Fish Hawk

Copy

From March 12 to Aug 11 1903

Serial # 7496 to # 7545.

Dis

FISH HAWK.
7496
TO
7545

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7496

Date, March 12 1903

Time of day, 9.55 am ; of tide, 1/2 ebb

Locality, Hawk Channel / Fla

Exact position, 3/4 of mile Ex St. of the Northernmost of the Ragged Keys

Depth, 13 ft

Nature of bottom, Hard / sand /

Dredging instrument used, Small / scrape dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 10249 temp., Celsius. 23

" 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 West

NOTES RELATING TO STATION NO. 7+96

1 bum Gold

1 small "

1 shell

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7497

Date, March 12 1903

Time of day, 10.40 am ; 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, 74 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0750 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.02

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. 1497

3 small shells

643

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 Fla

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
2 small shells

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7499

Date, March 12 1903

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

Locality, Biscayne Bay Fla

Exact position, 1 7/8 miles E.N.E. 1/2 E of Shoal Point

Depth, 13 feet

Nature of bottom, Hard sand

Dredging instrument used, Small scraper 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. 23.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7049

Barometer reading, 30.00

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 West

NOTES RELATING TO STATION NO. .....

1 small circle

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7500

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 23.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7049

Barometer reading, 29.98

State of sky, Partly clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 Vernon E. West.

NOTES RELATING TO STATION NO. 7500

1 small finger sponge

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1501

Date, March 12 1903

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

Locality, Biscayne Bay Fla

Exact position, 5/8 mile 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, 1.0000 temp., Celsius. 73

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 1450

Barometer reading, 29.95

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,

Norman E. West

NOTES RELATING TO STATION NO. 7501

Hathway 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

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 Hen + Chickens Lt barns W½ S

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 West

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 bears South Distance 1½ 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 West

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7505

Date,

Time of day, 830 am ; of tide,

Locality, Hawk Channel Fla.

Exact position, Fen 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 E. West

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 Transverse Key bears 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

643

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, 10246 temp., Celsius. 21

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 2997

State of sky, Partly 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

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, 300 2

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

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7509

Date,

Time of day, 130 PM ; of tide,

Locality, Hawk Channel Fla

Exact position, Angel Fish Key Sponge grounds Old Rhodes Bank Beacon N E ½ 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,

Vernon E West

11—1068

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 ¼ 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

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 Fla

Exact position, 2½ miles S.S.E. of Fowey Rocks Light

Depth, 145 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, North ; distance, ½ mile

Temperature of air, 77 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 West

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
coarse
amphipods
gastropods
sea urchins

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 1/8 miles SE x E Fowey Rocks Light

Depth, 170 Fathoms

Nature of bottom, soft

Dredging instrument used, 7 ft beam trawl

Direction of drift, N x E ; 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, 2986

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. .....

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 large crab

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7813

Date, March 25 1903

Time of day, 11.50 AM ; of tide,

Locality, Gulf stream off Cape Florida Fla

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, 46 "

Density at surface, 1.0236 temp., Celsius. 26

" at depth of fathoms, "

" at bottom, 1.0248 "

Number of salinometer, 7.50

Barometer reading, 298

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. 7513

Macura

Portion species of fish

2 species of shrimp

1 brittle star

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 1st

2 large crabs

Murrura

Several fish and crabs

" species of shrimp

" " " crustacea

Naked mollusks

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, 3 1/2 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 Tiowman

NOTES RELATING TO STATION NO. .....

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

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. 25

" 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 Sponge

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, 2½ 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, 74 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, 74 "

Density at surface, 1.024 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. 7517

2 species of crabs
1 small eels
1 " fish
1 shrimp
5 Brittle stars

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 9516

Date, March 20 1903

Time of day, 12.25 PM ; of tide,

Locality, Gulf stream off Cape Florida

Exact position, 1 mile NE×E of Fowey Rocks Light

Depth, 156 fathoms

Nature of bottom, Gray sand and shell

Dredging instrument used, 9ft 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, 1027 temp., Celsius. 25.5

" at depth of fathoms, "

" at bottom, Instrument broken

Number of salinometer, 9450

Barometer reading, 29.81

State of sky, clear

Direction of wind West ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Fred H Bright
Chief Dummer

NOTES RELATING TO STATION NO. 7558

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

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7519

Date, March 30 1903

Time of day, 1.35 PM ; of tide,

Locality, Gulf stream off Cape Florida

Exact position, 1¼ miles E-NE¼E of Fowey Rocks Light

Depth, 186 fathoms

Nature of bottom, Fine gray sand

Dredging instrument used, 7 ft beam brush 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 Lieutenant

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, 155 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, 10 2 5 2 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
Ch Yeoman

NOTES RELATING TO STATION NO. 7520

1 Small fish
3 Shrimp small
1 Sparse crab

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, 60 "

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,

11—1068

Vernon E Wist

NOTES RELATING TO STATION NO. 75 VI

Only dead shells
Nostra Solidissima
Arca
Transversa

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7522

Date, July 28th 1903

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

Locality, Vineyard Sound Mass

Exact position, Pollock Light-beam N ½ W. Distant 1 mile

Depth, 10 fathoms

Nature of bottom, Rocky

Dredging instrument used, Rake dredge

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

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1.0226 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.0230 "

Number of salinometer, 7450

Barometer reading, 29.90

State of sky, Cloudy

Direction of wind S.W. ; force, x

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon E. West

11—1068

NOTES RELATING TO STATION NO. .....

Many chiona Sulphura
" Cabacia Punctulata
Hydroids
Several Eupagurus
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, Nobska 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, 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. Wait

11—1068

NOTES RELATING TO STATION NO. 7523

Little living, material mostly sea urchin

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7524

Date, July 28 1903

Time of day, 2.40 P.M. ; 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, S.W.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 v

Chiefly sea urchins (Arbacia)
many modiolus modiolus
many Hydroids
" large Crepidula fornicator

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7525

Date, July 28 1903

Time of day, 3 15 PM ; of tide, 1/4 ebb

Locality, Vineyard Sound

Exact position, Nobska Light-beam [illegible] 1/4 W. Distant 7 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, 1.0226 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0226 " 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. 7576

Date, July 28 1903

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

Locality, Vineyard Sound Mass

Exact position, Edgartown 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, 1/4 mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, 63 1/2 "

Density at surface, 1.0276 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.0272 " 16

Number of salinometer, 7450

Barometer reading, 29.84

State of sky, Cloudy

Direction of wind SW. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer, Vernon Edwards

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 x 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 Ascidians
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 Quicks 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 P.M.; 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. 14

" at depth of fathoms, "

" at bottom, 10230 " 14

Number of salinometer, 7850

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

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. 1530

½ bushel of sea urchins
Many fine boat shells
Many mussels
½ Doz small squid
Many urchins

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, Farrpaulin Cove bears W 1/2 N
Nobska Point bears N E 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 brown Amorosecum fallacedum

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 bears E.S.E.

Exact position, Tarpaulin Cove bears W-S ¼ S.

Depth, 11 fathoms

Nature of bottom, Sand and rock

Dredging instrument used, Rake dredge

Direction of drift, East ; distance, ⅛ 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, 7459

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,

Vernon E West

11—1068

NOTES RELATING TO STATION NO. 150 N

3 species of Medusae
2 " " Hydrozoa
2 " " Crabs
2 " " Hermit crabs
2 " " Starfishes
1 " " Brittle stars
14 " " Bryozoa
13 " " Molluscs
1 Sea Anemone
Sulphur sponges abundant
Few sand dollars
Coral
sea spiders

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, Raise 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, Tarpaulin 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, 1.2224 temp., Celsius.

" at depth of fathoms, " 20.

" at bottom, 10223 "

Number of salinometer, 7.150

Barometer reading, 30.24

State of sky, Partly clear

Direction of wind S.E. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 753 A

1 species ascidiaans
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. 1535

2 species	ascidians
1 "	Hydrozoa
2 "	Crabs
2 "	Hermit crabs
2 "	Star fish
1 "	Bryozoa
15 "	Mollusks
Few	sea urchins
"	worms
"	species 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, 69 "

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

2 species Ascidians
3 " Hermit crabs
2 " Star fish
1 " bryozoa
1 2 " mollusks
1 rare sea urchin
Several species worms
1 sand dollar
Several pieces sulphur sponge
1 brittle star
1 chitons
1 sea snail (fish)
2 sculpin

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, 74.50

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. 1537

1 species Ascidians
1 " Hydrozoa
3 " crabs
1 " hermit "
1 " star fish
1 " molluscs
1 " shrimps
1 " barnacles
1 " chitons
Many sea urchins
Several species worms
" " bryozoa
Few species sulphur sponge
Many species coral

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 Surface in Cove bears W 1/2 S West Chop bears E 3/4 S, Nobska Pt bears 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

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. 7539

3 species Ascidians
1 " Hydrozoa
2 " corals
3 " hermit "
2 " star fish
11 " molluscs
Several species sea urchins
" " bryozoa
" shells of sand dollars
" fucus of coral
2 sea spiders

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 E West

NOTES RELATING TO STATION NO. 7580

1 species Ascidians
3 " Hydrozoa
2 " Starfish
Few sea urchins
Few species worms
" " bryozoa
Several species of sulphur sponge
1 species univalve mollusk
1 Chitton

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75 X1

Date, August 7th 1903

Time of day, 3 40 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 West

NOTES RELATING TO STATION NO. 7541

1 species ascidians
2 " hydrozoa
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 X 2

Date, August 7 1903

Time of day, 1100 AM ; 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
1 " Starfish
10 " Mollusks
Few sea urchins
" species worms
" " bryozoa
Few sand dollars
Many pieces sulphur sponge
Few barnacles
" shrimp

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, Gay 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, 29.85

State of sky, Cloudy

Direction of wind SSW ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E West

NOTES RELATING TO STATION NO. 9543

1 species Hydrozoa
1 " Sponges
1 " Annelids
2 " Crabs
2 " hermit
1 " barnacles
18 " Molluscs
1 " Ascidians
1 fragment of a sea urchin
Many sand dollars

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 75XX

Date, August 11. 1903

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

Locality, Vineyard Sound mass

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

Depth, 10 1/2 fathoms

Nature of bottom, Coarse gravel

Dredging instrument used, Albatross 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, 29.76

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. .....

Few yellow sponges
2 species hydrozoa
1 " sea-anemones
1 " starfish
4 " annelids
3 " crabs
2 " " hermit
14 " molluscs
3 " ascidians
Several dead sand dollars
" batches 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, 7450

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
Few chitons
1 sand dollar
Eggs of skate