235

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 8595 to 8640

8595

To

8640

[illegible]

[illegible] = 80479
[illegible] = 98267
[illegible] = 98262
} July trip

[illegible]

12) 2000 (166.66 2/3
25 12 × 1
40
72
80

)16667(

365) 2000 (5.479
1825
1750
1460
2900
2555
3450

B = Biglow
E = Eckman
G = Greene

1222

Station No. 8595 Date: 7/25/ 1916

Hour: 11 17 A. M. to 12 15 P. M.

Position: Lat. 36° 57' 2" Long. 76° 0' 26"

Locality: Cape Henry St S 5/8 W.
Litship N. 3/8 E. Can Buoy C-1 = W 1/4 S

Depth: 12 P. Bottom: Hard. Sample:

Wind: Direction, SSE Force, 2

Sea: Moderate Sky: O.C. & Raining

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	BF	74.3				q+	
7	98262	71.9				q+	B
15	98267	69.5				+	E
21	80479	69.8				q+	g.
3	98262	74.3				[illegible]	B

3

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

Dredges 15, 15 & 10

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
BJ & MB.	12-12½	11 38	11 53	
#5 Silk Net	Surf	11 38	11 53	
#20 " "	Surf	11 38	11 53	
Welsh Net	12¾-12¾	11 59	12 09	

11—5314

NOTES

Tide Ebbing
Dredging Course (E x S)

1222

Station No. 8596. Date: 7/25/ 1916

Hour: 12 36 P. M. to 1.25 P. M.

Position: Lat. 36° 58' 53" Long. 76° 0' 22"

Locality: Tail of Horseshoe Stship. S.W. 3/8 S. Cape Henry St. S. 3/4 W. Yellow Can Buoy

Depth: 7½ F Bottom: Hard Sand Sample: W.N.W.

Wind: Direction, South Force, 2.

Sea: Moderate Sky: O.C.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	73.5				8+	
5	98267	74.4				+	E.
11	80479	71.7				8+	G.

4

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a

NETS, ETC., USED

Description	Depth F	TIME Down	TIME Up	Speed
Beam Trawl & MB.	7-6½	1.05	1.20	
#5 Silk Net	Surf	1.05	1.20	
#20 Silk Net	Surf	1.05	1.20	

11—5314

NOTES

Tide-Ebbing.

Dredging Course (SEXE)

1222

Station No. 8597. Date: 7/25/ 1916.

Hour: 1.43 P. M. to 2.15 . M.

Position: Lat. 37° 0' 58" Long. 75° 58' 45"

Locality: ~~Tail of Horseshoe Stakes~~ Cape Charles N.E. x N. {Bell Buoy #4 SE 1/4 S}

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

Wind: Direction, SSE 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.	75.0					
5.5	80479	74.9				+	g

5

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Beam Trawl M-B	4-4	1 51	2 11	
#5 Silk Net	Surf	1 51	2 11	
#20 " "	Surf	1 51	2 11	

11—5314

NOTES

Tide; Ebbing.

Dredging Course (N.E.)

1222.

Station No. 8598. Date: 7/25/ 1916.

Hour: 2 38 P. M. to 3 42 P. M.

Position: Lat. 37° 3' 27" Long. 75° 58' 19"

Locality: Buoy #4. E.S.E. Cape Charles Lt. N.E. Litship S.W.

Depth: 9½ F. Bottom: Hard Sample:

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	B.F.	75.0				g+	
8	98267	75.6				f	E.
15	80479	75.0				g+	g

6

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Btrawl & M.B.	6½-7¼	3 03	3 23	
#5 Silk net	Surf	3 03	3 23	
#20 " "	Surf	3 03	3 23	
Welsh net.	7¼-7	3 28	3 38	

Flood

11—5314

NOTES

~~Tide Ebbing~~

Dredging Course (S E x S ½ S)

1222

Station No. 8599 Date: 7/26/ 1916

Hour: 9^00 A. M. to 11^15 A. M.

Position: Lat. 37° 15' 7" Long. 76° 4' 44"

Locality: Cherrystone Lt. E. 3/4 N.
Plantation Lt. S.E. 1/4 S. Nun Buoy N 1/4 W.

Depth: 25 F. Bottom: Soft Sample: Soft Black Mud.

Wind: Direction, South Force, 3

Sea: Choppy Sky: Cloudy.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	75.8				q+	
6	98267	77.0				+	E
11	98262	76.1				q	B
22	98262	75.2				q+	B
32	98267	75.0				+	E
42	80479	75.6				q+	g.

7

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

ai

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
1/2 Meter Vertical	25-0	9^14	9^15	
Beam Trawl & M.B.	17-21-22	9^40	10^00	
#9 Silk net	Surf	9^40	10^00	
#20 " "	Surf	9^40	10^00	
Welsh Net	15-14-14	10^20	10^31	
Beam Trawl & M.B.	14-16 1/4-18-24	10^54	11^09	

11—5314

NOTES

Tide Flooding
1st Dredging Course (S E 1/2 S)

Note: Lashings on trawl carried away, trawl came to surface empty at 10^00 AM

2nd Dredging Course (S.S.W)

Last haul 14-16 1/4-18-23 1/2-24 fathoms

1222

Station No. 8600. Date: 7/26/ 1916.

Hour: 11 50 A. M. to 12 15 P. M.

Position: Lat. 37° 15' 18" Long. 76° 7' 38.

Locality: New Pt. Comfort Pt. N.W. x W. 1/2 W.
Old Plantation Pt. S.E. x E. 1/2 E.

Depth: 8 1/2 F. Bottom: ~~[illegible]~~ Sample: Soft mud

Wind: Direction, South Force, 3.

Sea: Choppy Sky: O.C. & Raining

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	76.5				F+	
6	80479	78.0				+G.	
12	98262	75.9				F+	G.B.

8

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Mud Bag.	7-6 3/4	11 58	12 08	

11—5314

NOTES

Tide Flooding
Dredging Cowhee (S.W.)

1222

Station No. 8601 Date: 7/26/1916

Hour: 12 48 P. M. to 12 56 P. M.

Position: Lat. 37° 15' 59" Long. 76° 11' 51"

Locality: York Spit St. S.W.
New Pt Comfort St NW x W

Depth: 7 1/2 F. Bottom: Soft Sample: Soft Black Mud.

Wind: Direction, South 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.	76.8				g+	
5	98267	77.0				+	E
10	80479	76.8				g+	g

9

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

A.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

~~Tide Flooding~~

1222

Station No. 8602 Date: 7/26/ 1916

Hour: 1 17 P. M. to 1 35 P. M.

Position: Lat. 37° 17' 1" Long. 76° 14' 14"

Wolf Trap Ct N.N.E 1/4 E.

Locality: New Pt Comfort St N.W x W.

York Spit St. S x W 1/4 W.

Depth: 5 1/4 Bottom: ~~Hard~~ Yellow sand & mud Sample:

Wind: Direction, South 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.	77.4				g+	
6	80479	77.9				g+	g

10

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

.C 3

Color of water: Transparency:

REMARKS: 1.) = 8 min

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Mud Bag	5 1/4-6	1 25	1 32	

11—5314

NOTES

~~Tide Flooding~~

Dredging Course NE to SE

78

Station No. 8603 Date: 7/26/1916

Hour: 4 05 P. M. to 5 05 P. M.

Position: Lat. 37° 23' 30" Long. 76° 4' 50"

Locality: Cherrystone Lt. S 7/8 E & New Pt Comfort Lt SW x W 7/8 W & Wolf Trap Lt W 1/2 N

Depth: 13 F. Bottom: hard Sample:

Wind: Direction, SSE Force, 4-5

Sea: Choppy Sky: Partly cloudy

TEMPERATURES

Depth °	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	77.3				+	
6	98262	78.6				+	B.
13	98267	76.9				+	E
22	80479	75.9				+	G.

11

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.	13-12 1/2	4 28	4 43	
#5 Silk net	Surf	4 28	4 43	
#20 " "	"	4 28	4 43	
Welsh net	13-10-7 1/4	4 50	5 00	

11—5314

NOTES

Tide.

Dredging course (S. to W. to N)

1273

Station No. 8604 Date: 7/27/ 1916

Hour: 7 00 A. M. to 8 15 A. M.

Position: Lat. 37° 35' 24" Long. 76° 11' 24"

Locality: Windmill Pt. St. W x N. 1/2 N x Stingray Pt. St. W x S 5/8 S.

Depth: 7 3/4 F Bottom: Soft. Sample: Soft Black Mud.

Wind: Direction, South Force, 3

Sea: Choppy Sky: Partly Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	77.2				q+	
6	98267	78.4				+	E
13	80479	78.6				q+	g.

12

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

A.

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Beam Trawl & Mud Bag	8 1/2-7 1/2	7 39	7 54	
#5 Silk Net	Surf.	7 39	7 54	
#20 Silk Net	Surf.	7 39	7 54	
Welsh Net	7 1/4-7	8 00	8 10	

11—5314

NOTES

Tide Flooding

Dredging Course (S x E)

1223.

Station No. 8605 Date: 7/27/ 1916

Hour: 8 40 A. M. to 9 00 A. M.

Position: Lat. 37° 34' 20" Long. 76° 7' 54"

Locality: Stingray Pt Lt. West. Windmill Pt. Lt. W.N.W.

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

Wind: Direction, S.W. Force, 3

Sea: Choppy Sky: Partly cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	77.2				0+	
9	80479	79.0				9+	g

13

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Mud Bag	7-7	8 47	8 55	

11—5314

NOTES

Tide Flooding

Dredging Course (E x S 1/2 S)

1223

Station No. 8606 Date: 7/27/1916

Hour: 9 33 A.M. to 10 25 A.M.

Position: Lat. 37° 33' 7" Long. 76° 2' 34"

Locality: San Marcos Wrk. N 3/8 W
Maps Creek Pt E x S

Depth: 10 1/4 F Bottom: Soft Sample:
Soft Black Mud & Marine growth

Wind: Direction, SW 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.	77.8				g+	
5	98262	78.9				+	B
10	98267	78.0				g+	E
17	80479	77.3				+	g

14 3

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: [illegible] 15
[illegible] 10 [illegible]

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Beam Trawl & M-B.	10 1/2-9	9 53	10 08	
#5 Silk Net	Surf	9 53	10 08	
#20 " "	Surf	9 53	10 08	
Welsh Net	8 3/4-8 1/2	10 16	10 21	

11—5314

NOTES

Tide Flooding
Dredging Course (S 1/2 E)

1223

Station No. 8607 Date: 7/27/ 1916

Hour: 10.45 A. M. to 11.20 A. M.

Position: Lat. 37° 33' 19" Long. 75° 58' 21"

Locality: 500 yds. N. W. x W. 1/2 W. from Can Buoy #1.

Depth: 3 F. Bottom: Hard. Sample:

Wind: Direction, SW. Force, 3.

Sea: Choppy. Sky: Clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	77.8				g+	
4	80479	79.0				+	g

15

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Ottertrawl	Surf.	11 02	11 04	
B T & M.B.	4 3/4-13	11 09	11 17	
#5 Silk net	Surf.	11 09	11 17	
#20 " "	Surf	11 09	11 17	

11—5314

NOTES

Tide Flooding

Dredging Course (ENE)

3 1/4

1223

Station No. 8608 Date: 7/27/ 1916

Hour: 2 02 P. M. to 3 38 P. M.

Position: Lat. 37° 52' 5" Long. 76° 9' 39"

Locality: Great Wicomico St. S.W.xW. 1/4 W.
Smith's Pt. St. N.N.W. 1/2 W.

Depth: 23 F. Bottom: Soft Sample:

Wind: Direction, SW Force, 3

Sea: Smooth Sky: Partly Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.5				q+	
9	98267	78.5				q+	E
18	98262	77.5				q	B
20	98262	77.7				+	B
30	98267	77.6				q+	E
40	80479	78.0				q+	g

16

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth F	TIME Down	TIME Up	Speed
1/2 Meter Vertical	23-0	2 25	2 26	
Beam Trawl & M.B.	20 3/4-24 1/2-25	2 40	3 00	
#5 Silk net	Surf	2 40	3 00	
#20 " "	Surf	2 40	3 00	
Welsh net	26-25-24-	3 17	3 32	

11—5314

NOTES

Tide Ebbing
Dredging Course (S x W)

Depths on Beam Trawl haul
20 3/4-24 1/2-25-25 1/4-25

Welsh net haul
26-25-24-19 1/4

1223

Station No. 8609 Date: 7/27/ 1916

Hour: 4 12 P. M. to 4 23 P. M.

Position: Lat. Long.

Locality: Too thick to get bearings

Depth: 7.F. Bottom: Soft Sample:

Wind: Direction, NW Force, 2

Sea: Choppy Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.5				A +	
5	98267	79.0				+	E
11	80479	78.8				B +	g

17

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
~~BT & WB~~				

11—5314

NOTES

Tide Ebbing

~~Dredging Course~~

N 23.

Station No. 8610. Date: 7/27/16 191

Hour: 4 50 P. M. to 5 36 P. M.

Position: Lat. 37° 52' 24" Long. 76° 4' 59"

Locality: Smiths Pt. W. 7/8 N. San Marcos Wrk S. 3/8 W. (Sanger Island Lt S.E. 1/2 S.)

Depth: 3 F Bottom: hard Sample:

Wind: Direction, NW Force, 1

Sea: Smooth Sky: OC & Raining

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	BF	78.2				g +	
4	98262	79.0				+	B

18

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
BJ & M.B.	4 3/4 - 5 3/4	5.26	5.36	
#5 Silk net	Surf	5.26	5.36	
#20 " "	Surf	5.26	5.36	

11—5314

NOTES

Tide Ebbing

Dredging Course (SSE)

1224

Station No. 8611 Date: 7/28/16 191

Hour: 5.42 A.M. to 6.42 A.M.

Position: Lat. 38° 0' 27" Long. 76° 22' 54"

Locality: Ball Buoy N.W. 3/4 W. } Fish Buoy
Pt Lookout Lt. N.E. x E. 1/4 E. } NW 3/4 N

Depth: 6 F Bottom: Soft Sample: 100 yds distant

Wind: Direction, West. Force, 3.

Sea: Smooth. Sky: Clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.8				+	
6	98262	79.1				+	B
11	80479	78.7				+	g

19.

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

A.

NETS, ETC., USED night

Description	Depth F.	TIME Down	TIME Up	Speed
Beam Trawl MB.	6-5 1/2	6 06	6 22	
#5 Silk net	Surf	6 06	6 22	
#20 " "	Surf	6 06	6 22	
Otter trawl	3 1/2-4 3/4	6 31	6 38	

11—5314

NOTES

Tide-Ebbing.

Dredging Course (W 1/2 N)

1224

Station No. 8612 Date: 7/28/1916

Hour: 7 12 A. M. to 7 38 A. M.

Position: Lat. 38° 1' 20" Long. 76° 21' 2"

Locality: Pt. Lookout Light N.E.X.E.1/4 E.
Bell Buoy W.X.N.1/4 N.

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

Wind: Direction, West. Force, 3

Sea: Smooth. Sky: Clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F	78.8				q+	
6	98262	79.6				+	B
13	98267	78.0				f+	E
22	80479	82.8				q+	g.

20

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Mud Bag	12½-12¼	7 26	7 34	

11—5314

NOTES

Tide Ebbing.

Dredging Course (W X N)

1224.

Station No. 8613 Date: 7/28/1916

Hour: 7 55 A. M. to 8 40 A. M.

Position: Lat. 38° 2' 44" Long. 76° 20' 43"

Locality: Pt Lookout Light S.E. x E. 5/8 E.
Cornfield Pt. NW 1/2 a.

Depth: 4 3/4 F. Bottom: Soft. Sample:
Soft Mud & Marine growth

Wind: Direction, WNW 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.	78.8				g +	
8	70479	79.0				+	g.

21

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Beam Trawl & M.B.	5-6 1/4	8 07	8 22	
#3 Silk net	Surf.	8 07	8 22	
#20 Silk net	Surf.	8 07	8 22	
Welsh Net	6 3/4-7 1/2-8 1/2	8 29	8 35	

11—5314

NOTES

Tide Ebbing
Dredging Course (WNW)

1224.

Station No. 8614. Date: 7/28/1916

Hour: 9 51 A. M. to 10 15 a. M.

Position: Lat. 38° 6' 6" Long. 76° 17' 20"

Locality: Pt. No Pt. St. N. 3/8 E.
Holland Is. Bar St. E x S. 5/8 S.

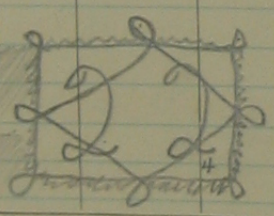
Depth: 6 1/2 F. Bottom: soft Sample:

Wind: Direction, WNW Force, 2

Sea: Smooth Sky: O.C.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.4				g+	
9	80479	79.0				F+	g



CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B.T & M.B.	6 1/2-5	9 59	10 14	
#5 Silk Net	Surf	9 59	10 14	
#20 " "	Surf	9 59	10 14	

11—5314

NOTES

Tide Ebbing
Dredging Course (NNE)

Station No. 8615 Date: 7/28/1916

Hour: 11 09 A. M. to 11 30 A. M.

Position: Lat. Long.

Locality: Too thick for observation

Depth: ~~5~~ 18 F. Bottom: Sample:

Wind: Direction, NE Force,

Sea: Smooth Sky: Oc & Raining

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.2				8+	
6	98262	79.1				8+	B
12	98267	79.0				8+	B
22	80479	78.2				8+	E
32	98262	76.0				+	G

23

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 9-18-27-37

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
1/2 Meter Vertical	16 3/4-0	11 24	11 27	

11—5314

NOTES

Tide Ebbing

B
B
E
G

1224.

Station No. 8616 Date: 7/29/1916.

Hour: 10 25 A. M. to 11 50 A. M.

Position: Lat. 38° 13' 44" Long. 76° 15' 35"

Pt. No. Pt. St. S. x W 3/4 W x

Locality: Cedar Pt. St. NW 1° N x

Hooper Is. St. N x E 3/4 E.

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

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

Sea: Smooth. Sky: Clear.

TEMPERATURES

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

24

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
B. T. & M. B.	16 1/2-16 1/2	10 28	10 35	
#5 Silk net	Surf.	10 28	10 35	
#20 " "	"	10 28	10 35	
"Ledvinka's" Hydroid Dredge	20-19	11 15	11 25	
Beam Trawl & M.B.	19-20	11 34	11 44	

11—5314

NOTES

Tide Ebbing

Dredging Course (N x W 1/2 W)

1224

Station No. 8617 Date: July 29-30 191.

Hour: 12 00 29th . M. to . M.

Position: Lat. 38° 16' 28" Long. 76° 16' 38"

Locality: Hooper Sd. Pt. S.E.
Cedar Pt. Pt. N.W. x W. S/8 W.
Pt No. Pt. S.1/8 W.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
12 00 N series							
0	[illegible]	77.4				+	B.F
8	98262	78.0				+	B
15	[illegible]	78.0				+	B
24	98267	76.9				+	E
33	80474	78.5				+	G
0	1 30 P.M. B.F.	77.8				+	B.F
6	95262	78.0				+	B
15	"	77.5				+	B
24	98267	77.0				+	E
33	80474	77.1	3 00 P.M. series			+	G.
0	B.F.	78.5				+	
8	98262	78.1				+	B
15	98262	77.8				+	B
24	98267	77.0				+	E
33	80479	77.2				+	G

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
5	2 10 P.M.		5'	178		S
2) 15	2 01 "		"	662		NE
25	1 49 "		"	631		NEXE
5	3 24		5 1/6	85		EXN
2) 15	3 15 "		5	604		NNW
25	3 06 "		-	487		ENE

Color of water: Transparency:

REMARKS:

Current meter #76

a.

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

NOTES

11—5314

Station No. 8617-cont 2 Date:

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
		4 30 P.M. series					
0	B.F.	78.0				+	
8	98262	78.0				+	B
15	98262	77.9				+	B
24	98267	77.0				+	E
33	80479	77.26				+	g
		6 00 P.M. series					
0	BF	78.1				+	
8	98262	78.8				+	B
15	98262	77.3				+	B
24	98267	77.0				+	E
33	80479	77.2				+	g
		7 30 P.M. series					
0	B.F.	77.6				+	
8	98262	78.1				+	B
15	98262	77.0				+	B
24	98267	77.0				+	E
33	80479	77.1				+	g

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
5	4 50 P.M.		6'	258		ESE
15	4 42 "		5'	268		SSE
25	4 34 "		5 1/4"	306		SSE
5	6 25		5'	444		ENE
15	6 16		"	88		NXW
25	6 05		"	44		ESE

Color of water: Transparency:

REMARKS:

5	7 51	5	493	EXS
15	7 43	5'	714	NXW
25	7 35	5	382	NXW

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

Station No. 8617-cont-3 Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
		9 P.M. series					
0	B.F	77.2				+	
8	98262	78.0				+	B
15	98262	77.0				+	B
24	98267	77.0				+	E
33	80479	77.0				+	g
		2d P.M. series					
0	B.F.	77.0				+	
8	98262	78.0				+	B
15	98262	77.0				+	B
24	98267	77.0				+	E
33	80479	77.1				+	g
		12 midnight July 30.					
0	B.F.	77.0				+	B
8	98262	78.0				+	B
15	98262	77.0				+	E
24	98267	77.0				+	g
33	80479	77.1					

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
5	9 41 PM		5'	380		NW
8 15	9 32 "		5'	196		WNW
25	9 22 "		5'	14		ESE
5	10 55		5	95		SSE
8 15	10 46		"	264		SSW
25	10 36		"	200		S

Color of water: Transparency:

REMARKS: July 30

Depth	Hour	Time down	Revolutions	Direction
5	12 24 AM	5'	275	SXW
9 15	12 15	"	246	SXE
25	12 03	"	540	S

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

Station No. 8617-11 Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
		1st A.M. series July 20					
0	B.F.	76.8				+	
8	98262	78.2				+	B
15	98262	77.3				+	B
24	98267	77.0				+	E
33	80479	77.3				+	g
		3rd A.M. series					
0	B.F.	76.8				+	
8	98262	78.2				+	B
15	98262	77.6				+	B
24	98267	77.0				+	E
33	80479	77.5				+	g
		4th A.M. series					
0	B.F.	77.0				+	
8	98262	78.0				+	B
15	98262	77.3				+	B
24	98267	77.0				+	E
33	80479	77.7				+	g

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
5	2.05 A M		5'	414		SSW
10 15	1.57 "		"	619		South
25	1.47 "		"	570		SxW
			"			
5	3.28 "	High	"	278		SWxS
11 15	3.20 "	water	"	641		S
25	3.12 "	slack	"	423		SxW

Color of water: Transparency:

REMARKS:

11—5314

5	4.56 "	5'	4	O
12 15	4.48 "	"	434	SxE
25	4.40 "	"	99	SxW

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

Station No. 8617-5 Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
		6⁰⁰ A M series					
0	B.F.	76.5				+	
8	98262	78.0				+	B
15	98262	77.5				+	B
24	98267	77.0				+	E
33	80479	77.8				+	g
		7³⁰ A M. series					
0	B.F.	76.5				+	
8	98262	78.0				+	B
15	98262	77.6				+	B
24	98267	77.0				+	E
33	80479	77.5				+	g
		9⁰⁰ A M. series					
0	B.F.	77.8				+	
8	98262	77.9				+	B
15	98262	77.8				+	B
24	98267	77.0				+	E
32	80479	77.8				+	g

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
5 M	6⁴⁴ A M		5-	342		NWxN
13 15	6⁵³ "		5-	203		NxW
25	6⁶⁵ "		5-	122		N
5	8⁰⁰ "		"	600		NWxN
14 15	7⁵² "		"	34		NW
25	7⁴⁴ "		"	165		NxE

Color of water: Transparency:

REMARKS:

11—5314

5	9⁰⁰ "	5-	556	NW
15	9¹³ "	"	75	NWxN
25	9⁰⁵	"	155	NxE

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

Station No. 8617-6 Date: 191

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
		10 30 A.M. series					
0	BF	78.3				+	
8	98262	77.8				+	B
15	98262	77.6				+	B
24	98267	77.0				+	E
33	80479	77.5				+	g
		12 00 Noon July 30					
0	B.F.	78.8				+	
8	98262	78.0				+	B
15	98262	77.1				+	B
24	98267	77.0				+	E
33	80479	77.3				+	g

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
5	10 32 A M		5'	387		NW
15	10 45 "		"	150		NXE
25	10 55 "		"	40		O
5	12 11 P M		5	186		WXS
15	12 04		"	22		O
25	11 57 62 A M		"	41		SE

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

B = Biglow

E = Eckman

g = Greene

1224

Station No. 8618 Date: July 30 1916

Hour: 1 35 P.M. M. to 3 50 P. M.

Position: Lat. 37° 20' 30" Long. 76° 18' 12"

Locality: Hooper Is Lt. S x E 7/8 E.
Buoy 16-D E 3/4 S.

Depth: 25 1/4 Bottom: Soft. Sample: Soft Black Mud.

Wind: Direction, S. 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	77.4			q	+	
8	98267	78.0				+	E
16	80474	77.5			q	+	G
26	98262	76.1				+	B
36	95261	76.9			q	+	E
46	80474	77.3				+	G

26

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

A.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
1/2 meter vertical	25-0	1 45	1 50	
B.T. + mud dredge	20-21 1/4	2.22	2 27	
#5 + 20 silt nets	Surf.	2.22	2 27	
Ledowska h.d.	22	3 03	3 10	
Bottom Feeler	23 1/2-24	3 22	3 30	
Bottom Feeler	24 1/2-24	3 34	3 43	

11—5314

NOTES

Tide flooding

Dredging Course S S E

22-22 1/2

1224

Station No. 8679 Date: 7/30/1916

Hour: 4 20 P. M. to 4 25 P. M.

Position: Lat. 38° 21' 16" Long. 76° 22' 0"

Buoy #21 - NE x N 5/8 N

Locality: Drum Pt Lt. S.W. x W. 1/8 W.

Cove Pt. Lt. N x W 3/8 W, Cedar Pt Lt. S 3/8 W.

Depth: 4 1/4 Bottom: Sample:

Wind: Direction, South Force, 3

Sea: Smooth Sky: O C

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.1				g+	
6	80479	79.5				+	g

27

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

Tide ~~ebbing~~ flooding

1225

Station No. 8620 Date: 7/30/ 1916

Hour: 5.55 P. M. to 6.05 P. M.

Position: Lat. 38° 31' 54" Long. 76° 25' 10"

Locality: Buoy 18a north.
Buoy 16 F. E 1/4 S.

Depth: 11 1/4 Bottom: soft. Sample:

Wind: Direction, SSW Force, 3

Sea: smooth Sky: Oc Cg

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0							
0	B.F.	78.8				g+	
9	98267	78.5				g+	E
19	50479	76.0				+	g

28

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed

11—5314

NOTES

Tide Flooding

1225

Station No. 8621 Date: 7/30/ 1916

Hour: 6 30 P. M. to 6 35 P. M.

Position: Lat. 38° 30" 35" Long. 76° 29' 56"

Locality: Fish Buoy 2 B. N. 3/4 E. Governors Run Wharf W. S. W.

Depth: 9 1/4 Bottom: Soft Sample:

Wind: Direction, SSW Force, 1

Sea: Smooth Sky: Oc 4. g.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.5				g +	
9	80479	79.1				+	g

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 Flooding

Station No. 8622 Date: 7/31/1916

Hour: 6 13 A. M. to 6 50 A. M.

Position: Lat. 38° 40' 21" Long. 76° 25' 12"

Locality: Sharpes St. S.E. 3/8 S.
Buoy #1 E 3/4 N.

Depth: 20½ Bottom: soft mud Sample:

Wind: Direction, West Force, 3

Sea: Choppy Sky: Oc & Sg.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	77.2				+	
8	98262	78.1				+	B
15	98262	76.8				+	B
25	98267	75.1				+	E
35	80479	75.2				+	g

30

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Beam T. & Hydro Dredge	20½-16½	6 38	6 53	
#5620 Silk nets	surf	6 38	6 53	

11—5314

NOTES

Tide flooding
Dredging Course (S ½ W)

Depths 20½-18½-16½

Station No. 8623 Date: 7/31/ 1916

Hour: 8 20 A. M. to 9 05 A. M.

Position: Lat. 38° 49' 42" Long. 76° 27' 24"

Locality: Bloody Pt St. East
Can Buoy 27 NW 3/4 N

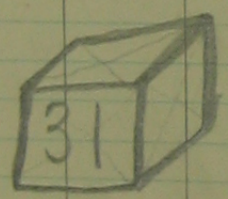
Depth: 5 F Bottom: Soft Sample:

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.	77.8				g+	
3	95267	78.9				+	E
8	80479	78.5				g+	g



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.	5 1/4-5 1/2	8 34	8 49	
#5 Silk net	Surf	8 34	8 49	
#20 Silk net	Surf	8 34	8 49	
Hydroid Feeler	5-5 1/2	8 57	9 02	

11—5314

NOTES

Tide; High-water Slack

Dredging Course (S x W 1/2 W)

2nd Dredging Course (SW x S)

Station No. 8624 Date: 7/31/1916

Hour: 9 20 A. M. to 9 30 A. M.

Position: Lat. 38° 49' 36" Long. 76° 25' 42"

Locality: Thomas Pt Lt N 1/8 E
Bloody Pt Lt E 3/4 N

Depth: T.F. Bottom: Soft Sample:

Wind: Direction, West Force, 2

Sea: Smooth Sky: Clear & Hazy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	77.5				Sf	
5	98267	78.5				+	E
11	80479	78.0				Sf	g

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

11—5314

NOTES

Tide Ebbing

Station No. 8625 Date: 7/31/1916

Hour: 9 42 A. M. to 11 00 A. M.

Position: Lat. 38° 50' 10" Long. 76° 23' 44"

Locality: Bloody Pt Ft S E 1/8 E
Thomas Pt Ft. N x W 7/8 W

Depth: 23 F. Bottom: Soft Sample: Soft Black mud.

Wind: Direction, West Force, 2

Sea: Smooth Sky: Clear & Hazy Horizon

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
	B.F.						
0	15 F.	77.4				F+	
6	98262	78.5				+	B
13	98267	77.1				g+	E
22	98262	75.1				f+	D
32	98267	74.5				g+	E
42	80479	75.0				+	g

33

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	23-0	10 57	10 59	
B.T. & Hydroid Feeder	16-18 3/4	10 20	10 43	
#5 little net	Surf	10 20	10 43	
#20 " "	Surf	10 20	10 43	
Welsh Net.	22-17 1/2	10 55	11 00	

11—5314

NOTES

Tide Ebbing

Dredging Course S x W

Depths on Dredging Course for Beam trawl
16-16 3/4-17 1/2-18 3/4

Station No. 8626 Date: 7/31 1916

Hour: 12 47 P. M. to 12 56 P. M.

Position: Lat. 39-01-28 Long. 76-22-31

Locality: Sandy Pt. Li SW¼W. Balto Li. NXW 7/8W. Love Pt. Li. EXN 5/8N.

Depth: 9 F. Bottom: Soft Sample:

Wind: Direction, West Force, 2

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.	78.9				qt	
7	98267	78.8				+	E
15	98267	77.6				qt	E

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

Station No. 8627 Date: 7/31/ 1916

Hour: 1 18 P.M. to 1 28 P.M.

Position: Lat. 39-01-30 Long. 76-20-34

Sandy Pr. li. W ⅞ S. Balto. li NW.

Locality: Cove Pr. li. NE x E ½ E.

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

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.	78.8				q+	
5	80479	79.5				+	gr
13	98262	76.9				q+	B.
22	98267	74.8				q+	E

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

11—5314

NOTES

Station No. 8628 Date: 8/30/ 1916

Hour: 1 42 P. M. to 4 30 P. M.

Bloody Pt. region 7 hauls

Position: Lat. 38-52-09 Long. 76°-24'00

Locality:

Depth: 17½ F Bottom: Soft. Sample:

Wind: Direction, South Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

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

1225

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
L. Hydroid Dredge	17½-16½	1 43	1 50	1
Bottom Feeler	" "	1 43	1 50	
L. Hydroid Dredge	18-21	2 08	2 13	2
Bottom Feeler	18-21	2 08	2 13	
L. Hydroid Dredge	22½-27½	2 27	3 00	3
Bottom Feeler	22½-27½	2 27	3 00	
L. Hydroid Dredge	19-18	3 15	3 23	4
Bottom Feeler	19-18	3 15	3 23	
L. Hydroid Dredge	17-11	3 37	3 40	5
Bottom Feeler	17-11	3 37	3 40	

11—5314

NOTES

6th & 7th hauls place here

Dredging Course for first 3 hauls S ½ W

Dredge fouled on bottom at 2 32

{Dredging Course 4th haul SSW}

	Depth	Down	Up	
L. Hydroid Dredge	17½-9½	3 20	4 00	6
Bottom Feeler	17½-9½	3 20	4 00	
L. Hydroid Dredge	10-11	4 08	4 18	7
Bottom Feeler	10-11	4 08	4 18	

Station No. 8629 Date: 8/30/16

Hour: 4 40 P. M. to 5 00 P. M.

Off Poplar 2d 1 haul

Position: Lat. 38-45-22 Long. 76-25-55

Locality:

Depth: 14 F Bottom: Soft Sample:

Wind: Direction, South Force, 1

Sea: Smooth Sky: Clear

TEMPERATURES

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

1225

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
L. Hydroid Dredge	14-14	445	455	
Bottom Feeler	14-14	445	455	

11—5314

NOTES

Dredging Course S x W 1/4 W

Station No. 8630 Date: 8/30/16 191

Hour: 5 45 P. M. to 6 02 P. M.
Above Sharps Id 1 haul

Position: Lat. 38-39-50 Long. 76-25-18

Locality:

Depth: 16 F Bottom: Soft Sample:

Wind: Direction, South Force, 1

Sea: Smooth Sky: Clear

TEMPERATURES

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

1225

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
L. Hydroid Dredge	16-16½	5 49	5 59	
Bottom Feeler	16-16½	5 49	5 59	

11—5314

NOTES

Dredging Course (S x W 1/4 W)

Station No. 8631. Date: 8/31/16. 191

Hour: 7 22 a. M. to 8 00 a. M.

Choptank R. below Telegraph 2 hauls

Position: Lat. 38-38-46 Long. 76-19-08

Locality:

Depth: 9 F. Bottom: Fairly hard. Sample:

Wind: Direction, WSW Force, 3.

Sea: Smooth. Sky: Clear.

TEMPERATURES

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

225

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
L. Hydrid Dredge.	9-10	7 22	7 37	
13 ft. feeler	9-10	7 22	7 37	
L. Hydroid Dredge	11-7	7 45	7 52	
13 bottom feeler	11-7	7 45	7 52	

11—5314

NOTES

Dredging Course:

E.N.E.

Station No. 8632 Date: 8/31/16 191

Hour: 900 a. M. to 930 A. M.
Mouth Choptank R. 2 trawls.

Position: Lat. 38-34-08 Long. 76-23-27

Locality:

Depth: 18½ F Bottom: Soft Sample:

Wind: Direction, WSW Force, 3

Sea: Smooth Sky: Clear

TEMPERATURES

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

1225

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
L. Hydroid Dredge	18½-14½	901	914	
Bottom Feeler	18½-14½	901	914	
R. Hydroid Dredge	13½-12½	933	945	
Bottom Feeler	13½-12½	933	945	

11—5314

NOTES

Dredging Course (S x W)

Station No. 8633 Date: 8/31/16 191

Hour: 10 24 A. M. to 10 48 A. M.
? James Rd. 1 mile

Position: Lat. 38-28-20 Long. 76-23-30

Locality:

Depth: 18 F. Bottom: Soft Sample:

Wind: Direction, WSW Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

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

1225

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 Hydroid Dredge	18-10 1/4	10 27	10 41	
Bottom Feeder	18-10 1/4	10 27	10 41	

11—5314

NOTES

Dredging Course ( )

Station No. 8634 Date: 8/31/16 191

Hour: 10 54 a. M. to 11 40 A. M.

Off Taylor Rd. 2 hauls

Position: Lat. 38-27-45 Long. 76-23-28

Locality:

Depth: 14½ F. Bottom: Soft Sample:

Wind: Direction, WSW Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

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

1225

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
L-Hydroid Dredge	14½-14¾	10 06	11 08	
Bottom Feeler	14½-14¾	10 06	11 08	
R-Hydroid Dredge	15-16½	11 20	11 32	
Bottom Feeler	15-16½	11 20	11 32	

11—5314

NOTES

(SSE 1/2 E) Course Dredging

(S x E) 2nd Dredging Course

Station No. 8635 Date: 8/31/16 191

Hour: 12 05 P. M. to 12 50 P. M.
off Barren Id. 2 hauls

Position: Lat. 38-21-24 Long. 76-19-09

Locality:

Depth: 21 F Bottom: Muddy. Sample:

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

Sea: Smooth Sky: Clear

TEMPERATURES

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

1224

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
Littydroid Dredge	21-21½	12 10	12 22	1
Bottom Feeler	21-21½	12 10	12 22	
Littydroid Dredge	14-16	12 33	12 45	2
Bottom Feeler	14-16	12 33	12 45	

11—5314

NOTES

Dredging Course. (S.S.E.)

Station No. 8636 Date: 8/31/16. 191

Hour: 12 58 p. M. to 1 15 p. M.

? Below Barren Id. 1 Mark

Position: Lat. 38-17-58 Long. 76-17-06

Locality:

Depth: 21 Bottom: Muddy. Sample:

Wind: Direction, W.S.W. Force, 2.

Sea: Smooth Sky: Clear.

TEMPERATURES

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

1224

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

15 Description	Depth	TIME Down	TIME Up	Speed
Hydr'd dredge	21-17	12 58	1 13	
Bottom feeler	21-17	12 58	1 13	

11—5314

NOTES

Course: Dredging.

SXE.

Station No. 8637. Date: 8/31/16. 191

Hour: 1 55 p. M. to 2 40 p. M.

Hooper Id. region 2 trawls

Position: Lat. 38-15-38 Long. 76-16-08

Locality:

Depth: 21. Bottom: muddy. Sample:

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

Sea: Smooth. Sky: clear.

TEMPERATURES

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

124

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

1 12 / 2 15

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
1. Hydro dredge. Bottom feeler.	21-20	1 55	2 07	
2. Hydro dredge. Bottom feeler.	20-20½	2 19	2 34	
~~3. Hydro dredge. Bottom feeler.~~	~~20-~~	~~2 5~~		

11—5314

NOTES

Course: Dredging,

1. S.S.E.

2. S.S.E.

Station No. 8638. Date: 8/31/16 191

Hour: 2.55 P. M. to 3.50 P. M. ~~Point No Point~~ Below Hooper Id. 2 hauls

Position: Lat. 38-13-36 Long. 76-14-46

Locality:

Depth: 9. Bottom: Muddy. Sample:

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

Sea: Smooth. Sky: Clear.

TEMPERATURES

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

1224

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. {Hydr'd dredge. Bottom feeler. 15}	7-10	2.55	3.10	
2. {Hydr'd dredge. Bottom feeler. 15}	11-13-20.	3.18	3.44	

11—5314

NOTES

Dredging course:

1. SXE.

2. S.S.E.

Station No. 8639 Date: 8/31/16.

Hour: 4-36 P. M. to 5-20 P. M.

Off Point No Pt. 2 haves

Position: Lat. 38-07-52 Long. 76-13-36

Locality:

Depth: 19. Bottom: muddy Sample:

Wind: Direction, S. Force, 3-4

Sea: Smooth Sky: Clear.

TEMPERATURES

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

1524

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. Hydrid dredge. Bottom feeder	19-19.	4-36	4-51	
2. Hydrid dredge Bottom feeder	17-12½	5-00	5-15	

11—5314

NOTES

Course - dredging.

1. S. ¼ E.

2. S ½ E

Station No. 8640 Date: 9/1/16 191

Hour: 9⁰⁰ A. M. to 9¹⁵ . M.

Tangier Sound, upper End.

Position: Lat. 38-11-16 Long. 75-58-30

Locality:

Depth: 10 F Bottom: Soft Sample:

Wind: Direction, SW Force, 3

Sea: Smooth Sky: Clear

TEMPERATURES

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

124

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
Hydroid Dredge	10-9	9⁰⁰	9¹¹	
Bottom Feeler	10-9			

11—5314

NOTES

Dredging Course

1. (S 1/2 W)