7724 - 7766

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 7724 to 7766

yr. 1905

B
Guy Head to Prospect hills 133° 36'
Prospect hills tangent to Cedar tree wreck 69° 42'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7724 ✓

Date, Aug 8 1905

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

Locality, Vineyard Sound

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

Depth, 10 faths

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 Head to Prospect hills 127.29
Prospect tangent to Cedar tree wreck 72° 15'

30 faths out

NOTES RELATING TO STATION NO. 7724

Many hydroids.
Many crabs
Many shells

B Guy Head to Prospect hills 111° 44
Prospect tangent to Cedar tree neck 76° 55'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7725.

Date, August 8 1905

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

Locality, Vineyard Sound

Exact position, A Guy Head to Prospect 116° 32'
Prospect to tangent Cedar tree neck 75 49

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, 65 "

" 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 Calm ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Guy Head to Prospect hills 108° 59
Prospect hills tangent to Cedar tree neck 76° 25'

25 fathoms

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 ; of tide, Hurl days Hurl ends

Locality, Vineyard Sound

Exact position, G.H. Head to Prosp 105 24
Prospect hills to Tarpaulin Cove 110 35

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. 7776

Many starfish
Fish shells

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

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7727

Date, Aug 8 1905

Time of day, 10 01 ; of tide, Haulands

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 trawl + 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. ?????

Many sand dollars
Few shells

B Prospect to Pasque 104° 51'
Pasque to Guy Heard 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 Guy Heard 83° 03'
Prospect hills E 1/4 N

Depth, 8

Nature of bottom, stiff clay

Dredging instrument used, Ft Hamilton 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, 73000

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 Guy Heard 90° 57'
Prospect hill E 1/2 S

B Guy Head & Prospect 134 3
Guy Head to Prospect 1 Lefthurgent 50 5½
Cedar Neck
643 Guy Head SW x W ¾ W

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
Prospect 10½ E x S ⅜ S

Depth,

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,

11—1068

C Guy Head to P 129 24
Prospect to Tangent Cedar Neck 51 59
Guy Head SW x W ½ W

25 fathoms out

NOTES RELATING TO STATION NO. 7729

Many sand dollars
Many crabs
Fair shells

B
Prospect to Pusque 97° 27'
Pusque to Gay Head 115° 52'
Gay Head SW x W ½ 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 Gay Head 87° 59'
Gay Head W x S ⅝ 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 Gay Head 118 41
SH SW x W ¼ W

NOTES RELATING TO STATION NO. 7730

Sponges (common)
Hydroids (common)
Chals (common)
Few shells

B — Transit SW to Nashawena 42° 05'
Nashawena to Cuttyhunk 29 46

643 Gay Head S x W ½ 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, Transit SW Nashawena 42 17
Nashawena to Cuttyhunk 30 06
Gay Head S x W ½ W

Depth, 12 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 9 ft trawl & small 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, 1.0202 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1.0202 "

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Partly cloudy

Direction of wind SW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Transit SW Nashawena 41° 35'
Nashawena to Cuttyhunk 29° 39'
30 fat Gay 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, 1.26 ; of tide, 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, 64 "

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—10

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 (attached)
Many shells

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7733

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. 7733

Fine shells

B
1 Cover to Nanshon S.N. 31° 47'
Nanshon SW to Pasquer 48° 48'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7734

Date, Aug 10

Time of day, 2 14-30 Hardend ; of tide, 2 22

Locality, Vineyard Sound

Exact position, A 1 Cover to Nanshon S.N. 31° 18'
Nanshon SW to Pasquer 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 Cover to Nanshon SW 31° 30'
Nanshon SW to Pasquer 45 55

25 fathoms out

NOTES RELATING TO STATION NO. 2234

Few starfish
Few shells

B
Guy Herod 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 Herod 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, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10224 "

Number of salinometer, 7450

Barometer reading, 30 in

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

NOTES RELATING TO STATION NO. 7235

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 Cover 32° 31
" NW x W ¼ W

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7737

Date, Aug 12

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

Locality, Vineyard Sound

Exact position, A Nobska Pt to Naushon 120 51
Naushon to Tarpaulin Cover 32.08
Naushon NW x W ⅜ 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, 7460

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 Nobska Pt to Naushon 110° 15'
Naushon to Tarpaulin Cover 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 7136
" N x W 3/4 W

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7738

Date, Aug 12 1905

Time of day, 9.25 Hudbaum ; of tide, 9 2 9 Hauland

Locality, Vineyard Sound

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

Depth, 12 -

Nature of bottom, sand + gravel

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, 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

Bio fish net

NOTES RELATING TO STATION NO. 2738

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

B Nobska to Naushon 70°36
Naushon to Naushon SW 61°06

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7739

Date, Aug 12th 1906

Time of day, 9.42 Haul begins ; of tide, Haul ends 9.57

Locality, Vineyard Sound

Exact position, A Nobska Pt to Naushon 74°21'
Naushon to Tar Cove 37°56

Depth, 8'

Nature of bottom, Hard sand + gravel

Dredging instrument used, 9ft trawl trawl 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, fresh

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nobska to Naushon 67°14
Naushon to Tar Cove 34°38

28 out

NOTES RELATING TO STATION NO. 7739

Many worms
Many shells

B Cape Higgins to Indian 78 33
Indian to Stanton's Pt 46 22

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7740

Date, Aug 12 1905

Time of day, 9.57 ; of tide, Hawkins 10.65

Locality, Vineyard Sound

Exact position, A Cape Higgins to Indian 73 16
Indian to Stanton's Pt 48 07

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's Pt 43 10

45 cut

NOTES RELATING TO STATION NO. 7740

Few shells
Few puffers + flounders

B

Prospect to Indian 10 8 37
Indian to Norton's Pt 21 02

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7741

Date, Aug 12 1905

Time of day, Hawthorne 10.25-30 ; of tide, Hawlands 10.34

Locality, Vineyard Sound

Exact position, A Prospect to Indian 11 22 23
Indian to Norton's Pt 22.27

Depth, 15 fathoms

Nature of bottom, Hard sand & shells

Dredging instrument used, 9 ft trunk & 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, ~~64~~ 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 Norton's Pt 21 30
80 fathoms
Cut Prospect to Bay 9 2 35

NOTES RELATING TO STATION NO. 2241

Dredge caught in track
Few shells

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

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 77 X 2

Date, Aug 17

Time of day, 8-29 Hand bags ; of tide, 9 Hand ends

Locality, Vineyard Sound

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

Depth, 9 1/2 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 Naushon 97°42
Naushon " " SW 38 01

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7743 ✓

Date, Aug 1st

Time of day, 8.50-30 ; of tide, Haul begins Haul ends 8.54

Locality, Vineyard Sound

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

Depth, 10 ½ fathoms

Nature of bottom, Rocky.

Dredging instrument used, Oyster rake

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 69 "

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° fathoms

NOTES RELATING TO STATION NO. 2743

Sponges (common)

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

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7744

Date, Aug 17

Time of day, 9.12 Hauld begins ; of tide, 9.20 Hauld ends

Locality, Vineyard Sound

Exact position, A Nob to Tow Cove 90° 58'
Tarpaulin to Nashawena 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, 7450

Barometer reading, 3005

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 Nashawena 32 32

31 fathoms

NOTES RELATING TO STATION NO. 7744

Star fish (common)
Worms (common)
Many shells

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,

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, 9.33 ; of tide, 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 Frame 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, 7450

Barometer reading, 30.05

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 73°17
Nausham to SW 29°52
35 out

NOTES RELATING TO STATION NO. 7745

Sulphur sponge (abundant)
Few shells

B
Gay Head to Norton's Pt 40°09'
Norton's Pt West Chop 83°19'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7746

Date, Aug 17

Time of day, 10-20 ; of tide, Hauland

Locality, Vineyard Sound

Exact position, A Gay Head Norton Pt 4826
Norton's Pt to West Chop 7834

Depth, 14 fathoms

Nature of bottom, Heard Sound

Dredging instrument used, 7 ft beam 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 "

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 Tarpaulin 2833
Tarpaulin to West Chop 92°18

3 ft fathoms [illegible]

NOTES RELATING TO STATION NO. 7746

Few sponges
Few shells

B
Guy Herard 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 Guy Herard 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. 2747

Worms (common)
Shells (very few)

B Observatory to Nobska 79°47
Nobska to Tar Cove 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 faths

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, 10224 "

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 Tar Cove 37 08
30 fathoms

NOTES RELATING TO STATION NO. 7748

Few shells

B

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

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 77 K9

Date, Aug 17

Time of day, 1058 ; of tide, Hard ends

Locality, Vineyard Sound

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

Depth, 10½ fathoms

Nature of bottom, Hard sand

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, 64 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 74.50

Barometer reading, 30.40

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 Tow 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 ; of tide, 11.20

Locality, Vineyard Sound

Exact position, A Observatory to Nobska 50° 33'
Nobska to Tow Cove 56 48
Cut - 86 07 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. 2287

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

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 trail & mud 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, 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. 2251

Dredge caught in rocks
Flat sand without stone
Position B
Worms (common)
Many shells

B
Observatory to Nobska 31 57
Nobska to Tar Cove 86 11
7507

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7752

Date, Aug. 17

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

Locality, Vineyard Sund.

Exact position, A Observatory to Nobska 32° 42'
Nobska to Tar Cove 87 32
7648

Depth, 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, Liberian

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 Tarfrantin 85 43

3 ft fath. cut

B Nausbon 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, Hail ends

Locality, Vineyard Sound

Exact position, A Nausbon 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, 10218 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 Nausbon SW to Indian 64 34
Indian to West Chop 71 22

NOTES RELATING TO STATION NO. 7253

Coral (common)
Fur sand dollars
Shells (common)

B
Indian to West Chop 73 27
West Chop to Observatory 62 43

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7754

Date, Aug 17

Time of day, 2 — 01 ; of tide, Hauteville Hauteville

Locality, Vineyard Sound

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

Depth, 13½ fathoms

Nature of bottom, pebbles and sand

Dredging instrument used, 7 ft beam trawl & 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, 10216 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10218 "

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 Indian to West Chop 72 02
West Chop to Observatory 62 22

30 fathoms 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, 2-30 Haul begin ; of tide, Haul ends 10.41-30

Locality, Vineyard Sound

Exact position, A Observatory to Nobska 95 43
Nobska Naushon SW 61 26

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 " 67.5 / 70.5 / 68.5

" at depth of fathoms, "

" at bottom, 70 "

Density at surface, 10218 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022 "

Number of salinometer, 7450

Barometer reading, 3010

State of sky, Clear

Direction of wind E&E. ; force,

Rain,

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 no 60.4 ft

Norkins Pt to W Chop 57.51

W Chop to Nobska 59.32

Gas buoy 75 yds W Pt

Locating bouys

NOTES RELATING TO STATION NO. .....

Angles to cuts on Fahrenheit Observatory

(1) (50.00)

Observatory to Nobska 31.42
Nobska to W Chop 18.18
W Chop " E Chop 22. } 40.18

(2) 6

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 65-65 { 26.40
W Chop to E " 68.20

(4) (Reject all cuts)

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

(5)

Watertower 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

(7)
Water tower to Nobska 27.40
Nobska to W Chop 76-01 48.21
W Chop E Chop 100 25

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No.

Date,

Time of day, ; of tide,

Locality, (8) W Tower to Nobska 28.36 (85-01)

~~Exact position~~, Nobska W Chop 56-25
W Chop to E Chop 95 17

~~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, (9)

11—1068

Obstructing to Nob 51 —
Nob to W Chop 64-12
W Chop to E. 89 12
Read Cam off W Chop in trawage W Chop

#(10)

NOTES RELATING TO STATION NO. .....

Water Tower to Nobska 3° 1' 27
Nobska to W Chop 112.45 8 3 18
W Chop to E Chop 7° 2' 15

(11)

132-22
Water tower to Nobska 3 3 27
Nobska to W Chop 9 8 55
W Chop to E Chop 5 7 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 to W Chop 196.32 127.32
W Chop to 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 Mobeka Light
See other side

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Aug 19

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,

Aug. 19 - 1905
Nobska 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

Aug 21

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. ~~7756~~

Date,

Time of day, (1) ; of tide,

Locality, Observatory to Nobska 50.43

Exact position, Nobska to Two Cove 11456

Bell bouy N 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,

11—1068

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 bag

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, 1022 "

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
Spar buoy to Obs (cut) 117.40

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7757

Date, Aug 21

Time of day, 8.45 ; of tide, 8.53

Locality, Vineyard Sound

Exact position, 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, Fairly 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 [illegible]

NOTES RELATING TO STATION NO. 7707

Few shells

B Obs to Nobska 6037
Nobska . Norton Pt 6701
Cut " to Nuremberg 14836

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7758

Date, Aug 21

Time of day, 9.09 ; of tide, Haulbeam Haulands

Locality, Vineyard Sound

Exact position, A Observatory to Nobska 62 —
Nobska to Norton 6922

Depth, 13 — (cut Nuremberg 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, 30 03

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 Observatory to Nobska 5859
Nobska to Norton Pt 6602
Nobska to Sprinkbury 10015

30 fath Position over bent

(1)

NOTES RELATING TO STATION NO. 2257

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

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

B Nobska W Chop 6536
W Chop to E Chop 9540
Hunt bouy and W Chop in range

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7759

Date, Aug 21

Time of day, 925 Haulands ; of tide, 933

Locality, Vineyard Sound

Exact position, Observing Nobska 5305
Nobska Norton Pt 6115

Depth, 11½ ft Cow bouy to E Chop 7850

Nature of bottom, Hedge Fence sand + stones

Dredging instrument used, 9 ft trunk + 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, 10222 "

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 W Chop 5539
W Chop E Chop 10555
Cut Cow bouy on Hedge fence to E Chop 9212

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 11 0 37

643 East E Chop to Sharp of E Chop 35 18

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7760

Date, Aug 21

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

Locality, Vineyard Sound

Exact position, Water tank to W Chop 61° 28

W Chop to E Chop 113° 11

Depth, 8 ft (Canvas) 1 Ft 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 Sparkling off E Chop 41 18

28 out

NOTES RELATING TO STATION NO. 2260

Stoboska W HWT ✓ 7203
Vis Haven W Town E Chop ✓ 7787
E Chop to Spring Hoag 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 Sparbury off W Chop 73° 52'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7761

Date, Aug 21

Time of day, 958 ; of tide, Hawlands

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 Sparbury 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 E Chop 111° 16'
Cut W Chop to W Chop-Sparbury 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
min bearing of W Chop in range W Chop lt

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7763

Date, Aug 21 1905

~~Time of day~~, Hand begins 10-45 Hand ends ; of tide,

Locality, Vineyard Sound

Exact position, A Nobska to W Chop 61 01
West 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 Hoeman 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, 3005

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
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, Haulbegins 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. 7764

Starfish (common)
Many shells
Lerhal 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

Time of day, 11.22 ; of tide, Hurl bagging Hurlands

Locality, Vineyard/Sound/

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

Depth, 13½ fathoms

Nature of bottom, rocky

Dredging instrument used, 9 ft beam 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 buoy 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

Sparbanny off Tahmuk

to Nobska 5606

Very few shells

B Nobska to W Chop 75°37
West Chop to E Chop 3229
Water tower to W " 11858

643

Water tower & Black [illegible] range

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7766

Date, August 21

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

Locality, Vineyard Sound

Exact position, A Nobska to W Chop 7403
W Chop to E Chop 3141

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

Nature of bottom, pebbles and sand

Dredging instrument used, Pfaff [illegible] & 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, 30.02

State of sky, Clear

Direction of wind S.S. ; 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 3303
Water tower to W Chop 12107
25 ons

NOTES RELATING TO STATION NO. 7766

Few shells

At anchor to locate bouy 1.10 P.M. Aug 21st 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,~~ Fat W Tower to W Chop 116° 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 W- 83° 11

" " " E " " 116.48

Red spar bouy #20 to Nobska 113° 05

NOTES RELATING TO STATION NO. .....

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

E

Fatmaster Hts to Gus bowy 75.19
" Obs " Bell " 77.01

F

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

G

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

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

Bell bowy 5 yds N

Indian to W Chop 67°59'
W Chop Obs 66°19'
Gus bowy to Nobska 115°42'

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. Water Tower $\begin{cases} 49^\circ 08' \\ 49-10 \\ \hline 49-09 \end{cases}$

Water Tower - East Chop ? $\begin{matrix} 123^\circ 47' \\ 123\ 30 \end{matrix}$

Water Tower - West Chop $\begin{cases} 105^\circ 26' \\ 105-21 \\ 105-24 \end{cases}$