Fish Hawk

Copy

From March 12 to Aug 11 1913

Serial #7496 to #7545.

FISH HAWK.
7496
To
7545

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1496

Date, March 12 1903

Time of day, 9.55 AM ; of tide, ½ ebb

Locality, Hawk Channel Fla

Exact position, ¾ of mile East of the Northernmost of the Raggeds Keys

Depth, 13 ft

Nature of bottom, Hard sand

Dredging instrument used, Small scrape dredge

Direction of drift, East ; distance, ½ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1029.9 temp., Celsius. 73

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 1450

Barometer reading, 30.07

State of sky, Partly cloudy

Direction of wind E & SE ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Lamont E West

NOTES RELATING TO STATION NO. 7,796

1 large gold

1 small "

1 shell

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7X9 of

Date, March 12 1903

Time of day, 10 A.M. ; of tide, 1/2 ebb

Locality, Soldier Key Lake Fla

Exact position, 2 1/4 miles S.W. 3/4 W. of Soldier Key

Depth, 9 ft

Nature of bottom, Soft sand and grass

Dredging instrument used, Small scrape dredge

Direction of drift, N.N.E. ; distance, 1/16 miles

Temperature of air, 7X Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0250 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7X50

Barometer reading, 30.02

State of sky, Partly clear

Direction of wind E.N.E. ; force, X

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 1497

3 small shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7498

Date, March 12 1903

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

Locality, Soldier Key Lake Tha

Exact position, 3/8 miles N.N.W. of Soldier Key

Depth, 9 ft

Nature of bottom, Soft sand

Dredging instrument used, Small scrape dredge

Direction of drift, E.S.E. ; distance, 1/16 miles

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0240 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.02

State of sky, Cloudy

Direction of wind E.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. 7498

1 fish
1 small shell

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1499

Date, March 12 1903

Time of day, 1.40 P.M. ; of tide, Low water

Locality, Biscayne Bay Fla

Exact position, 1/8 mile E.S.E. 1/2 E of Shoal Point

Depth, 13 feet

Nature of bottom, Hard sand

Dredging instrument used, Small water dredge

Direction of drift, West ; distance, 1/16

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0186 temp., Celsius 73.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 1049

Barometer reading, 30.00

State of sky, Partly cloudy

Direction of wind E.S.E. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. Wells

11—1068

NOTES RELATING TO STATION NO. .....

1 small crab

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1500

Date, March 12 1903.

Time of day, 2.00 PM ; of tide, Low water

Locality, Biscayne Bay Fla

Exact position, 2 miles S.S.E. 3/4 E of Shoal Pt

Depth, 10 feet

Nature of bottom,

Dredging instrument used, Small scrape dredge

Direction of drift, West ; distance, 1/16

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0195 temp., Celsius 73.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 1019

Barometer reading, 29.95

State of sky, Partly clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West.

NOTES RELATING TO STATION NO. 7500

1 small finger sponge

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7501

Date, March 12 1903

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

Locality, Biscayne Bay Fla

Exact position, 5/8 miles S of S. Point of Black Ledge

Depth, 8 ft

Nature of bottom, Soft sand

Dredging instrument used, Small scrape dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0222 temp., Celsius. 73

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.95

State of sky, Partly clear

Direction of wind E.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. 7501

Nothing in dredge

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7502

Date,

Time of day, 1.00 P.M. ; of tide,

Locality, Hawk Channel Fla

Exact position, Hen and Chickens Lt bears W.S.W. Distance 3 miles

Depth, 14 ft

Nature of bottom, Hard

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0238 temp., Celsius. 22

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.16

State of sky, Partly cloudy

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

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7503

Date,

Time of day, 1.30 PM ; of tide,

Locality, Hawk Channel / Fla

Exact position Near Chickens Lt barns N½ E

Distance 1½ miles

Depth, 16 ft

Nature of bottom, Hard

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 10238 temp., Celsius. 22

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.16

State of sky, Partly cloudy

Direction of wind N.N.E. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E Wast

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7504

Date,

Time of day, 8 AM ; of tide,

Locality, Hawk Channel Fla

Exact position, Hen and Chickens Lt beams South Distance 1¼ miles

Depth, 15 feet

Nature of bottom, Hard rocky

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0237 temp., Celsius 24.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.02

State of sky, Partly cloudy

Direction of wind E N E. ; force, 4

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. 7505

Date,

Time of day, 830 am ; of tide,

Locality, Hawk Channel Fla.

Exact position, Hen and Chicken Lt bearing SSW

Distance 2½ miles

Depth, 14 feet

Nature of bottom, Hard sand

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 10237 temp., Celsius. 24.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.02

State of sky, Partly cloudy

Direction of wind E N E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon Elliott

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7506

Date,

Time of day, 8.00 am ; of tide,

Locality, Hawk Channel Fla

Exact position, East end of Tranvrier Key
bearing SW x W Distant 1¼ mile

Depth, 10 feet

Nature of bottom, Hard

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 10246 temp., Celsius. 21

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Partly cloudy

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Harmon E West

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7507

Date,

Time of day, 830 am ; of tide,

Locality, Hawk Channel Fla

Exact position, Dove Key beam N.N.W.
Distant 1¼ miles

Depth, 11 feet

Nature of bottom, Hard

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 10276 temp., Celsius. 21

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 2997

State of sky, Poorly cloudy

Direction of wind E.N.E. ; force, X

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. 7506

Date,

Time of day, 100 PM ; of tide,

Locality, Hawk Channel Fla

Exact position, Angel fish Key Sponge Ground Old Rhodes Bank Beacon N E ½ E Dist 3¾ miles

Depth, 11 feet

Nature of bottom, Hard sand

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 10.238 temp., Celsius. 22

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 3002

State of sky, Cloudy

Direction of wind East ; 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. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7509

Date,

Time of day, 130 P.M. ; of tide,

Locality, Hawk Channel Fla

Exact position, Angel fish Key Sponge grounds Old Rhodes Bank Beacon N E & E Dist 3/4 miles

Depth, 12 feet

Nature of bottom, Hard

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0238 temp., Celsius. 22

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.02

State of sky, Cloudy

Direction of wind East ; 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. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7510

Date,

Time of day, 8 AM ; of tide,

Locality, Hawk Channel Fla

Exact position, Old Rhodes Key Sponge Ground
Old Rhodes Bank Beacon Bears S E ½ E 1½ [illegible]

Depth, 10 feet

Nature of bottom, Hard

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0240 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.98

State of sky, Partly cloudy

Direction of wind S.E. ; 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. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7511

Date, March 25 1903

Time of day, 9.10 AM ; of tide,

Locality, Gulf Stream off Cape Florida FLW

Exact position, 1½ miles SSE. of Fowey Rocks Light

Depth, 115 fathoms

Nature of bottom, rocky

Dredging instrument used, Lyster dredge

Direction of drift, North ; distance, ½ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 1.0239 temp., Celsius. 24.5

" at depth of fathoms, "

" at bottom, 70 "

Number of salinometer, 7450

Barometer reading, 29.86

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. Hall

11—1068

NOTES RELATING TO STATION NO. 7611

estrangia
bryozoa
Hydroids
Many species of non-commercial sponges
several species of crabs
worms
several fish
naked mollusks
serpula
ascidian
cowrie
amphipods
gastropods
sea urchins

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7512

Date, March 25 1903

Time of day, 10.15 am ; of tide,

Locality, Gulf Stream off Cape Florida Fla

Exact position, 3 1/2 miles SE x E Fowey Rocks Light

Depth, 170 Fathoms

Nature of bottom, soft

Dredging instrument used, 7 ft beam trawl

Direction of drift, NNE ; distance, 1 1/4 miles

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 51 "

Density at surface, 1.0236 temp., Celsius. 25.5

" at depth of fathoms, "

" at bottom, 1.0247 "

Number of salinometer, 7450

Barometer reading, 29.86

State of sky, 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. .....

Macrura

Several species of crabs – 1 large crab

2 Octopus

1 small raja

3 flounders

naked mollusks

Shell fish

Brittle stars

Several unknown species

Empty worm tubes

Several bivalves

Two barnacles on a larger crab

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7813

Date, March 25 1903

Time of day, 1150 AM ; of tide,

Locality, Gulf stream off Cape Florida Cla

Exact position, 6½ miles ESE½E of Fowey Rocks Light

Depth, 200 fathoms

Nature of bottom, Grey mud

Dredging instrument used, 7 ft beam trawl

Direction of drift, NNE ; distance, 1½ miles

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 56 "

Density at surface, 1.0236 temp., Celsius. 26

" at depth of fathoms, "

" at bottom, 1.0248 "

Number of salinometer, 7.50

Barometer reading, 29.8

State of sky, Cloudy

Direction of wind SW ; force, 2

Rain, Moderate

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 513

macura

1 other species of fish

2 species of shrimp

1 brittle star

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7514

Date, March 25, 1903

Time of day, 12.45 PM ; of tide,

Locality, Gulf Stream off Cape Florida Fla.

Exact position, 6 miles East of Fowey Rocks Light

Depth, 200 fathoms

Nature of bottom, Grey mud

Dredging instrument used, 7 ft beam trawl

Direction of drift, N x E ; distance, 1½ miles

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 48 "

Density at surface, 1.0236 temp., Celsius. 225

" at depth of fathoms, "

" at bottom, 10243 "

Number of salinometer, 7450

Barometer reading, 29.87

State of sky, Cloudy

Direction of wind S.W. ; 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 [illegible]

2 large crabs

Macrura

Several fish and crabs

" species of shrimp

" " " crustacea

Naked mollusks

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7515

Date, March 30 1903

Time of day, 9.15 am ; of tide,

Locality, Gulf Stream off Cape Florida Fla

Exact position, 3½ miles East of Fowey Rocks Light

Depth, 160 fathoms

Nature of bottom, Fine gray sand

Dredging instrument used, 7 ft beam trawl

Direction of drift, N x W ; distance, 1 mile

Temperature of air, 71 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, 49 "

Density at surface, 1.0236 temp., Celsius. 24.5

" at depth of fathoms, "

" at bottom, 1.0248 " 20

Number of salinometer, 7450

Barometer reading, 2981

State of sky, Clear

Direction of wind S.W. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Fred H Bright
Chief Seaman

NOTES RELATING TO STATION NO. .....

5 Small Fish
2 " sharks
1 large cancer crab
1 small crab
3 small shrimp

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7516

Date, March 30 1903

Time of day, 10.45 am ; of tide,

Locality, Gulf stream off Cape Florida

Exact position, 1 mile East ¼ N of Fowey Rocks Light

Depth, 50 fathoms

Nature of bottom, Fine gray sand and coral

Dredging instrument used, Oyster dredge

Direction of drift, N. ; distance, 3/8 mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.024 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, Instrument broken

Number of salinometer, 7450

Barometer reading, 29.82

State of sky, Clear

Direction of wind West ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Fred H. Bright
Chief Seaman

NOTES RELATING TO STATION NO. 7516

v v small crabs
Quantity of coral
1 small fish
v worms (heavy)
1 small eel
Several small star fish
Worm tubes
1 shrimp

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7517

Date, March 30 1903

Time of day, 11.30 am ; of tide,

Locality, Gulf Stream off Cape Florida

Exact position, 2¼ miles N.N.E. of Fowey Rocks Light

Depth, 36 fathoms

Nature of bottom, Fine gray sand and broken shell

Dredging instrument used, Oyster dredge

Direction of drift, North ; distance, 5/8 miles

Temperature of air, 7½ Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, 7½ "

Density at surface, 1.0 vol temp., Celsius. 25.5

" at depth of fathoms, "

" at bottom, Instrument broken

Number of salinometer, 7450

Barometer reading, 29.82

State of sky, Clear

Direction of wind West ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Fred C. Bright
Chief Gunner

NOTES RELATING TO STATION NO. 7 5 107

2 species of crabs
1 small eels
1 " fish
1 shrimp
5 Bullets slow

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7516

Date, March 20 1903

Time of day, 12.25 PM ; of tide,

Locality, Gulf stream off Cape Florida

Exact position, 4 miles NE x E of Fowey Rocks Light

Depth, 156 fathoms

Nature of bottom, Gray sand and shells

Dredging instrument used, 7 ft beam trawl

Direction of drift, North ; distance, 1 mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 48 "

Density at surface, 1024 temp., Celsius. 255

" at depth of fathoms, "

" at bottom, Instrument broken

Number of salinometer, 7450

Barometer reading, 29.81

State of sky, Clear

Direction of wind West ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Fred F. Bright
Chief Teoman

NOTES RELATING TO STATION NO. 7558

1 Hake
1 Small octopus
8 Macrura
7 small fish (unknown)
8 Flounders

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7514

Date, March 30 1903

Time of day, 1.35 PM ; of tide,

Locality, Gulf stream off Cape Florida

Exact position, 1¼ miles E & E ¼ E of Fowey Rocks Light

Depth, 186 fathoms

Nature of bottom, Fine gray sand

Dredging instrument used, 7 ft beam trawl with small dredge

Direction of drift, North ; distance, 1½ miles

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 48 "

Density at surface, 1.024 temp., Celsius. 25

" at depth of fathoms, "

" at bottom, 1.0244 " 21

Number of salinometer, 7450

Barometer reading, 29.80

State of sky, Clear

Direction of wind West ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Fred H Bright
Chief Gunner

NOTES RELATING TO STATION NO. 7519

Species of Jelly fish

Quantity of gray sand

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7520

Date, March 30 1903

Time of day, 2.25 PM ; of tide,

Locality, Gulf Stream off Cape Florida

Exact position, 7½ miles E.x.E.? of Fowey Rocks Light

Depth, 185 fathoms

Nature of bottom, Gray sand

Dredging instrument used, 7 ft beam trawl & small dredge

Direction of drift, North ; distance, 1½ miles

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 49 "

Density at surface, 1.0242 temp., Celsius. 25

" at depth of fathoms, "

" at bottom, 1.0252 " 20

Number of salinometer, 7450

Barometer reading, 29.79

State of sky, Clear

Direction of wind West ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Fred H Bright

Chas Yeoman

NOTES RELATING TO STATION NO. 7520

1 Small fish
3 Shrimp small
1 Sprite crab

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7521

Date, July 28 1903

Time of day, 1.30 PM ; of tide, 3/4 flood

Locality, Vineyard Sound Mass

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

Depth, 7 1/2 fathoms

Nature of bottom, Coarse sand

Dredging instrument used, Rake dredge

Direction of drift, N E x N ; distance, 1/8 miles

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0230 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0225 "

Number of salinometer, 7450

Barometer reading, 29.90

State of sky, Cloudy

Direction of wind SW ; 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. 7521

Only dead shells

Nodrid Solidissima

Arca

Transversa

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 vv.

Date, July 28 1903

Time of day, 2.15 P.M. ; of tide, High water

Locality, Vineyard Sound Mass

Exact position, Nobska Lighthouse S½W.

Distant 1 mile

Depth, 10 fathoms

Nature of bottom, Rocky

Dredging instrument used, Baker Dredge

Direction of drift, SW ; distance, ½ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1.0296 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.0320 "

Number of salinometer, 7450

Barometer reading, 29.90

State of sky, Cloudy

Direction of wind SW. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Warren E. West

11—1068

NOTES RELATING TO STATION NO. .....

Many chona Sulphura
" Cabacia Punctulata
Hydroids
Several Eufragmus
Several species of shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7223

Date, July 28 1903

Time of day, 2 30 P.M.; of tide, high water

Locality, Vineyard Sound Mass

Exact position, Nobeka Point bears N.N.W.

Distance 1 6/8 miles

Depth, 13 fathoms

Nature of bottom, Rocky

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1.0230 temp., Celsius. 18

" at depth of fathoms, "

" at bottom, 1.0232 " 16

Number of salinometer, 7450.

Barometer reading, 24.90

State of sky, Cloudy

Direction of wind SW. ; 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. 7573

Little living, material mostly sea urchin

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7524

Date, July 28 1903

Time of day, 2.40 PM ; of tide, 1/4 ebb

Locality, Vineyard Sound Mass

Exact position, Nobska Light bears N.N.W. 1/8 W Distant 2 1/4 miles

Depth, 10 fathoms

Nature of bottom, Rocky

Dredging instrument used, 7 ft beam trawl

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1.0230 temp., Celsius. 18

" at depth of fathoms, "

" at bottom, 1.0230 " 18

Number of salinometer, 7450

Barometer reading, 29.90

State of sky, 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. 75 v1

Chiefly sea urchins (Arbacia)
Many Pocholus modiolus
Many Heydrards
" larger Crepidula fornicator

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7525

Date, July 28 1903

Time of day, 3 15 P.M. ; of tide, 1/4 ebb

Locality, Vineyard Sound

Exact position, Nobska Light-beam [illegible] 1/4 W. Distant 2 5/8 miles

Depth, 7 fathoms

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 10226 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 10226 " 18.5

Number of salinometer, 7450

Barometer reading, 29.90

State of sky, Cloudy

Direction of wind SW ; 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. 7625

Sulphur sponge (China sulphurea) and Amaroccium placidum in large quantities

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7526

Date, July 28 1903

Time of day, 3 40 PM ; of tide, 1/4 ebb

Locality, Vineyard Sound Mass

Exact position, Nobska Light bears North Distant 2 1/2 miles

Depth, 7 1/2 fathoms

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 63 1/2 "

Density at surface, 1.0226 temp., Celsius. 18.8

" at depth of fathoms, "

" at bottom, 1.0224 " 16

Number of salinometer, 7450

Barometer reading, 2989

State of sky, Cloudy

Direction of wind SW. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Herman E. West

11—1068

NOTES RELATING TO STATION NO. 7526

Chiefly sulphur sponge (Cliona sulphurea)
Worm tubes (Hydroids)
Several starfish
" crepidula fornicata

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7527

Date, July 31 1903

Time of day, 2.00 P.M. ; of tide, 1/2 flood

Locality, Vineyard Sound Mass

Exact position, West Chop bears SE x E 1/4 E
Tarpaulin Cove bears W x S 1/2 S.

Depth, 9 fathoms

Nature of bottom, Sandy

Dredging instrument used, Rake dredge

Direction of drift, NE x E ; distance, 1/8 mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 72 "

Density at surface, 1.0248 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0225 " 20

Number of salinometer, 7450

Barometer reading, 2981

State of sky, 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. 7527

3 species of Arcidae
a few sulphur sponges
a few dead shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7526

Date, July 31 1903

Time of day, 2.15 P.M. ; of tide, 1/2 flood

Locality, Vineyard Sound Mass

Exact position, West Chop bears S.E. x E 3/4 E.
Nobska Point bears N.E. 1/4 E.

Depth, 13 fathoms

Nature of bottom, Sandy

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 67 1/2 "

Density at surface, 1.0225 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0225 " 19.5

Number of salinometer, 7450

Barometer reading, 29.81

State of sky, 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. 7528

3 species of ascidians
Many kinds of shells
Many stems of Giant Hydroids which have been recorded for only Lincks Hole and Nobska Pt in this region

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7529

Date, July 31 1903

Time of day, 2:30 PM; of tide, 1/2 flood

Locality, Vineyard Sound Mass

Exact position, W. Chop bears E x S 1/2 S.
Nobska Point bears N E x N 1/2 N.

Depth, 13 fathoms

Nature of bottom, Sand and Gravel

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 66 1/2 "

Density at surface, 1.0223 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 10230 " 19

Number of salinometer, 7450

Barometer reading, 29.81

State of sky, 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. 7529

a few sea urchins, mussels and a small number of dead shells

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7530

Date, July 31 1903

Time of day, 2.50 P.M. ; of tide, 3/4 flood

Locality, Vineyard Sound Mass.

Exact position, Nobska Point bears N x E West Chop bears E 3/4 S.

Depth, 12 fathoms

Nature of bottom, Rocky

Dredging instrument used, 7 ft beam trawl

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 1.0226 temp., Celsius. 18

" at depth of fathoms, "

" at bottom, 1.0232 " 18

Number of salinometer, 7450

Barometer reading, 29.81

State of sky, Cloudy

Direction of wind West ; 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. .....

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. 7530

1/2 bushel of sea urchins
Many fine boat shells
Many mussels
1/2 Doz small squid
Many ascidians

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7531

Date, July 31 1903

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

Locality, Vineyard Sound Mass

Exact position, Farpaulin Cove bears W 1/2 N

Nobska Point bears NE 3/4 N

Depth, 8 1/2 fathoms

Nature of bottom, Sandy

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 1.0230 temp., Celsius. 17.5

" at depth of fathoms, "

" at bottom, 1.0234 " 17.5

Number of salinometer, 7450

Barometer reading, 29.84

State of sky, 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. 7531

Many dead shells
A little living Amorosecum fallacedum

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7532

Date, August 3rd 1903

Time of day, 2.00 PM ; of tide, Low water

Locality, West Chop beams E.S.E.

Exact position, Tarpaulin Cove beams W & S 1/4 S.

Depth, 11 fathoms

Nature of bottom, Sand and rock

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 1.0222 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0220 "

Number of salinometer, 1450

Barometer reading, 3022

State of sky, Partly clear

Direction of wind SE ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E Hutt

6

NOTES RELATING TO STATION NO. 7532

3 species of Ascidians
2 " " Hydrozoa
2 " " Crabs
2 " " Hermit crabs
2 " " Starfishes
1 " " Bubble star
11 " " Byozoa
13 " " Mollusks
1 Sea Ammone
Sulphur sponges abundant
Few sand dollars
Coral
sea spider

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7533

Date, August 3 1903

Time of day, 2.20 PM ; of tide, 1/4 Flood

Locality, Vineyard Sound Mass

Exact position, Turpentine Cove bears W x S West Chop bears E x S 1/2 S.

Depth, 10 fathoms

Nature of bottom, Sandy

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 68 1/2 "

Density at surface, 1.0222 temp., Celsius. 20.5

" at depth of fathoms, "

" at bottom, 1.0220 "

Number of salinometer, 7x50

Barometer reading, 30.22

State of sky, Partly clear.

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. 75 B 3

Few sea urchins
Several species worms
Many sand dollars
Small piece sulphur sponge
12 species mollusks
1 " coral
2 sand eels
1 isopod

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7534

Date, August 3 1903

Time of day, 3.00 ; of tide, 1/4 Flood

Locality, Vineyard Sound Mass

Exact position, Turfrantin Cove bears W 1/4 S West Chop Ex S, Nobska Pt bears N E.

Depth, 10 1/4 fathoms

Nature of bottom, Rocky

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 68 1/2 "

Density at surface, 1.0224 temp., Celsius.

" at depth of fathoms, " 20.

" at bottom, 10223 "

Number of salinometer, 7.150

Barometer reading, 30.24

State of sky, Pretty clear

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. 753rt

1 species ascidianus
2 " Hydrozoa
1 " Crabs
2 " Hermit crabs
2 " Star fish
Many sea urchins
Several species worms
" " bryozoa
9 " Mollusks
few pieces coral

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7535

Date, August 3rd 1903

Time of day, 3.15 PM ; of tide, 1/4 Flood

Locality, Vineyard Sound Mass

Exact position, Nobska Point bears N.N.E.
Tarpaulin Cove bears W x N 3/4 N

Depth, 10 fathoms

Nature of bottom, Gravel and sand

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1.0224 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0222 "

Number of salinometer, 7450

Barometer reading, 30.20

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. 7535

2 species	arcadians
1 "	Hydrozoa
2 "	Crabs
2 "	Hermit crabs
2 "	Star fish
1 "	Bryozoa
15 "	Mollusks
Few	sea urchins
"	worms
"	pieces coral
"	sand dollars
"	barnacles

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7536

Date, August 3rd 1903

Time of day, 4.00 P.M. ; of tide, 1/2 Flood

Locality, Vineyard Sound Mass

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

Nobska Point bears N x E 1/2 E.

Depth, 5 1/2 fathoms

Nature of bottom, Sandy

Dredging instrument used, Rake dredge

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

Temperature of air, 71 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10.225 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 10226 "

Number of salinometer, 7450

Barometer reading, 30.20

State of sky, Partly clear

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. 1536

1 species Ascidians
3 " Hermit crabs
1 " Star-fish
1 " bryozoa
1 " mollusks
1 small sea urchin
Several species worms
1 sand dollar
Several species sulphur sponge
1 brittle star
1 chiton
1 sea anemone (fish?)
1 sculpin

TEMPERATURE AND DENSITY
RECORD OF DREDGING

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7537

Date, August 7th 1903

Time of day, 1:45 PM ; of tide, 1/2 ebb

Locality, Vineyard Sound Mass

Exact position, Tarpaulin Cove bears W x S 1/2 S.
West Chop bears E x S 1/4 S.

Depth, 15 fathoms

Nature of bottom, Coarse sand

Dredging instrument used, Oyster dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 1.0230 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0225 "

Number of salinometer, 7450

Barometer reading, 29.64

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. 7537

2 species Ascidians
2 " Hydrozoa
3 " crabs
2 " hermit "
2 " star fish
6 " mollusks
1 " shrimps
1 " barnacles
1 " chelons
Many sea urchins
Several species worms
" " bryozoa
Few species sulphur sponge
Many species coral

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7536

Date, August 7 1903

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

Locality, Vineyard Sound Mass

Exact position Tarpaulin Cove beam W 1/2 S West Chop beam E 3/4 S, Nobska Pt beam N N E 1/4 E

Depth, 10 fathoms

Nature of bottom, Stony

Dredging instrument used, Oyster dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 1.0223 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0222 "

Number of salinometer, 7450

Barometer reading, 29.64

State of sky, Clear

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. 1536

2 species Ascidians
2 " Hydrozoa
2 " Crabs
2 " Hermit Crabs
2 " Starfish
8 " Mollusks
Many sea urchins
Several species worms
" " bryozoa
1 sand dollar
Many species sulphur sponge
" " coral
1 sea spider
Several barnacle
" shrimp

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7539

Date, August 7th 1903

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

Locality, Vineyard Sound Mass

Exact position, Tarpaulin Cove W 3/4 N

Nobska Pt bears NE 1/4 E

Depth, 13 fathoms

Nature of bottom, Stony

Dredging instrument used, Oyster dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0238 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0223 "

Number of salinometer, 7450

Barometer reading, 29.63

State of sky, Clear

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. 1539

3 species Ascidians
1 " Hydrozoa
2 " crabs
3 " hermit "
2 " slow fish
11 " mollusks
Several species sea urchins
" " bryozoa
" shells of sand dollars
" fucus of coral
2 sea spiders

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7540

Date, August 7 1903

Time of day, 3.20 P.M. ; of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Nobska Pt bears N.E. 3/4 N
Tarpaulin Cove bears E x S 1/2 S.

Depth, 5 fathoms

Nature of bottom, Sand and dead shells

Dredging instrument used, Oyster dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 64. temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 69 1/2 "

Number of salinometer, 7450

Barometer reading, 29.63

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 Elliot

NOTES RELATING TO STATION NO. 7580

1 species Ascidians
3 " Hydrozoa
2 " Starfish
Two sea urchins
Ten species nerves
" " bryozoa
Several species of sulphur sponge
1 species univalve mollusk
1 Chiton

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 X 1

Date, August 7th 1903

Time of day, 3 X 0 P M ; of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Nobska Pt bears N E 1/2 E
Tarpaulin Cove bears E.S.E.

Depth, 13 fathoms

Nature of bottom, Sand and gravel

Dredging instrument used, Oyster dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.0222 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0222 "

Number of salinometer, 7450

Barometer reading, 29.63

State of sky, Clear

Direction of wind SW ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E Wait

NOTES RELATING TO STATION NO. 7541

1 species ascidians
2 " hydrogra
1 " crabs
Few sea urchins
" species worms
" species sulphur sponge
14 species mollusks
6 sand eels
1 small sand dab

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 Xr

Date, August 7 1903

Time of day, 1:20 PM ; of tide, 3/4 ebb

Locality, Vineyard Sound, Mass

Exact position, Nobska Pt bears N N E 1/4 E
Tarpaulin Cove bears N W x W 1/2 W.

Depth, 7 fathoms

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 1.0234 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0223 "

Number of salinometer, 7450

Barometer reading, 29.63

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. 75 Kr

2 species ascidians
1 " hydrozoa
1 " crabs
2 " hermit crabs
2 " Starfish
10 " Mollusks
Few sea urchins
" species worms
" " bryozoa
Few sand dollars
Many pieces sulphur sponge
Few barnacles
" shrimp

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7543

Date, August 11 1903

Time of day, 2.10 P.M. of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Guy Head bears SW 1/2 S

Nobska Lt bears Ex N 1/2 N

Depth, 12 fathoms

Nature of bottom, Coarse gravel

Dredging instrument used, Oyster dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 67 1/2 "

Density at surface, 1.0239 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0220 "

Number of salinometer, 7450

Barometer reading, 2985

State of sky, Cloudy

Direction of wind SSW ; 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. 7543

1 species Hydrozoa
1 " Sponge
1 " Annelids
2 " Crabs
2 " hermit
1 " Isopods
18 " Mollusks
1 " Ascidian
1 fragment of a sea urchin
Many sand dollars

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 XX

Date, August 11. 1903

Time of day, 2.25 PM ; of tide, 3/4 ebb

Locality, Vineyard Sound mass

Exact position, Infraulin Cove bears W 3/4 N Nobska Lt N E x E 1/2 E.

Depth, 10 1/2 fathoms

Nature of bottom, Coarse gravel

Dredging instrument used, Albemarle trawl & Oyster dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 67.5 "

Number of salinometer, 7X50

Barometer reading, 29.78

State of sky, Cloudy

Direction of wind SSW ; 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. .....

Yard yellow sponge
2 species hydrozoa
1 " sea-anemone
1 " starfish
14 " annelids
3 " crabs
2 " " hermit
14 " molluscs
3 " ascidians
Several dead sand dollars
" baby squid eggs

RECORD OF DREDGING,

TEMPERATURE AND DENSITY.

Station No. 7545

Date, August 11 1903

Time of day, 2 40 PM ; of tide, 3/4 ebb

Locality, Vineyard Sound Mass

Exact position, Turfrantin Cove bears N W x W 3/4 W - Nobska bears N E 1/4 E

Depth, 10 1/4 fathoms

Nature of bottom, Stones and coarse gravel

Dredging instrument used, Oyster dredge

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

Temperature of air, 70 therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, 67 1/2 "

Density at surface, 10292 temp., 185

" at depth of fathoms, "

" at bottom, 10226 "

Number of salinometer, 7150

Barometer reading, 29.78

State of sky, Cloudy

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

Name and position of observer,

Vernon E West

NOTES RELATING TO STATION NO. 1545

Many pieces coral
2 species star-fish
2 " sea urchins
3 " annelids
4 " crabs
1 " " (hermit)
4 species mollusks
1 " ascidians
Fin chitons
1 small eel
Eggs of skate

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