8096 to 8126 incl.

yr. 1914

Smooth Copy

FISH HAWK.
8096
TO
8126

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 96

Date, 3/24/14

Time of day, 9 45 ; of tide, Ebb.

Locality, Lower Cedar Point.

Exact position, Clay S. Dr.

Lower Cedar Pt. N 1/4 W.

Depth, 15-17-11-17-14-17+6 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of drift, N × Dr. ; distance,

Temperature of air, 4.2 Fahr. therm. No.,

" of surface water, 3.6 "

" at depth of 15 fathoms, 2.4 "

" at bottom, 16 - 2.4 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.25

State of sky, Clear

Direction of wind N. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#558

NOTES RELATING TO STATION NO. 8096

Water samples
at 10:07

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8897

Date, 3/24/14

Time of day, 10:57 – 11:10, of tide, Ebb.

Locality, Off Pohick Creek

Exact position, Cersiffyous Pt Beacon

S x W. – Bury S. 24 – N 81/4 E.

Depth, 13½ – 17 – 12½ – 9½ – 7¼ – 12½ – 14½ – 12¼ – 10

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of drift, N 21/2 N ; 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, 30.27

State of sky, Clear

Direction of wind N. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

#559

NOTES RELATING TO STATION NO. .....

Water Sample station

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 2098

Date, 3/24/14

Time of day, 11 25 ; of tide,

Locality, Off Matthias Pt.

Exact position, Off Cedar Pt Dr 1.8 Matthias Pt. S. Dr 8 l.

Depth,

Nature of bottom,

Dredging instrument used, none

Direction of drift, ; distance,

Temperature of air, 4.2 Fahr. therm. No.,

" of surface water, 3.6 "

" at depth of 16 fathoms, 2.75 "

" at bottom, 17 2.45 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.27

State of sky, Clear

Direction of wind N. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

559

NOTES RELATING TO STATION NO. .....

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 80 99

Date, 3/24/14

Time of day, 12 36 12 43 ; of tide, Ebb.

Locality, off Maryland Pt.

Exact position, Somerset Lock SE 7/8 E Maryland Pt. St. S. W. 1/4 W.

Depth, 7 - 7 1/2 - 7 1/4 - 7 1/2

Nature of bottom,

Dredging instrument used, Beam trawl

Direction of drift, ; distance,

Temperature of air, 42 Fahr. therm. No.,

" of surface water, 43 "

" at depth of ✓ fathoms, 43 "

" at bottom, 7 43 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.28

State of sky, Clear

Direction of wind North ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#559

NOTES RELATING TO STATION NO. _____

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 2100

Date, 3/24/12

Time of day, 7:10 of tide, Flood

Locality, Off Sandy Point.

Exact position, Buoy #27 N1/2 W.

Liverpool Arch S 5/8 E

Depth, 5 3/4

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, "

" at depth of fathoms, 4.5 "

" at bottom, 5 4.4 "

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

569

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8101

Date, 3/24/14

Time of day, 3.20 ; of tide, Ebb.

Locality, Off Jamaica

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, N.T ; distance,

Temperature of air, Fahr. therm. No.,

" of surface water, 4.9 "

" at depth of N fathoms, 4.6 "

" at bottom, 10 4.58 "

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,

H N Ts

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8/0 V

Date, 3/24/14

Time of day, 4:15 ; of tide,

Locality, Piscataway Creek

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, S7.5 ; distance,

Temperature of air, Fahr. therm. No.,

" of surface water, — "

" at depth of — fathoms, 48 "

" at bottom, 8 48 "

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,

#1560

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8/03

Date, 4/16/14

Time of day, 1 30 P.M.; of tide, Ebb.

Locality, Off Annapolis

Exact position, Bloody Pt. S7/8W.

Thomas Pt. S. ½ W.

Depth, 14-13 1/2 fms

Nature of bottom, Sh. hd. m.

Dredging instrument used, B.T.

Direction of drift, SxW. ; distance,

Temperature of air, 50 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, 29.64

State of sky, Cloudy

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Jos Neto #5

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8104

Date, 7/16/14

Time of day, 905 - 920 ; of tide, Ebb

Locality, Off Brody Pt.

Exact position, Thomas Pt. N.N.W. 7/8 W.

Brody Pt South

Depth, 14½ - 15¼ - 15¾ - 17 - 14½

Nature of bottom, hard.

Dredging instrument used, B.T.

Direction of drift, SxE ; distance,

Temperature of air, 52 Fahr. therm. No.,

" of surface water, 8.25 "

" at depth of 10 fathoms, 4.18 "

" at bottom, 15 " 4.11 "

20 " 4.11

25 " 4.11

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.64

State of sky, Cloudy

Direction of wind N. W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Water Sample.
1 metre Stramin Net used
at surface
#1225

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8105

Date, 4/6/14

Time of day, 3^25 3^41 ; of tide, Ebb

Locality, Bloody Point.

Exact position, Bloody Pt. Lt. SE 7/8E

Thomas Pt SxE 7/8E

Depth, 22-14 1/2

Nature of bottom, Otter trawl

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 56 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, 29.65

State of sky, Cloudy

Direction of wind N.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1225

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 806

Date, 4/16/14

Time of day, 4^33 4^57 ; of tide, Ebb.

Locality, Off Annapolis

Exact position, Thomas Pt. Bar x W. 3/4 W.

Sandy Pt. N 5/8 E

Depth, 18½-19-17½-19

Nature of bottom,

Dredging instrument used, B. T.

Direction of drift, ; distance,

Temperature of air, 55 Fahr. therm. No.,

" of surface water, 8.46 "

" at depth of 10 fathoms, 5 5.5 4. "

" at bottom, 15 18 3.71 3.71 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.65

State of sky, Cloudy

Direction of wind N. W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Walter Sample

#1225

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 2107

Date, 4/17/14

Time of day, 2.31 P.M.; of tide, Ebb.

Locality, Off Bryllan Is.

Exact position, Bloody Pt. N.N.E. 1/2 E

Bell Buoy #204 S.S.W. 3/4 W.

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

Nature of bottom,

Dredging instrument used, D.T.

Direction of drift, ; distance,

Temperature of air, 50 Fahr. therm. No.,

" of surface water, 61

" at depth of 5 fathoms, 7.11

" at bottom, 10 " 4.55 / 15 " 4.3

6 fms 6.9
7 " 5.6
8 " 4.68
9 " 4.55

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.90

State of sky, Partly clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

water sample 9.30
Tow nets #5

#1225

NOTES RELATING TO STATION NO. 8107

	A.M. 11.30	P.M. 1.30	3.30
Temp. Air fahrenheit	55.7	61	66
" water Surface.	9.6	10.62	9.9
" " 1 fms			
" " 2 "			
" " 2 1/2 "	8.2	7.7	7.65
" " 4 "			
" " 5 "	7.8	7.02	6.78
" " 6 "	6.71	6.5	6.25
" " 7 "	4.81	5.1	5.71
" " 8 "	4.61	5.	5.21
" " 9 "	4.61	4.9	4.8
" " 10 "	4.61	4.81	4.64
" " 15 "	4.37	4.37	4.37

	5.30	7.30	9.30	11.30
Temp. Air	61	63	57	53
water surface	10.	9.4	8.95	8.82
" 1 fm				
" 2 "				
" 2 1/2 "	6.9	7.31	7.95	8.
" 4 "				
" 5 "	6.4	6.84	6.95	7.05
" 6 "	6.22	6.73	6.7	5.65
" 7 "	5.7	6.01	6.15	4.82
" 8 "	5.35	5.65	4.85	4.69
" 9 "	4.87	4.88	4.65	4.62
" 10 "	4.5	4.65	4.57	4.57
" 15 "	4.45	4.38	4.38	4.4

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8108

Date, 4/18/14

Time of day, P21 P31 ; of tide,

Locality, Portlay Sa

Exact position, Gen Bury N ex E 1/2 E.

Mumfo N ex E 3/4 E.

Depth, 5 1/2

Nature of bottom, Sta. S.

Dredging instrument used, D. T.

Direction of drift, ; distance,

Temperature of air, 61 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, 30.13

State of sky, Clear

Direction of wind Sout ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Jos Nelson

#1225

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8109

Date, 7/18/14

Time of day, 10 – 10 10/60; of tide,

Locality, Selchuanx Do.

Exact position, Sta. #1 = E 1/2 N.

Sharp Bk. S.E. 1/2 S.

Depth, 21 – 17 3/4 – 17 1/4

Nature of bottom, Mud.

Dredging instrument used, B.T.

Direction of drift, ; distance,

Temperature of air, 59 Fahr. therm. No.,

" of surface water, 8.47 "

" at depth of 10 fathoms, 7.38 "

" at bottom, 15 " 4.82 "

20 4.71

Density at surface, 7 " 6 temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.14

State of sky, Clear

Direction of wind S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Water Sample at 9:30 a.m.

#1225

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8110

Date, 4/18/17

Time of day, 1127 1037 ; of tide,

Locality, Off Sharp Do.

Exact position, Mew B/F - Do x E 1/8 E

Sharp Do Lt. = E 1/8 N.

Depth, 14 - 13½ - 12¾ - 12 - 11½

Nature of bottom, Hard.

Dredging instrument used, B.T.

Direction of drift, ; distance,

Temperature of air, 60 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, 30.14

State of sky, Clear

Direction of wind SE ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

1275

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8111

Date, 7/18/14

Time of day, 11 46 11 58; of tide,

Locality,

Exact position, Geo. Bury & A. Sorch.

Spar 16 F = 8 S.E. 1/4 E.

Depth, 10 – 10 1/2 – 10 3/4

Nature of bottom, Mud.

Dredging instrument used, B.T.

Direction of drift, ; distance,

Temperature of air, 61 Fahr. therm. No.,

" of surface water, 9.38 "

" at depth of 5 fathoms, 7.6 "

" at bottom, 7 " 6.76 "
9 " 5.98

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.14

State of sky, Clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

water sample 11 30 G.M.

1225

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8117

Date, 4/18/14

Time of day, 12 46 ; of tide,

Locality,

Exact position, Jas. B. 18 A. = N.E.

Spar 1/6 F C. 1/2 N.

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 60 Fahr. therm. No.,

" of surface water, 10.

" at depth of 3 fathoms 8.32 " 1 June 9.86

" at bottom, 6 " 8.64 " 2 " 9.8

Density at surface, 60 temp., Celsius.

" at depth of fathoms, X "

" at bottom, "

Number of salinometer,

Barometer reading, 30.13.

State of sky, Clear.

Direction of wind SE. ; force, 3.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Water Sampler

12.40 P.M.

#12 25

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8113

Date, 7/27/14

Time of day, 1[47] - 2[00], of tide, Ebb.

Locality, Off Wenaspoki

Exact position, Bl. Ridge Lt. S 55 W.
Thomas Lt. N. S. 1/2 N.

Depth, 27 - 21 - 17 - 15 - 14 - 13 3/4

Nature of bottom,

Dredging instrument used, Otter trawl

Direction of drift, South.; distance,

Temperature of air, 60 Fahr. therm. No.,

" of surface water, 12.95 " 27 Jms 5.6
" at depth of 5 fathoms, 8.35 "
" at bottom, 10 " 5.15 " 29 " 9.5
15 " 5.7 "
20 " 5.83

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.95

State of sky, Clear.

Direction of wind N.E. ; force, 3.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Water sample in
27 fathoms 1[15] P.M.
1275

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8114

Date, 4/27/14

Time of day, 2:30 P.M.; of tide,

Locality, Bloodey Pt.

Exact position, Thomas Pt. 7x N. 3/4 N.

Bloodey Pt. S.W. 1/8 S.

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, 17.48 "

" at depth of 5 10 fathoms, 7.77 6.84 " 2/2 fms 10.85

" at bottom, 15 " 5.92 "
20 " 5.95
25 " 5.98

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky, Clear

Direction of wind N.E. ; force, 3.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

water Sample 2:30
10 fathoms
#1725

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8115

Date, 4/27/14

Time of day, 3 45 ; of tide, Eff.

Locality, Poplar Is.

Exact position, Mile Bro = E N E 1/2 C.

Ga Bury 204 = S. W.

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, 11.55 } 6 Jun 7.14

" at depth of 5 9.48 } " 7 " 6.4

" at bottom, 10 6.8 } "

15 " 6.4

17 " 6.45

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.95

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,

Water Sample at 3 45
18 fathoms
1225

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8716

Date, 4/27/14

Time of day, 5.15 ; of tide,

Locality, Selghunaya Is.

Exact position, Sharp. L = 7 EVE S/8 E

Buoy 5 E S/8 E.

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

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

" of surface water, 12.5 " 12½ = 10.82

" at depth of 5/10 fathoms, 8.71 " 7 = 6.73

" at bottom, 15 6.42 6.35 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.95

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

Water Sample at 5 15
12½ fathoms

1775

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8117

Date, 4/23/14

Time of day, 6 30 ; of tide,

Locality, James R.

Exact position, Bury 16F = E.N.E.
Bee 18A. = North

Depth, 10 1/2

Nature of bottom,

Dredging instrument used,

Direction of drift, 61 ; distance,

Temperature of air, Fahr. therm. No.,

" of surface water, 13.05 "

" at depth of 2 1/2 fathoms, 11.1 "

" at bottom, 10 9. 7.3. "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.95

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

Water samples at
6.30 = 10 1/2 fathoms
2.25

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 811 P

Date, 4/27/14

Time of day, P 3 50 ; of tide, Ebb.

Locality, off Patuxent River

Exact position, Cove Pt. N. Dr.

Cedar Pt. S. Dr. Dr. 3/4 Dr.

Depth, 27½ fathoms

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 57 Fahr. therm. No.,

" of surface water, 1 r. " 27½ fms = 1 ulf

" at depth of 10 fathoms, 7.25 " 7.82 "

" at bottom, 15 " 8.3 "

Density at surface, 20 " 8.38 temp., Celsius.

" at depth of 25 fathoms, 8.4 "

" at bottom, "

Number of salinometer,

Barometer reading, 29.97

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,

Water Sample

27½ fms P 3 50 to P 5 50 P.M.

#1224

NOTES RELATING TO STATION NO. .....

	⊕ 10.30	⊕ 12.30	1:30
Temp air	78	57	56
" Surface	12.	11.55	11.35
" 2 fms.	11.78		
" 3 "	8.6	9.6	11.2
" 4 "	7.72		
" 5 "	7.73	7.77	7.42
" 10 "	7.95	7.78	7.82
" 15 "	8.3	8.3	8.4
" 25 "	8.4		
⊕ Com. @ 10:30 - finished @ 11. A.M.			
⊕ " @ 12.30		" @ 12.50 "	
" @ 2.30		" @ 2.50 "	
	⊕ 4.30	⊕ 6.30	+ 8.30
Temp. Air	57	57	60
" Surface	11.7	11.49	11.8
" 2 fms.			12.3
" 3 "	11.82	11.72	12.4
" 4 "			10.05
" 5 "	10.5	10.37	9.8
" 10 "	7.9	7.75	7.75
" 15 "	8.45	8.35	8.4
" 20 "	8.5	8.58	8.5
" 25 "		8.5	
⊕ Com at 4.30 P.M. finished @ 5 P.M.			
# " 6.30		"	7 P.M.
+ 8.30		"	9 P.M.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 919

Date, 4/28/14

Time of day, 9.13 ; of tide,

Locality, Barrey Ds.

Exact position, Core Pt. N. Br.

Cedar Pt. S. Br. S/Pt.

Depth, 18 - 24½ - 23 - 18

Nature of bottom,

Dredging instrument used, B.T.

Direction of drift, N. Br × Br. ; distance,

Temperature of air, 60 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, 30.10

State of sky, Cloudy

Direction of wind N.N.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

H 1123

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8120

Date, 4/28/14

Time of day, 9 50 / 10 N.; of tide,

Locality, above Stanpers I.

Exact position, Upper Cft. S.E. 1/4 E

Cedar Pt. 2.2 x 20.3 pr.

Depth, 23.20 1/2 - 21 - 19 3/4

Nature of bottom,

Dredging instrument used, B.T.

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

Temperature of air, 62 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, 30.10

State of sky, Cloudy

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

#1224

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. A 21

Date, 4/28/14

Time of day, 11 07 11 20; of tide, Ebb

Locality, Below Hoopers St.

Exact position, Hoopers Is. N.E. 3/4 N. Spar 16 C. – N. 1/4 E.

Depth, 20-19½ – 20-20½

Nature of bottom,

Dredging instrument used, B.T.

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

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

" of surface water, 3 Fah 10 56 P. P2 "

" at depth of 10 fathoms, 12 P.12 "

" at bottom, 15 P.79 "
18 P.P

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.11

State of sky, Barely clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Ebb tide full down 3 fathoms Water sampler 10 30 A. M. 20 fathoms #1724

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8/rV

Date, 4/28/14

Time of day, 11V 1401; of tide, Ebb

Locality, Bloodsworth I.

Exact position, Ft. No Pt. S. Dr. 1/4 M.
Harper Lt. N. 3/8 W.

Depth, 19/2.

Nature of bottom,

Dredging instrument used, B. T.

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

Temperature of air, 67 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, 30.11

State of sky, Clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

H 1424

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. P/r 3

Date, 4/28/14

Time of day B.T. 10 2 / 17 B.T. 1.42 / 5.7 of tide,

Locality, Off Pt. No Pt.

Exact position, Pt. No Pt. N. N. E. 3/4 E.

Buoy 16 = S x E 1/2 E.

Depth, B.T. 21 - 16 - 15 - 14 3/4 | 13 1/2 - 13 3/4 - 14 - 16 - 20 - 17 B.T. / O.T.

Nature of bottom,

Dredging instrument used, B.T. and O.T.

Direction of drift, ; distance,

Temperature of air, 66 Fahr. therm. No.,

" of surface water,	13.4	9.55	1 Surf.	12.41
			2 "	11.3
" at depth of 10 fathoms,	8.92		3 "	11.85
			4	10.5
" at bottom,	15 / 19 1/2	9.02 / 9.02	6 "	8.8
			7 "	8.63

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.11

State of sky, Clear

Direction of wind N. N. E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Water Sample 12 30
20 fathoms
#1224

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8/24

Date, 4/28/14

Time of day, 3 35 – 3 45 ; of tide,

Locality, Mouth Potomac

Exact position, Sewell Pt. S 3/4 W.

Buoy #14 – S x W. 1/2 W.

Depth, 15 – 14 3/4 – 13 – 11 3/4 – 12 1/4

Nature of bottom,

Dredging instrument used, B. T.

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

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

" of surface water,	14.24	1 fwo	13.75
" at depth of 4 fathoms,	10.4	2 "	12.6
" at bottom, 10 / 14 1/2	9.45 / 9.32	3 "	10.9

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.11

State of sky, Clear

Direction of wind N. N. E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Water Sample 3 15

15 fathoms

1224

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8125

Date, 4/28/14

Time of day, 10 20, of tide,

Locality, off Smith Pt.

Exact position, S. P. light N 3/8 W.

Occoneechee Lt. (W. S. W. 1/2 W.

Depth, 25-17-15-13 1/2-13 1/4

Nature of bottom,

Dredging instrument used, B. T.

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

Temperature of air, Fahr. therm. No.,

" of surface water, 13.5 " 3 fans 17.25

" at depth of 5 11.5 " 10 fathoms 9.88 "

" at bottom, 15 " 9.52 "

20 " 9.36

Density at surface, 24 - 9 temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.11

State of sky, Clear

Direction of wind S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Water Sample 4/50
25 fathoms

NOTES RELATING TO STATION NO. 125

Bearings final of
average

L. P. N x W. 1/4 W.
Bury Cig = N 1/8 E

(Not plotted no chart)

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 8126

Date, 5-2-12

Time of day 8^45 – 8^55 am ; of tide, Flood

Locality, Smith Point

Exact position, Smith N × W 3/8 N

Buoy #19 N/4 W

Depth, 25 fms

Nature of bottom, Hard mud

Dredging instrument used, 8' Beam trawl

Direction of drift, ; distance,

Temperature of air, 54 Fahr. therm. No.,

" of surface water, 13.100 "

" at depth of 5 fms 12.190 " 10 fathoms 10.760 "

" at bottom, 15 10.300 " 20 9.920 "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.29

State of sky, Clear

Direction of wind East ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

In 25 fathoms water at 8^05 am