7676 [illegible]

7676 - 7723

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 7676 to 7723

yr. 1905

Position b 7690 ?
" a, b, c 7680 "
" 7679 "
" 7711-16 incl. ?
" b 7707 " rejected
" b 7723 " "

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7576

Date, July 17, 1905

Time of day, 3.05 P.M. ; of tide,

Locality, Vineyard Sound, Mass.

Exact position, Gay Head Lt. S.W. ¼ S.

Prospect Hill bears S. E x E. ¼ E.

Depth, 9½ fathoms

Nature of bottom, Hard

Dredging instrument used, 7 ft. beam trawl

Direction of drift, West ; distance, ½ mile

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0222 temp., Celsius. 22.5

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 2979

State of sky, Clear

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

Rain,

Direction of surface current, West ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 Vernon E. West

NOTES RELATING TO STATION NO. 7577a

Flounders - Few large
Crabs - Several
Starfish

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7677

Date, July 17 1905

Time of day, 3-33, 3.45; of tide,

Locality, Vineyard Sound Mass

Exact position, Day Head light S.S.W ½ W

Prospect Hills E S E ⅛ E

Depth, 11½ fath

Nature of bottom, Hard sand

Dredging instrument used, 7 ft brown trawl + small scrap dredge

Direction of drift, West ; distance, ½ mi.

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.02.24 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, clear

Direction of wind SSW ; force, moderate

Rain,

Direction of surface current, West ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Vernon E. West

NOTES RELATING TO STATION NO. 25772

Several sand dollars
1 flounder
Few crabs

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7678

Date, July 17, 1905

Time of day, 4:48-4:58 ; of tide,

Locality, Vineyard Sound, Mass

Exact position, Prospect Hill S. E. x S.
Gay Head Lt. S. W. 3/4 W.

Depth, 12½ fathoms

Nature of bottom, Hard

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

Direction of drift, West ; distance, ½ mi.

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0226 temp., Celsius. 23

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 2979

State of sky, Clear

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

Rain,

Direction of surface current, West ; force,

" of bottom " ; force,

Name and position of observer,

Vernon E. West

NOTES RELATING TO STATION NO. 7678

Large number of starfish
Many crabs
Hermit crabs (numerous)
Sand dollars
Shells

A Intro -

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7679

Date, July 24

Time of day, 2 51.10 ; of tide,

Locality, Vineyard Sound to

Exact position, Pasque to Nashawena 40.07

Nashawena to Gully Trunk 27.05

Depth, 13½

Nature of bottom, Hard sand

Dredging instrument used, 7 ft beam trawl - with small scrape dredge

Direction of drift, ; distance,

Temperature of air, Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1022 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 65.5 "

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " 65.5 ; force,

Name and position of observer,

11—1068

End of haul, 25.930

[illegible] 200 Pasque to Nash 38°.36

" Nash to Gully 11 23°.44

NOTES RELATING TO STATION NO. 7679

Crabs
Shells
Many worms.

Intern
Pasque to Nashawena 33° 45'
Nashawena to Cuttyhunk 22° 20

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7680

Date, July 24

Time of day, 3.10 Haul begun ; of tide, Haul ends 3.19.10

Locality, Vineyard Sound, Mass

Exact position, Pasque to Nashawena 33-22
Nashawena to Cuttyhunk 22 30

Depth, 13½

Nature of bottom, Hard sand

Dredging instrument used, 7 ft-beam trawl
small scrape dredge

Direction of drift, ; distance,

Temperature of air, Fahr. therm. No.,

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 65.5 "

Density at surface, 1.022 temp., Celsius. 19½

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading,

State of sky, freshly cloudy

Direction of wind SW ; force, moderate

Rain,

Direction of surface current, ; force,

" of bottom " 65.5 ; force,

Name and position of observer,

11—1068

28 fathoms
End of haul Pasque to Nashawena 32° 47'
Nashawena to Cuttyhunk 22° 19

NOTES RELATING TO STATION NO. 7680

Many shells
flounders
Few crabs

3.50
Triton Pasque to Nashewena 34° 41'
Nashewena to Cutty hunk 29° 11'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7681

Date, July 24

Time of day, Haul begins 3-44-30 Haul ends ; of tide, 3.56

Locality, Vineyard Sound

Exact position, Pasque to Nashewena 35° 56'
Nashewena to Cutty hunk 31° 05'

Depth, 13½

Nature of bottom, Hard sand

Dredging instrument used, Tf + beam trawl
and small scraper dredge

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 65.5 "

Density at surface, 1.0225 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, " "

Number of salinometer, 74.50

Barometer reading, 29.94

State of sky, Partly cloudy

Direction of wind SW ; force, moderate

Rain,

Direction of surface current, wly ; force,

" of bottom " " ; force,

Name and position of observer,

11—1068
3.56
End of trawl Pasque to Nashewena 33° 05'
Nashewena to Cutty hunk 28° 08
30 fathoms out

NOTES RELATING TO STATION NO. 7681

Many crabs
Sulphur sponge
Shell beds

426.
Inlin
Tarpaulin Cove to Nashawena 89° 08'
Nashawena to Gay Head 95 09

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7682

Date, July 24

Time of day, Hand begins 4.21 ; ~~of tide~~, Hand ends 4.30 30

Locality, Vineyard Sound

Exact position, Pasque to Nashawena 37° 40'
Nashawena to Cuttyhunk 19° 07

Depth, 19.

Nature of bottom, Hard sand

Dredging instrument used, Small scrape dredge 7ft beam trawl

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 655 "

Density at surface, 1.0226 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0232 "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, Cloudy

Direction of wind SW ; force, moderate

Rain,

Direction of surface current, wtly ; force,

" of bottom " wtly ; force,

Name and position of observer,

11—1068

Ends of hand
Tarpaulin Cove to Nashawena 91° 09'
Nashawena to Gay Head 89° 37
30 fathoms out

NOTES RELATING TO STATION NO. 7682

Many sand dollars
Several rock eels.

Intern Gay Head to Nashawena 120° 50'
Nashawena to ~~Gay Head~~ Cuttyhunk 60° 11

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7683 ✓

Date, July 26 1905

~~Time of day~~, Haul begins 935 ; of tide, Haul ends 9-13-

Locality, Vineyard Sound Mass

Exact position, Gay Head to Nashawena 127° 48'
Nashawena to Cuttyhunk 61° 07

Depth, 19½ fathoms

Nature of bottom, Hard sand

Dredging instrument used, Scrapie dredge

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 1.0228 temp., Celsius. 185

" at depth of fathoms, "

" at bottom, 1.023 " 66

Number of salinometer,

Barometer reading, 29.96

State of sky,

Direction of wind N N W ; force, moderate

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

End of haul Gay Head to Nashawena 114° 41'
Nashawena to Cuttyhunk 61° 45'

31 fathoms out

NOTES RELATING TO STATION NO. 7683

Beds of sand dollars
Many shells

Intan -
Guy Head to Nashawena 100° 30'
Nashawena to Cutty hunk 57° 33'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 168 X

Date, July 26 1905

Time of day, 9 49 Haul begins ; of tide, 9.58 Haul ends

Locality, Vineyard Sound

Exact position, Guy Head to Nashawena 105 43'
Nashawena to Cutty hunk 59° 40'

Depth, 13½ fathoms

Nature of bottom, Hard sand

Dredging instrument used, 7 ft beam trawl
& brush dredge

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 1.0225 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 1.023 "

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, clear

Direction of wind W.S.W ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

End of haul
Guy Head to Nashawena 94° 13'
Nashawena to Cutty hunk 55° 43'

35 fathoms and

NOTES RELATING TO STATION NO. 7684

Nothing in trawl or dredge

Inter Guy Head, to Nashawena 123° 46'
Nashawena to Cuttyhunk 75° 20'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7685

Date, July 26 1905

Time of day, Haul begins 10-18 ; of tide, Haul ends 10-27

Locality, Vineyard Sound

Exact position, Guy Head to Nashawena 129° 44
Nashawena to Cuttyhunk 75° 42

Depth, 17.

Nature of bottom, Hard sand

Dredging instrument used, 7 ft. beam trawl

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 63 "

Density at surface, 10224 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 10228

Number of salinometer, 7450

Barometer reading, 2996

State of sky, Clear

Direction of wind W S W ; force, moderate

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

End of haul
Guy Head to Nashawena 116° 59'
Nashawena to Cuttyhunk 77° 46
45 int

NOTES RELATING TO STATION NO. 7685

Many squid
Many sand dollars
Several flounders

Inter-Guy Head to Nashawena 99° 44'
Nashawena to Cuttyhunk 71° 15'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7686

Date, July 26 1905

~~Time of day~~, Hand Begin 10.38.30 ; of tide, Hand end 10 48 30

Locality, Vineyard Sound

Exact position, Guy Head to Nashawena 102° 34'
Nashawena to Cuttyhunk 73° 55'

Depth, 17½ fathoms

Nature of bottom, Hard sand

Dredging instrument used, 7 ft Beam trawl & boat dredge

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 63 "

Density at surface, 1.0226 temp., Celsius. 18°

" at depth of fathoms, "

" at bottom, 1023 "

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Clear

Direction of wind W SW ; force, stiff

Rain,

Direction of surface current, W's'ly ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

End of trawl
Guy Head to Nashawena 93° 52'
Nashawena to Cuttyhunk 68° 34'
+5 fathoms

NOTES RELATING TO STATION NO. 7.6.8.6.

Many shells
Few small fish
Several crabs

Intern. Guy Head to Nashawena 103° 07
Nashawena to Cuttyhunk 104° 42

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7687

Date, July 26 1905

Time of day, 11-06-30 Hand Lead; of tide, Hand ends 10.16

Locality, Vineyard Sound

Exact position, Guy Head to Nashawena 105° 11'
Nashawena to Cuttyhunk 109° 25

Depth, 12

Nature of bottom, Hard sand

Dredging instrument used, 7 Arbeaux trawl & boat dredge

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 63.5 "

Density at surface, 1.0224 temp., Celsius. 19.4

" at depth of fathoms, "

" at bottom, 1.0224 "

Number of salinometer, 74.50

Barometer reading, 29.96

State of sky, Clear

Direction of wind NSW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

End of trail
Guy Head to Nashawena 97° 52'
Nashawena to Cuttyhunk 103 23
3 - fuels out

NOTES RELATING TO STATION NO. 7687

F. lom. dis
ascidians

Inter-Guy Head to Nashawena 85° 42
Nashawena to Cutty Hunk 90° 57

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7688

Date, July 26

Time of day, Haul begins 11-24-30; of tide, Haul ends 11.39

Locality, Vineyard Sound

Exact position, Guy Head to Nashawena 90° 36
Nashawena to Cutty Hunk 96° 36

Depth, 13 fath

Nature of bottom, Hard sand

Dredging instrument used, 7 ft beam trawl + boat-dredge

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 63 "

Density at surface, 1.0222 temp., Celsius. 19.5

" at depth of fathoms, "

" at bottom, 1.0226 "

Number of salinometer, 7450

Barometer reading, 29.95

State of sky, Clear

Direction of wind WSW ; force, mod

Rain,

Direction of surface current, Westly ; force,

" of bottom " Westly ; force,

Guy Head to Nashawena 71.30 90° 44
Nash to Cutty

Name and position of observer,

11—1068

Guy Head to
Ernst of Trawl, Nashawena 79° 59
Nashawena to Cutty Hunk 90° 38
10 fath rest

NOTES RELATING TO STATION NO. 2628

Many shells
Small shark

1 Intin –
Nashawena to L.S.S. Cully bunks 69-21
– L.S.S. to Cully bunks 54° 40

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7689

Date, July 26 1905

Time of day, 1 19 ; of tide, Hunt begins Hunt ends

Locality, Vineyard Sound

Exact position, N.S.W. L.S.S. Cully bunks 92 12
Nashawena to Cully bunks L.S.S. 4 6 59

Depth, 9 fathoms

Nature of bottom, Hard sand + rocks

Dredging instrument used, Agatin dredge

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 65.5 "

Density at surface, 1.0224 temp., Celsius. 20

" at depth of fathoms, "

" at bottom, 1.0222 "

Number of salinometer, 74.50

Barometer reading, 29.94

State of sky, Clear.

Direction of wind N.S.W. ; force, moderate

Rain,

Direction of surface current, Westly ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

1c End of hunt N. Nashawena to L.S.S. Cully bunks 59-20
L.S. Cully bunks to Cully bunks 57.46

30 fathoms out

NOTES RELATING TO STATION NO. 7689

Skates
Flounders
Number of starfish

Inter
Guy Head to Nashawena 71° 02
Nashawena to Cuttyhunk 104-21
~~106 57~~

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7690

Date, July 26 1905

Time of day, 1-38-30 ; of tide, Hail ends

Locality, Vineyard Sound

Exact position, Guy Head to Nashawena 70° 11
Nashawena to Cuttyhunk 106-47

Depth, 9

Nature of bottom, ~~Hard sand~~ rocky

Dredging instrument used, 7 ft drawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 1.0224 temp., Celsius 18.8

" at depth of fathoms, "

" at bottom, 1.0222 "

Number of salinometer, 74.50

Barometer reading, 2994

State of sky, frontly clear

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

Guy Head to Nashawena
Nashawena to Cuttyhunk

11—1068

~~End of~~ Guy head to Nashawena 71 14
Nashawena to Cuttyhunk 93 31
3 25-fath out

NOTES RELATING TO STATION NO. 2690

Dredge carried away and trawl net torn

Large amount of sulphur sponge

Inlet
Guy Heard to Nashawena
Nashawena to Cuttyhunk

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7691

Date, July 26 1905

Time of day, Hand begin 1530 ; of tide, Hand ends 2.0310

Locality, Vineyard Sound

Exact position, Guy Heard to Nashawena 69 46
Nashawena to Cuttyhunk 119 59

Depth, 9 fathoms

Nature of bottom, ~~Round sand~~ Rocky

Dredging instrument used, 7 ft trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 69 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 10222 temp., Celsius. 18°

" at depth of fathoms, "

" at bottom, 10226 "

Number of salinometer,

Barometer reading, 2994

State of sky, fairly clear

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

End of hand
Guy Heard to Nashawena 70° 33'
Nashawena to Cuttyhunk 113° 58

NOTES RELATING TO STATION NO. 7691

Washed away
all marks

5
Guy Head to Nashawena
Nashawena to Cuttyhunk

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 769N

Date, July 26 1908

Time of day, 2.18 30 ; of tide, 2.22 30

Locality, Vineyard Sound

Exact position, Guy head to Nashawena 61° 59'
Nashawena to Cuttyhunk 80° 06'

Depth, 9 –

Nature of bottom, Rocky

Dredging instrument used, orphin dredge

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1022.4 temp., Celsius. 18°

" at depth of fathoms, "

" at bottom, 1022.6 "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, Partly cloud

Direction of wind NSW ; force, light

Rain,

Direction of surface current, Nearly ; force,

" of bottom " " ; force,

Name and position of observer,

11—1068

End of trawl
Guy Head to Nashawena 60° 40'
Nashawena to Cuttyhunk 72° 07'
25 mt

NOTES RELATING TO STATION NO. 7692

rocky
Large masses of sulphur spring
Hawl otherwise sp. small

to Guy head to Nashawena 87° 44
Nashawena to Cuttyhunk 132° 59'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. ~~74~~ 7693

Date, July 26 1905

Time of day, Haul begins 2.38 ; of tide, Haul ends 2.47

Locality, Vineyard Sound

Exact position, a Guy head to Nashawena 82° 15
Nashawena to Cuttyhunk 132 50

Depth, 10 fath

Nature of bottom, Hard sand

Dredging instrument used, Ft trawl

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 65.2 "

Density at surface, 10222 temp., Celsius. 18.5

" at depth of fathoms, "

" at bottom, 10234 "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, Fairly cloudy

Direction of wind WSW ; force, Strift

Rain,

Direction of surface current, Easterly ; force,

" of bottom " Easterly ; force,

Name and position of observer,

11—1068

~~Guy head to Nashawena 96° 43~~
~~Nashawena to Cuttyhunk 134 42~~
Nashawena Cuttyhunk SSS 119° 41
SSS to Cuttyhunk 11° 55'

NOTES RELATING TO STATION NO. 7693

Very small trawl

Naushon SW to Nashawena 80° 13
Nashawena to Cuttyhunk 66° 06'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7694

Date, July 24

Time of day, 2.57-30 ; of tide, Hauling

Locality,

Exact position, Naushon SW to Nashawena 46° 37
Nashawena to Cuttyhunk 99-32

Depth, 12½

Nature of bottom, Hard sand

Dredging instrument used, Oregon dredge

Direction of drift, ; distance,

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 10222 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 10226 "

Number of salinometer, 7450

Barometer reading, 29.93

State of sky, Clear

Direction of wind W SW ; force, mod

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Pasque

Naushon SW to Pasque 29° 01
Pasque to Nashawena 82 13
30 fathoms

NOTES RELATING TO STATION NO. 7698

Nothing but empty shells

Naushon SW to Pasque 61° 47'
Pasque to Nashawena 80° 03'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7695

Date, July 26th 1965

Time of day, 3-1933 ; of tide, Hard Dogs Hardends

Locality, Vineyard Sound ~~61 47~~

Exact position, Naushon SW to Pasque 57° 25'
Pasque to Nashawena 90° 38

Depth, 10 ½ fath

Nature of bottom, Sandy

Dredging instrument used, Cyclone dredge

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 1.0222 temp., Celsius. 19.2

" at depth of fathoms, "

" at bottom, 1.022 "

Number of salinometer, 7450

Barometer reading, 29.93

State of sky, Clear

Direction of wind WSW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Naushon SW to Pasque 66.59
Pasque to Nashawena 71.56

No fath out

NOTES RELATING TO STATION NO. 7695

Few sand dollars
and small shells
Few green sea urchins

Naushon SW to Pasque 85° 04'
Pasque to Nashawena 47° 40'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7696

Date, July 26th 1905

Time of day, Hour Hours 3.35 ; of tide, Hour Hours 8.43

Locality, Vineyard Sound

Exact position, a Naushon SW to Pasque 81° 18-
Pasque to Nashawena 56° 28

Depth, 10 —

Nature of bottom, ~~Oyster dredge~~ Sandy

Dredging instrument used, Oyster dredge

Direction of drift, ; distance,

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 1.0222 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 1.0222 "

Number of salinometer, 7450

Barometer reading, 2993

State of sky, Clear

Direction of wind NSW ; force, mod.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

c
Naushon SW to Pasque 81° 31'
Pasque to Nashawena 41° 33'
33 fath

NOTES RELATING TO STATION NO. 7696

Few crabs
Many small shells.

Tarpaulin Cove to Naushon SW 56° 34
Naushon SW to Pasque 45° 39'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7697

Date, July 26 1905

Time of day, 354 ; of tide, Hudson

Locality, Vineyard Sound

Exact position, Tarpaulin Cove Naushon SW 36° 41
Naushon SW to Pasque 66° 33'

Depth, 13 fath

Nature of bottom, Hard sand

Dredging instrument used, 7 ft beam trawl

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 1022 temp., Celsius. 195

" at depth of fathoms, "

" at bottom, 10224 "

Number of salinometer, 7450

Barometer reading, 2993

State of sky, Fairly cloudy

Direction of wind SW ; force, mod

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Tarpaulin Cove to Naushon SW 66° –
Naushon SW to Pasque 32° 47'

NOTES RELATING TO STATION NO. 7697

Several starfishes
Few crabs
Small trawl in
general

b
Nashawena to Guy Head 89° 33'
Guy Head to Prospect 73° 21'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7698

Date, July 28" 1905

Time of day, Haul begins 9 or 2.30; of tide, Haul ends 9.31

Locality, Vineyard Sound

Exact position, a Nashawena to Guy Head 90° 02'
Guy Head to Prospect 75° 27'

Depth, 12 faths

Nature of bottom, Hard sand

Dredging instrument used, 9 ft beam trawl

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 68 "

Density at surface, 10224 temp., Celsius. 19

" at depth of fathoms, "

" at bottom, 10228 "

Number of salinometer, 74.50

Barometer reading, 30.11

State of sky, partly cloudy

Direction of wind SW ; force, light

Rain, misty

Direction of surface current, ; force,

" of bottom " ; force,

d Nash to Guy Head 84 45
Guy Head to Nash 69 56

Name and position of observer,

11—1068

c
Nashawena to Guy Head 87' 06"
Guy Head to Prospect 71° 14'

40 faths out

NOTES RELATING TO STATION NO. 2628

Several crabs
Many shells
Fish rays

b Nashawena to Guy head 91° 08'
Guy head to Prospect 68° 31'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7699

Date, July 28 1905

Time of day, Hour and 9.47 ; of tide, 95 5 30

Locality, Vineyard Sound

Exact position, a Nashawena to Guy Head 87° 35'
Guy head to Prospect 68° 49'

Depth, 10 faths

Nature of bottom, Sand

Dredging instrument used, 9 ft beam trawl

Direction of drift, ; distance,

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

" of surface water, 68 "

" at depth of fathoms, "

" at bottom, 69 "

Density at surface, 1.022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1.0225 "

Number of salinometer, 7450.

Barometer reading, 30.11

State of sky,

Direction of wind SW ; force, light

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

c Nashawena to Guy head 93° 22'
Guy head to Prospect 67° 41
10 ~~35~~ faths

NOTES RELATING TO STATION NO. 7699

Many sand. dollars
Many worms
Crabs (common)
Few shells

b
Nashawena to Guy Herod 98° 39'
Guy Herod to Prospect 64° 17'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7700

Date, July 28 1905

Time of day, 10-06 (Haul begins) ; of tide, 10-18 (Haul ends)

Locality, Vineyard Sound

Exact position, a Nashawena to Guy Herod 92° 20'
Guy Herod to Prospect 66° 35'

Depth, 10 fath

Nature of bottom, Hard sand

Dredging instrument used, 9 ft. beam trawl

Direction of drift, ; distance,

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 1.022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1.0225 "

Number of salinometer, 7450

Barometer reading, 30.11

State of sky, Partly cloudy

Direction of wind West ; force, Lt air

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

c
Nashawena to Guy Herod 99.16
Guy Herod to Prospect 62° 54'
not pictures out

NOTES RELATING TO STATION NO. 7706

Many sand dollars
Many starfish
Many shells

b Nashawena to Guy Heard 101.36
Guy Heard to Prospect 56°31

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7701

Date, July 28 1905

Time of day, 10.29 30 Hand lead ; of tide, 10.42

Locality, Vineyard Sound

Exact position, Nashawena to Guy Heard 101.35
Guy Heard to Prospect 58.19

Depth, 13 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 9 ft - brown bread

Direction of drift, ; distance,

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

" of surface water, 67 "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10224 "

Number of salinometer, 7450

Barometer reading, 30.12

State of sky, fairly clear

Direction of wind W ; force, light

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

d Nashawena to Guy Heard 100°
Guy Heard to Prospect 53°

Name and position of observer,

11—1068

c Nashawena to Guy Heard 101.01
Guy Heard to Prospect 54°45

30 fathoms out

NOTES RELATING TO STATION NO. 7701

Very many sand dolla
Many starfish
Few shells
Several flounders
~~Sponges (~~ cor

Nashawena to Gay Head 104 15
Gay Head to Prospect 66 01

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7702

Date, July 28

Time of day, 11 — ; of tide, 11.12 30

Locality, Vineyard Sound

Exact position, Nashawena to Gay Head 121° 43'
Gay Head to Prospect 68 43

Depth, 13 fathoms

Nature of bottom, 13 fathoms

Dredging instrument used, 7 ft beam trawl

Direction of drift, ; distance,

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1022.5 "

Number of salinometer, 7450

Barometer reading, 30.11

State of sky, cloudy + hazy

Direction of wind SW ; force, lt

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Nashawena to Gay Head
Gay Head to Prospect

Name and position of observer,

11—1068

Nashawena to Gay head 125° 25'
Gay head to Prospect 64 02
35 f alt

NOTES RELATING TO STATION NO. 7702

Sponges (common)
Several coats
Many shells
Foraminifera (common)

Nashuwena to Guy Heard 129° 20'
Guy Heard to Prospect 53°–

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7703

Date, July 28

Time of day, 11.28 Hand begins ; of tide, Hand ends

Locality, Vineyard Sound

Exact position, a Nashuwena to Guy Heard 129 05'
Guy Heard to Prospect 55° 23

Depth, 12 fathoms — 7 fath

Nature of bottom, Hard sand

Dredging instrument used, 9 ft beam trawl

Direction of drift, ; distance, 129° 55' 50° 08'

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 67 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10225 "

Number of salinometer, 7450

Barometer reading, 30.11

State of sky, hazy

Direction of wind Westerly ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

c Nashuwena to Guy Heard 129° 45'
Guy Heard to Prospect 51° 36'
3 fath out

NOTES RELATING TO STATION NO. 2202

Should do 7 fathoms in [illegible] of [illegible]

Many starfish
Many shells

B
Pasque to Nashawena 63° 47'
Nashawena to Cuttyhunk 47° 44'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7704

Date, July 31 1905

Time of day, Hud. begins 9.48-30 ; of tide, Hail ends 9.56 30

Locality, Vineyard Sound

Exact position, a Pasque to Nashawena 72° 12'
Nashawena to Cuttyhunk 43° 23'

Depth, 10½ fath

Nature of bottom, Hard sand

Dredging instrument used, 9ft beam trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 66 "

Density at surface, 1.0223 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1.023 "

Number of salinometer, 7450

Barometer reading, 29.53

State of sky, Cloudy

Direction of wind West ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

b
Pasque to Nashawena 57° 55'
Nashawena to Cuttyhunk 49° 37'
28 fath out

NOTES RELATING TO STATION NO. 7204

Many hydroids
Few crabs
Few shells
Several fish

B Pasque to Nashawena 51° 32'
Nashawena to Cuttyhunk 41° 20'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7705 - ✓

Date, July 31 1905

Time of day, 10.05 Hunt begins ; of tide, Hunt end

Locality, Vineyard Sound

Exact position, a Pasque to Nashawena 53° 47'
Nashawena to Cuttyhunk 43° 55'

Depth, 7½ - 7

Nature of bottom, Hard sand

Dredging instrument used, 9 ft beam trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, ~~10~~ 64 "

Density at surface, 1.0223 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1023 "

Number of salinometer, 7450

Barometer reading, 2953

State of sky, Cloudy

Direction of wind West ; force, W

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

c Pasque to Nashawena 48° 52'
Nashawena to Cuttyhunk 39.53

NOTES RELATING TO STATION NO. 7705

Few shells
Many flounders

B Pasque to Nashawena 41° 52'
Nashawena to Cuttyhunk 37° 24'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7706

Date, July 31 1905

Time of day, Hand begins 10-20-30 ; of tide, Hand ends 10-33.

Locality, Vineyard Sound

Exact position, A Pasque to Nashawena 43' 33"
Nashawena to Cuttyhunk 38° 13

Depth, 13½

Nature of bottom, 9 ft beam trawl + mud bag

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 63 "

Density at surface, 1.0222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1.023 "

Number of salinometer, 7450

Barometer reading, 2953

State of sky, Cloudy

Direction of wind West ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

A Pasque to Nashawena 38° 49'
Nashawena to Cuttyhunk 34° 55'

Name and position of observer,

11—1068

C Pasque to Nashawena 40° 16'
Nashawena to Cuttyhunk 36° 02'
35 feet out

NOTES RELATING TO STATION NO. 7206

Sponges (common)
Many sand dollars
Many starfish
Shells (common)

B rejected
Pasque to Nashawena 28.47
Nashawena to Cuttyhunk 41.20

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7707

Date, July 31 1905.

Time of day, 11 00 (Hurl begin) ; of tide, 11-08 (Hurl ends)

Locality, Vineyard Sound

Exact position, A Pasque to Cuttyhunk 63°41
Cuttyhunk to Gay Head 131-22

Depth, 15

Nature of bottom, Hard sand

Dredging instrument used, 9 ft beam trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 62 "

Density at surface, 1.022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10228 "

Number of salinometer, 7450

Barometer reading, 29.54

State of sky, Cloudy

Direction of wind NNW ; force, 1x

Rain,

Direction of surface current, ; force, A1

" of bottom " ; force,

Name and position of observer,

11—1068

C Pasque to Nashawena 29° 26'
Nashawena to Cuttyhunk 38°25

35 fathoms

NOTES RELATING TO STATION NO. 7707

Starfish (common)
Crabs (common)
Shells (many)

B Pasque to Nashewena 31° 14'
Nashewena to Cuttyhunk 43° 51'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7708

Date, July 31

Time of day, Hand begin 11-17 ; of tide, Hand ends 11-25

Locality, Vineyard Sound

Exact position, A Pasque to Nashewena 30° 23'
Nashewena to Cuttyhunk 41° 34

Depth, 13½ fath

Nature of bottom, Hard sand

Dredging instrument used, 9 ft beam trawl

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 63 "

Density at surface, 1022 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10228 "

Number of salinometer, 7450

Barometer reading, 2994

State of sky, Cloudy

Direction of wind NNW ; force, mod

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 C Pasque to Nashewena 32° 27'
Nashewena to Cuttyhunk 44° 32'

33

NOTES RELATING TO STATION NO. 7708

Crabs (common)
Few shells

B
Pasque to Nashawena 33° 41'
Nashawena to Cuttyhunk 51° 18'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7709

Date, July 31

Time of day, Hauled begin 11-32 ; of tide, Hauled end 11-40-30

Locality, Vineyard Sound

Exact position, A Pasque to Nashawena 33° 35'
Nashawena to Cuttyhunk 48° 02'

Depth, 13½

Nature of bottom,

Dredging instrument used, 9 ft beam trawl to mud bag

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 63 "

Density at surface, 1.0222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10223 "

Number of salinometer, 7450

Barometer reading, 2994

State of sky, Cloudy

Direction of wind N N W ; force,

Rain, Light

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Pasque to Nashawena 34° 43'
Nashawena to Cuttyhunk 53° 15'

30 fathoms out

NOTES RELATING TO STATION NO. 7709

Many starfish
Very many sand dollars
Many crabs
Shells (abundant)

B
Pasque to Nashawena . 27° 51'
Nashawena to Cuttyhunk 71° 53'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7710

Date, July 31 1905

Time of day, 11-49 ; of tide, 12-01

Locality, Vineyard Sound

Exact position, A Pasque to Nashawena 30 26
Nashawena to Cuttyhunk 65 37

Depth, 13½

Nature of bottom, hard sand

Dredging instrument used, Tft beam trawl

Direction of drift, ; distance,

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

" of surface water, 65 " 25° 47' 20

" at depth of fathoms, " 77° 02

" at bottom, 69 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1023 "

Number of salinometer, 7450

Barometer reading, 2994

State of sky, Cloudy

Direction of wind N N W ; force, mod

Rain, light

Direction of surface current, ; force,

" of bottom " ; force,

A Pasque to Nashawena
Nashawena to Cuttyhunk

Name and position of observer,

11—1068

C Pasque to Nashawena 26° 10'
Nashawena to Cuttyhunk 75° 23'
35 fathoms

NOTES RELATING TO STATION NO. 7710

Many sand dollars
Worms (common)
Few crabs
Shells (few)

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7711 –

Date, Aug 21 1905

Time of day, 10 04 ; of tide, 10.12

Locality, Muskeget Channel

Exact position, Middle of Skiffs Island SW 3/4 W
Mutton shoal bouy. S by W 3/4 W

Depth, 7 1/2 fathoms

Nature of bottom,

Dredging instrument used, 7 ft brown brass tanned bouy

Direction of drift, ; distance,

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

" of surface water, 63 "

" at depth of fathoms, "

" at bottom, 65 "

Density at surface, 10228 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10223 "

Number of salinometer, 7450

Barometer reading, 29.89

State of sky, Clear

Direction of wind SW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

25 fathoms out

NOTES RELATING TO STATION NO. 7211

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7712

Date, Aug 11

Time of day, Hand begun 10.23 ; of tide, Hand cont 10-30-

Locality, Muskegat Channel

Exact position, Minton shoal buoy SSW

Skiggs Island SW+W½W

Depth, 8 fathoms - 8½ -

Nature of bottom, Hard sand / + mud bag

Dredging instrument used, Ft-toward / + mud bag

Direction of drift, ; distance,

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 10228 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10228 "

Number of salinometer, 7450

Barometer reading, 2984

State of sky, Clear

Direction of wind SW+W ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

3 > 45 fathoms out

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7713

Date, Aug 2 1905

Time of day, Hand begins 10-42-30 ; of tide, Hand ends 10-50

Locality, Muskegat channel

Exact position, mid-school bouy S x W 5/8 W

Stuffs Island - W x N

Depth, 8 feet - 6½ - 6 - 5½ - 5 - 6

Nature of bottom, Hard sand

Dredging instrument used, 7 ft trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 1.0225 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10227 "

Number of salinometer, 7450

Barometer reading, 2990

State of sky, Clear

Direction of wind Stry W ; force, Stiff

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

25 feet out

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7714

Date, Aug 2

Time of day, 11-04 (Hand begin) ; of tide, 11-11 (Hand ends)

Locality, Muskeget Channel

Exact position, Muskeget - S S E 3/8 N

Skiff's island N 1/2 E

Depth, 13 1/2 -10-

Nature of bottom, Hard sand

Dredging instrument used, 7 ft trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 10225 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10228 "

Number of salinometer,

Barometer reading, 29.90

State of sky, Clear

Direction of wind W SW x W ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

31 feet out

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7715

Date, Aug 2

Time of day, Haul begun 11-21 ; of tide, Haul end 11-29

Locality, Muskeget Channel

Exact position, " E.S.S. E x N.

Mutton shoal bong N E 5/8 N

Depth, 7 fath Cutter Bouge N 2/8 E

Nature of bottom, Hard sand

Dredging instrument used, 7 ft trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 10226 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10226 "

Number of salinometer, 7450

Barometer reading, 29.90

State of sky, Clear

Direction of wind SW SW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

30 f. after out

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7716

Date, Aug 2

Time of day, Hand begins 11-41-30 Hand ends ; of tide,

Locality, Muskeget channel

Exact position, Skiffs island N x E 3/4 E

Muskeget S.S.S. E x E 3/4 E

Depth, 7 fathoms — 6 1/2 — 5 —

Nature of bottom, Hard sand

Dredging instrument used, 7 ft brass + mud bag

Direction of drift, ; distance,

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

" of surface water, 64 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 10224 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10228 "

Number of salinometer, 7460

Barometer reading, 2990

State of sky, Clear

Direction of wind WSW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

B
Naushon SW Nashawena 46° 57'
Nashawena to Cuttyhunk 50° 12'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 77 17

Date, Aug 4 1905

Time of day, 9 52-30 ; of tide, 10 00-30

Locality, Vineyard Sound

Exact position, Naushon SW to Nashawena 45° 16'
Nashawena to Cuttyhunk 52° 46'

Depth, 13½ fathoms

Nature of bottom, Hard sand

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 61 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10228 "

Number of salinometer, 7450

Barometer reading, 30 04

State of sky, Partly cloudy

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C
Naushon SW to Nashawena 48° 15'
Nashawena to Cuttyhunk 48° 27'
30 fathoms

NOTES RELATING TO STATION NO. 7717

Many living sand dollars
Many crabs
Fine shells

B
Nashuwena SW to Nashuwena 43° 59'
Nashuwena to Cuttyhunk 44° 26'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7718

Date, Aug 4 1905

Time of day, Haul begins 10 – 13 30; of tide, Haul ends 10 – 21 – 30

Locality, Vineyard Sound

Exact position, A Nashuwena SW to Nashuwena 43° 32'
Nashuwena to Cuttyhunk 45° 55'

Depth, 14 fathoms

Nature of bottom,

Dredging instrument used, 7 ft Tanner & mud bag

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 61 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1023 "

Number of salinometer, 74.50

Barometer reading, 30.04

State of sky, Fairly low day

Direction of wind SW x S ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Nashuwena SW to Nashuwena 44.17
Nashuwena to Cuttyhunk 43.26
28 fathoms 33 fathoms out

NOTES RELATING TO STATION NO. 7718

Many crabs
Many shells

B

Naushon SW to Nashawena 42° 57'
Nashawena to Cuttyhunk 39° 47'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7719

Date, Aug 4 05

Time of day, 10-31 ; of tide, 10-43

Locality, Vineyard Sound

Exact position, A Naushon SW to Nashawena 4301

Nashawena to Cuttyhunk 4030

Depth, 17 fathoms

Nature of bottom, Hard sand

Dredging instrument used, 7 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 63 "

" at depth of fathoms, "

" at bottom, 62 " 42° 57 38 48

Density at surface, 10225 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1023 "

Number of salinometer, 7450

Barometer reading, 3004

State of sky, Hazy

Direction of wind SW ; force, 11

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Naushon SW to Nashawena
Nashawena to Cuttyhunk

Name and position of observer,

11—1068

C Naushon SW to Nashawena A 42° 57'
Nashawena to Cuttyhunk 39° 15'
39 fathoms and

NOTES RELATING TO STATION NO. 7719

Dead man's fingers (common)
Few sea urchins
Many shells

B Naushon SW to Nashewena 42° —
Nashewena to Cuttyhunk 37° 08

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7720

Date, Aug 4 1905

Time of day, Hand begun 10-54 ; of tide, Hand ent 11-02

Locality, Vineyard Sound

Exact position, A Naushon SW to Nashewena 42° 51'
Nashewena to Cuttyhunk 39° 31'

Depth, 13½ fathoms

Nature of bottom,

Dredging instrument used, 7 ft trawl + mud bag

Direction of drift, ; distance,

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

" of surface water, 62 "

" at depth of fathoms, "

" at bottom, 62 "

Density at surface, 10228 temp., Celsius.

" at depth of fathoms, "

" at bottom, 1.023 "

Number of salinometer, 7450

Barometer reading, 30.04

State of sky,

Direction of wind SW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C 3 Naushon SW to Nashewena 41° 01'
Nashewena to Cuttyhunk 37°-12'

35 fathoms out!

NOTES RELATING TO STATION NO. 7720

Many hydroids
Few crabs
Few shells

B

Naushon SW to Nashawena 33° 15

Nashawena to Cuttyhunk 49° 30

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7721 ✓

Date, Aug 4 1905

Time of day, Hurl begins 11-19-30; of tide, Hurl ends 11-27 30

Locality, Vineyard Sound

Exact position, A Naushon SW Nashawena 32.50

Nashawena to Cuttyhunk 51° 13

Depth, 13½

Nature of bottom, Hard sand small rocks

Dredging instrument used, Pl beam trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 59 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10.23 "

Number of salinometer, 7450

Barometer reading, 30.04

State of sky, Partly cloudy

Direction of wind NSW ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Naushon SW to Nashawena & Cuttyhunk

Naushon

Name and position of observer, Al

11—1068

C.

Naushon SW to Nashawena 33° 47

Nashawena to Cuttyhunk 47° 39

31 fathoms

NOTES RELATING TO STATION NO. 2221

Bottom number of dredge
Many sponges
Few starfish
Few shells

B
Naushon SW to Nashewena 37° 55'
Nashewena to Cuttyhunk 39° 30'

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7722

Date, Aug 4

Time of day, 11-47 ; of tide, Hail ends 11-55

Locality, Vineyard Sound

Exact position, A Naushon SW to Nashewena 37°27'
Nashewena to Cuttyhunk 40°51'

Depth, 13 — fathom

Nature of bottom, Hard sand +

Dredging instrument used, 5 ft [illegible] + mud bag

Direction of drift, ; distance,

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

" of surface water, 66 "

" at depth of fathoms, "

" at bottom, 60 "

Density at surface, 10222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10 20 "

Number of salinometer, 1450

Barometer reading, 30.04

State of sky, Hazy

Direction of wind SSW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

C Naushon SW to Nashewena 38° 12'
Nashewena to Cuttyhunk 38° 28'

NOTES RELATING TO STATION NO. 7222

Many worms
Fine shells

B
Cuttyhunk & SS to Guy Head 90° 22
Guy Head to Prospect Hills 118° 03
rejected.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7723

Date, Aug 4 1905

Time of day, 1.34.30 ; of tide, 10.42.30

Locality, Vineyard Sound

Exact position, Cuttyhunk to Guy Head 77° 59
Guy Head to Prospect Hills 126° 35

Depth, 13

Nature of bottom, Hard sound

Dredging instrument used, 7 ft trawl & mud bag

Direction of drift, ; distance,

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

" of surface water, 65 "

" at depth of fathoms, "

" at bottom, 64 "

Density at surface, 10.222 temp., Celsius.

" at depth of fathoms, "

" at bottom, 10.225 "

Number of salinometer, 74.50

Barometer reading, 30.04

State of sky, Cloudy

Direction of wind WSW ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

c Cuttyhunk SSS Guy Head 88° 24
Guy Head to Prospect Hills 112° 33

35 out

NOTES RELATING TO STATION NO. 7722

Fan shells