7724 - 7766

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 7724 to 7766

yr. 1905

B
Guy Heard to Prospect hills 133° 35'
Prospect hills tangent to Cedar tree neck 69° 42'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7724 ✓

Date, Aug 8 1905

Time of day, Haul leaves 908 30 ; of tide, Haul ends 916

Locality, Vineyard Sound

Exact position, A Guy Heard to Prospect 141° 44'
Prospect hills tangent to Cedar tree neck 66 58

Depth, 10 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 9 ft trawl + mud bag

Direction of drift, ; distance,

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

" of surface water; 66 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

A

Name and position of observer,

11—1068

C Guy Heard to Prospect hills 127.29
Prospect tangent to Cedar tree neck 72° 15'

30 fathoms out

NOTES RELATING TO STATION NO. 7724

Many hydroids.
Many corals
Many shells

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7725

Date, August 8 1905

Time of day, 9.25 ; ~~of tide,~~

Locality, Juneau Sound

Exact position,

Depth, 10 fathoms

Nature of bottom, hard sand

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

NOTES RELATING TO STATION NO. 7725

Many hydroids
Few crabs
Many shells

B
G H end to Prospect 102 57
Prospect to Tarpaulin Cove 108 41

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7726

Date, August 8 1905

Time of day, 9.42 Hand lead ; of tide, Hand sounds

Locality, Vineyard Sound

Exact position, A.G. Head to Prosp 105 24
Prospect hills to Tarpaulin Cove 110 33

Depth, 15 fathoms – 13½

Nature of bottom,

Dredging instrument used, 9 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 66 102 22 temp., Celsius.

" at depth of fathoms, "

" at bottom, 102 24 "

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

C
11—1068
Guy Head to Prospect hill 100 44
Prospect hill to Tarpaulin Cove 106 59

30 fathoms out

NOTES RELATING TO STATION NO. 7726

Many starfish
Fish shells

B
Gay head to Prospect hill 89° 45'
Prospect hill to Tarpaulin cove 103° 31'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7727 ✓

Date, Aug 8 1905

Time of day, Hand begin 10.01 ; of tide, Hand ends

Locality, Vineyard Sound

Exact position, Gay head to Prospect 93° 07'
Prospect hill to Tarpaulin cove 103 56

Depth, 12 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 9 ft brown + mud bag

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind Calm ; force,

Rain, light

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Gay Head to Prospect hill 87° 21'
Prospect hill to Tarpaulin cove 103° 18'

NOTES RELATING TO STATION NO. 7227

Many sand dollars
Fine shells

B Prospect to Pasque 104° 51'
Pasque to Gay Head 88° 23'
Prospect hills E 1/8 S

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7728 ✓

Date, August 8 1905

Time of day, 10.33 ; of tide, 10.41

Locality, Vineyard Sound

Exact position, A Prospect to Pasque 98 45
Pasque to Gay Head 83° 03
Prospect hills E 1/4 N

Depth, 8

Nature of bottom, stiff clay

Dredging instrument used, 9 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 10224 temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind ; force,

Rain, light

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Prospect to Pasque 107° 45'
Pasque to Gay Head 90° 57
Prospect hill E 1/2 S

NOTES RELATING TO STATION NO. 2228

Sponges (common)
Eelpout (common)
Many shells

B Guy Head & Prospect 134 3
Guy Head to Prospect to Lightning Cedar Tree Neck 50 5½
Guy Head SW x W ¾ W

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7729

Date, August 8 1905

~~Time of day~~, Hand Lead 1052 ; of tide, 11-00-30

Locality, Vineyard Sound

Exact position, A Prospect to Pasque 116° 51
Pasque to Guy Head 101 01

Depth, Prospect 10½ E x 5⅜ S

Nature of bottom, Hard sand

Dredging instrument used, 9 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10224 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10226 "

Number of salinometer,

Barometer reading, 30.00

State of sky, Cloudy

Direction of wind SW — ; force,

Rain, Light

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

C 11—1068 Guy Head to P 129 24
Prospect to Lightning Cedar Tree Neck 51 59
Guy Head SW x W ½ W

25 fathoms out

NOTES RELATING TO STATION NO. 7729

Many sand dollars
Many crabs
Few shells

B
Prospect to Pusque 97° 27'
Pusque to Guy Head 115° 52'
Guy Head SW x W 1/2 W

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7730

Date, Aug 8 1905

Time of day, Haul begins 1430; of tide, Haul ends

Locality, Vineyard Sound

Exact position, A Prospect to Nashuwena 115° 59'
Nashuwena to Guy Head 87° 59'
Guy Head W x S 5/8 S

Depth, 12 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 9 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 66.5 "

Density at surface, 10224 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10226 "

Number of salinometer, 7450

Barometer reading, 29.99

State of sky, Cloudy

Direction of wind SW ; force, mod

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Prospect to Pusque 101 57
Pusque to Guy Head 118 41
SH SW x W 1/8 W

NOTES RELATING TO STATION NO. 7230

Sponges (common)
Hydroids (common)
Crabs (common)
Fan shells

B Naushon SW to Nashawena 42° 05'
Nashawena to Cuttyhunk 29 48

643 Gig Head S x W 1/4 W

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7731

Date, Aug 8 1905

Time of day, 10.38-30 ; of tide, 10.46 30

Locality, Vineyard Sound

Exact position, A Naushon SW Nashawena 43 17
Nashawena to Cuttyhunk 30 06
Gig Head S x W 1/4 W

Depth, 12 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 9 ft trawl towed bag

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 10224 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 7450

Barometer reading, 3000

State of sky, Fraudly cloudy

Direction of wind SW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Naushon SW to Nashawena 41° 35'
Nashawena to Cuttyhunk 29° 39'
30 out Gig Head S x W

NOTES RELATING TO STATION NO. 2231

Starfish (many)
Many crabs
Many shells

B Nanshon to T. Cove 55 01
T Cove to Nanshon S.W. 38 43

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7732

Date, Aug 10th 1905

Time of day, Haul begins 1.26 ; of tide, Haul ends 134

Locality, Vineyard Sound

Exact position, Nanshon to T. Cove 59.26
T. Cove to Nanshon S.W. 37 34

Depth, 12½ fathoms

Nature of bottom,

Dredging instrument used, 99 trawl + mud bag

Direction of drift, ; distance,

Temperature of air, Fahr. therm. No.,

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 10218 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 30 12

State of sky, Cloudy

Direction of wind SW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nanshon to T. Cove 51 32
T. Cove to Nanshon S.W. 40 30

30 out

NOTES RELATING TO STATION NO. 7232

Several sponges
Worms (abundant)
Many shells

B Naushon to T Cove 16°42'
T Cove to Naushon S.W. 6322.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7733

Date, Aug 10 1905

Time of day, 1.48 ; of tide, Hauling ends 1.56

Locality, Vineyard Sound

Exact position, A Naushon to T. Cove 16°40
Tarpaulin Cove to Naushon S.W. 67°51

Depth, ~~19~~ 13 fm

Nature of bottom, Hard Sand

Dredging instrument used, Tyrtrawl and mud bag

Direction of drift, ; distance,

Temperature of air, Fahr. therm. No.,

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 3002

State of sky, Cloudy

Direction of wind SW ; force, freshly

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

A Naushon to T Cove 16°18
T Cove to Naushon S.W. 58 13

30 fathoms out

NOTES RELATING TO STATION NO. 7233

Few shells

B

1 Cove to Nanshon S.N. 31° 47'
Nanshon SW to Pasque 48° 48'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7734

Date, Aug 10

Time of day, Haul begins 2 14-30 Haulands of tide, 2 22

Locality, Vinyard Sound

Exact position, A 1 Cove to Nanshon S.N. 31° 18'
Nanshon SW to Pasque 52 28

Depth, 10 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 9 ft beam trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, "

" at bottom, ~~48~~ 68 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 3002

State of sky, Cloudy

Direction of wind SW ; force, fresh

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

1 Cove to Nanshon SW 31° 30'
Nanshon SW to Pasque 45 55

25 fathoms sand

NOTES RELATING TO STATION NO. 2234

Few starfish
Few shells

B
Guy Heard to Prospect 68° 38'
Prospect to Cape Higgon 47° 21'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7735

Date, Aug 10 1905

Time of day, Haul begins 2.36 ; of tide, Haul ends 2.44

Locality, Vineyard Sound

Exact position, A Guy Heard to Prospect 66 –
Prospect to Cape Higgon 43 57

Depth, 9

Nature of bottom, Sand

Dredging instrument used, 9 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10.222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10.224 "

Number of salinometer, 7450

Barometer reading, 30.12

State of sky, Cloudy

Direction of wind SW ; force, fresh

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Guy Heard to Prospect 71° 04'
Prospect to Cape Higgon 50 31
30 fathoms out

NOTES RELATING TO STATION NO. 7735

Few shells

643

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. 2236

Few sponges
Few shells

B Nobska Pt to Naushon 115° 18'
Naushon to Tar Cove 32° 31
643 " NW x W ¼ W

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7737

Date, Aug 12

Time of day, Hul begins 9.02 ; of tide, Hul ends 9.10

Locality, Vineyard Sound

Exact position, A Nobska Pt to Naushon 120 51
Naushon to Tarpaulin Cove 32.08
Naushon NW x W ¾ W

Depth, 12 fathoms — 11½ —

Nature of bottom, Pebbles

Dredging instrument used, 9 ft beam mud bag trawl +

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10224 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1023 "

Number of salinometer, 7450

Barometer reading, 30.02

State of sky, Cloudy

Direction of wind S.W. ; force, fresh

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska Pt to Naushon 110° - 15'
Naushon to Tarpaulin Cove 32° 51
" NW x W

28 mi

NOTES RELATING TO STATION NO. 2737

Worms (common)
Many crabs
Shells (few)

B Nobska Pt to Naushon 8343
Naushon to Tow Cove 7135
" NxW 3/4 W

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7738

Date, Aug 12 1905

Time of day, 9.25 Hawkins ; of tide, 9 2 9 Hawkins

Locality, Vineyard Sound

Exact position, A Nobska Pt to Naushon 85° 18'
Naushon to Tow Cove 72 44
" NxW 3/4 W

Depth, 12-

Nature of bottom, sand + gravel

Dredging instrument used, 99 trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10224 "

Number of salinometer, 7450

Barometer reading, 3002

State of sky, Cloudy

Direction of wind SW ; force, mod

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C

See fish cut

NOTES RELATING TO STATION NO. 7738

Sulphur sponge (abundant)
Few sea urchins
Worms (common)
Very few shells

643

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. 7739

Many worms
Many shells

B Cape Higgins to Indian 78° 33
Indian to Stanton Pt 46 22

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7740

Date, Aug 12 1905

Time of day, 9.57 ; of tide, 10.65

Locality, Vineyard Sound

Exact position, A Cape Higgins to Indian 73 16
Indian to Stanton Pt 48 02

Depth, 15 fathoms

Nature of bottom, Sand sand + gravel

Dredging instrument used, 9 ft trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10224 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10224 "

Number of salinometer, 74.50

Barometer reading, 30 02

State of sky, Cloudy

Direction of wind SW ; force, fresh

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Cape Higgins Indian 80° 03
Indian to Stanton Pt 43 10

45 cent

NOTES RELATING TO STATION NO. 7740

Few shells
Few puffers + flounders

B

Prospect to Indian 10 8 37
Indian to Nortons Pt 21 02

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7741

Date, Aug 12 1905

Time of day, 10.25-30 Hand begins ; of tide, Hand ends 10.34

Locality, Vineyard Sound

Exact position, A Prospect to Indian 11 22 20
Indian to Nortons Pt 22.27

Depth, 15 fathoms

Nature of bottom, Hard sand + shells

Dredging instrument used, 9 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, ~~69~~ 10224 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10224 "

Number of salinometer, 7450

Barometer reading, 3002

State of sky, Cloudy

Direction of wind SW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Prospect to Indian 10 2 41
Indian to Nortons Pt 21 30
20 fathoms
Cut Prospect to Bearing 9 2 35

NOTES RELATING TO STATION NO. 7741

Dragdr caught in rock
Few shells

B Nobska to Naushon 99° 37'
Naushon " " SW 35° 53

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7742

Date, Aug 17

Time of day, 8-29 ; of tide, 9

Locality, Vineyard Sund

Exact position, A Nobska to Naushon 101 34
Naushon to Naushon SW 35 47

Depth, 9½ fathoms

Nature of bottom, Rocky bottom

Dredging instrument used, 7 ft. beam trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10224 "

Number of salinometer,

Barometer reading, 30 07

State of sky, Clear

Direction of wind NE ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C

See fathoms

NOTES RELATING TO STATION NO. 7242

Dredge caught in rocks
Few sponges
Very fine shells

B

Nobska to Nausburg 97°42
Nausburg " " SW 38 01

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7743 ✓

Date, Aug 17

Time of day, Hauldbegins 8.50-30 ; of tide, Hauldends 8.54

Locality, Vineyard Sound

Exact position, A Nobska to Nausburg 99°40
Nausburg to Nausburg SW 37°44

Depth, 10 ✓ fathoms

Nature of bottom, Rocky.

Dredging instrument used, Oyster rake

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 10 ✓ ✓ ✓ temp., Celsius.

" at depth of fathoms, "

" at bottom, 10 ✓ ✓ ✓ "

Number of salinometer, 74,50

Barometer reading, 30 07

State of sky, Clear.

Direction of wind East ✓ ; force, mod ✓

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C

30° fathom out

NOTES RELATING TO STATION NO. 2243

Sponges (common)

B
Nobska to Tow Cove 89° 37'
Tarpaulin to Nashuwena 31 30

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 77 [illegible]

Date, Aug 17

~~Time of day~~ Haul beginning, 9.12 ; of tide, Haul ends 9.20

Locality, Vineyard Sound

Exact position, A Nob to Tow Cove 90° 58'
Tarpaulin to Nashuwena 31 05

Depth, 12½ fathoms

Nature of bottom, Hard sand

Dredging instrument used, 7 ft beam trawl mud bag

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10220 "

Number of salinometer, 74.50

Barometer reading, 30.05

State of sky, Clear

Direction of wind East ; force, ✓

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska to Tow Cove 87° 39'
Tarpaulin to Nashuwena 32 32

31 fathoms

NOTES RELATING TO STATION NO. 7744

Star fish (common)
Worms (common)
Many shells

643

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,

11—1068

NOTES RELATING TO STATION NO. .....

B
Nobska to Nausham 73°58
Nausham to Nausham SW 31°30

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7745 ✓

Date, Aug 17

Time of day, Hand begins 9.33 ; of tide, Hand ends 8.40

Locality, Vineyard Sound

Exact position, A Nobska to Nausham 73°55
Nausham to Nausham SW 33°46

Depth, 12-10-18

Nature of bottom, Hard sand

Dredging instrument used, 7 ft beam trawl from Hog

Direction of drift, ; distance,

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 7450

Barometer reading, 3005

State of sky, Clear

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska to Nausham 7317
Nausham to SW 29°52
35 out

NOTES RELATING TO STATION NO. 2245

Sulphur sponge (abundant)
Few shells

B

Gay Head to Norton's Pt 40°09
Norton's Pt West Chop 83°17

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7746 ✓

Date, Aug 17

Time of day, 10-20 ; of tide, Hand lines Hand lands

Locality, Vineyard Sound

Exact position, A Gay Head Norton Pt 4826
Norton's Pt to West Chop 7634

Depth, 14 fathoms

Nature of bottom, Hard Sand

Dredging instrument used, 7 ft brass trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 4 "

Number of salinometer, 74.50

Barometer reading, 2005

State of sky, Clear

Direction of wind ENE ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Gay Head Indian 2833
Indian K West Chop 92°18

34 fathoms [illegible]

NOTES RELATING TO STATION NO. 7746

Few sponges
Few shells

B
Gay Head Indian 20° 11'
Indian to West-chop 86° 16'

643 115.20

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7747

Date, Aug 17

Time of day, 10 16 ; of tide, 1024

Locality, Vineyard Sound

Exact position, A Gay Head to Indian 23° 16'
Indian to West-chop 89° 40'

Depth, 14. faths

Nature of bottom, Large stones

Dredging instrument used, 7 ft. trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 3005

State of sky, Clear

Direction of wind N.E. ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Observatory to Nobska 67.45
Nobska Tow Cove 63.46

30 fathoms

NOTES RELATING TO STATION NO. 2247

Worms (common)
Shells (Very few)

B Observatory to Nobska 79°47
Nobska to Tarcova 38 47

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7748

Date, Aug 17

Time of day, 10.35 ; of tide, Hauland

Locality, Vineyard Sound

Exact position, A Observatory to Nobska 82°37'
Nobska to Tarpaulin Cove 43°55'

Depth, 13 fath

Nature of bottom, Pebbles + sand

Dredging instrument used, 7 ft-beam trawl and bag

Direction of drift, ; distance,

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

" of surface water, 72 "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 74.50

Barometer reading, 30.16

State of sky, Clear

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Observatory Nobska 75°24
Nobska to Tarcova 37 08
30 fathoms

NOTES RELATING TO STATION NO. 7248

Few shells

B

Observatory to Nobska 58°02
Nobska to Tar Cove 53 05

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7749

Date, Aug 17

Time of day, 1058 Hand lodge ; of tide, Hand lodge

Locality, Vineyard Sound

Exact position, Observatory to Nobska 59°30
Nobska to Tar Cove 56 11

Depth, 10½ fathoms

Nature of bottom, Hard sand

Dredging instrument used, 7 ft. [illegible] trawl & [illegible] bag

Direction of drift, ; distance,

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 74.50

Barometer reading, 30.10

State of sky, Clear

Direction of wind E - ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Observatory to Nobska 57°03
Nobska to Tar Cove 51 33

NOTES RELATING TO STATION NO. 7749

Few sponges
Worms (common)
Shells (common)

B

Observatory Nobska 50 21
Nobska Tow Cove 58 10
Cut - 91 - Nobska to Bay

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7750

Date, Aug 17

Time of day, 11.56 Hail Sunset ; of tide, 11.20

Locality, Vineyard Sound

Exact position, A Observatory to Nobska 50 33
Nobska to Tow Cove 56 48
Cut - 8602 to Nobska

Depth,

Nature of bottom, Sandy

Dredging instrument used, 7 ft beam trawl & sand bag

Direction of drift, ; distance,

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 74.50

Barometer reading, 30.10

State of sky, Clear

Direction of wind E. ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C

NOTES RELATING TO STATION NO. 2257

Sponges (common)
Worms (abundant)
Shells (few)

B
Observatory to Nobska 41.10
Nobska to Tow Cover 69 26

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7751

Date, Aug 17

Haul begins Haul ends

Time of day, 11.31 ; of tide, 11.36.30

Locality, Vineyard Sound

Exact position, A Observatory to Nobska 42 31

Obs Nobska to Tow Cover 69 45

Bus to Obs 38.17

Depth, 9½

Nature of bottom, sand

Dredging instrument used, 9 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 7450

Barometer reading, 30.10

State of sky, Clear

Direction of wind East ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Observatory to Nobska 40 48
Nobska to Tarpaulin Cove 69 16

NOTES RELATING TO STATION NO. 7751

Dredge caught in rocks
Net some what time
Position B
Worms (common)
Many shells

B

Observatory to Nobska 31 57
Nobska to Tor Cove 86 11

643 7507

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7752

Date, Aug. 17

~~Time of day~~ Hauling 11.50 ; of tide, Hauling 11.58

Locality, Vineyard Sund.

Exact position, A Observatory to Nobska 32° 42'
Nobska to Tor Cove 87 32

Depth, 7648 10

Nature of bottom, sand & pebbles

Dredging instrument used, 7 ft beam trail & mud bag

Direction of drift, ; distance,

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 7450

Barometer reading, 30 10

State of sky, Clear

Direction of wind East ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Observatory to Nobska 31 07
Nobska to Tor Franklin 85 43

30 fath cut

NOTES RELATING TO STATION NO. 7252

Shells (common)

B Nausham Sw to Indian 65°28
Indian to West Chop 72 52

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7753

Date, Aug 17

Time of day, 1–35 ; of tide, Heel ends

Locality, Vineyard Sound

Exact position, A Nausham Sw to Indian 66 35
Indian to West Chop 75 22

Depth, 13½

Nature of bottom, pebbles

Dredging instrument used, 7 ft beam trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 10215 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 30.10

State of sky, Clear

Direction of wind ESE ; force, mod

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nausham Sw to Indian 64°34
Indian to West Chop 71 22

NOTES RELATING TO STATION NO. 7253

Coral (common)
Fine sand dollars
Shells (common)

B
Indian to West Chop 7327
West Chop to Observatory 6243

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7754

Date, Aug 17

Time of day, 2—01 ; of tide, Hawlands

Locality, Vineyard Sound

Exact position, A Indian to West Chop 76°29'
West Chop to Observatory 63°53'

Depth, 13½ fathoms

Nature of bottom, pebbles and sand

Dredging instrument used, [illegible]

Direction of drift, ; distance,

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 10216 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10218 "

Number of salinometer, 7450

Barometer reading, 3010

State of sky, Clear

Direction of wind East ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Indian to West Chop 7202
West Chop to Observatory 6222

30 Yards out

NOTES RELATING TO STATION NO. 7754

Sponges (common)
Worms (common)
Shells (few)

B

Observatory to Nobska 98° 11'
Nobska to Naushon SW 62° 27'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7755

Date, Aug 17 1905

Time of day, Hauleban 2-30 ; of tide, Haulends 10.41-30

Locality, Vineyard Sound

Exact position, A Observatory to Nobska 95 43
Nobska Naushon SW 61 21

Depth, 10 - fathoms

Nature of bottom, sand + gravel

Dredging instrument used, 7 ft beam trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 70 " 70.5

" at depth of fathoms, " 70.5

" at bottom, 70 " 68.7

Density at surface, 10215 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 3010

State of sky, Clear

Direction of wind ESE ; force,

Rain, A1

Observatory to Nobska 98 45
Nobska to Naushon SW 65 45
Nobska to Buoy 49 55

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Observatory to Nobska 98 45
Nobska to Naushon SW 65 45

Nobska to Buoy 49 55
30 fathoms

NOTES RELATING TO STATION NO. 7755

Mud bay carried away

Worms (common)

Many shells

Locating buoys

643 see other side also

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No.

Date,

Time of day, ; of tide,

Locality, Bell buoy

Exact position, Observatory to Nobska 52° 33'

Nobska to Naushon SW 115° 30'

Depth, Buoy bore N × W 100 yds

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,

11—1068

Gas buoy

Naushon & Norkins Pt 60.42

Norkins Pt to W Chop 57.51

W Chop to Nobska 59.32

Gas buoy 75 yds W Port

Locating bumps

NOTES RELATING TO STATION NO. .....

Angles to cuts on Fulmarch Observatory

(1) (5.0.00)

Observatory to Nobska 37.42
Nobska to W Chop 18.18
W Chop " E Chop 22. } 40.18

(2)

Observatory to Nobska 56-56 { 35 06
Nobska to W Chop 21 50
W Chop to E Chop 39 19

(3)

Observatory to Nobska 38 35
Nobska W Chop 65-45 { 26 40
W Chop to E " 68.20

(4) (Reject all cuts)

Water tower to Nobska 23.19
Nobska to W Chop 53-17 { 28.58
W Chop to E " 81.11

(5)

Water tower to Nobska 25.23
Nobska to W Chop 58-43 { 33.20
W Chop " E Chop 95.59

(6)

Obs to to Nobska 44.07
Nobska to W Chop 81-39 { 37 32
W Chop to E " 101 18

643

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,

#(10)

NOTES RELATING TO STATION NO. .....

Water Tower to Nobska 31° 27
Nobska to W Chop 114.45 83 18
W Chop to E Chop 72° 15

(11)

132.22
Water tower to Nobska 33 27
Nobska to W Chop 98 55
W Chop to E Chop 57 30

(12)

Water tower to Nobska 36° 10
Nobska to W Chop 152.09 115 59
W Chop to E Chop 42 14

(13)

Observatory to Nobska 69 -
Nobska W Chop 196.32 127.32
W Chop E Chop 32 55

(14)

Water tower to Nobska 172.51 39° 47
Nobska to W Chop 133° 03
W Chop to E Chop 28° 30

Observations from Nobska Light
643 the other side

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. Aug 19

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,

Aug. 19 - 1905
Wolaska Lt. Occupied

NOTES RELATING TO STATION NO. .....

West Chop to Falmouth
Observatory 74°36'

West Chop to Falmouth
Water Tower 113°06'

Gas Buoy to W. Chop 110°48

Bell Buoy to W. Chop 47°53'

Indian Hill to W. Chop 61°02'

Norton Pt to W. Chop 56°23'

West Chop to East Chop ? 4°40'
Avg VT

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7456

Date,

Time of day, ( ) ; of tide,

Locality, Observatory to Pollock 50 ft 3

Exact position, Pollock to Two Cove 11456

Ball buoy SE x W 50 yds

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. .....

B
Observatory to Nobska 84°56'
Nobska to Tarpaulin Cove 52°05'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7756

Date, Aug 21

Time of day, 8.25 Haul begins ; of tide, 8.33 Haul ends

Locality, Vineyard Sound

Exact position, A Observatory to Nobska 88°05'
Nobska to T Cove 53°14'

Depth, 11½ fathoms

Nature of bottom, stones & pebbles

Dredging instrument used, 9 ft-trawl & mud box

Direction of drift, ; distance,

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

" of surface water, 69.5 "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 14.50

Barometer reading, 30.03

State of sky, frontly clear

Direction of wind WNW ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C
Observatory to Nobska 80°15'
Nobska to Tarpaulin Cove 54°33'
30 fath out

NOTES RELATING TO STATION NO. 7756

Coral (abundant)
Worms (common)
Few shells

B

Observatory to Nobska 65 05
Nobska " Norton's Pt 80 48
Spur buoy to Obs (cut) 117.40

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7757

Date, Aug 21

Time of day, 8.45 Hand begins ; of tide, 8.53

Locality, Vineyard Sound

Exact position, A Observatory Nobska 68 21
Nobska to Norton's Pt 78 49

Depth, 13 fathoms

Nature of bottom, Stones & shells

Dredging instrument used, 9 ft trawl & mud bag

Direction of drift, ; distance,

Temperature of air, Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10224 "

Number of salinometer, 7450

Barometer reading, 30.03

State of sky, Fresh clear

Direction of wind WNW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C

Observatory to Nobska 63 38
Nobska to Norton's Pt 85 40
Cow buoy to Obs (cut) 131 19
28 fath. at

NOTES RELATING TO STATION NO. 7207

Few shells

B Obs to Nobska 6037
Nobska, Norton Pt 6701
Cut " to Mun bouy 14036

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7758

Date, Aug 21

~~Time of day~~, Hand begin 9.09 ; of tide, Hand ends

Locality, Vineyard Sound

Exact position, A Observing to Nobska 62 —
Nobska to Norton 6922
Depth, 13 — (cut Hand bay to Obs. 14722

Nature of bottom, Stones + shells

Dredging instrument used, 9 ft beam trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 7450

Barometer reading, 3003

State of sky, Clear

Direction of wind West ; force, light

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Observing to Nobska 5859
Nobska to Norton Pt 6602
Nobska to Spar bouy 10015

30 fath Position over bed

(1)

NOTES RELATING TO STATION NO. 2258

Observatory to Nobska ✓ 5643
Nobska to Nortons Pt ✓ 6434
Cut Nobska to Cow bay on ✓ 5430
middle ground

Sulphur sponge (abundant)
Starfish (abundant)
Worms (common)
Many shells

643

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,

11—1068

NOTES RELATING TO STATION NO. 7259

Few sponges
Many starfish
Worms abundant
Shells (common)

B

Nobska to W Chop 30° 28

W Chop E Chop 110 37

643 East E Chop to Sbourg of E Chop 35° 18

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7760

Date, Aug 2

Time of day, 9 A.M. ; of tide, Hauleards

Locality, Vineyard Sound

Exact position, ~~AXH~~ Water tank to W Chop 61° 28

W Chop to E Chop 113° 11

Depth, 8 ft (Cant Cambong H F to E Chop 125 36

Nature of bottom, pebbles & shells

Dredging instrument used, 9 ft beam brush mud bag

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 30 03

State of sky,

Direction of wind Calm ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska W Chop 27° 33

West Chop to E Chop 108 32

E Chop to Sprit bouy off E Chop 41° 18

28 out

(2X)

NOTES RELATING TO STATION NO. 7760

Stobsker WHWT - 7203
Vin Haven W Tower E Chop - 7757
E Chop to Spar Buoy off E Chop - 4217

Worms (common)
Shells (few)
Sculpins & flounders

B Nobska to V H Water Tower 74°22'
V H Water Tower to E Chop 99°42'
Cut W Chop to Spar buoy off W Chop 73°52'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7761

Date, Aug 21

Time of day, 958 ; of tide, Hauling ends

Locality, Vineyard Sound

Exact position, A Nobska to V H W Tow 72°56'
Vin Hav W Tower to E Chop 86°46'
Cut E Chop to Spar off E Chop 38°12'

Depth, 7 fathoms

Nature of bottom, sand & shells

Dredging instrument used, 9 ft trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 30 03

State of sky, Clear

Direction of wind Calm ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska to V H Water Tow 76°52'
Water Tower 10 21 E Chop 111°16'
Cut W Chop to W Chop Spar buoy 13°35'

20

NOTES RELATING TO STATION NO. 7761

crabs (common)
Many shells

643

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. 7762

Starfish (common)
Worms (abundant)
Many crabs
Shells (abundant)
Flounders, sculpins +
pipe fish (very common)

B
Nobska to W. Chop 60° 24
W Chop to E Chop 78 03
Water Tower to W Chop 90 28
[illegible] W Chop in range W Chop [illegible]

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7763

Date, Aug 21 1905

~~Time of day~~, Hand begins 10-43 Hand ends ; of tide,

Locality, Vineyard Sound

Exact position, A Nobska to W Chop 61 01
Wart Chop to E Chop 72 18

Depth, 13 = Cut Canbury on HF E Chop 10222

Nature of bottom, shells + pebbles

Dredging instrument used, 9 ft brown trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10222 "

Number of salinometer, 7450

Barometer reading, 30 05

State of sky, Clear

Direction of wind ESE ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska to W Chop 59° 36
W Chop to E Chop 82° 14
X Water tower to W Chop - 89° 01

NOTES RELATING TO STATION NO. 7763

Few shells

B Nobska to W Chop . 72° 38
W Chop to E Chop 48° 46
Fal W Tower to W Chop 107° 43

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7764

Date, August 21 1905

~~Time of day~~ Haulbegin, 11.05 ; of ~~tide~~ Haulends, 11.13

Locality, Vineyard Sound

Exact position, A Nobska to W Chop 72° 31
West Chop to E Chop 45 55
Fal water tower W Chop 108 20

Depth, 6

Nature of bottom, Sand

Dredging instrument used, 9 ft beam trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 70.5 "

" at depth of fathoms, "

" at bottom, 70 - "

Density at surface, 1.022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1.022 "

Number of salinometer, 7480

Barometer reading, 30 02

State of sky, Clear

Direction of wind ESE ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068.

C Nobska to W Chop 74° 19
W Chop to E Chop 51° 10
Fal W Tower to W Chop 109° 04
15 fathoms out

NOTES RELATING TO STATION NO. 2764

Starfish (common)
Many shells
Surface flounders

B
Nobska to W Chop 80° 52
W Chop to E Chop 59 50
Fal/W Tower to W Chop 114 29

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7765

Date, August 21

Hand bearing ~~Time of day~~, 11.22 ; Hand ends of tide,

Locality, Vineyard Sound

Exact position, A Nobska W Chop 81°10
W Chop to E Chop 55 59
Spar bay off Falmouth to Nobska 60°18

Depth, 13½ fathoms

Nature of bottom, rocky

Dredging instrument used, 9 ft brown trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, 69.5 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 74.50

Barometer reading, 30 02

State of sky, clear

Direction of wind S.E ; force, mod

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska to W Chop 80°41
W Chop to E Chop 63°48
Fal Car bay off Falmouth to W Chop 113°10

30 fathoms out

Cut (3)

NOTES RELATING TO STATION NO. 7765

Nobska W Chop 7354

W Chop E " 3727

Sparbury off Tulmuth

to Nobska 5606

Very few shells

B Nobska to W Chop 75°37
West Chop to E Chop 32 29
Water tower to W 11 58

643 Water tower + Black spar or range

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7766

Date, August 21

Time of day, Hurl begins 11.46 ; of tide, Hardends

Locality, Vineyard Sound

Exact position, A Nobska to W Chop 74 03
W Chop to E Chop 31 41

Depth, 5 fathoms } Sparbury to W Chop 100°48

Nature of bottom, pebbles and sand

Dredging instrument used, Pt Tremont trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 70 "

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 30.04

State of sky, Clear

Direction of wind S.E. ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska to W Chop 78 12
W Chop to E Chop 33 03
Water tower to W Chop 121 07
25 out

NOTES RELATING TO STATION NO. 7766

Few shells

At anchor to locate
bouy 1.10 P.M.
Aug 21 1905

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

A

~~Station No.~~ Nobska W Chop 74° 31

~~Date,~~ W Chop E " 33.30

~~Time of day,~~ ; ~~of tide,~~

Locality, W Chop to H. Fence bouy 63.25

B

~~Exact position,~~ Fal W Tower to W Chop 118° 03

Spar bouy #17 to W Chop 114° 14

~~Depth,~~ E Chop to spar bouy #15 108° 42

~~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,

11—1068

C Can #19 to W Chop M 83° 11

" " E " " 116.48

Red spar bouy #20 to Nobska 113° 05

(over)

NOTES RELATING TO STATION NO. .....

D Obs to Nobska 69 23.5
" " 69 24
" " 69.23.5

E

Katmoets Hts to Gas bouy 75.19
" Obs " Bell " 77.01

F

Nobska W Chop 93°57'
West Chop E Chop 28°28'
Can bouy to Nobska 29°44'

G

Nobska to W Chop 103°35'
West Chop to E Chop 24°55'
Can bouy to Nobska 63°45'

Indian to W C 68°19'
W Chop " Observatory 75 26

Bell bouy 5 Yds N

Indian to W Chop 67°59'
W Chop Obs 66°19'
Gas bouy to Nobska 115°42'

643

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. .....

Aug. 22- 1905

Falmouth Hts. Obs. Occupied

Nobska Lt. - Fal. Walin Tower { 49°-08'
49-10
49-09

Walin Tower - East Chop ? 123°-47'
123 30

Walin Tower - West Chop { 105°-26'
105-21
105-24