.M.; of tide, High water

Locality, Buzzards Bay, Mass.

Exact position North end of Penikese Is. East - Dist 4 mi

Hen & Chickens Lt Ship - N.W. 3/4 N. " 3/4 "

Depth, 11 fathoms

Nature of bottom, Rocky with small stones

Dredging instrument used, Oyster dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 65.5 " 50313

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, 2977

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 4

TEMPERATURE AND DENSITY

Station No. 7667

Date, August 15, 1904

Time of day, 1:15 P.M. ; of tide, 1/4 ebb

Locality, Buzzards Bay, Mass

Exact position, Dumpling Rocks Lt - N.E. & E. - 6 3/4 mi.

Hen + Chickens Lt Ship - S.E. 3/4 S. - 3/4 mi.

Depth, 9 fathoms

Nature of bottom, Small stones

Dredging instrument used, Oyster dredge

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

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

" of surface water, 695 "

" at depth of fathoms, "

" at bottom, 67 " 50303

Density at surface, 1.0218 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0225 " 19

Number of salinometer, 7450

Barometer reading, 2977

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. .....

5

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7668

Date, August 15, 1904

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

Locality, Buzzards Bay, Mass.

Exact position, Mishaum Pt. N.E. x E. 1/2 E. - 3 1/2 mi.

Cuttyhunk Lt. S. x E. dist 5 mi.

Depth, 8 fathoms

Nature of bottom, Muddy sand

Dredging instrument used, Oyster dredge

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

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 68 " 50303

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,

Vernon E. West.

11—1068

NOTES RELATING TO STATION NO. .....

6

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7668

Date, August 15, 1907

Time of day, 2:00 P.M.; of tide, 1/4 ebb

Locality, Buzzards Bay, Mass.

Exact position, Dumpling Rocks Lt - N.E. dist 5 1/2 mi
Cuttyhunk Lt - S. x E. 3/4 E. dist 3 1/4 mi.

Depth, 13 fathoms

Nature of bottom, Black sandy mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 67.5 " 50303

Density at surface, 1.0219 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0224 " 19

Number of salinometer, 7450

Barometer reading, 29.78

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,

Vernon E. West.

11—1068

NOTES RELATING TO STATION NO. .....

7

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7670

Date, August 15 1904

Time of day, 2:20 P.M.; of tide, 1/4 ebb

Locality, Buzzards Bay, Mass

Exact position, Dumpling Rocks Lt. - N.E. x N.½N. - 6 mi.
North end of Penikese Is. E.½N. - 3¼ mi.

Depth, 19 fathoms

Nature of bottom, Small stones

Dredging instrument used, Oyster dredge

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

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 67 " 50303

Density at surface, 1.0219 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0222 " 19.5

Number of salinometer, 7450

Barometer reading, 2978

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

8

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7671

Date, August 15, 1904

Time of day, 2:50 P.M. ; of tide, 1/2 ebb

Locality, Buzzards Bay, Mass.

Exact position, Cuttyhunk Life Saving Station E x S 1/2 S. dist 1 1/4 mi. Cuttyhunk Lt. S W x S 1/2 S dist 1 mi.

Depth, 9 fathoms

Nature of bottom, stones + muddy sand

Dredging instrument used, 7 ft. beam frame, Oyster dredge

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

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 68 " 50303

Density at surface, 1.0222 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0226 " 19

Number of salinometer, 7450

Barometer reading, 2979

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. West.

11—1068

NOTES RELATING TO STATION NO. .....

1

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7672

Date, August 17, 1904

Time of day, 1.45 P.M. ; of tide, 3/4 flood

Locality, Buzzards Bay, Mass

Exact position Cuttyhunk Lt. S.W. x S. - 2 1/2 mi

Hen & Chickens Lt. Ship - W. 3/4 N. - 4 mi.

Depth, 10 fathoms

Nature of bottom, Small stones, sand & shells

Dredging instrument used, Oyster dredge

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

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

" of surface water, 67 "

" at depth of fathoms, "

" at bottom, 67 " 50303

Density at surface, 1.0223 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0224 " 19

Number of salinometer, 7450

Barometer reading, 2981

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. .....

2

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7673

Date, August 17, 1904

Time of day, 2:00 P.M.; of tide, 3/4 flood

Locality, Buzzards Bay, Mass

Exact position, Altyhunk Lt - S. 3/4 W. - 3 1/2 mi.

Hen + Chickens Lt Ship - W. x S - 3 1/4 "

Depth, 17 fathoms

Nature of bottom, Sandy mud + stones

Dredging instrument used, 7 ft. beam trawl + scrape dredge

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

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 67 " 50303

Density at surface, 1.0219 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0222 " 19

Number of salinometer, 7450

Barometer reading, 2981

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. .....

643 3

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7674

Date, August 17, 1904

Time of day, 2 20 P.M. of tide, 3/4 flood

Locality, Buzzards Bay, Mass

Exact position, Dumpling Rocks Lt. - N 1/2 E - 4 mi

Cuttyhunk Life Saving Station - S.E. x S 1/2 S - 4 3/4"

Depth, 7 fathoms

Nature of bottom, Coarse sand + mud

Dredging instrument used, Oyster dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 68.5 " 50303

Density at surface, 1.0219 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0219 " 20

Number of salinometer, 7450

Barometer reading, 2980

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. .....

4

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7675

Date, August 17, 1904

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

Locality, Buzzards Bay, Mass

Exact position, Mishaum Pt. - E x N. - 2 mi.

Hen + Chickens Lt. Ship - S.W. x S 1/2 S. - 3 1/4 mi

Depth, 6 3/4 fathoms

Nature of bottom, Muddy sand

Dredging instrument used, 7 ft bean trawl + oyster dredge

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

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 " 50303

Density at surface, 1.0221 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0221 " 20

Number of salinometer, 7450

Barometer reading, 2980

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,

11—1068

Vernon E. West.

NOTES RELATING TO STATION NO. .....