8497-to-8545

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 8497 to 8545

Dredging Record

1222

Station No. 8497 Date: 4 21 191

Hour: 10 45 A. M. to 3 P. M.

Position: Lat. 37° 00' 33" Long. 76° 15' 25"

Locality: Thimble S. Light E x N 3/2 N
C. Buoy No 15 S.E 1/8 E

Depth: 15 1/4 F Bottom: Hard Sample:
~~Boston~~ Shells & Mud, marine growth

Wind: Direction, S.W. Force, 3-4

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	57.0				+	
3	109749	54.9				+	1
5	109749	54.0				+	1
10	80479	54.0				+	2
18	109749	51.1				+	1
26	98267	47.8				+	3
15	98267	51.8					3

1

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.I & M.B. 5"	15-10	Am 11 15	Still down	
#5 Silk Net	Surf	11 15	11 30	
#20 " "	Surf	11 2	11 30	
Btrawl & M.B.	10½-11	2 14 PM	2 36 PM	
Welsh Net	10-10½	2 45 PM	2 52	

11—5314

NOTES

(Course Dredging) S.E. 1/2 E

Beam Trawl & Mud Bag caught on bottom, could not be hoisted, cable cut, trawl and mud bag lost.

P.M.

Dredging Course E x N

Tide Ebbing

1

1222

Station No. 8499 Date: 4/22/ 1916

Hour: 6 38 A.M. to 7 20 A.M.

Position: Lat. 36° 57' 06" Long. 75° 59' 56"

Locality: Cape Henry St SW x S 3/4 S. St Ship N 3/4 W.

Depth: 12 3/4 F. Bottom: Hard Sample:

Wind: Direction, West Force, 2

Sea: Gentle Swell Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	52.0				g +	
7	109749	51.0					1
15	80479	45.5				+	2
22	98267	43.9				+	3
9	98267	49.1				g +	3
18	80479	44.5				g +	2

3

no water sample at 7 meters

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
1/2 Meter Vertical	13-0	6 58	6 59	
Beam Trawl & M.B.	13-11 1/2	7 07	7 17	
#5 Silk Net	Sur	7 07	7 17	
#20 " "	Sur	7 07	7 17	

11—5314

NOTES

(ENE to S.E)

(Course Dredging)

Mud Bag. Carried away

(lost)

Tide flooding

1222

Station No. 8500 Date: 4/22/16 191

Hour: 8 00 A. M. to 8 50 A. M.

Position: Lat. 36° 59' 45" Long. 76° 00' 34"

Locality: Ft. Ship S 3/8 E Cap Hen S 1/4 W. Whistling Buoy S W X W 1/4 W

Depth: 9 F. Bottom: Hard Broken Shells Sample:

Wind: Direction, N.W. Force, 2

Sea: Gentle Swell Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	53.9				g+	
5	98267	47.9				+	3
3	80479	52.9				+	2
13	80479	47.0				+	2
9	98267	46.3				g	3

4

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.T. & M.B.	9 1/4-8	8 35	8 43	
#5 Silk net	Surf	8 35	8 43	
#20 " "	Surf	8 35	8 43	

11—5314

NOTES

(Course Dredging)
S X E 1/2 E

Tide flooding

1222

Station No. 8501 Date: 4/22/16 191

Hour: 9 09 A. M. to 9 30 A. M.

Position: Lat. 37° 01' 09" Long. 75° 59' 20"

Locality: Buoy 4A; W x N 1/4 N, Bell Buoy #4 SE 3/8 E

Depth: 4 1/2 F. Bottom: Hard Broken Shell Sample:

Wind: Direction, NW Force, 1

Sea: gentle Swell Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	51.8				+	
3	80479	53.2				+	2
7	98267	49.0				+	3

3

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Mud Bags	4 1/2-4 1/2	9 17	9 22	

11—5314

NOTES

(Tide Flooding)

(Dredging Course)

(E x N to N)

1222

Station No. 8502 Date: 4/22/16 191

Hour: 10 00 A. M. to 18 33 A. M.

Position: Lat. 37° 03' 24" Long. 75° 58' 20"

Locality: Cape Charles St N.E. Buoy E 1/8 S
St. Slip SW x S 3/4 S

Depth: 9 F. Bottom: Hard Sample:
Shells & F.G.S.

Wind: Direction, West Force, 2

Sea: Gentle Swell Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	51.5				9+	
5	109749	50.9				+	1
10	80479	51.5				9+	2
16	98267	50.3				+	3

(6)

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Bigelow Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Beam Trawl M.B.	8 3/4 - 9	10 19 am	10 29	
#5 Silk Net	Sur	10 19	10 29	
#20 " "	Sur	10 19	10 29	

11—5314

NOTES

(Tide Flooding)
(Course Dredging)
(NW x North)

1222

Station No. 8503 Date: 4/22/1916

Hour: 12 N. M. to 2 00 P. M.

Position: Lat. 37° 15' 21" Long. 76° 04' 40"

Locality: Plantation Pt (S23/8 S Buoy #10 Cherrystone Pt (E 3/8 N 1/4 E)

Depth: 25 F. Bottom: Hard Sample: Broken Shells

Wind: Direction, West Force, 2

Sea: Smooth Sky: Partly Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	52.6				S+	
9	98267	50.5				S+	3
18	80479	51.2				S	2
27	109749	50.9				S	1
25	109749	50.6				+	1
34	80479	52.0				+	2
41	98267	51.6				+	3

7

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Beam Trawl & M.-B.	24-16	1 00	1 20	
#5 Silk Net	Sur	1 00	1 20	
"	Sur	1 00	1 20	
#20 "	25-0	12 19	12 20	
½ meter Vertical Welsh Net	19½-20	1 38	1 53	

11—5314

NOTES

(Tide Flooding)
(Dredging Course)
(S. E X S)

122

Station No. 8504 Date: 4/22/1916

Hour: 2 18 P. M. to 2 33 P. M.

Position: Lat. 37° 15' 54" Long. 76° 07' 42"

Locality: Plantation Pt. SE x E, #10 Buoy
Exh 3/8 N, Buoy #13 - S x E 1/8 E

Depth: 7 ft. Bottom: Soft Sample:
Fine grayish Sand + mud

Wind: Direction, West Force, 1

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	58.0				4	
7		50.2				+	2
12		49.4				4	1

8

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Mud Bag	7-7	2 25	2 30	
#3 Silk Net	Sur	2 25	2 30	
#20 "	"	2 25	2 30	

11—5314

NOTES

Tide flooding
Course Dredging (E to S.)

12-22

Station No. 8505 Date: 4/22/16 191

Hour: 248 P. M. to 310 P. M.

Position: Lat. 37° 15' 58" Long. 76° 10' 54"

Locality: New Pt. Comfort Lt. NW x W 3/8 W
York Spit Lt Hse SW 1/2 W. Buoy C 7 West

Depth: 6 F. Bottom: Hard Sample:
Marine growth & Fine Sand & mud

Wind: Direction, Force,

Sea: Smooth Sky: cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	56.0				8+	
5		49.4					3
10		49.8				9	2

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
B.J. & M.B.	6-6	227	315	

11—5314

NOTES

Tide
(Course Dredging)
(S x E)

1222

Station No. 8506 Date: 4/22/1916

Hour: 3 40 P.M. to 4 00 P.M.

Position: Lat. 37° 16' 30" Long. 76° 14' 27"

Locality: Buoy C.9. NW x N 1/4 N, New Pt Comfort
Ft. NW 3/4 W. York Spit Ft SW 1/2 W

Depth: 5 1/2 F Bottom: Hard Sample:
Fine Sand & marine growth

Wind: Direction, West Force, 4

Sea: choppy Sky: cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	54.2				8+	
5-	98267	53.9				+3	
10	50479	50.3				9+2	

10

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Beam Trawl & M.B.	5 1/2 - 5	3 30	3 55	
#5 Silk net	Surf	3 30	3 55	
#20 " "	Surf	3 30	3 55	

11—5314

NOTES

Side
(Course Dredging
(S.E.)

122

Station No. 8507 Date: 4/22/1916

Hour: 5:30 P. M. to 5:50 P. M.

Position: Lat. 37° 23' 24" Long. 76° 05' 08"

Locality: Wolf Trap W 1/2 N, Plantation St. S 1/4 E

Depth: 13 F. Bottom: Hard Sample: Shells & Marine growth

Wind: Direction, North Force, 4

Sea: Choppy Sky: Overcast

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	53.0				+	
6	80479	53.9				+	2
13	109749	49.9				+	1
21	98267	50.2				+	3

11

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Mud Bag	12 ft - 9 1/4	5:38	5:43	

11—5314

NOTES

Tide

Course Dredging

(E 72 E)

1223

Station No. 8508 Date: 4/23/ 1916

Hour: 6 24 A. M. to 6 53 A. M.

Position: Lat. 37° 34' 00" Long. 75° 59' 07"

Locality: Can Buoy #1 Bearing S E 1/2 E distance 1 mile

Depth: 4 1/4 F Bottom: Hard Sample: Shells & marine growth

Wind: Direction, S S W Force, 2

Sea: Smooth Sky: Cloudy, clearing

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	53.3				8+	
2.5	109749	54.0				7 8+	1 3
6.5	98267	51.5					

12

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Beam Trawl & Mtg.	5 1/4–5 1/2 F	6 38	6 48	
#5 Silk net	Sur	6 38	6 48	
#20 " "	Sur	6 38	6 48	

11—5314

NOTES

Tide Ebbing
Course Dredging (S.S.W)

1223

Station No. 8509 Date: 4/23/ 1916

Hour: 7 13 A.M. to 7 30 A.M.

Position: Lat. 37° 33' 10" Long. 76° 02' 25"

Locality: Can Buoy No. 1 Bearing E 3/8 S
approximate distance 3.51 miles

Depth: 7 Bottom: Soft Sample:
Soft Sticky Mud

Wind: Direction, SSW Force, 2

Sea: Moderate Sky: Partly cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	53.8				+	
4	109749	54.1				+	1
8	98267	50.5				+	3
14	80479	49.6				+	2

13

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Tide Ebbing

1223

Station No. 8510 Date: 4/23 1916

Hour: 8 02 A. M. to 8 30 A. M.

Position: Lat. 37° 35' 08" Long. 76° 07' 06"

Locality: Windmill Pt. ft W x N 1/4 N
Bell Buoy W 3/8 N

Depth: 7. F. Bottom: Soft Sample: Soft Black Mud

Wind: Direction, SSW Force, 2

Sea: Smooth Sky: Partly cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	52.2				F +	
4.5	98267	52.9				+	3
11.5	80479	49.1				+	2
8		48.8					1

14

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.J. & M.B.	7-7	8 14	8 24	

11—5314

NOTES

(Course Dredging) S x W
Tide Ebbing

1223

Station No. 8311 Date: 4 23 1916

Hour: 9 00 A.M. to 9 32 A.M.

Position: Lat. 37° 35' 48" Long. 76° 10' 24"

Locality: Windmill Pt Lt. W½N, Bell Buoy S W x W ½ W

Depth: 7 F. Bottom: ~~Soft~~ Sample: Black Mud ~~Soft~~

Wind: Direction, SW Force, 2

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	51.0				+	
2	98267	52.9					3
4	80479	53.1				+	2
6	109749	48.3					1
8	109749	48.0				+	1
10	98267	48.0				+	3
12	80479	48.8				+	2

(15)

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Beam Tr. & Mc B.	7¼-7¼	9 18	9 28	
#6 silk net	Sur	9 18	9 28	
#20 " "	Sur	9 18	9 28	

NOTES

11—5314

Tide Ebbing

Course Dredging

S W x S.

1223

Station No. 8512 Date: 4/23/ 1916

Hour: 12 25 P.M. to 2 10 P.M.

Position: Lat. 37° 51' 38" Long. 76° 09' 44"

Locality: Smith Pt Light NW x N
Buoy NNW

Depth: 24 F. Bottom: ~~Sft~~ Sample:
Fine Gray Sand & Mud

Wind: Direction, North Force, 4

Sea: Moderate Sky: Partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	53.7				q +	
6	80479	52.0				+	2
9	109749	47.3				q	1
16	109749	47.2				+	1
18	80479	48.0				q	2
25	109749	47.1				+	1
27	98267	47.8				q	3
34	80479	48.2				+	2
42	98267	48.0				+	3

16

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F	TIME Down	TIME Up	Speed
1/2 meter Vertical	24-0	12 51	12 52	
B.T. & M.B.	9-24 1/2	1 14	1 39	
#5 Silk net	Sur	1 14	1 39	
#20 " "	Sur	1 14	1 39	
Welsh net	15-17 1/4	1 57	2 07	

NOTES

11—5314

Tide Ebbing
Dredging Course SW x S

1223

Station No. 8513 Date: 4/23/ 1916

Hour: 2 57 P.M. to 3 05 P.M.

Position: Lat. 37° 52' 46" Long. 76° 07' 30"

Locality: Smiths Pt St. W 1/2 N, Great Wicomico St. S W X W 1/2 W

Depth: 7 F. Bottom: Soft Sample: Soft Beach Mud

Wind: Direction, North Force, 4

Sea: Choppy Sky: Partly Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	52.3				8 +	
5.5	80479	54.5				+	2
12.5	98267	47.8				8	3

17

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

NOTES

11—5314

Tide Ebbing

1223

Station No. 8514 Date: 4/23/1916

Hour: 3 20 P. M. to 3 50 P. M.

Position: Lat. 37° 5' 2" 30" Long. 75° 05' 15"

Locality: Smiths Pt Lt. W 3/4 N. Tangier
So. Lt. S E 3/8 S.

Depth: 5 3/4 F. Bottom: Hard Sample:
Marine growth

Wind: Direction, North Force, 4

Sea: Choppy Sky: Partly Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	C.F.	50.8				+	
5	10479	49.9				+	2
9	98267	47.5				+	3

18

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.J. & M.B.	5 3/4 - 5 3/4	3 36	3 44	

11—5314

NOTES

Course Dredging S.S.W
Tide Ebbing

1223

Station No. 8515 Date: 4/24/1916

Hour: 11 40 A. M. to 11 50 A. M.

Position: Lat. Long.

Locality: Off Port Abello P.N.
St Marys River

Depth: 19 feet Bottom: Hard Sample:
Hard mud

Wind: Direction, West Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

19

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth feet	TIME Down	TIME Up	Speed
Mud Bag	A-	11 44	11 49	

11—5314

NOTES

Tide Ebbing

Dredging Course (SW x S)

1223

Station No. 8516 Date: 4/24/1916

Hour: 1 07 P. M. to 1 38 P. M.

Position: Lat. 38° 00' 30" Long. 76° 22' 38"

Locality: Fish Buoy bearing WSW distance 175 yards Bell Buoy NW 1/8 W

Depth: 6 F. Bottom: Soft Sample: Soft Reach mud

Wind: Direction, NNW Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	52.4				F+	
0	B.F.	52.4				+	2
5	80479	53.5				F+	3
10	98267	50.9					

20

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.J. & M.B.	6½-6½	1 23	1 33	
#5 Silkhat	Sur	1 23	1 33	
#20 "	Sur	1 23	1 33	

NOTES

11—5314

Tide Ebbing * Dredging Course SE x S.

1223

Station No. 8517 Date: 4/24/1916

Hour: 2 P. M. to 2 38 P. M.

Position: Lat. 38° 01' 20" Long. 76° 21' 18"

Locality: Pt Lookout-Lt. hExE 3/8 E, Bell Buoy WxN 1/4 N, Fish Buoy S WxW

Depth: 12 1/4 F Bottom: Soft. Sample: Soft Black Mud

Wind: Direction, NNW Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	52.2				4	
5	109749	51.6				+1	
11	80479	51.0				2	
21	98267	47.2				+3	

21

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
	12 Welsh					
	3 NNW					

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Welsh Net	12 3/4-9	2 19	2 22	
Mud Bag	9-9	2 38	2 33	

NOTES

11—5314

Tide Ebbing

(Dredging Course) S.E.

1223

Station No. 8518 Date: 4/24/ 1976

Hour: 2 55 P. M. to 3 05 P. M.

Position: Lat. 38° 02' 30" Long. 76° 20' 32"

Locality: Pt Lookout Lt. E x S 1/4 S. Pt Lookout Buoy S E 1/2 S

Depth: 5 3/4 F Bottom: Soft Sample: Soft Blk Mud

Wind: Direction, NW Force, 1

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	BF	52.4				q+	
4	80479	50.8					+2
8	98267	49.8				q+	3

22

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

NOTES

11—5314

(Fid) (Lowwater Slack)

1 2 3

Station No. 8519 Date: 4/24/1916

Hour: 4 10 P. M. to 4 35 P. M.

Position: Lat. 38° 07' 03" Long. 76° 16' 5.4"

Locality: Pt. No. Pt Lt n w x n 1/4 n. Pt Lookout Lt. S W x S 1/2 S

Depth: 7 F. Bottom: Soft Sample:

Soft Black mud & Shells

Wind: Direction, East Force, 1

Sea: Smooth Sky: Hazy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0						S+	
1	B.F.	50.3				+	2
5	80479	52.0				S+	3
11	98267	51.1					

23

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
B.J. & M.B.	7-7	4 23	4 31	

11—5314

NOTES

Tide. ~~Slack~~ Flooding four

Dredging Course East

1223

Station No. 8520 Date: 4 24 1916

Hour: 4 56 P. M. to 6 15 P. M.

Position: Lat. 38° 07' 12" Long. 76° 13' 43"

Locality: Pt No Pt St W x N 1/2 N, Pt. Lookout SW 3/8 W

Depth: 20 F Bottom: Soft Sample: Soft Black Mud

Wind: Direction, Calm Force, 0

Sea: Smooth Sky: Hazy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	BF.	51.7				q+	
5	109749	49.4				+	1
9	98267	49.0				q+	3
17	109749	47.1				q+	1
26	80479	48.0				q+	2
36	98267	47.5				+	3

24

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
1/2 Meter Vertical	20-0	5 11	5 12	
Beam T. & M.B.	20-16	5 24	5 44	
Welsh Net	18-18 1/2	5 57	6 07	

11—5314

NOTES

Tide. ~~Slackwater Low~~ Flooding

Dredging Course (North)

1223

Station No. 8521 Date: 4 24 1916

Hour: 6 40 P. M. to 6 50 P. M.

Position: Lat. 38° 08' 10" Long. 76° 10' 00"

Locality: Pt No Pt. W 1/8 N. Hooper Strait St. NE

Depth: 4 fath. Bottom: Hard Sample:

Wind: Direction, Calm Force, 0

Sea: Smooth Sky: Hazy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	54.2				q +	
2.5	80479	54.9				+	2
6.5	98267	49.9				q +	3

25

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

NOTES

11—5314

Tide Flooding

1223

Station No. 8522 Date: 4/23/1916

Hour: 6 30 P. M. to 7 23 A. M.

Position: Lat. 38° 14' 42" Long. 76° 15' 36"

Locality: Hooper Ds St. N.E. Buoy N ½ E

Depth: 20 F Bottom: Soft black mud Sample:

Wind: Direction, S.E. Force, 1

Sea: Smooth Sky: D.C. R & Hazy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	50.9				+	
5-	98267	50.5-				+	3
9	109749	48.0				+	1
18	109749	47.5-				+	1
26	80479	48.0				+	2
35-	98267	46.0				+	3

26

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
		Good Morning				

Color of water: Transparency:

REMARKS: 47.5- 46.0

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.J. & M.B.	19-19½	7 11	7 21	

NOTES

11—5314

Tide Flooding

Dredging Course (NNW)

1224

Station No. 8523 Date: 4/23/1916

Hour: 8 06 A. M. to 9 30 A. M.

Position: Lat. 38° 20' 24" Long. 76° 18' 14"

Locality: Barren Is Buoy # 16 D bore by compass NExN Dist 200 yards

Depth: 26 fath Bottom: soft Sample: soft Black mud & marine growth

Wind: Direction, S.E. Force, 4

Sea: Moderate Sky: O.C.R. & Hazy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	50.8				+	
5	98267	50.1				+	3
10	80479	49.1				+	2
18	109749	46.6				+	1
27	109749	46.8				+	1
37	80479	45.9				+	2
46	98267	45.0				+	3

27

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
1/2 Meter Vertical	26-0	8 23	8 24	
B.J. & M.B.	26-25½	9 00	9 15	
Welsh Net	15-1,6	9 37	9 40	

NOTES

11—5314

Tide Flooding

Dredging Course NNW

1224

Station No. 8324 Date: 4 29 191 6

Hour: 10 02 A. M. to 10 30 A. M.

Position: Lat. 38° 21' 03" Long. 76° 22' 10"

Locality: Cove Pt. Lt. N 7/8 W Buoy #21
NE ¼ E 3/4 E

Depth: 4 F Bottom: Hard Sample: Broken Shells

Wind: Direction, SE Force, 4

Sea: Choppy Sky: D.C.R. Hazy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	BF.	51.1				+	
3.5	80479	52.6				+	2
6.5	78267	57.9				+	3

28

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.J. & M.B.	3 3/4 6	10 22	10 28	

NOTES

11—5314

Tide Flooding
Dredging Course N to E.

1224

Station No. 85-25 Date: 4 23 1916

Hour: 11 39 A. M. to 11 50 A. M.

Position: Lat. 38° 31' 09" Long. 76° 25' 00"

Locality: N. End of James Is E ½ N Bell Buoy 18 A. N ¼ E

Depth: 12 3/4 F Bottom: Soft Sample: Soft Black Mud

Wind: Direction, East Force, 4

Sea: Choppy Sky: Oc

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	49.9				8+	
7	109749	48.9				+	1
13-15	80479	46.1				8+	2
22	98269	45.1				+	3

29

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Tide Ebbing Flooding

1224

Station No. 8526 Date: 4/25/ 1916

Hour: 12 35 . M. to 1 00 P. M.

Position: Lat. 38° 30' 15" Long. 76° 28' 45"

Locality: Governors, Run Wharf bore W 1/4 S approximate Distance 7/8 mile

Depth: 5 1/2 F Bottom: Sample:

Wind: Direction, N East Force, 4

Sea: Choppy Sky: OC

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	50.5				8+	
3	80479	52.1				+	2
7	98267	51.5				8+	3

30

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
M.B.	5 1/2-5 1/4	12 48	12 55	

NOTES

11—5314

Tide Ebbing

(Dredging Course) N.N.E

1224

Station No. 8527 Date: 4/25/ 1916

Hour: 2.20 P. M. to 2.55 P. M.

Position: Lat. 38° 40' 15" Long. 76° 25' 09"

Locality: Sharpsburg Pt. S E 1/2 S. Black Walnut Pt. E 7/8 S

Depth: 20 F Bottom: Hard gravish sand & mud Sample:

Wind: Direction, N East Force, 4

Sea: Moderate Sky: O. C. K.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	49.2				+	
5	80479	50.3				+	2
9	109749	46.0				+	1
18	109749	44.9				+	1
26	80479	45.2				+	2
35	98267	44.9				+	3

31

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.J. & M.B. #5 & #20 silk nets	20-19	2.39	2.51	
	surface	"	"	

11—5314

NOTES

Tide Ebbing

Dredging Course (N x W)

1224

Station No. 8528 Date: 4/25/ 1916

Hour: 4 10 P. M. to 4 30 P. M.

Position: Lat. 38° 47' 30" Long. 76° 25' 06"

Locality: Bloody Pt St. NNE 3/4 E, north End, Poplar Is. SEXE 3/4 E

Depth: 20 F. Bottom: Soft Sample:

Wind: Direction, NW Force, 2

Sea: Smooth Sky: O.C.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

32

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.T. & M.B.	20-17	4 14	4 24	

11—5314

NOTES

Tide Ebbing

Dredging Course SSW

1224

Station No. 8529 Date: 4 26 1916

Hour: 6 30 A. M. to 6 55 A. M.

Position: Lat. 38° 5' 0" 15" Long. 76° 27' 06"

Locality: Thomas Pt. Sh. N X E 1/2 E, Bloody Pt. Sh. E 7/8 S.

Depth: 5 F. Bottom: Hard Sample: Broken Shells

Wind: Direction, West Force, 1

Sea: Smooth Sky: Clear Hazy Horizon

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	49.0				✓	
4	T0479	50.5				+	2
8	98247	51.0				+	3

33

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
M Bag	5-5½	6 41	6 48	

11—5314

NOTES

Tide Ebbing

Dredging Course (S to SW)

1224

Station No. 8530 Date: 4/26/ 1916

Hour: 703 A. M. to 710 A. M.

Position: Lat. 38° 50' 12" Long. 76° 25' 54"

Locality: Thomas Pt & St. N 1/4 E, Bloody Pt. St. E x S

Depth: 3 1/4 F. Bottom: Hard Broken Shells Sample:

Wind: Direction, West Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	49.0				8+	
6	50479	49.5				+2	
10	98267	50.0				8+	3

34

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

Tide Ebbing

1224

Station No. 8531 Date: 4 26 1916

Hour: 7 25 A. M. to 9 15 A. M.

Position: Lat. 38° 23' 30" Long. 76° 30' 12"

Locality: Bloody Pt. St. Lore S E x E ½ E Dist. about 300 yds. Thomas Pt. N x W 3/4 W

Depth: 29 F. Bottom: Soft Sample: Show coat of Soft Black Mud

Wind: Direction, West Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	13 F.	48.9				8+	
6	109749	46.7				+	1
12	98267	44.1				8+	3
20	80479	44.4				+	2
30	109749	44.8				9+	1
40	80479	44.2				+	2
50	98267	43.9				+	3

35

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
½ Meter Vertical	29½-0	7 49	7 50	
B.J. 2 M B	17-25	8 26	8 46	
# 3 Silk Net	Sur	8 26	8 46	
# 20 Welsh Net	Sur	8 24	8 46	
	24-1	8 52	9 11	

11—5314

NOTES

Tide Ebbing

Dredging Course S x W

1225

Station No. 8532 Date: 4/26/1916

Hour: 10 00 A. M. to 10 28 A. M.

Position: Lat. 38° 56' 24" Long. 76° 23' 12"

Locality: Thomas Pt Lt. SW 1/2 W. Greenbury Pt. Lt. NWxW

Depth: 18 F Bottom: Hard Sample: Thin Coat of Soft Black Mud

Wind: Direction, West Force, 1

Sea: Smooth Sky: Clear Hazy H.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

36

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
M. B&BJ.	18-19 1/4	10 07	10 22	

11—5314

NOTES

Tide Ebbing

Dredging Course (SxW)

1225

Station No. 85.33 Date: 4/26/1916

Hour: 11 15 17 . M. to 11 30 A M.

Position: Lat. 39° 02' 21" Long. 76° 22' 30"

Locality: Sandy Pt. Lt. SW x S 1/2 S.
Baltimore Lt. NW 3/4 N.

Depth: 7 F. Bottom: Soft Sample:
Soft Sandy Mud

Wind: Direction, West Force, 1

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	52.0				9+	
6	95267	47.9				8+	3
12	80479	44.2				8+	2

37

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Mud Bag	7—7	11 24	11 30	

NOTES

11—5314

Tide Ebbing
Course Dredging S to S.W.

1225

Station No. 8534 Date: 4/26/1916

Hour: 11 45 A. M. to 12 10 P. M.

Position: Lat. 39° 02' 24" Long. 76° 20' 24"

Locality: Sandy Pt Lt. SW x W 1/2 W
Baltimore Lt. NW x W 3/8 W

Depth: 12 F. Bottom: Soft Sample: Soft Black ~~Shelly~~ Mud

Wind: Direction, West Force, 1

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	58.2				8+	
3	109749	56.9				4	1
9	98267	47.8				8+	3
9	50479	48.0				4	2

38

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.J. & M.B.	12-12	12 00 M	12 16	

11—5314

NOTES

Tide Ebbing
Dredging Course NxE 1/2 E

1225

Station No. 8535 Date: 4/26 191 16

Hour: 12 45 P.M. to 1 10 P.M.

Position: Lat. 39° 07' 00" Long. 76° 18' 34"

Locality: Bell Buoy, SE 3/8 E
White Spar Buoy, West

Depth: 11 F. Bottom: Soft Sample:
Red Clay, marl & mud

Wind: Direction, West Force, 1

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	49.0				q+	
2	109749	49.9				+	1
9	98267	45.2				q+	3
17	80479	44.1				+	2

39

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.T. & M.B.	11-7	12 59	1 04	
#5 Silk net	Sur	12 59	1 04	
#20 Silk net	Sur	12 59	1 04	

11—5314

NOTES

Tide Ebbing

Dredging Course (S to W)

finis

1225

Station No. 8536 Date: 5/22/ 1916

Hour: 1.15 P. M. to 2.00 P. M.

Position: Lat. 38° 50' 8 Long. 76° 23' 58

Locality: 3/4 Mile, Bloody Pt. Pt. S x E 7/8 E.
Thomas Pt. Pt. N x W 1/4 W. 3/4 mi.

Depth: 18 F. Bottom: Hard Sample:
Thin Coat of Soft Black Mud.

Wind: Direction, South, Force, 4.

Sea: Choppy. Sky: Cloudy.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	BF.	60.0				+	
8	98262	54.8				+	2
15	80479	53.0				+	3

1

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
~~Trawl~~				
m. Hydroid ~~net~~	20-13	1 29	1 39	
" "	10-14	1 46	1 56	
#0 + #20 silk mts	surface	1 24	1 39	

11—5314

NOTES

{Water samples taken on anchorage in 18 fathoms}

Tide (Slackwater) Low

Course Dredging (S x E 1/2 E)

1225

Station No. 8537 Date: 5/22/ 1916

Hour: 3 15 P. M. to P. M. 3 56

Position: Lat. 38° 40 15 Long. 76° 25 6

Locality: Sharpsds. Lt. S E 1/2 S, Dist. about 2 3/4 miles.

Depth: 20 F Bottom: Hard Sample:
Thin Coat of Mud

Wind: Direction, South Force, 4

Sea: Choppy Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
M. Hydroid Net	19 3/4-9	3 17	3 27	
Radcliffe Drag.	19 3/4-20	3 46	3 56	

11—5314

NOTES

Tide (~~Slackwater Low~~ flooding

Dredging Course (S.S.E.)

#537 (8538 over)

Station No. 8539 Date: 5/24 1916.

Hour: 8 30 A.M. to 9 24 A.M.

Position: Lat. 38 20 0 Long. 76 29 11

Locality: From Pt. Patient to Half Pone Pt., Patuxent River.

Depth: 16 F. Bottom: Hard Sample: Shells & marine growth

Wind: Direction, North Force, 4

Sea: Moderate Sky: CAR 7.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

(Station 8538 on next page)

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—6314

NETS, ETC., USED

Description	Depth F	TIME Down	TIME Up	Speed
Bottom Feeler.	16-5	823	921	

11—6314

NOTES

Dredging Course (N.)
Tide Ebbing.

(7)

Station No. 8538 Date: 5/23/ 1916

Hour: 800 A. M. to . M.

Position: Lat. Long.

Locality: Between 2 buoys off Barren Id.

Depth: 17 f Bottom: Sample:

Wind: Direction, South Force, 4

Sea: Choppy Sky: O.C.R.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	61.3				+	
8	98267	62.0				+	1
17	98262	57.5				+	3
25	50479	55.3				+	2

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

#539

Station No. 8540 Date: 5/24/ 1916.

Hour: 9 27 A. M. to 9 48 A. M.

Position: Lat. 38 24 15 Long. 76 26 30

Locality: first from Millstone Landing W.N.W. to Sandy Pt. Solomons Is.

Depth: 10 F. Bottom: shell & mud Sample:

Wind: Direction, North Force, 4.

Sea: Moderate. Sky: C.C.R.F.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
{Bottom Feeler	10-9	9 38	9 43	
{Oyster Dredge in Tandem	10-9	9 38	9 43	

11—5314

NOTES

Dredging Course (W.N.W.)
3d Ebbing.

1224

Station No. 8341. Date: 5/24/1916

Hour: 10[20] A.M. to 11[00] A.M.

Position: Lat. 38 21 36 Long. 76 18 48

Locality: 300 yds. W.S.W. from Spar Buoy #16-E, 86 Barren Id

Depth: 22 F. Bottom: Soft. Sample: Soft Black Mud.

Wind: Direction, N-E. Force, 2.

Sea: ~~Moderate~~ Smooth Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
{Bottom Tagles Oyster Dredge} In Tandem	20-22	10[01]	10[27]	
	20-22	10[01]	10[27]	

11—5314

NOTES

Dredging Course N x W 1/2 W

(Tide Ebbing)

1224

Station No. 8542. Date: 5/24/ 1916.

Hour: 11 15 A. M. to 12:35 P. M.

Position: Lat. 38° 20 24 Long. 76° 18 14

Locality: 300 yds. W x S 1/2 S from Buoy #
16-D.

Depth: 25 F. Bottom: Soft Sample:
Soft Black mud & oyster shells

Wind: Direction, N.E. Force, 4

Sea: Smooth. Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
8" Beam Trawl	21-25	11 28	11 41	
Bottom Feeler	25-25	11 50	11 53	
Oyster Dredge	25-25	11 50	11 53	
(In Dredges Tandem)				
Hydroid Net	25-25	12 02	12 12	
Bottom Feeler + oyster dredge	17-14	12 21	12 31	

11—5314

NOTES

(Dedging course (NNW)

(Tide Ebbing

1224

Station No. 8543 Date: 5/24/ 1916

Hour: 1.50 P. M. to 3.30 P. M.

Position: Lat. 38° 13 8 Long. 76° 14 40

Locality: Pt. no. Pt. SW. x S 1/2 S. Cedar Pt. NW.

Depth: 19 F. Bottom: Soft Sample:

Wind: Direction, N.N.E. Force, 3

Sea: Smooth Sky: Cloudy.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

	Description	Depth F	TIME Down	TIME Up	Speed
A	Bottom Feeler	19-22	1 58	2 08	
	Hydroid net A	19-22	1 58	2 08	
B	Bottom Feeler	20½-19	2 20	2 26	
	Hydroid net B	20½-19	2 20	2 26	
C	Bottom Feeler	19½-21	2 33	2 43	
	Hydroid net C	19½-21	2 33	2 43	
D	Bottom Feeler	21-20½	2 51	3 03	
	Hydroid net D	21-20½	2 51	3 03	

11—5314

NOTES

Dredging course N.N.W

Tide Ebbing

		Fathoms	Time down	Time up
E	Bottom Feeler	19½	3.17	3.47
	Two Boat grapnels	-		
	Hydroid net E	16		P.M.

1224

Station No. 8544 Date: 5/24/1916

Hour: 4 40 P. M. to 5 25 P. M.

Position: Lat: 38° 7 14 Long. 76 13 36

Locality: Pt. No Pt. St. W X N 1/8 N
Holland Is Bar St. S.E X E 1/4 E.

Depth: 20 F. Bottom: Soft Sample:

Wind: Direction, N.N.E Force, 2

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
	Hoe'd Is Bar Li.					

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth F	TIME Down	TIME Up	Speed
Bottom Feeler } A	20-18	4 46	4 56	
2 Boat grapnels } A	20-18	4 46	4 56	
M Hydroid Net } A	20-18	4 46	4 56	
Bottom Feeler } B	17½-18½	5 06	5 16	
2 Boat grapnels } B	17½-18½	5 06	5 16	
M Hydroid Net } B	17½-18½	5 06	5 16	

11—5314

NOTES

Tide Ebbing

Dredging Course (N 1/2 W)

1224.

Station No. 8545 Date: 5/25/1916

Hour: 8 30 A. M. to 8 45 A. M.

Position: Lat. 38° 6 45 Long. 75° 58 30

Deal Id. Tangier Sound

Locality: Shar B. #8 S. 3/4 E. N.

End of Little Id. N. E. 1/2 E. Shark's fin ft

Depth: 14½ F-U Bottom: Sample: (N.)

Wind: Direction, South Force, 2

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Bottom Feeler	14½-12	8 31	8 39	
~~2 Boat Grapnels~~ A	~~14½-12~~	~~8 31~~	~~8 39~~	
M Hydroid net	14½-12	8 31	8 39	

11—5314

NOTES

Tide Ebbing

Dredging Course (South)