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
12 x 1
80
72
80

25

)16.667(

365) 2000 (5.479
1825
1750
1460
2900
2555
3450

B = Biglow
E = Eckman
G = Greene

N° 2
6,0 1916

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 F. 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				8+	
7	98262	71.9				8+	B
15	98267	69.5				+	E
21	80479	69.8				8+	G.
3	98262	74.3				[illegible]	B

3

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Dredges 15, 15 & 10

a

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	12¾-13	11 29	12 09	

11—5314

NOTES

Tide Ebbing

Dredging Course (E x S)

Station No. 8596. Date: 7/25/ 191 6

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

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

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

Depth: 7 1/2 F Bottom: Hard Sand Sample: W.H.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				S+	
5	98267	74.4				+	E.
11	80479	71.7				S+	G.

4

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 & 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 (S E x E)

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-13)	4-4	1 01	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. Pitship 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				+	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 ft.	TIME Down	TIME Up	Speed
Btrawl & WB.	6½-7¼	3 03	3 23	
#5 Silk net	Surf	3 03	3 23	
#20 " "	Surf	3 03	3 23	
Welch net.	7¼-7	3 28	3 38	

Flood

11—5314

NOTES

~~Tide Ebbing~~

Dredging course (S E x S ½ S)

12 22.

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 St. E. 3/4 N.
Plantation St. S. E. 1/4 S. Num Buoy 4 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.	73.8				g+	
6	98267	77.0				+	E
11	98262	76.1				g	B
22	98262	73.2				g+	B
32	98267	75.0				+	E
42	80479	73.6				g+	E.

7

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	25-0	9 14	9 15	
Beam Trawl & M.B.	17-21-22	9 41	10 00	
#4 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.	14-16¼-18-24	10 54	11 09	

11—5314

NOTES

Tide Flooding

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

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

2nd Dredging Course (S S W)

Last haul 14-16¼-18-23½-24 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 St. N.W. x W. 1/2 W. ⊙
Old Plantation St. S.E. x E. 1/2 E.

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

Wind: Direction, South Force, 3.

Sea: Choppy Sky: Oc. & Raining

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	76.5				g+	
5	80479	78.0				+	g.
12	98262	75.9				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 08	12 08	

11—5314

NOTES

Tide Flooding
Dredging Course — (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		Speed
		Down	Up	

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 St N.N.E 1/4 E.

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

York Spit St. 8 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: 7.7 = 8 min

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Mud Bag	5 1/4 - 6	12 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 St. S 7/8 E. New Pt Comfort St SW x W 7/8 W. Wolf Trap St 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: [illegible]

11—5314

NETS, ETC., USED

Description	Depth F.	TIME Down	TIME Up	Speed
Beam Trawl & M.B.	13-12½	4 28	4 43	
#5 Silk net	Surf	4 28	4 43	
#20 " "	"	4 28	4 43	
Welsh net	13-10-7½	4 50	5 20	

11—5314

NOTES

Tide.
Dredging course. (S. to W. to N)

12 ~~13~~

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 mi. x Stingray Pt. St. W x S 3/8 mi.

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

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	13 F.	77.2				Sf	
6	98267	78.4				+	E
13	80479	78.6				Sf	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	8½-7½	7 39	7 54	
#5 Silk net	Surf.	7 39	7 54	
#20 Silk net	Surf.	7 39	7 54	
Welsh net	7¼-7	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				0+	g

13

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME		Speed
	F.	Down	Up	
Mud Bag	7-7	8 47	8 53	

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		Speed
		Down	Up	
Beam Trawl & M-B.	10½-9	9 53	10 08	
#5 Silk Net	surf	9 53	10 08	
#20 " "	surf	9 53	10 08	
Welsh Net	8¾-8½	10 16	10 21	

11—5314

NOTES

Tide flooding
Dredging Course (S ½ 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, S.W. 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

3/5 32 80
1760

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 SW. x W. 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.	20¾-24½-25	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
20¾-24½-25-25¼-25

Welsh net haul
26-25-24-19¼

1223

Station No. 8609 Date: 7/27/ 1916

Hour: 4 15 P. M. to 4 25 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: OC&R

TEMPERATURES

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

17

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: [illegible]

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
~~BT & W.B~~				

11—5314

NOTES

Tide Ebbing

~~Dredging Course~~

1223.

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 Ex. 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	13 F	78.2				8+	
4	98262	79.0				+	B

18.7

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

a.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
B J & M.B.	4¾ - 5 3/5	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 (S S E)

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: Bell Buoy N.W. 3/4 W. Fish Buoy
Pt Lookout St. N.E. x E. 1/4 E. NW 3/4 N 100 yds distant

Depth: 6 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				+	
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	5 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.×E.1/4 E. Bell Buoy W×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				W+	
6	98262	79.6				+	B
13	98267	78.0				F+	E
22	80479	82.8				W+	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 N.

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	80479	79.0				+	g.

21

3

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.T.B.	5-6¼	8 07	8 22	
#3 Silk net	Surf	8 07	8 22	
#20 Silk net	Surf	8 07	8 22	
Welsh Net 6¾-7½-8½		8 29	8 35	

11—5314

NOTES

Tide Ebbing

Dredging Course (WNW)

12-4.

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's Bar St. E. x S. 5/8 S.

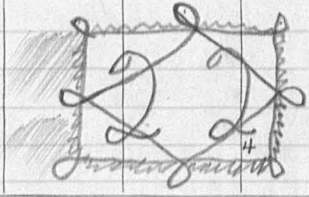
Depth: 6 1/2 F. Bottom: soft Sample:

Wind: Direction, WNW Force, 2

Sea: Smooth Sky: Oc.

TEMPERATURES

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



CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

A.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
B.T & M.B.	1½-5'	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 (N N E)

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: ~~16~~ F. Bottom: Sample:

Wind: Direction, NE Force,

Sea: Smooth Sky: Ocd Raining

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.2				+	
6	98262	79.1				+	13
12	98267	79.0				+	15
22	80479	73.2				+	5
32	98262	76.0				+	9

2.3

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 9-18-27-37

11—5314

A.

NETS, ETC., USED

Description	Depth	TIME		Speed
	F	Down	Up	
1/2 Meter Vertical	16 3/4-0	11 26	11 27	

11—5314

NOTES

Tide Ebbing

B
B
2
9

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"

Locality: Pt. No. Pt. St. S. x W 3/4 W x Cedar Pt. St. NW 1° N x Hooper Is. St. NxE 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		Speed
		Down	Up	
B. J. & M. B.	16½-17½	10 28	10 35	
#5 Silknet	Surf	10 28	10 35	
#20 " "	"	10 28	10 35	
"Ledwinka's" Hydroid Dredge	20-19	11 49	11 25	
Beam Trawl & M.B.	19-20	11 54	11 44	

11—5314

NOTES

Tide Ebbing

Dredging Course (N x W½W)

1224

Station No. 8617 Date: July 29-30 1916

Hour: 12.00 29th . M. to . M.

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

Locality: Hooper Sd. Lt. S.E.
Cedar Pt. Lt. N.W.x W. 5/8 W.
Pt No. Pt. S. 7/8 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	B.F.	77.4				+	B.F
8	98262	78.0				+	B
15	"	78.0				+	B
24	98267	76.9				+	E
33	80479	78.5				+	G
0	1.30 P.M. series B.F.	77.8				+	B.F
8	95262	78.0				+	B
15	"	77.5				+	B
24	98267	77.0				+	E
33	80479	77.1	3.00 PM 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 PM		5'	178		S
1) 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: 11—5314

Current meter #96

a.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Station No. 86/7-cont 2 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
		4 3rd P.M.					
0	B.F.	78.0				+	
8	98262	78.0				+	B
15	98262	77.9				+	B
24	98267	77.0				+	E
33	80479	77.2				+	g
		6th P.M.					
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 3rd P.M.					
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:

11—5314

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

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Station No. 8617 - cast - 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. sets					
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
		3rd P.M. sets					
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 P.M.		5'	380		NW
15	9 32 "		5'	196		WNW
25	9 22 "		5'	14		ESE
5	10 55		5	95		SSE
15	10 46		"	264		SSW
25	10 36		"	200		S

Color of water: Transparency:

REMARKS: July 30

5	12 22 A.M.	5'	275	SSW
15	12 13	"	246	SSE
25	12 03	"	540	S

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Station No. 8617-4 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	Bottom 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 "		"	370		SxW
			"			
5	3.28 "	High water slack	"	278		SWxS
11 15	3.20 "		"	641		S
25	3.12 "		"	423		SxW

Color of water: Transparency:

REMARKS: 11—5314

5	4.56 "		5'	4	0
IV 15	4.48 "		"	434	SxE
25	4.40 "		"	99	SxW

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

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
		6 00 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	7 30 A M. series			+	g
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
		9 00 A M. series					
0	B.F.	77.8				+	
8	98262	77.9				+	B
15	98262	77.8				+	B
24	98267	77.0				+	E
33	80479	77.8				+	g

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
5 M	6 44 A M		5	342		NWxN
13 15	6 33 "		5	203		NxW
25	6 25 "		5	122		N
5	8 00 "		"	600		NWxN
14 15	7 52 "		"	34		NW
25	7 44 "		"	165		NxE

Color of water: Transparency:

REMARKS: 11—5314

5	9 20 "	5	556	NW
15 15	9 13 "	"	75	NWxN
25	9 05	"	155	NxE

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

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.					
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	BF	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 AM		5'	387		NW
15	10 45 "		"	180		NNE
25	10 55 "		"	40		O
5	12 11 PM		5	186		WNW
15	12 04		"	22		O
25	11 57 67 AM		"	41		SE

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

B = Biglow

E = Eckman

G = Greene

1224

Station No. 8618 Date: July 30 1916

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

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

Locality: Hoopers St. & E 7/8 E. Buoy 16-D E 3/4 S.

Depth: 2 3/4 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			9	+	
8	98267	78.0				+	E
16	80474	77.5			9	+	G
26	95262	76.1				+	B
36	95261	76.9			8	+	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 37	
#5 & 20 silt nets	Surf.	2.22	2 37	
Ledovika 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 S8E

22-22 1/2

1224

Station No. 8619 Date: 7/30/1916

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

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

Locality: Buoy #21 - N E x N 3/8 N.
Drum Pt Ft. S.W. x W. 1/8 W.
Cove Pt. Ft. N x W 3/8 W, Cedar Pt Ft. S 3/8 W.

Depth: 4 1/4 Bottom: Sample:

Wind: Direction, South Force, 3

Sea: Smooth Sky: Oc

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F. 80479	78.1				+	
6		79.3				+	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		Speed
		Down	Up	

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: clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	78.8				S+	
9	98267	78.5				S+	E
10	80479	76.0				+	S

28

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

a.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

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: 5 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				8	
9	80479	79.1				+	g

29

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

R.

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 M.

Depth: 20½ Bottom: soft mud Sample:

Wind: Direction, West Force, 3

Sea: Choppy Sky: Oc & Sq.

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		Speed
		Down	Up	
Beam T. & Hydro Dredge	20½ - 16½	6 38	6 53	
#5 & 20 Silk nets	surf	6 38	6 53	

11—5314

NOTES

Tide flooding
Dredging course (8 ½ aJ)
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

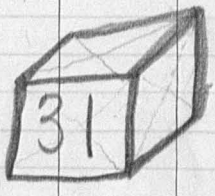
Depth: 5F Bottom: Soft Sample:

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				8+	
3	98267	78.9				+	E
8	80479	78.5				8+	9



CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
		L				

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
B T.& M B	5 1/4-5 1/2	8 34	8 49	
#3 - 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+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"
Thomas Pt Lt N 1/8 E
Locality: Bloody Pt Lt E 3/4 N

Depth: 7 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				W	
5	98267	78.5				W	E
11	80479	78.0				W	G

32

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

Station No. 8625 Date: 7/31/1916

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

Position: Lat. 38° 30' 10" Long. 76° 23' 44"

Locality: Bloody Pt Lt 8 E 1/8 E
Thomas Pt Lt. 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	78°F.	77.4				F+	
6	98262	78.5				+	B
13	98267	77.1				F+	E
22	98262	75.1				F+	B
32	98267	74.5				F+	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 58	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 3/4	10 53	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

1926

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. SW 1/4 W. Balto Li. NXW 7/8 W. Love Pt. Li. EXN 5/8 N.

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				9+	
7	98267	78.8				+	E
15	98267	77.6				9+	E

34

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

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 Pt. li. W 7/8 S. Balto. li NW.

Locality: Cove Pt. li. NE x E 1/2 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		Speed
		Down	Up	

11—5314

NOTES

Station No. 8628 Date: 8/30/ 1916

Hour: 1 42 P. M. to 4 20 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	TIME Down	TIME Up	Speed
L. Hydroid Dredge	17½-16¾	1 43	1 30	1
Bottom Feeler	" "	1 43	1 30	
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

L 6th & 7th hauls plow bottom

for first 3 hauls

Dredging Course S ½ W

Dredge fouled on bottom at 2 32

{Dredging Course 4th haul SSW}

	Depth	Down	Up	
L Hydroid Dredge	17½-9½	3 30	4 00	6
Bottom Feeler	17½-9½	3 30	4 00	
L. Hydroid Dredge	10-11	4 08	4 18	7
Bottom Feeler	10-11	4 08	4 18	

Station No. 8629 Date: 8/30/16 191

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

Position: Lat. 38-45-22 Long. 76-25-55 off Poplar 2d 1 mile

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 rd 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
0	BT.	72				1	C.

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	5-47	5-59	
Bottom Feeder	16-16½	5-49	5-59	

11—5314

NOTES

Dredging Course (S x W 1/2 W)

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

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

Position: Lat. Choptank R. below Tilghman 2 hauls 38-38-46 Long. 76-19-08

Locality:

Depth: 9 F. Bottom: Fairly hard. 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

1225

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	
L. Hydrd Dredge.	9-10	7 22 P.M.	7 37 P.M.	
Bott. feeler	9-10	7 22	7 37	
L. Hydraid Dredge	11-7	7 45	7 52	
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: 9 00 a. M. to 9 00 A. M.
Mouth Choptank R. 2 casts.

Position: Lat. 38-31-08 Long. 76-23-27

Locality:

Depth: 18 1/2 F Bottom: Soft 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

1225

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	
S. Hydroid Dredge	18½-14½	9 01	9 14	
Bottom Feeler	18½-14½	9 01	9 14	
P. Hydroid Dredge	13½-12½	9 33	9 45	
Bottom Feeler	13½-12½	9 33	9 45	

11—5314

NOTES

Dredging Course (S x W)

Station No. 8693 Date: 8/31/16 191

Hour: 10 24 A. M. to 10 48 A. M.
? James 2d. 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
S.S. Hydroid Dredge	18-10 1/4	10 27	10 41	
Bottom Feelers	18-18 1/4	10 27	10 41	

11—5314

NOTES

Dredging Course ( )

Station No. 8634 Date: F/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		Speed
		Down	Up	
L. Hydroid Dredge	14½-14¾	10 06	11 08	
Bottom Feelers	14½-14¾	10 06	11 08	
R. Hydroid Dredge	15-16½	11 20	11 32	
Bottom Feelers	15-16½	11 20	11 32	

11—5314

NOTES

(S S E 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:

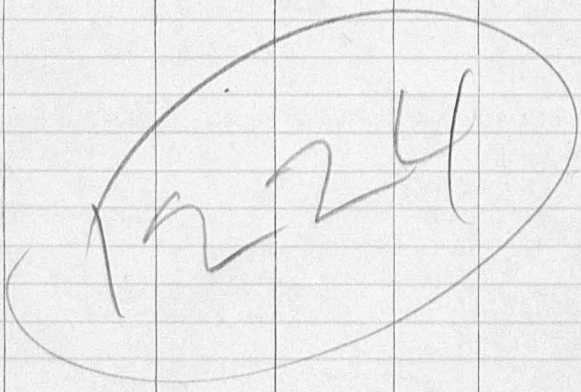
Depth: 21 F Bottom: Muddy. Sample:

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



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	
L. Hydroid Dredge.	21-21½	12 10	12 22	1
Bottom Feeler.	21-21½	12 10	12 22	
L. Hydroid Dredge	14-16	12 33	12 45	2
Bottom Feelers	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. ? Island

Position: Lat. 38-19-58 Long. 76-19-06

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		Speed
		Down	Up	
Hydrd dredge	21–17	12 58	1 13	
Bottom feeder	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	[redacted] used

1 N 24

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		Speed
			Down	Up	
1.	Hydrd dredge. Bottom feeler.	21-20	1 55	2 07	
2.	Hydrd dredge. Bottom feeler.	20-20½	2 19	2 34	
3.	~~Hydrd dredge. Bottoms 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

1124

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	
1. Hydrid dredge. Bottom feelers. 15	7-10	2 55	3 10	
2. Hydrid dredge. Bottom feelers. 15	11-13 -20.	3 18	3 44	

11—5314

NOTES

Dredging course:

1. S x E.

2. S. S. E.

Station No. 8639 Date: 8/31/16. 191

Hour: 4[36] P. M. to 5[20] P. M.

Position: Lat. 38-07-52 Long. 76-13-36 Off Point No Pt. 2 hauls

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

1124

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	
1.	Hydrd dredge. Bottom feeler	19-19	4.36	4.51	
2.	Hydrd dredge Bottom feeler	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 9 15 . 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

1224

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	9 01	9 11	
Bottom Feeler	10-9			

11—5314

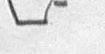
NOTES

Dredging Course

1. (S 1/2 W)

= 80479

= 98262

 = 98267