8048 to 8095

Vol. 1914

Smooth Copy

FISH HAWK.
8048
TO
8095

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 504

Date, 2/18/14

Time of day, 7[45] 3[07] ; of tide, Ebb.

Locality, Near Spar Buoy 16 C.

Exact position,

Depth, 16 3/4-17-17 1/2-20-20 1/4-20-16

Nature of bottom, soft mud

Dredging instrument used, Beaumont dredge

Direction of drift, S. E. ; distance,

Temperature of air, 4.50 C Fahr. therm. No.,

" of surface water, 1.7 7.45 " "

" at depth of 10 fathoms, 2.45 " "

" at bottom, 15 20 25 3.5 3.7 3.8 " "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.02

State of sky, Overcast

Direction of wind S. E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1324

NOTES RELATING TO STATION NO. 548

Water sample 3.18

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8049

Date, 2/18/14

Time of day 3 42 – 4 P.M.; of tide, Ebb.

Locality, Barrow Is.

Exact position, Spar buoy 16D N x E 1/2 E

Depth, 25-25-20-19-17 1/2

Nature of bottom, Hard bottom

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, S x E 1/2 E distance,

Temperature of air, 3. C 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, 30.02

State of sky, Overcast

Direction of wind S.E.; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart H, 224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8050

Date, 2/19/14

Time of day 8 35 - 8 53 ; of tide, Flood

Locality, Hooper Is light

Exact position, Cedar Pt. WNW 1/4 W.
Hooper Is Lt. SE 3/4 S.

Depth, 20-18-18-15 3/4-13-12 1/2

Nature of bottom, hard mud

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, SxE 1/2 E distance,

Temperature of air, 8.5 C 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, 29.84

State of sky, Overcast rain

Direction of wind SE ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart #1224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8051

Date, 2/19/14

Time of day, 9 a.m. – 9 1/2 ; of tide, Flood

Locality, Hoopers Is light

Exact position, Cedar pt. N. W. 7/8 W

Hoopers Is E 5/8 S.

Depth, 21-20-17 1/2-17 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, N x W. ; distance,

Temperature of air, 8 C 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, 29.84

State of sky, Overcast + rain

Direction of wind SE. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart #1224

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RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8052

Date, 2/19/14

Time of day, 9 55 - 10 10 ; of tide, Flood

Locality, Hoopers Island

Exact position, " " Lt. East.

Spar #16 a NE 3/4 N.

Depth, 20 1/2 - 20 1/2 - 20 - 21 - 21 - 21 - 20

Nature of bottom, soft blue mud

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, SxE ; distance,

Temperature of air, 5. C 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, 29.84

State of sky, Overcast + rain

Direction of wind SE. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart #1224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8053

Date, 2/19/14

Time of day, 11^35 - 11^45 ; of tide, Flood

Locality, Hooper straits

Exact position, Hooper Lt. bears N 1/8 W.

Depth, 23 1/2 - 24 - 24 - 18 1/2

Nature of bottom, soft blk mud

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, SxE ; distance,

Temperature of air, 6.5c Fahr. therm. No.,

" of surface water, 1.9c "

" at depth of 5 1.75 10 fathoms, 2.14c "

" at bottom, 15 2.6 20 - 3.0c 25 3.08c "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.82

State of sky, Overcast & rain

Direction of wind SE. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart #1224

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 2054

Date, 2/19/14

Time of day, 1-45 - 2-16 ; of tide, Ebbing

Locality, R. No Pt. Light

Exact position, Pt. No Pt. light N.N.W. 1/4 W.

Depth, 20 1/2 - 20 1/4 - 17 1/2 - 16 - 15 1/4 - 14 1/4 - 14 3/4 - 16 - 17 - 18 - 18 1/2 - 20 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge S x E ; distance,

Temperature of air, 7.5 C 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, 29.76

State of sky, Overcast + rain

Direction of wind S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 1224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8055

Date, 2~~0~~/21/14

Time of day, 9 56 – 10 17; of tide, Ebb.

Locality, Smith Light

Exact position, Smith Pt. lt. S. S. W.

Bury W 1/2 N.

Depth, 18 3/4 - 12 - 12 1/2 - 13 1/2 - 16 3/4 - 17 - 13 1/2 - 14

Nature of bottom, 13 3/4

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge S. S. E.; distance,

Temperature of air, v. 5°C 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, 30.04

State of sky, Clear

Direction of wind N. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 1224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8056

Date, 2/21/14

Time of day, 10 53 – 11 26 ; of tide, Ebb.

Locality, Smith Pt.

Exact position, " " Lt. N.N.W. 1/8 W.

Bury N x W.

Depth, 20-24-23-18½-16½-15¾-14¼-16¾
17½-20½-21

Nature of bottom, soft blackish mud

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge S¾E ; distance,

Temperature of air, 3. C Fahr. therm. No.,

" of surface water, 2.05 C "

" at depth of 15 2.38 C fathoms, 2. C "

" at bottom, 10 1.98 20 2.45 25 2.45 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.08

State of sky, Clear

Direction of wind North ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1224

NOTES RELATING TO STATION NO. 8056

Began taking water samples at 11.45

Lost weight off water sample machine

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 2057

Date, 2/21/14

Time of day, 1^16 1^35 ; of tide, Ebb.

Locality, Smith light

Exact position, Smith Pt. Lt. SWxW. 3/4 W.
Micomico Lt. WxN. 1/2 W.

Depth, 28-26-25-18 1/2

Nature of bottom, Hard

Dredging instrument used, Beam trawl

Direction of ~~drift,~~ dredge South; distance,

Temperature of air, 4°C 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, 30.09

State of sky, Clear

Direction of wind North; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 1224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 608

Date, 7/21/14

Time of day, 7 10 7 34 ; of tide, Ebb

Locality Off Hermits Point

Exact position, Hermits Lt. N. 3/4 E.
Switch Pt. Lt. N. W. 3/4 W.

Depth, 7 1/2 - 7.7 - 6 3/4 - 6 3/4

Nature of bottom, Hard

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, South distance,

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

" of surface water, 71 "

" at depth of 7 fathoms, 71 "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.10

State of sky, Clear

Direction of wind North; force, 7

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

H 1724

NOTES RELATING TO STATION NO. Gov 8

Water samples 6½ fathoms 7 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8059

Date, 2/21/14

Time of day, 2 55 – 3 14 ; of tide, Ebb.

Locality, Smith Point.

Exact position, Smith Pt. Lt. N x W 5/8 W.
Incomico Lt. W. S. W.

Depth, 27½ – 25 – 25 – 23 –

Nature of bottom,

Dredging instrument used, 30' otter trawl

Direction of ~~drift,~~ dredge N x E ½ E; distance,

Temperature of air, 1. c 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, 30.09

State of sky, Clear

Direction of wind North ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8060 ✓

Date, 2/22/14

Time of day, 8 12 8 38 ; of tide, Flood

Locality, Cornfield Harbor

Exact position, Lookout light E 3/8 S.
Gas buoy W 1/8 S.

Depth, 11 1/4 - 11 1/2 - 11 1/2 - 11 3/4 - 11 1/2 - 10 1/2 - 12 1/4
13

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift,~~ dredge SE 7/8 E ; distance,

Temperature of air, 1 C 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, 30.12

State of sky, Partly clear

Direction of wind S. W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 557

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8061

Date, 2/22/14

Time of day, 11 11 10 27 of tide, Ebb.

Locality, Aft Piney Pt.

Exact position, Piney Pt. N 1/4 W.
St. George Is. E 7/8 S.

Depth, 11 1/4 - 10 1/2 - 12 - 11 1/2 - 11 3/4

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift,~~ dredge N.N.W. 1/2 W.; distance,

Temperature of air, 3. C Fahr. therm. No.,

" of surface water, 1.15 "

" at depth of 5 10 fathoms, 1.45 2.2 "

" at bottom, 14 2.38 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.12

State of sky, Clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 557

NOTES RELATING TO STATION NO. 2061

Water samples at
9.5T – 15 fathoms

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8062

Date, 2/22/14

Time of day, 10 34 - 10 49 ; of tide, Ebb.

Locality, Piney Pt. Light

Exact position, Ragged Pt. Lt. N. W. x W. 1/8 W. - Piney Pt. E. 3/8 N.

Depth, 13 1/2 - 14 - 14 - 15

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge N. W.; distance,

Temperature of air, 4. C 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, 30.12

State of sky, Clear

Direction of wind S. W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 558

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8063

Date, 2/22/14

Time of day, 1 37 1 47 ; of tide, Ebb.

Locality, Blackstone Island.

Exact position, Bkstone St. N. W. x W. 1/4 W.

Red beacon N x E

Depth, 9 - 9 1/2 - 7 - 3 - 7

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, West ; distance,

Temperature of air, 7.5 Fahr. therm. No.,

" of surface water, 1.3 "

" at depth of 5 fathoms, 1.62 "

" at bottom, 7 1.8 "

9 - 1.7

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Clear

Direction of wind S. W. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

558

NOTES RELATING TO STATION NO. 1063

Began taking water samples 1.15 P.M. in 10 fathom water

Beam trawl carried away (line parting) at 1.50 P.M.

Recovered trawl at 2.05 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8964

Date, 2/22/14

Time of day, 2 55 - 3 - 11 ; of tide, Ebb.

Locality, Aff. Wicomico River

Exact position, Cobb Bar Lt. N x E 7/8 E

Cobb pt. Beacon N. N. W 1/2 W.

Depth, 7-7-6 3/4-7-5 1/2-6 1/4-5 1/2

Nature of bottom, Muddy

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, N. W x W 3/8 W. ; distance,

Temperature of air, 80 C 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, 29.98

State of sky, Clear

Direction of wind S. W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 558

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8065

Date, 2/23/14

Time of day, 8 26 9 13 ; of tide, Ebb.

Locality, Lower Cedar Pt.

Exact position, Persimmon Pt. N. 3/8 W.
Spindle N. 3/8 E - Can W x S. 7/8 S.

Depth, 12 - 10 1/4 - 9 1/2 - 9 1/2 - 9 1/4 - 9 3/4 - 10 - 11 1/2
12 1/2 - 17 1/2 - 15 - 14 - 15 1/2 - 16 - 15 1/2 - 13 3/4 - 13 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift,~~ dredge N 1/2 W. ; distance,

Temperature of air, 5 C Fahr. therm. No.,

" of surface water, 4 C "

" at depth of 5 9 fathoms, 5 C .58 C "

" at bottom, 13 1.6 C "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Overcast

Direction of wind N. E. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 559

NOTES RELATING TO STATION NO. 1065

Water samples at

9. 40

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8066

Date, 2/23/14

Time of day, 10 45 – 10 59; of tide, Ebb

Locality, Pope's creek

Exact position, Persimmons Pt. Beacon S. 7/8 W. Mathias Pt. Lt. W. N. W. 1/4 W.

Depth,

Nature of bottom, Beam trawl

Dredging instrument used,

Direction of ~~drift~~ dredge, N. W.; distance,

Temperature of air, 6° C 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, 30.08

State of sky, Overcast. (Snow)

Direction of wind N. E.; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#559

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8067

Date, 2/23/14

Time of day, 11 40 – 11 51; of tide, Slack

Locality, Mattias Point.

Exact position, Upper Cedar Pt. W. 7/8 S.
Mathias St. S. W. 3/4 W.

Depth, 14 – 16½ – 20 – 20 – 10½

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift,~~ dredge West; distance,

Temperature of air, 6. C Fahr. therm. No.,

" of surface water, .05 "

" at depth of 5 .22 10 fathoms, .35 "

" at bottom, 15 .4 18 .4 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.09

State of sky, Overcast (Sunny)

Direction of wind N. E. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#559

NOTES RELATING TO STATION NO. 4067

Water samples
at 1 P.M. 03 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 868

Date, 2/23/14

Time of day, 1^25 - 1^36 ; of tide, Flood

Locality, Maryland Point

Exact position, Maryland St. S. W. 1/8 W.
Somerset Cock SE 3/4 E

Depth, 6 3/4 - 7 1/4 - 10 - 8 - 8 1/2 - 7

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, SW 1/2 W ; distance,

Temperature of air, 6° C 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, 30.09

State of sky, Overcast. (Snowy)

Direction of wind W.C. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#559

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8069

Date, 2/23/14

Time of day, 2 36 - 2 56, of tide, Flood

Locality, Sandy Pt.

Exact position, Liverpool St. dock SSE Buoy. SE 3/4 S.

Depth, 5 - 5 1/2 - 6 - 6 1/4

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, North ; distance,

Temperature of air, 6.C 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, 30.09

State of sky, Overcast (snow)

Direction of wind N.E. ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 559

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8070

Date, 3/18/14

Time of day, 10 41 - 11 02; of tide, Flood

Locality, Off. Annapolis

Exact position, Sandy Pt. N. 3/4 E.
Thomas Pt S W x W.

Depth, 19-18 1/2-17 1/4-16 3/4-14 3/4-12 1/4-9 1/4

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge S. 3/8 W.; distance,

Temperature of air, 48° 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, 29.59

State of sky, Overcast & Cloudy

Direction of wind West; force, 6

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 1225

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8071

Date, 3/19/14

Time of day, 4^10 4^23 ; ~~of~~ tide, Ebb.

Locality, Off. Annapolis

Exact position, Bloody Pt. S 5/8 W.

Thomas Pt. S W x W. 3/8 W.

Depth, 19 1/2 - 19 1/4 - 16 1/2 - 15

Nature of bottom,

Dredging instrument used, 30' Otter trawl

Direction of ~~drift~~ dredge, S 1/2 W.; distance,

Temperature of air, 380 Fahr. therm. No.,

" of surface water, 2.5 "

" at depth of 5 fathoms, 2. "

" at bottom, 10 1.1 15 1.15 20 1.1 temp., Celsius.

Density at surface,

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.04

State of sky, Partly Clear

Direction of wind West ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart #1225

NOTES RELATING TO STATION NO. 8071

Water Samples
at 3.00 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8072

Date, 3/19/14

Time of day, 4 56 5 18 ; of tide, Ebb.

Locality, Bloody Pt.

Exact position, Thos. Pt. Lt. N. W. x N.
Bloody Lt. South.

Depth, 17 17 3/4-17 1/4-19-20-22-28-26

Nature of bottom,

Dredging instrument used, Beam trawl

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

Temperature of air, 35 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, 30.05

State of sky, Overcast

Direction of wind West ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1225

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8073

Date, 3/21/14

Time of day, 7 45 806 ; of tide, Ebb.

Locality, Poplar Island

Exact position, Bloody St. N. N. E 1/2 E.
Herring Bay Beacon W x S.

Depth, 17-15 1/4-15-13-12 1/2-12 1/4

Nature of bottom,

Dredging instrument used, Beam trawl

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

Temperature of air, 24° 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, 30.42

State of sky, Partly clear

Direction of wind N. W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 1225

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8074

Date, 3/21/14

Time of day, 9 33 956, of tide, Eff.

Locality, Tilghman Island

Exact position, Bloody St. N x E 1/2 E

Sharps Is. SE 3/4 S.

Depth, 19 1/2 - 20 - 21 - 20 - 19 3/4 - 18 - 17 - 16 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, S x E 3/4 E distance,

Temperature of air, 32.6 Fahr. therm. No.,

" of surface water, 1.75 "

" at depth of 5 fathoms, 1.75 "

" at bottom, 10 1.6 / 15 1.6 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.44

State of sky, Clear

Direction of wind N. W.; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart #1225

NOTES RELATING TO STATION NO. 2074

Water samples,
915 — 14 fathoms

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8075

Date, 3/21/14

Time of day, 10 23 10 31; of tide, Eff.

Locality, Off Sharp's Island

Exact position, Sharps St. Ex N 1/4 N.
Buoy #18 - S Ex S

Depth, 17-17-18-16 3/4-16

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, S 1/4 E; distance,

Temperature of air, 32 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, 30.45

State of sky, Clear

Direction of wind N. W.; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1225

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8076

Date, 3/21/14

Time of day, 11 28 11 29 ; of tide, E H.

Locality, James Point.

Exact position, Sharp Pt. N. N. E 1/4 E

Buoy #18A - N. 1/2 E

Depth, 10 1/2 - 10 3/4 - 11 1/2 - 11 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge S 3/4 E ; distance,

Temperature of air, 36. Fahr. therm. No.,

" of surface water, 1.65 C "

" at depth of √ fathoms, 1.6 C "

" at bottom, 9 1/2 1.8 C "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.45

State of sky, Clear

Direction of wind N. W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 1225

NOTES RELATING TO STATION NO. 4076

Water samples at
11.20 10 1/2 fms.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8077

Date, 3/21/14

Time of day, 12 40 12 49; of tide,

Locality, Taylor Island

Exact position, Cove Pt. St. S 1/2 W

Sharps Is Lt. N. 7/8 E

Depth, 19 1/2 - 19 - 17 - 11 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift,~~ dredge S 3/4 E; distance,

Temperature of air, 3 40 Fahr. therm. No.,

" of surface water, 2.2 "

" at depth of 5 1.7 10 fathoms, 1.9 "

" at bottom, 15 1.9 18. 1.9 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.45

State of sky, Clear

Direction of wind N. W.; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 1225

NOTES RELATING TO STATION NO. 2077

Water samples at
1.25 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 807 8

Date, 3/21/14

Time of day, 2 25 2 47 ; of tide,

Locality, Cove Pt.

Exact position, Sharps Is. St. Mich.
Cove Pt. St. S W x W. 3/4 W.

Depth,

Nature of bottom,

Dredging instrument used, Beam trawl

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

Temperature of air, 36° Fahr. therm. No.,

" of surface water, 2.5 "

" at depth of 5 fathoms, 1.91 "

" at bottom, 10 1.98 "
15 1.98

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.40

State of sky, Overcast

Direction of wind N. W.; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

1224

NOTES RELATING TO STATION NO. 2078

Water samples at
7:55 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8079

Date, 3/21/14

Time of day, 3 40 – 3 57; of tide, Ebb.

Locality, Off Cove Pt.

Exact position, Cove Pt. H. S. W 1/4 W.

James Pt. N x E 3/8 E

Depth, 8 1/2 - 9 - 8 3/4 - 8 1/4

Nature of bottom, Mud

Dredging instrument used, Beam Trawl

Direction of ~~drift~~ dredge, S 1/2 W.; distance,

Temperature of air, 36° Fahr. therm. No.,

" of surface water, 2.1 "

" at depth of 5 fathoms, 1.7 "

" at bottom, 8 1.75 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.44

State of sky, Overcast

Direction of wind N. W.; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1224

NOTES RELATING TO STATION NO. 8079

Water samples
at 3.30 P.M.
A/w J. Athorns

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 89 80

Date, 3/21/14

Time of day, 4^20 – 4^42; of tide, Ebb.

Locality, Barren Island.

Exact position, Cedar Pt. St. N. W. 1/2 W.

Bury #16E C N.E 1/2 E

Depth, 23 1/2 - 24 - 24 1/2 - 25 - 23 3/4

Nature of bottom,

Dredging instrument used, Beam Trawl

Direction of ~~drift~~ dredge, S W 5/8 S; distance,

Temperature of air, 34° Fahr. therm. No.,

" of surface water, 2.1C "

" at depth of 5 10 fathoms, 2. 19 "

" at bottom, 15. 20. 2.0 2.0 "

Density at surface, 25. 2 temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.43

State of sky, Overcast

Direction of wind N. W.; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Chart # 1224

NOTES RELATING TO STATION NO. 1880

Water samples
at 4:50 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 80 A

Date, 3/22/14

Time of day, 1^35 – 1^45 ; of tide, Ebb.

Locality, Hoopers Island

Exact position, Cove Pt. Lt. N.N. E 3/4 E
Hoopers Id. Lt. S.E. 3/4 S.

Depth, 19 1/2 – 20 – 20 1/2 – 20 1/2

Nature of bottom, Hard

Dredging instrument used, 8' Beam trawl

Direction of drift, S x E 1/2 E ; distance,

Temperature of air, 30° 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, 30.05

State of sky, Partly clear

Direction of wind N.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

1224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 80 82

Date, 3/22/14

Time of day, 1 55 2 11 ; of tide, Ebb.

Locality, off Hoopers Is. St.

Exact position, Cedar Pt. St. N W x W 1/4 W.
Hoopers Id St. S E x E 1/2 E

Depth, 14 1/2 – 15 1/2 – 19 3/4 – 21 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of drift, S. W. ; distance,

Temperature of air, 30° 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, 30.05

State of sky, Partly clear

Direction of wind N.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1224

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 80 A 3

Date, 3/22/14

Time of day, 2 55 – 3 06 ; of tide, Ebb.

Locality, Hoopers Island

Exact position, Pt. No Pt. S W x S.

Hoopers Id. Lt. N. 5/8 W.

Depth, 19 – 19 3/4 – 18 – 16 – 14 3/4

Nature of bottom,

Dredging instrument used, Beam trawl

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

Temperature of air, 30° Fahr. therm. No.,

" of surface water, 2.15 "

" at depth of 5 fathoms, 2. "

" at bottom, 10 2.02 / 15 2.02 / 20 2.05 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.02

State of sky, Partly clear

Direction of wind N E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1224

NOTES RELATING TO STATION NO. Lo P3

Water sample
at 7:37 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8084

Date, 3/22/14

Time of day, 4 4½ of tide, Ebb

Locality, Off. Pt. No. Pt.

Exact position, Tollard Is Bar Lt.
Ex S - Pt. No Pt. WxN.

Depth, 30-16-15-15¼

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of drift, S 5/8 E; distance,

Temperature of air, 32° Fahr. therm. No.,

" of surface water, 2.32 "

" at depth of 5 fathoms, 2.05 "
10 2.22

" at bottom, 15 2.10 "
18 - 2.10

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.01

State of sky, Clear

Direction of wind N.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1224

NOTES RELATING TO STATION NO. Lo 24

Water samples
at 3:45 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 80 85

Date, 3/22/14

Time of day, 4 40 – 4 51 ; of tide, Slack

~~Locality~~, Pt. No. Pt. N. N. W.

Exact position, Pt. Lookout W. S. W.

Locality Point Lookout

Depth, 7 1/2 – 7 3/4 – 8

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ dredge, W. S. W. ; distance,

Temperature of air, 31° Fahr. therm. No.,

" of surface water, 7.15 "

" at depth of 5 fathoms, 7.00 "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.00

State of sky, Partly clear

Direction of wind N. E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

1 1228

NOTES RELATING TO STATION NO. 8085

Water sampler
at 4.35 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 80 A6

Date, 3/23/14

Time of day, 8:03-8:20; of tide, Flood

Locality, Off. Wicomico River

Exact position, Wicomico St. S.W. x W. 1/8 W. - Smith Pt. N.W. 1/2 N.

Depth, 22 - 22 1/2 - 21 1/2 - 18 - 14 3/4

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of ~~drift~~ auage, S 3/4 E, distance,

Temperature of air, 34.0 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, 30.01

State of sky, Partly clear

Direction of wind S.S.W.; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1223

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8087

Date, 3/23/14

Time of day, 9 22 – 9 35 ; of tide, Flood

Locality, Smith Point

Exact position, Nicomico St. W.S.W. 1/4 W.

Smith Pt. St. N x W 1/8 W.

Depth, 23 3/4 – 23 – 22 – 20 – 19 – 18

Nature of bottom,

Dredging instrument used, 30' Otter T.

Direction of ~~drift~~ dredge, S x W. ; distance,

Temperature of air, 35° Fahr. therm. No.,

" of surface water, 2.21 C "

" at depth of 5 10 fathoms, 2.3 2.11 "

" at bottom, 15 20 24 2.11 2.5 2.4 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.01

State of sky, Partly clear

Direction of wind S.S.W.; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1223

NOTES RELATING TO STATION NO. Lu 47

Water samples
at 9 A.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 80 H

Date, 3/23/14

Time of day, 9 45 - 9 56 ; of tide, Flood

Locality, Smith Point

Exact position, Nicomico St. N.W. 1/8 S/8 W.

Smith Point St. N.W. 3/8 W.

Depth, 23-24 3/4-24 3/4 N 3/4 W

Nature of bottom,

Dredging instrument used, 4' hoop net

Direction of drift, N.E. ; distance,

Temperature of air, 35.0 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, 30.02

State of sky, Partly clear

Direction of wind S.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1223

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8089

Date, 3/23/14

Time of day, 12 01 – 12 24, of tide, Flood

Locality, Off Cornfield Harbor

Exact position, Pt. Lookout N Ex E 3/8 E
Wreck Buoy E x N.

Depth,

Nature of bottom, Beam trawl

Dredging instrument used,

Direction of drift, N.W x W. ; distance,

Temperature of air, 42° 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, 30.02

State of sky, Clear

Direction of wind South ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#557

NOTES RELATING TO STATION NO. 8089

Trawl pulled up
foul.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 80 90

Date, 3/23/14

Time of day, 106 1 19 ; of tide, Flood

Locality, Off Cornfield Harbor

Exact position, Pt. Lookout E 7/8 N.
Smith Creek Beacon N x W. 1/8 W.

Depth,

Nature of bottom, Beam trawl

Dredging instrument used,

Direction of drift, W.S.W. ; distance,

Temperature of air, 50° C 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, 30.02

State of sky,

Direction of wind ✓ ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#557

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8091

Date, 3/23/14

Time of day, 2 56 3 11 ; of tide,

Locality, Piney Pt.

Exact position, St. Geo. Pt. E 3/8 S.
Piney Pt St. N. 5/8 W.

Depth, 13 1/2-15-16-16-15 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of drift, N. N. W. ; distance,

Temperature of air, 4 8C Fahr. therm. No.,

" of surface water, 4.1. "

" at depth of 5 fathoms, 7.1 "

" at bottom, 10 2.12 / 13 1/2 1.95 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.02

State of sky, Clear

Direction of wind S. W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#557

NOTES RELATING TO STATION NO. 2091

Water samples
at 7:43 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8092

Date, 3/23/14

Time of day, 3 25 - 3 32; of tide,

Locality, Off Piney Point

Exact position, Piney Pt. Lt. N 1/4 W

St. Geo. Pt. SE x E 5/8 E

Depth, 10 - 9 1/2 - 9 1/4 - 9

Nature of bottom,

Dredging instrument used, Hoop net.

Direction of drift, SE x S; distance,

Temperature of air, 4.8 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, 30.02

State of sky, Clear

Direction of wind S. W.; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#557

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8094

Date, 3/23/14

Time of day, 5 39 5 45 ; of tide, E St.

Locality, N. Blackistone Island.

Exact position, Blackistone St. N 1/2 E
Black Beacon N x E.

Depth, 8 1/2 - 8 1/2 - 9 - 10 - 10 1/2 - 10 - 9 1/2 - 7 1/4

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of drift, – ; distance,

Temperature of air, 4. 8 C Fahr. therm. No.,

" of surface water, 3. 8 C "

" at depth of 5 fathoms, 2. 2 "

" at bottom, 8 2. 1 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.02

State of sky, Clear

Direction of wind S. W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#558

NOTES RELATING TO STATION NO. 4094

Water samples at
√-√10 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. AO 95

Date, 3/24/14

Time of day, 7 55 – 8 08 ; of tide, Ebb.

Locality, Off Cobb Pt.

Exact position, Cobb pt. Lt. N. N. W. 5/8 W.

Gas Buoy # 9A = S. 3/8 W.

Depth, 5 1/2 - 5 - 4 1/4 - 4 - 3 1/2 - 3 - 4 1/4

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of drift, In Circle, distance,

Temperature of air, 3. 8 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, 30. 18

State of sky, Clear

Direction of wind N. ; force, ✓

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

H 55 8