8399 – 8449.

FISH HAWK
8399
TO
8449

Station No. 8399 Date: 12/9/15 191

Hour: 2 53 P. M. to 3 18 P. M.

Position: Lat. 38° 50' 20" Long. 76° 24' 0"

Locality: 1/2 mile NWxN from Bloody Point Bar Lighthouse

Depth: 23 F. Bottom: Hard Sample: Broken Shells

Wind: Direction, N.W. Force, 7

Sea: Choppy Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ						Bigfoot
0	BF	42.5				+g	
9	90650	43.2				g	2
10	90650	45.0				+	2
12	80479	48.8				+	1
18	98267	49.5				+g	3
27	90650	51.0				+g	2
37	80479	51.0				+g	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
1/2 Meter Vertical	23-0	3 22 P.M.	3 24 P.M.	
8' Beam Trawl & Mud Bag	23 1/2-16	3 41 "	3 56 "	
#5 Silk Net	Surf	3 41 "	3 56 "	
#20 " "	Surf.	3 41 "	3 56 "	

11—5314

NOTES

Station No. 8400 Date: 12/10/15 191

Hour: 7 24 A.M. to 7 42 A.M.

Position: Lat. 38° 55' 12" Long. 76° 23' 12"

Locality: 2 5/8 miles ENE from Thomas Pt. Light
Bloody Pt. Bar Light Bearing S 3/4 W.

Depth: 18 Ft. Bottom: Hard Sample:
Broken Shells

Wind: Direction, N.W. Force, 4

Sea: Moderate 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 Ft.	TIME Down	TIME Up	Speed
8' Beam Trawl & Mud Bag	18-11½	7 24 AM	7 39 AM	

11—5314

NOTES

Station No. 8401 Date: 12/10/15 191

Hour: 8 40 A.M. to 9 25 A.M.

Position: Lat. 39° 1' 12" Long. 76° 22' 30"

Locality: 1/2 mile E.N.E. from Sandy Point Light

Depth: 9 1/2 F Bottom: Hard Broken Shells Sample:

Wind: Direction, N.W. Force, 4

Sea: Moderate Sky: Clear

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Sigsbee
0	B.F.	41.1				+	8
5	80479	42.0				+	1
10	90650	43.9				8	2
15	98267	49.8				+	3
12.5	80479	50.2				+	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
8' Beam Trawl & Mud Bag	9 1/2 - 9 3/4	9 15 AM	9 23 AM	
#5 Silk Net	Surf	9 15 "	9 23 "	
#20 " "	Surf	9 15 "	9 23 "	

11—5314

NOTES

Station No. 8402 Date: 12/10/15 191

Hour: 9 45 A.M. to 10 25 A.M.

Position: Lat. 39° 1' 36" Long. 76° 20' 35"

Locality: Sandy Pt Light Bearing W x S. Baltimore Light Bearing N W.

Depth: 14/4 F Bottom: Hard Sample: Small quantity of Broken Shells

Wind: Direction, NW Force, 4

Sea: Moderate Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ					+	Biglow
0	B.F.	41.2				g	
6	✓	~~42.0~~				✓	✓
8	98267	42.0				+	3
11	98267	50.0				g	3
14	90650	50.0				+	2
20	80479	51.0				+	1
9.5	90650	49.2				+	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
8' Beam Trawl & Mud Bag	14-14	10 17 AM	10 23 AM.	

11—5314

NOTES

1227

Station No. 8403 Date: Jan 16 1916

Hour: 12 34 A.M. to 2 32 P.M.

Position: Lat. 37° 0' 35" Long. 76° 15' 15"

Locality: 8 Miles W.S.W. from Thimble Shoal Light

Depth: 15 F. Bottom: Soft Sample: Black Mud & Sea Weed

Wind: Direction, SW. Force, 2

Sea: Smooth Sky: Clear & Foggy Horizon

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bigelow
0	B.F.	39.5				+	
9	80479	41.8				+	1
18	98262	42.0				+	2
26	90650	41.5				+	3

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	15 1/4-12 3/4	1 36	1 56	
#5 Silk Net	Surface	1 36	1 56	
#20 Silk Net	"	1 36	1 56	
Welsh Net	15 1/4-9 3/4	2 10	2 30	

11—5314

NOTES

Tide 1/4 Ebb
(Dredging Course)
W.S.W.

1222

Station No. 8404 Date: Jan 16 1916

Hour: 3 17 P. M. to 3 27 P. M.

Position: Lat. 36° 38' 12" Long. 76° 7' 33"

Locality: .3 mile SE x S from #4 Channel Buoy

Depth: 6 F Bottom: Soft Sample:
Soft Black Mud

Wind: Direction, West Force, 1

Sea: Smooth Sky: Partly Cloudy & Foggy Horizon

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bigelow
0	B.F.	39.5				+	
5	98262	41.9				+	2
9	80479	42.5				+	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

11—5314

NOTES

Tide Ebbing

1222

Station No. 8405 Date: Jan 16 1916

Hour: 4 10 P.M. to 4 55 P.M.

Position: Lat. 36° 56' 24" Long. 76° 0' 5"

Locality: 1.5 miles NxE 3/4 E from Cape Henry Lighthouse

Depth: 13 F Bottom: Soft Sample: Soft Black Mud

Wind: Direction, West Force, 1

Sea: Smooth Sky: Cloudy & Smoky Horizon

TEMPERATURES

Depth Meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bigelow
0	B.F.	39.4				q +	
8	90650	40.8				+	3
9	98262	42.0				q	2
17	98262	42.5				+	2
18	90650	42.6				q	3
22	80479	42.9				+	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
1/2 Meter Vertical	13-0	4 34	4 35	
Beam Trawl	14-12 1/2	4 43	4 53	
# 5 Silk Net	Surface	4 42	4 53	
# 20 Silk Net	"	4 42	4 53	

11—5314

NOTES

Tide 3/4 Ebb

(Course Dredging)

NW 1/2 N.

1272

Station No. 8406 Date: Jan 17 1916

Hour: 10 28 A.M. to 10 40 A.M.

Position: Lat. 36° 39' 24" Long. 76° 0' 43"

Locality: 6 mile NxW1/2W from Tail of Horseshoe Lightship

Depth: 6 F. Bottom: Soft Black Mud Sample: Soft

Wind: Direction, NxW Force, 5

Sea: Moderate Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters							
0	BF	40.0				8+	
9	98262	40.5				8+	2

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

1222

Station No. 8407 Date: January 17 1916

Hour: 11 30 A. M. to 11 40 A. M.

Position: Lat. 37° 1' 6" Long. 75° 59' 50"

Locality: SxW 1/2 W from Tail of Horseshoe Lightship
Nautilus Shoal Buoy # 2 NE X E 1/2 E

Depth: 4 1/2 F Bottom: Hard Sample: Fine Sand

Wind: Direction, North Force, 5

Sea: Moderate Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters							
0	B.F.	38.8				+	Bigelow
6	90650	39.8				+	3

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 3/4 Ebb.

1222

Station No. 8408 Date: January 17 1916

Hour: 12 30 P.M. to 12 45 P.M.

Position: Lat. 37° 2' 0" Long. 75° 58' 15"

Locality: 3 mile W from #4 Buoy on West End of Nautilus Shoal

Depth: 8 F. Bottom: Soft Sample: Soft Black Mud

Wind: Direction, N.W. Force, 6

Sea: Moderate Sky: Cloudy

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bigelow
0	B.F.	38.2				~~8~~ +	
6	98262	38.8				+	2
9	80479	39.2				8	1
14	90650	39.5				+	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

11—5314

NOTES

Tide Ebbing

1222

Station No. 8409 Date: Jan 17 1916

Hour: 3 05 P.M. to 4 42 P.M.

Position: Lat. 37° 15' 24" Long. 76° 4' 00"

Locality: Cherrystone Light x E 1/4 N. Old Plantation Light S.E. 1/2 S.

Depth: 20 F Bottom: Hard Sea-weed Sample:

Wind: Direction, North Force, 4

Sea: Moderate Sky: Partly clear

TEMPERATURES

Depth in meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	38.0				g+	
9	80479	39.0				g+	1
18	98262	39.5				g	2
27	90650	39.5				g	3
22	98262	39.5				+	2
32	90650	39.6				+	3
39	80479	39.8				+	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
1/2 Meter Vertical	20-20	3 37	3 38	
Beam Trawl	20-9 3/4	3 55	4 15	
#5 Silk Net	Surface	3 55	4 15	
#20 Silk Net	Surface	3 55	4 15	
Welsh Net	9 3/4-7 1/2	4 23	4 38	

11—5314

NOTES

(Course Dredging) NWxW

Tide Ebbing

1222

Station No. 8410 Date: Jan 18 1916

Hour: 7 02 A. M. to 7 11 A. M.

Position: Lat. 37° 15' 6" Long. 76° 14' 18"

Locality: 120 yards E 3/4 S of No 9 Can Buoy off New Point Comfort

Depth: 4 3/4 F Bottom: Hard Fine gray Sand Sample:

Wind: Direction, North Force, 2

Sea: Smooth Sky: Clear & Hazy Horizon

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters							Below
0	B.F.	36.2				+	
8	98262	38.0				+	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

Tide Flooding.

1222

Station No. 8411 Date: Jan 18 1916

Hour: 7 40 A.M. to 8 15 A.M.

Position: Lat. 36° 16' 12" Long. 76° 11' 24"

Locality: 1 mile ENE 1/4 E from Buoy C-7

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

Wind: Direction, ENE Force, 2

Sea: Smooth Sky: Clear & Smoky Horizon

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bigelow
0	B.F.	36.2				8+	
6	80479	37.5				+	1
9						8	
11	98262	39.0				+	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
#5 Silk Net	Surface	7 58	8 10	
#20 Silk Net	Surface	7 58	8 10	
Welsh Net	7-7	8 00	8 10	

11—5314

NOTES

Tide Flooding
(Course Dredging) E x S to S.S.W.

1222

Station No. 8412 Date: Jan 18 191

Hour: 8 39 A. M. to 8 03 A. M.

Position: Lat. 36° 15' 40" Long. 76° 7' 24"

Locality: York Spit Light bearing WSW
New Point Comfort Light bearing WNW

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

Wind: Direction, ENE Force, 2

Sea: Smooth Sky: Clear & Hazy Horizon

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bigelow
0	B.F.	37.4				q +	
6	80479	38.0				+	1
9						q	
12	98262	38.9				+	2

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 Flooding

1223

Station No. 8413 Date: Jan. 18 1916

Hour: 10 38 A.M. to 11 40 A.M.

Position: Lat. 37° 35' 45" Long. 76° 10' 55"

Locality: Windmill Pt. Light W 3/4 N, Rappahannock Spit ~~Light~~ Bell Buoy S W 1/2 W .9 mile

Depth: 7 1/4 F Bottom: Soft Sample: Soft Black Mud

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
Meters							Bglw
0	B.F.	36.3				q+	
6	98262	36.7				+	2
9						q	
12	80479	38.1				+	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
Beam Trawl	7 1/4-8	11 10	11 20	
#5 Silk Net	Surface	11 09	11 20	
#20 Silk Net	Surface	11 09	11 20	
Welsh Net	8-7 1/2	11 32	11 42	

11—5314

NOTES

Tide Flooding

Course Dredging (S S W x W)

1223

Station No. 8414 Date: Jan 18 1916

Hour: 12 18 P.M. to 12 30 P.M.

Position: Lat. 37° 34' 42" Long. 76° 7' 0"

Locality: Windmill Point Light WXN 1/2 N
Stingray Light bearing W 1/4 S

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

Wind: Direction, S.W. Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters							Diglow
0	B.F.	36.3				+	
6	80479	37.9				+	1
9	90650	38.5				+	3
12	98262	39.1				+	2

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

1223

Station No. 8415 Date: Jan 18 1916

Hour: 1 03 P. M. to 2 00 P. M.

Position: Lat. 37° 34' 5" Long. 76° 2' 30"

Locality: 4.9 miles W x N from Sandy Point

Depth: 9 1/2 F Bottom: Soft Sample: Soft yellowish mud

Wind: Direction, S.W. Force, 3

Sea: Smooth Sky: Clear

TEMPERATURES

Depth Meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	36.5				8+	Bigfor
8	90650	37.5				+	3
9	98262	37.5				8	2
16	80479	39.2				≠	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
Beam Trawl	9 1/2-8 1/2	1 19	1 34	
# 5 Silk Net	Surface	1 18	1 34	
# 20 Silk Net	Surface	1 18	1 34	
Welsh Net	9 1/2 8 3/4	1 46	1 56	

11—5314

NOTES

Dredging Course S x E

Tide Ebbing

1223

Station No. 8416 Date: Jan 18 1916

Hour: 2 35 P. M. to 2 45 P. M.

Position: Lat. 37° 34′ 0″ Long. 75° 59′ 0″

Locality: 1.1 miles NW 1/2 N from Buoy C-1

Depth: 4 1/2 F Bottom: Hard Sample: Fine gray sand

Wind: Direction, S.W. Force, 3

Sea: Smooth Sky: Clear

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	36.8				8	Bigelow
7	90650	37.8				8+	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

11—5314

NOTES

Tide Ebbing

1223

Station No. 84/17 Date: 1/19/16

Hour: 6 58 a. M. to 9 04 a. M.

Position: Lat. 37° 52' 8" Long. 76° 10' 12"

Locality: 9 mi. S.E. ½ S from Smith Pt. L.H.

Depth: 24 3/4 fm Bottom: Sofr Sample: Sofr gray mud and sand

Wind: Direction, W Force, 3

Sea: Smooth Sky: Clear.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F	34.5				g+	
9	80479	36.8				g+	1
18	90650	38.2				g+	3
27	98262	38.5				g.	2
27	98262	38.5				+	2
36	90650	39.0				+	3
42	80479	39.2				+	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
¼ Meter	24-0	7 33	7 55	
Beam Trawl	24-15	7 58	8 24	
#5 Silk	Surf.	7 58	8 24	
#20 Silk	Surf.	7 58	8 24	
Welsh net	18-22	8 45	9 00	

11—5314

NOTES

Tide ebbing

Course: S ½ W

Dredging.

1223.

Station No. 8418. Date: 1/19/16 191

Hour: 931 a. M. to 942 a. M.

Position: Lat. 37° 52' 30" Long. 76° 8' 0"

Locality: E 3/4 S from Smith's Pt. L.H. 2 3/4 mi.

Depth: 8 fms Bottom: Soft Sample:

Wind: Direction, W Force, 3

Sea: Smooth Sky: clear

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F	34.2				g+	
6	90650	36.0				+	3
12	98262	38.0				+	2
9	80479	37.8				g	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

11—5314

NOTES

Tide ebbing.

1223

Station No. 8419 Date: 1/19/16 191

Hour: 10⁰⁰ a. M. to 10¹⁰ a. M.

Position: Lat. 37° 52' 50" Long. 76° 5' 36"

Locality: E ½ S – 4.3 mi. from Smiths Pt. L.H.

Depth: 4½ fms Bottom: Soft Sample:

Wind: Direction, W Force, 3

Sea: Smooth Sky: Clear

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B
0	B.F.	34.8				+	
5	98262	35.6				+	2
8	90650	36.1				+	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

11—5314

NOTES

1224

Station No. 8430 Date: 1/19/16

Hour: 11 55 A. M. to 12 10 P. M.

Position: Lat. 37° 59' 36" Long. 76° 22' 45"

Locality: 3.8 mi. S.W. ½ W from Pt. Look out L. H.

Depth: 6½ fms Bottom: Hard Sample: Fine gray sand.

Wind: Direction, W Force, 3

Sea: Smooth Sky: Clear

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F	34.9				8+	
5	98262	35.2				+	2
9	80479	36.0				8	1
10	90650	36.0				4	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

11—5314

NOTES

Tide: Flooding.

1224

Station No. 8421 Date: 1/19/16

Hour: 1¹² P. M. to 2⁰³ P. M.

Position: Lat. 38° 1' 18" Long. 76° 21' 30"

Locality: Pt. Lookout Li. E.N.E. from #2 Buoy - E.

Depth: 13 f. Bottom: Soft Sample: Soft black mud

Wind: Direction, W Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
M							B
0	B.F.	34.8				0 +	
8	80479	35.9				+	1
9							
16	90650	36.2				+	3
18							
22	98262	37.0				+	2

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	13-0	1²⁵	1²⁶	
B. J.	13-11.5	1³²	1⁴⁰	
#5	Surf.	1³⁰	1⁴⁰	
#20	Surf.	1³⁰	1⁴⁰	
Welsh	13-11.5	1⁵¹	2⁰¹	

11—5314

NOTES

Course: Dredging N.W. X W.

Tide: Flooding.

1224

Station No. 8422 Date: 1/19/16

Hour: 7 20 P. M. to 8 28 P. M.

Position: Lat. 38° 2' 30" Long. 76° 20' 30"

Locality: 1 mi. WXN 1/4 N - Pt. Lookout L. N.

Depth: 6 f. Bottom: Soft " black mud. Sample:

Wind: Direction, W Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	34.8				+	
5	80479	35.2				+	1
10	98262	35.1				+	2

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: Flooding.

1224

Station No. 8423 Date: 1/19/16 191

Hour: 3 23 P. M. to 3 32 P. M.

Position: Lat. 38° 5' 30" Long. 76° 17' 30"

Locality: Pn. No. Pn. Li. N½E. Pn. Lookout Li. S.W. X S.

Depth: 6 f. Bottom: Soft Sample:

Wind: Direction, S.E. Force, 2

Sea: Smooth Sky: Clear.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	35.1				+	
5	90650	35.5				+	3
10	98262	35.0				+	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

Tide:

High water, slack.

1324

Station No. 81/24 Date: 1/19/16 191

Hour: 4^21 P. M. to 5^30 P. M.

Position: Lat. 38° 7' 30" Long. 76° 14' 0"

Locality: 2 3/4 mi. E ½ S from Pt. No Pt.
Cy: No.

Depth: 18 f. Bottom: Hard Sample:

Wind: Direction, S-E. Force, 2

Sea: Smooth Sky: Clear.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F	35.3				+	
5	90650	35.2				+	3
10	80479	36.0				+	1
17	80479	37.0				+	1
25	90650	38.0				+	3
31	98262	38.2				+	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
½ meter.	18-0	4^38	4^40	
B. J.	19-18	4^45	5^05	
#5.	Surf.	4^43	5^05	
#20.	Surf.	4^43	5^05	
Welsh	19-19	5^12	5^27	

11—5314

NOTES

Tide:
High water, slack.

Course: Dredging, N.

1234

Station No. 8425. Date: 1/19/16, 191

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

Position: Lat. 38° 7' 30" Long. 76° 9' 55"

Locality: Pt. No. Pt. W 3/4 N. Holland Do Bar. S.E. ½ S. Pt. Lookout SW x ½ W

Depth: Bottom: Soft Sample: " Black mud.

Wind: Direction, S-E. Force, 2

Sea: Smooth Sky: Clear.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	34.2				+	
8	90650	35.0				+	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

11—5314

NOTES

Tide: Ebbing.

1224

Station No. 8426 Date: 1/20/16 191

Hour: 7^45 a. M. to 9^55 a. M.

Position: Lat. 38° 14' 40" Long. 76° 15' 42"

Locality: 9 mi. S.S.W. from Hooper Is Li.

Depth: 20 f. Bottom: Soft Sample:

Soft bl. mud & sea weed

Wind: Direction, S. Force, 2

Sea: Smooth Sky: Clear, partly

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F	34.2				+	
5	80479	35.0				+	1
9	98262	34.8				+	2
17	98262	37.5				+	2
26	80479	38.5				+	1
30	90650					+	3

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 B. J.	20-15	8^23	8^43	
#5.	Surf.	"	"	
#20.	Surf.	"	"	
Welsh	13½-16	9^05	9^15	
② B. J.	13½-13	9^30	9^50	

11—5314

NOTES

Course: Dredging, S X E ½ E.

Tide: Ebbing.

1224

Station No. 8427 Date: 1/20/16. 191

Hour: 10 48 -a. M. to 12 15 p. M.

Position: Lat. 38° 20' 0" Long. 76° 18' 24"

Locality: 6 mi SW X W ½ W from Spar buoy 16D - Barren Is. Cove Pt. Lig. N.W ⅛ N Tar Bay Front Lt. N.E X E ½ E

Depth: 21 f Bottom: Sofr Sample: Sofr black mud & seaweed

Wind: Direction, South Force, 3

Sea: Smooth Sky: O. & hazy hor.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0		33.9				g +	
5	98262	34.1				+	2
9	90650	36.0				g +	3
18	90650	38.1				g +	3
27	80479	38.5				g +	1
36	80479	38.8				+	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
½ Meter	21-0	11 11	11 12	
B.T.	20-15	11 22	11 42	
#5.	Serv.	11 22	11 42	
#20.	Serv.	11 22	11 42	
Welsh	27-14	11 56	12 11	

11—5314

NOTES

Course: Dredging, S.X E. ½ E.

Tide: Flooding.

1224

Station No. 8428. Date: 1/20/16.

Hour: 12 45 P. M. to 12 58 P. M.

Position: Lat. 38° 30' 54" Long. 76° 20' 36"

Locality: Cedar Pt. S.W. x 3 1/2 S.
Cove Pt. N.W. x 1.

Depth: 8 ft. Bottom: Soft. Sample:
Soft black mud.

Wind: Direction South Force, 4

Sea: Smooth Sky: Cloudy.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	34.3				g.	
3	80479	35.0				+	1
7	98262	34.5				+	2
13	90650	37.2				+	3
9	80479	34.8				g.	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

11—5314

NOTES

Tide: Flooding.

1200

Station No. 8429 Date: 1/20/16

Hour: 1^15 P. M. to 1^23 P. M.

Position: Lat. 38° 21' 18" Long. 76° 22' 24"

Locality: Cove Pt. N 5/8 W – Drum Pt. S.W. x 3/4 W.

Depth: 4½ f. Bottom: Hard Sample: Fine gray sand

Wind: Direction, S. Force, 3

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	34.5				8 +	B.
3	98264	35.0				+	2
6	80479	35.1				+	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

11—5314

NOTES

Tide: Flooding.

1225

Station No. 8430 Date: 1/20/16 191

Hour: 2^10 pm. M. to 3^30 p. M.

Position: Lat. 38° 27' 45" Long. 76° 22' 55"

Locality: Cove Pr. S ½ W. N. end of Taylor Is. N.E. ½ E.

Depth: 19¾ F Bottom: Soft " bl. mud Sample:

Wind: Direction, S. Force, 3

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	34.0				+	
5	98262	34.1				+	2
9	90650	35.2				+	3
17	90650	38.0				+	3
26	98262	38.0				+	2
34	80479	38.8				+	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
B.T.	12-14	2^51	3^11	
#5	Sur.	2^52	3^11	
#20	Sur.	2^52	3^11	
Welsh	13-12	3^20	3^28	

11—5314

NOTES

Tide: Flooding.

Course: Dredging, N.N.E.

1225

Station No. 8431 Date: 1/20/16 191

Hour: 3^55 P. M. to 4^05 P. M.

Position: Lat. 38° 39' 54" Long. 76° 25' 48"

Locality: 1.5 mi. S x W ½ W Buoy #18-a. Beel buoy 18-a-bearing N x E ½ E Sharp's Pt. light N.E. x N ½ N.

Depth: 12 ft Bottom: Soft Sample: Soft black mud.

Wind: Direction, S Force, 3

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F	33.9				+	
6	90650	34.6				+	3
11	80479	36.9				+	1
12	98262	38.2				+	2

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: Flooding.

1225

Station No. 8432. Date: 1/20/16. 191

Hour: 4 25 p. M. to 4 35 p. M.

Position: Lat. 38° 33' 0" Long. 76° 27' 24"

Locality: Bell Buoy #18-a. E X 5/8 N Sharp's Is. Li. N.E. 1/4 N.

Depth: 6 Bottom: Soft Sample: Soft black mud

Wind: Direction, S. Force, 2

Sea: Smooth Sky: Overcast & raining

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	34.2				+	
5	80479	34.8				+	1
9	98262	36.9				+	2

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: Flooding.

1225

Station No. 8433. Date: 1/21/16

Hour: 7 36 a.M. to 8 25 a.M.

Position: Lat. 38° 40' 18" Long. 76° 25' 6"

Locality: Sharp's Is. Li. S.E. ½ S.

Depth: 20 f. Bottom: Soft Sample:

Soft Bk. mud & seaweed.

Wind Direction, S Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B
0	B.F.	33.4				+	
6	98262	33.9				+	2
10	90650	35.2				+	3
18	80479	38.4				+	1
26	90650	38.8				+	3
35	98262	38.5				+	2
14	90650	37.8				+	3

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.T.	20½-10	8 10	8 21	
#5.	Surf.	8 10	8 21	
#20.	Surf.	8 10	8 21	

11—5314

NOTES

Tide: Flooding.

Course: Dredging, South.

1225

Station No. 8434 Date: 1/21/16 191

Hour: 9 55 a. M. to 10 10 a. M.

Position: Lat. 38° 47' 42" Long. 76° 25' 0"

Locality: Bloody Pt. Bar Dr. NNE 5/8 E
N. Tangent of Poplar Is. SE 7/8 E

Depth: 20 f Bottom: Soft Sample:

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

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.	14-17½	9 55	10 10	

11—5314

NOTES

Course: Dredging, N.E. X N.

Tide: Flooding.

1225

Station No. 84/35 Date: 1/21/16

Hour: 11/16 a. M. to 12 27/pm. M.

Position: Lat. 38° 50' 40" Long. 76° 24' 0"

Locality: Thomas Pt. N x W 3/4 W. Bloody Pt. Li. SE x S

Depth: 23 f Bottom: Soft Sample:

Wind: Direction, S.E. Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.T.	33.8				g +	
5	80479	34.0				+	1
9	90650	37.5				g +	3
14	98262	38.1				+	2
18	80479	38.9				g +	1
28	98262	38.5				+	2
39	90650	39.0				+	3
27						g	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—6314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
1/2 meter	23-0	11 39	11 40	
B.T.	16-20	12 23	12 27	
#5	Surf	"	"	
#20	Surf	"	"	

11—5314

NOTES

Tide: Flooding.

Course: Dredging.

N x E 1/2 E

1225

Station No. 8436 Date: 1/21/16 191

Hour: 1^02 p. M. to 1^11 p. M.

Position: Lat. 38° 51' 0" Long. 76° 25' 36"

Locality: Thomas Pt. Lt. bear. N. Bloody Pt. Li bearing S.E. ½ E.

Depth: 6½ Bottom: Soft Sample:

Wind: Direction, S Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	33.9				g +	
5	90650	34.1				+	3
10	98262	37.0				+	2
8	80479	34.5				g	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

11—5314

NOTES

Tide: Flooding

1225

Station No. 8437 Date: 1/21/16 191

Hour: 1 30 P. M. to 1 40 P. M.

Position: Lat. 38° 57' 16" Long. 76° 27' 36"

Locality: Thomas Pt. Li. Bearing N.N.E ¼ E
Bloody Pt. Li. bearing S.E. X E. ½ E

Depth: 4¾ F Bottom: Soft Sample:

Wind: Direction, S Force,

Sea: Smooth Sky: Clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
M							
0	B.T.	34.2				8	
4	90650	34.6				7 +	3
7.5	98262	34.3				+	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

Tide: Flooding.

1225

Station No. 8438 Date: 1/21/16 191

Hour: 2 40 P.M. to 3 12 P.M.

Position: Lat. 38° 55' 10" Long. 76° 23' 6"

Locality: 1 mi. W. of Kent Is. Thomas Pt. Lr. bearing W.S.W.

Depth: 19 f. Bottom: soft Sample: " black mud

Wind: Direction, S Force, 2

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 f.	TIME Down	TIME Up	Speed
B.J. welsh net	16-19	2 40	2 54	
	19-19	3 03	3 10	

11—5314

NOTES

Tide: Flooding

Dredging Course, N X E ½ E

1226

Station No. 8439 Date: 1/21/16

Hour: 3 50 P. M. to 4 15 P. M.

Position: Lat. 39° 1' 30" Long. 76° 23' 36"

Locality: Sandy Pt. Li. bear. SW½S - Balto. Li. bearing N x W 3/4 W.

Depth: 9 3/4 f. Bottom: Soft Sample: " Black mud

Wind: Direction, S Force, 1

Sea: Smooth Sky: Clear x Hazy Hor.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F	32.9				g +	
5	80479	33.5				+	1
8	90650	34.0				g	3
10	90650	34.1				4 +	3
15	98262	37.9				+	2
12.5	80479	37.0				+	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

11—5314

NOTES

Tide: Flooding.

12 26

Station No. 8440 Date: 1/21/16. 191

Hour: 4 43 p. M. to 5 00 p. M.

Position: Lat. 39° 1' 36" Long. 76° 20' 34"

Locality: Sandy Pr. Li. N x S. Balto. Li. bearing N.W.

Depth: 13½ f. Bottom: Hard Sample: Broken shells & seaweed.

Wind: Direction, Calm Force, 0

Sea: Smooth Sky: Clear - Hogy Hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	34.1					
7	80479	33.5					
9	90650	34.6					
15	90650	38.9					
22	98262	38.5					
11	98262	38.0					

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.	12½-11	4 52	4 58	

11—5314

NOTES

Tide: Flooding

Course: Dredging, N x E ½ E

1226

Station No. 8441 Date: 1/22/16

Hour: 7 35 a. M. to 8 03 a. M.

Position: Lat. 39° 7' 30" Long. 76° 18' 55"

Locality: 1.8 mi. S.W. x W 3/4 W. from Swan Pt.

Depth: 9 f Bottom: Soft Sample: Flock mud & clay

Wind: Direction, S. Force, 5.

Sea: Smooth Sky: Cloudy & Foggy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.T.	33.0				8 +	
4	80479	33.2				+	1
9		35.9					2
15		37.5					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
B.T.	5½-6½	7 56	8 01	
#5.	Surf.	"	"	
#20.	Surf.	"	"	

11—5314

NOTES

Tide: Flooding.

Course: Dredging.

S x E ½ E.

By- U.S.F.S. Roosevelt

A.1

Station No. 8442 Date: Jan 27 1916

Hour: 8 40 A.M. to 9 22 A.M.

Position: Lat. 36.55 3/4 Long. 75.57

Locality: Buoy N.E. x N 3/8 N: C.H. W 1/8 S - 3 miles

Depth: 19 Meters Bottom: F.G.S. Sample:

Wind: Direction, Calm Force, 0

Sea: Smooth Sky: Light Clouded

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface	B	43	54			+	
11	98262	44				+	
17	90650	44				+	

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~~	~~19-0~~			
net towed at	15 m	15 minutes		
1/2 meter vertical net	19-0 meters			
" towed at	11 meters			

11—5314

NOTES

A 2

Station No. 8443 Date: Jan 27 1916

Hour: 11 30 A. M. to 12 30 P. M.

Position: Lat. 36.57 1/2 Long. 75.36

Locality:

Depth: 19 meters Bottom: F.G.S Blk Sp Sample:

Wind: Direction, Calm Force, —

Sea: Smooth Sky: Light clouded

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface	B.F.	45	57			+	
9	90650	44.5				+	
18	98262	44.8				+	

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
1/2 meter vertical net towed at	9 meters			
1/2 meter vertical net towed at	Surface			
1/2 meter Vertical net	19-0 meters			

11—5314

NOTES

A 3

Station No. 8444 Date: Jan 27 1916

Hour: 2 40 P. M. to ——— M.

Position: Lat. 36. 57 5/8 Long. 75. 11 1/2

Locality:

Depth: 38. Meters Bottom: F.G.S., Blk, Sh, B.S. Sample:

Wind: Direction, South Force, 1

Sea: Moderate Swell Sky: Light Clouded

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	B.F.	47	57			+	
18	90650	46.2				+	
33	98262	46.4				+	

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
1/2 meter vertical net towed at	18 meters			
1/2 meter vertical net	38-0 meters			
" towed at	Surface			

11—5314

NOTES

A4

Station No. 8445 Date: Jan 27 1916

Hour: 5.45 P.M. to ——— .M.

Position: Lat. 36.58 Long. 74.41½

Locality:

Depth: 131. meters Bottom: F.S.M. Sample:

Wind: Direction, South Force, 1

Sea: Moderate Swell Sky: Sight clouded.

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	B.F.	52.5	5.7			+	
27.5	906 50	5.2				+	
55	982 62	57.5				+	
131	906 50	54.2				+	

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 net lowered at	18 meters			
½ meter vertical net lowered at	Surface			

NOTES

11—5314

A 5

Station No. 8446 Date: Jan 28 1916

Hour: 11 05 A. M. to ——. M.

Position: Lat. 36. 56 1/4 Long. 74. 36 3/4

Locality:

Depth: 479 meters Bottom: M Sample:

Wind: Direction, SW x W Force, 4

Sea: Moderate Swell Sky: Light clouded

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	B.F.	54	61			+	
55	90650	53.2				+	
110	98262	55				+	
183	98262	53				+	
238	90650	50.3				+	
478	98262	42.6					

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 net towed at	18 meters			
1/2 meter vertical net	479-0 meters			
"	Surface			

11—5314

NOTES

Set trawl Lat N. 37-1/2
Long 74-42 1/2

Set N.E. 300 fathom trawl

Dogfish on nearly every hook.
1 blackfish
1 skate

C. Stratus

Station No. 8447 Date: Jan 28 1916

Hour: 6 25 A. M. to 7 50 A. M.

Position: Lat. 37. 21 1/4 Long. 74. 27 1/2

Locality:

Depth: 415 meters Bottom: Sample:

Wind: Direction Calm Force, —

Sea: Smooth Sky: Clear

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	B.F.	50	54				
55	906 50	51					
110	982 62	54.6					
183	906 50	53					
238	906 50	51					
414	982 62	46					

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 net towed at	15 M			
1/2 meter vertical net	415-0	meters		
" towed at	Surface			

11—5314

NOTES

Station No. 8448 Date: 12-8-46 191

Hour: 8.45 P. M. to . M.

Position: Lat. 37.21 1/8 Long. 74.32 7/8

Locality:

Depth: 94 meters Bottom: M., F.S., Bk Sh. Sample:

Wind: Direction, Calm Force, —

Sea: Smooth Sky: Clear

TEMPERATURES

Depth Fathoms	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	B.F.	50.5	54				
27.5	98262	51					
55	906 50	51					
92	98262	54					

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 m Vertical net	94-0			
1/2 meter vertical net towed at	18 meters			
"	Surface			

11—5314

NOTES

Handline from deck — no fish

Station No. 8449 Date: 1-28-16 191

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

Position: Lat. 37. 22 Long. 74. 40 5/8

Locality:

Depth: 59 meters Bottom: Sample:

Wind: Direction, N. E. Force, 3

Sea: moderate Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	B.F.	46.5	51				
27 1/2	98262	48.8					
57 1/2	98250	51.2					

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	59-0			
1/2 meter vertical net towed at	18 meters			
"	Surface			

11—5314

NOTES