8350-8398.

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 8350 to 8398

ROUGH

Station No. 8380 Date: 10/25/15 191

Hour: 9 49 a. M. to 10 38 a. M.

Position: Lat. 38° 7' 15" Long. 76° 13' 30"

Locality: Pr. No Pr. Li bearing W X N — Hooper Is Li. N X ¼ W
Holland Is Bar li SE. X E. — Pr. Lookout Li SW X ¼ W.

Depth: 20 fms Bottom: Hard Sample: Sand

Wind: Direction, Calm Force, Calm

Sea: Smooth Sky: Clear - hazy horizon

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	NZ 80472	68.5	#6				
5	NZ 98267	68.2	#4				
10	NZ 98267	66.0	#4				
15	NZ 80472	66.0	#6				
20	NZ 90650	66.0	#5				

14

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	
Vertical ½ meter	18.0	9 49	9 51	
8' Beam trawl + M.B.	18¾-17½	9 55	10 10	
#5 + #20 silk nets	Surf.	10 23	10 38	
Meter Stramen	8½-0	10 23	10 38	

11—5314

NOTES

Water sample - 20 fms. bottom
Course - N.

Station No. 8351 Date: 10/25/15 191

Hour: 11 10 a. M. to 11 57 a. M.

Position: Lat. 38° 9' 20" Long. 76° 9' 6"

Locality: PN. No PN. WXS- Hooper Is. Li. Ho. NWXN. Holland Is. bar Li Ho. S.S.E.

Depth: 4 Bottom: Hard Sample: Fine gr. sand

Wind: Direction, Calm Force, Calm

Sea: Smooth Sky: Clear - hazy horizon

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
							Ekman
0	NZ 98267	62.7	#				#4
4	NZ 90650	63.7					#5

15

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	
8' B.T. + M.B.	4-4	11 25	11 35	
Meter Stramen	3-0	11 42	11 57	
#5 + #20 Silk Net	Surf.	11 42	11 57	

11—5314

NOTES

Course - dredging - N.
Course - meter net - S.S.W.

Station No. 8352 Date: 10/25/15 191

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

Position: Lat. 38° 15' 17" Long. 76° 16' 0"

Locality: 3/4 mi. SW x W 1/2 mi. W. Hooper Is. Ri. Jto.

Depth: 25 Bottom: Soft Sample: Bl. mud

Wind: Direction, Calm Force, Calm

Sea: Smooth Sky: Clear - hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used S/P.
0	NZ 98267	62.4					#4
5	NZ 90650	64.0					#5
10	NZ 90650	65.8					#5
15	NZ 98267	66.0					#4
20	NZ 80472	66.7					#6

16

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

Depth 25 fms - water sampler.

✓

Station No. 8352 Date: 10/25/15 191

Hour: 1[50] p. M. to 3[08] p. M.

Position: Lat. 38° 20' 25" Long. 76° 18' 15"

Locality: 1/3 mi. W. of Barren Is Spar.

Depth: 25 Bottom: Hard Sample: Gizard

Wind: Direction, S.E. Force, 2-3

Sea: Mod. Sky: Clear - hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used BP.
0	NZ 80472	63.1					#6
5	NZ 90650	62.2					#5
10	NZ 98267	66.0					#4
15	NZ 98267	66.0					#4
20	NZ 90650	66.0					#5
25	NZ 80472	66.5					#6

M
1

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	
Vertical ½ meter	25	2 15	2 17	
#5 & #20 silk nets	Surf.	2 53	3 08	
Meter Stramen	20-0	2 53	3 08	
1' B. J. & M. B.	16½-21½	2 29	2 44	

11—5314

NOTES

Course - N x W.

✓

Station No. 8354 Date: 10/25/15 191

Hour: 1 35 P.M. to 4 41 P.M.

Position: Lat. 38° 21' 0" Long. 76° 21' 35"

Locality: 2¼ mi. SE. ½ S. Cove Point Dr. Ho.

Depth: 8' ✓ Bottom: Soft Sample: Greenish marl

Wind: Direction, S.E. Force, 3

Sea: Mod. Sky: Clear - hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used EK.
0	NZ 80477	67.7					#6
5	NZ 98267	67.7					#4
8	NZ 90650	65.0					#5

18

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	
8' B.T. + M.B	8½-8½	3 46	401	
#5 + #20 Silk net.	Surf.	3 46	401	

11—5314

NOTES

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Station No. 8355 Date: 10/26/15 191

Hour: 7^55 a. M. to 9^33 a. M.

Position: Lat. 38° 33' 24" Long. 76° 26' 6"

Locality: 3/4 mi. W. of Bell Buoy #18 a.

Depth: 13 fms. Bottom: Sofr. Sample: Greenish marl.

Wind: Direction, N.W. Force, 4

Sea: Mod. Sky: Clear-hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used E/R.
0	NZ 91477	62.1					#6
3	NZ 91472	62.3					#6
8	NZ 98269	65.2					#1
12	NZ 90650	65.7					#5

19

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	
8' B.T. + M.B.	10-9	8 49	9 04	
Meter Stramen	6	9 18	9 35	
#5-20 Silk nets	Surr.	9 18	9 35	

11—5314

NOTES

Bottom av 12 + 13 fms.

✓

Station No. P356 Date: 10/26/15 191

Hour: 11½ a. M. to 12 15 p. M.

Position: Lat. 38° 40' 12" Long. 76° 25' 0"

Locality: 2 mi. WxS sp. buoy #1 on S. End Tilghman's Island.

Depth: 19½ Bottom: Soft Sample: Black mud & marl

Wind: Direction, N.W. Force, 4

Sea: Mod. Sky: Clear-hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Ek.
0	NZ 81472	63.0					#6
5	NZ 90650	67.0					#5
10	NZ 98267	65.5					#4
16	NZ 98267	65.5					#4
19	NZ 90650	65.5					#5
	20						

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	
8 BJ. & MB.	19-18	1148	1153	
Meter Dragnet	10	1205	1215	
#5 & #20 Silk net.	Surf.	1205	1215	

11—5314

NOTES

Course - S.S.W.
(dredging)

✓

Station No. 8357 Date: 10/26/15. 191

Hour: 12 55 p. M. to 1 46 p. M.

Position: Lat. 38° 41' 48" Long. 76° 29' 36"

Locality: 1 3/4 mi. E. of Chesapeake Beach Pt. Pier.

Depth: 6 Bottom: Soft Sample: Black mud + marl

Wind: Direction, N.W. Force, 3

Sea: Mod. Sky: Clear-hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	NZ80472	63.0					EK. #6
5	NZ98267	64.2					# 4

21

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	
8' BT. & MB.	6-6½	109	124	
Meter Stramen	2½-0	131	146	
#5 & #20 Silk ners	Sur.	131	146	

11—5314

NOTES

√

Station No. 8358 Date: 10/26/15 191

Hour: 2 52 N. M. to 3 15 N. M.

Position: Lat. 38° 50' 0" Long. 76° 27' 18"

Locality: 400 yds E. of can buoy off Horse Shoe Pt.

Depth: 6 Bottom: Soft Sample: Black mud + marl

Wind: Direction, N.W. Force, 3

Sea: Mod. Sky: Clear-hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	N298267	67.5					#4
5	N290650	63.9					#5
	22						

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	
8' BT&MB.	6-6½	3 08	3 15	
#5 & #20 Silk net	Sew.	3 08	3 15	

11—5314

NOTES

Course — E.
dredging

✓

Station No. 8359. Date: 10/26/15 191

Hour: 3 48 P. M. to 4 48 P. M.

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

Locality: Bloody Pt. Bar Lt. Ho. bearing S.E. x S. Kent Point E.S.E.

Depth: 27 Bottom: Soft Sample: Bl. mud & marl

Wind: Direction, N.W. Force, 3

Sea: Mod. Sky: Cloudy-hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Ek.
0	NZ 98267	62.2					#4
5	NZ 90650	62.0					#5
10	NZ 80472	66.2					#6.
15	NZ 80472	66.2					#6
20	NZ 98267	65.8					#4
24	NZ 90650	65.8					#5

23

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	
Vertical (½ mile) 8' BJ + MTS.	25-0	403	405	
	27½-15	421	425	

11—5314

NOTES

Dara-dredging.

Station No. 8360 Date: 10/27 1915

Hour: 6³⁰ a. M. to 6⁵³ a. M.

Position: Lat. 38° 55' 42" Long. 76° 25' 30"

Locality: ½ mi. S.S.E. Tolley Pt. Shoal Buoy.

Depth: 4 Bottom: Soft. Sample: Bl mud

Wind: Direction, S.W. Force, 1

Sea: Calm Sky: Clear-hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
							EK
0	NZ 98267	62.2					#4
4	NZ 90650	63.1	(bottom)				#5
	24						

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	
8' BT. + MB.	5-7	638	653	
#5 + #20 Silk nets	Surf.	640	655	

11—5314

NOTES

✓

Station No. 8361 Date: 10/27 1915

Hour: 7 20 A. M. to 8 48 A. M.

Position: Lat. 38° 55' 9" Long. 76° 23' 72"

Locality: 2¾ mi. E.N.E. Thomas Pt. Shoal Li. Ho.

Depth: 23 Bottom: Hard Sample: Bl mud

Wind: Direction, S-W. Force, 1

Sea: Smooth Sky: Clear-Hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Ek.
0	NZ 80477	67.7					#6
5	NZ 90650	67.5					#5
10	NZ 90650	65.0					#5
15	NZ 80477	66.0					#6
20	NZ 98767	65.5					#4
25							

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	
8' BT & MTB.	25-17	814	824	
#5 + #20 silk nets	Surf.	833	848	
Meter Stramen	6	833	848	

11—5314

NOTES

Cora-dredging.

✓

Station No. 8362. Date: 10/27/15 191

Hour: 9 54 A. M. to 10 15 A. M.

Position: Lat. 39° 1' 18" Long. 76° 22' 42"

Locality: 700 yds NE ¾E from Sandy Pt. Lt. Ho.

Depth: 10 1/4 Bottom: Soft Sample: Bottom

Wind: Direction, S.W. Force, 1

Sea: Calm. Sky: Clear - hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
	26						

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	
8' BT. + MTB.	10½-10	10 05	10 15	
#5 + #20 silk nets	Surf.	10 05	10 15	

11—5314

NOTES

Course - Dredging
N x ½ W.

✓

Station No. P363 Date: 10/27 191 5

Hour: 10 47 a. M. to 11 30 a. M.

Position: Lat. 39° 1' 40" Long. 76° 20' 36"

Locality: 2 7/8 mi. E x N from Sandy Pt. Li. Ho.

Depth: 13 Bottom: Soft Sample: Bl. mud

Wind: Direction, S.W. Force, 1

Sea: calm Sky: clear-hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used ER
0	NZ98267	61.5					#4
5	NZ90652	61.9					#5
10	NZ80472	66.0					#6
13	NZ98267	65.6					#4

27

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	
8' BT & MPB.	13-14	11 00	11 10	
Meter Stromer	6-0	11 15	11 30	
#5 + #20 Silk nets	Surf.	11 15	11 30	

11—5314

NOTES

Course- dredging
N. ½ . N.

Station No. 8364 Date: 10/27 1915

Hour: 12 22 p. M. to 1 14 p. M.

Position: Lat. 39° 7' 55" Long. 76° 19' 36"

Locality: 2 1/8 mi. W. 1/4 S. from Swan Pt.

Depth: 7 1/4 Bottom: Soft + hard Sample: Black mud Gray marl + clay.

Wind: Direction, N.W. Force, 1

Sea: Mod. Sky: Clear - hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Ek.
0	N298267	63.0					#4
5	N290650	67.8					#5
7	N280497	65.0					#6
6	N298267	64.1					#4

2 8

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	
P'BT. + M.B.	7-4½	1.04	1.4	
#5 + #20 Silk net	Serv.	1.06	1.4	

11—5314

NOTES

Course-dredging.
W.N.W.

Station No. B365 Date: 10/27 191 5

Hour: 1 22 p. M. to 1 30 p. M.

Position: Lat. 39° 8' 0" Long. 76° 20' 55"

Locality: 3½ mi. W. ½ S. from Swan Point.

Depth: 3¾ Bottom: Soft Sample: Bl. Mud (from Leadsman)

Wind: Direction, N.W Force, 2

Sea: Mod. Sky: Clear-hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used E/R.
0	NZ 90650	62.6					#5
3	NZ 81472	62.0					#6

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

Map #1222

Station No. 8366 Date: 12/2/1915

Hour: 1:03 P.M. to 1.13 P.M.

Position: Lat. 37° 0" 40' Long. 76° 14' 33"

Locality: 1/2 mile WxS from Thimble Shoal Lt.

Depth: 16f. Bottom: Sofr. Sample: Gr. Bl. mud

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

Sea: Smooth. Sky: Clear-smoky horizon

TEMPERATURES

Depth METERS	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bigelow
0	B.F.	47.8					
10	98267	48.1					3
17	90630	50					2
26	80479	53					1

1

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	
8' B.T. + M.B.	14-10	3 50	4 05	
#5 Silk net.	Sur.	3 52	4 05	
#20 Silk net.	Sur.	3 52	4 05	

11—5314

NOTES

Course: E. x ½ N.
(Dredging)

Station No. 8367 Date: 12/3/ 1915

Hour: 7.05 A. M. to 7.15 A. M.

Position: Lat. 36° 58' 40" Long. 76° 7' 30"

Locality: 3/10 mile E 3/4 S. No. 5 Dredged Channel Buoy

Depth: 6 ft Bottom: Soft Sample: Blk Mud (from Leadsman)

Wind: Direction, N x W. Force, 5

Sea: Mod. Sky: Clear

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bige
Surf	NZ	49.3					
5	98267	50.					3
10	80479	51.2					1

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

Station No. 8368 Date: 12/3/15 191

Hour: 8.08 A.M. to 8.20 A.M.

Position: Lat. 36° 57' 10" Long. 76° 0' 18'

Locality: 1 1/2 miles N3/4E from Cape Henry Lighthouse

Depth: 12 f Bottom: Soft Sample: Blk Mud (from Leadsman)

Wind: Direction, NxW. Force, 5

Sea: Mod Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	NZ						Bige
Sur.		53.1					
9	90650	52.2					2
16	80479	54.					1
21	98267	54.					3

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	
1/2 meter Vertical	12-0 F	8.20	8.23	

11—5314

NOTES

Station No. 8369 Date: 12/3/15 191

Hour: 8.56 AM. to 9.10 AM.

Position: Lat. 36° 59' 35" Long. 76° 0' 42"

Locality: 1/2 mile N x W of Tail of Horseshoe Light

Depth: 7 1/2 f Bottom: Hard Sample: Fine (gray sand)

Wind: Direction, North Force, 5

Sea: Mod Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	N2						Bglw
Surf.		50.8					
5	90650	51.2					2
9	80479	52.0					1
13	98267	53.4					3

4

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	
BJ & MB	7½-8½	9.15	9.30	
#5 Silk Net	Surf	9.15	9.30	
#20 Silk Net	Surf	9.15	9.30	

11—5314

NOTES

N.W.
(Dredging Cruise)

Station No. D8370 Date: 12/3/15 191

Hour: 1918 a.M. to 1929 a.M.

Position: Lat. 37° 1' 24" Long. 75° 59' 40"

Locality: 2.6 miles NXE 1/4 E from Tail of Horseshoe Lightship

Depth: 4 1/2 ft. Bottom: Hard Sample: F.G. Sand (from Seaman)

Wind: Direction, N. Force, 5

Sea: Mod Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	N. 2.						Bglw.
Surf		48					
4	80479	49.5					1
7	98267	49					3

5

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. 8371 Date: 12/3/15 191

Hour: 11.19 a M. to 11.26 a M.

Position: Lat. 37° 3' 18" Long. 75° 58' 12"

Locality: 9/10 mile W x S 3/4 S. no 4 buoy Nautilus Shoal

Depth: 7 1/2 Bottom: Soft. Sampler: Fine Sand & Broken Shells

Wind: Direction, N Force, 3

Sea: Mod Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	N Z						Bgl
Sur		48					
7	80479	48.9					1
13	98267	48.5					3
9	90650	48.5					2
	6						

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	
B.T. Mud Bag	9-6½	1126	1150	
Welsh net	6-4	1156	1206	
Surface net #5		1157	1206	
" " #20		1157	1206	

11—5314

NOTES

Welsh net carried away at frame while dredging.
N.W. X W
(Dredging Course)

Station No. 8372 Date: 12/3/15 191

Hour: 2.25 P.M. to 2.52 P.M.

Position: Lat. 37° 13' 12" Long. 76° 4' 30"

Locality: 2 mile W 1/4 S. from Cherrystone.

Depth: 18 ft Bottom: Hard Sample: Sea-Weed and Fine Gray Sand.

Wind: Direction, N.W. Force, 3

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ						Bglw
Surface		48.5					
5	80479	49.2					1
9	90630	49.2					2
11	90630	49.8					2
21.5	80479	50.3					1
32	98267	49.3					3

7

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	
1/2 Meter Vertical	18-0	2.53	2.54	
B.J. & Mud Bag	18-8	3.01	3.16	
Welsh net	8-8	3.22	3.32	
#5 Silk Surfacenet	Surf	3.22	3.33	
#20 " " "	"	3.22	3.33	

11—5314

NOTES

W. N.W.
(Dredging Course)

Station No. 8373 Date: 12/3/15

Hour: 3.51 P.M. to 4.08 P.M.

Position: Lat. 37° 13' 24" Long. 76° 8' 0"

Locality: 5.8 miles W1/4 N from Cherrystone Light

Depth: 6 1/2 f Bottom: Hard Sample: Fine gray sand

Wind: Direction, N.W. Force, 3

Sea: Smooth. Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ						Bglw
Surf		47.9					
4	90650	48.1					2
8	80479	49.1	No water sample				1
9	80479	49.5	-- quantitated				1
11	98267	49.7					3

8

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. 8374 Date: 12/4/15 191

Hour: 8.44 a.M. to 8.50 a.M.

Position: Lat. 37° 17' 12" Long. 76° 14' 12"

Locality: 2 1/4 miles SE x E 1/4 E. from new Point Comfort Lighthouse

Depth: 4 1/4 fa Bottom: Hard Sand Sample:

Wind: Direction, N.W. Force, 4

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	NZ						Bglw
Sur		47.8					
7	90650	48.5					2

9

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. 8375 Date: 12/4/13 191

Hour: 9.08 a.M. to 9.13 a.M.

Position: Lat. 37° 16' 20" Long. 76° 11' 42"

Locality: 4½ miles S.E. x E ¼ E from new Point Comfort Lt. house

Depth: 7f Bottom: soft mud Sample: Gr. Blk

Wind: Direction, N.W. Force, 4

Sea: Smooth Sky: Clear. Smoky Horizon

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	NZ						Bglr
Sur		48.3					
4	80479	49.5					1
8	90650	49.	quantitated				2
12	98267	49.6					3

10

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	
B.J.L Misc Bag	7½-7	9.27	9.37	
#5 Silk surface net	surf	9.25	9.38	
#20 " " "	surf	9.25	9.38	

11—5314

NOTES

N.W. X W.
(Dredging Course)

Station No. 8376 Date: 12/4/15 191

Hour: 12.15 P.M. to 12.25 P.M.

Position: Lat. 37° 35' 20" Long. 76° 11' 0"

Locality: 2 1/2 miles E X S 1/4 S from Windmill Pt. Lt house

Depth: 7 1/4 f Bottom: Soft Grish Blk mud Sample:

Wind: Direction, N.W. Force, 4

Sea: Smooth Sky: Clear

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	98267		47.1				3
4	90650		47.2				2
12	80479		50.2				1
8	80479		50.0				1

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	
Beam Trawl & Mud Bag	7 1/4-8	1242	1257	
Welsh net	7-7 1/4	1.07	1.17	
#5 Silk Surface net	Surf	1.06	1.17	
#20 " " "	Surf	1.06	1.17	

11—5314

NOTES

NWXW
(Dredging Course)

Station No. 8377 Date: 12/4/15 191

Hour: 147 p.M. to 200 p.M.

Position: Lat. 37° 36' 18" Long. 76° 7' 42"

Locality: 5.2 miles E of Windmill Pt. Lt. House

Depth: 7 f Bottom: Soft Sample: Soft Blk Mud (from Leadsman)

Wind: Direction N.W. Force, 4

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ						Bglw
Surface			46.8				
6	80479		48.9				1
11	90650		50				2

12

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. 8378 Date: 12/4/13 191

Hour: 2.28 p.M. to 240 p.M.

Position: Lat. 37° 38' 24" Long. 76° 6' 30"

Locality: 4.9 miles S 1/2 E. from Sam Marcos Wrk.

Depth: 8 f Bottom: Soft Sample: Grnish Black Mud.

Wind: Direction, N.W. Force, 4

Sea: Smooth Sky: Clear

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bylw
Surface			47.0				
7	10479		49.0				1
9	98267		49.0	quantitated			3
13	90650		49.8				2

13

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

√

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Beam Trawl & M.V.B.	8-7 1/4	2.44	2.49	

11—5314

NOTES

W.N.W
(Dredging Course)

Station No. 8379 Date: 12/4/15 191

Hour: 3.37 p.M. to 4.05 p.M.

Position: Lat. 37° 39' 18" Long. 76° 2' 12"

Locality: 4 1/4 miles S.S.E. from San Marcos W.R.K.

Depth: 19 f Bottom: Soft Sample: Greenish black mud

Wind: Direction, N.W. Force, 4

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ						Bofw
Surface			46.4				
8	90650		47.5				2
16	98267		50.2				3

14

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	
1/2 meter Vertical	17 m-0	348	349	
B.J. and W.B.	19-7	355	405	
#5 silk surface net	Surf.	355	405	
#20 " " "	Surf	355	405	

11—5314

NOTES

W.N.W.
(Dredging Course)

Station No. 8380 Date: 12/4/15 191

Hour: 4.55 P.M. to 5.01 P.M.

Position: Lat. 37° 41' 12" Long. 75° 58' 0"

Locality: 5 3/4 miles SE X E 3/4 E from San Marcos Wrk.

Depth: 4 1/2 Bottom: Soft Black Mud Sample:

Wind: Direction, N.W. Force, 4

Sea: Smooth Sky: Clear, Smky Horizon.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters Surf	NZ		46.1				Bglw
7	90650		47				2

15

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

V

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

map #1223.

Station No. 8381 Date: 12/5/15 191

Hour: 7 48 A. M. to 9 18 A. M.

Position: Lat. 37° 51' 55" Long. 76° 10' 0"

Locality: 1/4 mi. S.S.E. Sm. PN. Pt.

Depth: 25 7 Bottom: Soft Sample:
Gr. Blk Mud

Wind: Direction, North Force, 2

Sea: Smooth Sky: Partly clear

TEMPERATURES

Depth meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	BF	45.2	Q				1
9	98267	47.2	Q				3
18	90650	49.7	Q				2
27	80479	50.8	Q				1
37	90650	50.8					2
43	98267	50.9					3

Station
① 16

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

V

NETS, ETC., USED

Description	Depth F	TIME Down	TIME Up	Speed
1/2 Meter Vertical	25-0	8.19	8.21	
8' B.T. & M.B.	13-10	8 40	8 55	
Welsh Net	22-13	9 12	9 23	
# 5 Silk Net	Surface	9 10	9 23	
# 20 " "	"	9 11	9 23	

11—5314

NOTES

S.W. (Course Dredging)

Station No. 8382 Date: 12/5/13 191

Hour: 9 57 A.M. to 10 15 A.M.

Position: Lat. 37° 52' 30" Long. 76° 7' 24"

Locality: 2 1/10 mi. E. 5/8 S. from Sw. Pt. L.H.

Depth: 7 1/4 7 Bottom: Soft Sample: Blk Mud. (From Leadsman)

Wind: Direction, North Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	BF	45.8					
3	80479	47					1
9	90650	48.1	Q.				2
12	98267	48.5					3
	17						

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. 8383 Date: 12/5/15 191

Hour: 10 30 A.M. to 10 40 A.M.

Position: Lat. 37° 53' 0" Long. 76° 5' 30"

Locality: 4½ mi. E ¼ S from Sm. Pt. L.H.

Depth: 6 7. Bottom: Soft Fine Gray Sand Sample:

Wind: Direction, North Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	NZ						Bglw
0	B.F.	46.5	Q				
5	90630	47.2					2
9.	98267	48.5	Q				3

18

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' B T & M.B.	6½-6	10 45	11 00	
# 5 silk nets	surface	10 45	10 55	
# 20 " "	"	"	"	

11—5314

NOTES

map #1224

Station No. 8384 Date: 12/5/15 191

Hour: 12 45 P. M. to 1 25 P. M.

Position: Lat. 37° 59' 36" Long. 76° 21' 30"

Locality: 3 1/5 mi. SW 34 S from Pt. Lookout Lt. H.

Depth: 7 F. Bottom: Hard. Sample: Gray Sand.

Wind: Direction, North. Force, 2

Sea: Smooth. Sky: Pt Cldy. Smky Horizon

TEMPERATURES

Depth meters	Thermometer—Make and No. N7	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bgler
0	BF	44.7					
5	90650	45.6					2
11	80479	48.					1

19

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' B.T.& M.B.	7-5 1/2	1 10	1 20	
#5 silk net	Surface	1 12	1 20	
#20 " "	"	1 12	1 20	

11—5314

NOTES

Station No. 8385 Date: 12/5/13 191

Hour: 2^09 P.M. to 3:57 P.M.

Position: Lat. 38° 1' 24" Long. 76° 21' 36"

Locality: 2 mi. W.S.W. from Pt. Lookout L.H.

Depth: 12½ ft Bottom: Soft Sample: Soft Black Mud.

Wind: Direction, N.W. Force, 3

Sea: Smooth Sky: Cloudy Hazy Horizon

TEMPERATURES

Depth meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	BF	45					
4	90650	46					2
×8	90650	47					2
9	80479	47.2					1
×17	80479	47.6					1
18	90650	47.2					2
×22	98267	47.2					3

20

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	12½-0	2 39	2 40	
8' BT & M.V.O.	13-10½	2 50	2 55	
#5 Silk Net	Surf	2 51	2 55	
#20 " "	Surf	2 51	2 55	

11—5314

NOTES

West
(Course Dredging)

Station No. 8386 Date: 12/5/15 191

Hour: 3.18 P. M. to 3 24 P. M.

Position: Lat. 38° 2' 30" Long. 76° 20' 36"

Locality: 1 1/10 mi. WxN ½ N from Pt. Lookout L.H.

Depth: 5 7 Bottom: Soft Sample: Blk Mud (from Leadsman)

Wind: Direction, NWxW Force, 2

Sea: Smooth Sky: O.C. and hazy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meter	NZ						Bylw
0	B.F.	45.9					
4	90650	46.6					2
7½	80479	47.1					1

21

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. 8387 Date: 12/6/15 191

Hour: 8 18 A.M. to 8 35 A.M.

Position: Lat. 38° 7' 6" Long. 76° 17' 0"

Locality: 3/4 mi. SW. x S from Pt. No Pt. L.H.

Depth: 6 3/4 F Bottom: ~~Soft~~ Blue Mud Sample:

Wind: Direction, North Force, 6

Sea: Moderate. Sky: Cloudy.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	NZ						Bglr
0	B.F	45.5				~~+~~	
6	90650	46				+	2
9	98267	46.1				+	3
12	80479	46.4				+	1

22

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

V

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Station No. 8388 Date: 12/6/15 191

Hour: 9 a.m. A. M. to 10 05 A. M.

Position: Lat. 38° 7' 12" Long. 76° 13' 90"

Locality: 3½ mi. E x S from Pt. No Pt. L.H.

Depth: 21.5 Bottom: Hard Sample: Sea Weed & Broken Shells

Wind: Direction, North Force, 6

Sea: Short choppy sea Sky: Cloudy

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	BF	45.5				~~+~~	
5	90650	46.3				+	2
10	80479	46.8				+	1
17	80479	48.2				+	1
26	90650	50.				+	2
35	98267	52.2				+	3
9	80479					~~+~~	1
18	90650					~~+~~	2
27	98267					~~+~~	3

23

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	
1/2 Meter Vertical	21-0	9.32	9 34	
8' B.T. & M.B.	21-11	9 37	10 01	
#5 Silk Net	surf	9 40	10 01	
#20 Silk Net	"	9 50	10 11	

11—5314

NOTES

Station No. 8389 Date: 12/6/15 191

Hour: 10 25 A.M. to 10 40 A.M.

Position: Lat. 38° 7' 3" Long. 76° 9' 30"

Locality: 4 1/10 mi, NW 3/8 N from Holland Is. Bar L.H.

Depth: 4 17 Bottom: Soft Sample: Blk Mud

Wind: Direction, North Force, 6

Sea: Cross Choppy Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ						Bglw
0	B.F	45.8				X8	
3	90650	46.4				+ 2	
6	98267	46.5				+ 3	

24

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Station No. 8390 Date: 12/6/15. 191

Hour: 11 47 A. M. to 12 08 A. M.

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

Locality: 4/5 mi SW 1/8 S from Hooper Is. L. H.

Depth: 23 7 Bottom: Soft Sample: Gr. Blk Mud

Wind: Direction, North Force, 6

Sea: Choppy Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ						Bglw
0	BF	45.5				+	
5	80479	46.2				+	1
10	90650	46.2				+	2
18	98267	48.1				+	3
27	90650	50.				+	2
37	80479	50.8				+	1

237

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. 8391 Date: 12/7/15 191

Hour: 8 13 A. M. to 8 49 A. M.

Position: Lat. 38° 18' 40" Long. 76° 25' 50"

Locality: 3/4 mi. S.W. from Brum Pt. L.H.

Depth: 10'/47. Bottom: ~~Soft~~ Soft Black mud Sample:

Wind: Direction, N.W. Force, 2

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	BF	44.				+	
4	80479	44.9				+	1
9	90650	44.3				+	2
16	98267	44.3				+	3

26

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	
8' B.T. & M.B	10¼-11	8 34	8 40	
#5 silk net	Surf	8 33	8 40	
#20 " "	Surf	8 33	8 40	

11—5314

NOTES

Station No. 8392 Date: 12/7/15 191

Hour: 9 15 A.M. to 9 23 A.M.

Position: Lat. 38° 19' 18" Long. 76° 22' 20"

Locality: 1 1/2 mi. N. from Cedar Pt. D.H.

Depth: 5 7 Bottom: Soft Sample: Blk Mud

Wind: Direction, North Force, 4

Sea: Moderate Sky: Cloudy

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Dgw
0	BF	43.5				+	
4	90650	44.				+	2
8	98267	44				+	3

27

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. 8393. Date: 12/7/15 191

Hour: 9.45 A. M. to 9.56 A. M.

Position: Lat. 38° 19' 45" Long. 76° 20' 6"

Locality: 2 1/5 mi. NE from Cedar Pt. L.H.

Depth: 8 1/4 ft Bottom: Soft Sample: Blk Mud

Wind: Direction, NW Force, 4

Sea: Moderate Sky: Cloudy

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	BF	43.8				+	
5	80479	45.				+	1
9	98655	44				+	2
15	98267	46.8				+	3

28

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

24 hour Station

Station No. 8394 Date: 12/7/15 191

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

Position: Lat. 38° 20' 12" Long. 76° 17' 54"

Locality: 3/10 mi. SXE 3/4 E from Spar Buoy 16-D.

Depth: 27 ft. Bottom: Soft Sample: Sft Blk W

Wi

Se

D

C

R

24 hour Station

S Station No. 8394 Date: 12/7/15 191

H Hour: 10 25 A. M. to . M.

P Position: Lat. 38° 20' 12" Long. 76° 17' 54"

L Locality: 3/10 mi. SXE 3/4 E from Spar Buoy 16-D.

D Depth: 27.7 Bottom: Soft Sample: Sft Blk M

Force, 6

a Sky: Cloudy

MPERATURES

Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used

CURRENTS

Time down	Revolutions	Speed	Direction

Transparency:

11—5314

DEPARTMENT OF COMMERCE

Time	meters depth	Temp.
Dec. 7		
10.55 A.M.	0	4
11 15 A.M.	10	
11 33 A.M.	25	
11 44 A.M.	40	
1.58 P.M.	0	
2 09 P.M.	10	
2 19 P.M.	25	
2 30 P.M.	40	
3.19 P.M.	0	5
3 39 P.M.	10	5
3 52 P.M.	25	5
4 01 P.M.	40	

Series 1

Series 2

Series 3

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
12/8/15 1/2 meter Vertical	27-0	8 38 am	8 40 a.m.	12/8/15
8' BT & M B	27-	9 35 "	9.47	
#5 Silk net	Surf	9 35	9.47	
#20 " "	Surf	9 35	947	

Series 78

14.

+

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Ser
-1

Bottle No. Bottle	Series 8 Meters	Reading	Bottle No. + Bottle 9:00-9:30	Series 9 Meters	10:30 to 10:55 Reading	Bottle No. + B
+ BF	0	41.5	B.F.	0	43.5	B.F.
+ 479	6	45.5	1 80479.	6.	45.0	1 80479
+ 650	11	45.7	2 90650.	11.	44.6	2 90650
+ 267	18	46.1	3 98267.	18.	46.8	3 98267
+ 67	27	47.6	3 98267.	27.	48.8	1 80479.
+ 650	37	48.8	2 90650.	37.	49.0	2 90650.
+ 479	46	49.4	1 80479.	46.	49.0	3 98267.
	11			#12		
+ F.	1.20 a.m. to 1.35 a.m.	+ 43.8	B.F.	2.55 a.m. to 3.10	+ 44.0	B F
+ 267	"	+ 45.0	1 80479	"	+ 45.0	1 80479
+ 650	"	+ Ther. did not work	2 90650	"	+ 45.0	2 90650
+ 479	"	+ 46.5	3 98267	"	+ 46.9	3 98267
+ 479	"	+ 48.2	3 98267	"	+ 48.2	3 98267
+ 650	"	+ 49.0	2 90650	"	+ 48.5	2 90650
+ 267	"	+ 49.4	1 80479	"	+ 49.2	1 80479

DEPARTMENT OF COMMERCE

Series -13-	Depth Meters	Thermo. Readings	Bottle used and number	Series -14- 5:59 - 6:35	Thermo Readings	Bottle used and number	Series 15. 7:28 to 7:50	Thermo Readings	Bottle used and number
425 a.m. to 4.40 a.m.	0	+ 43.8	BF	0	+ 43.5	B.F.	0.	43.7	B.F.
	6	+ Thermo did not work	2 90650	6	+ 44.0	3 98267.	6.	+ 441	3 98267
	11	+ 44.2	3 98267	11	+ 44.2	2 90650	11.	+ 443	2 90650
	18	+ 46.7	1 80479	18	+ 46.9	1 80479	18.	+ 47.5	1 80479
	27	+ 48.0	1 80479	27	+ 48.5	1 80479.	27.	+ 48.8	1 80479
	37.	+ 48.2	2 90650	37	+ 48.6	2 90650.	37.	+ 48.8	2 90650
	46	+ 48.9	3 98267	46	+ 49.0	3 98267.	46.	+ 49.0	3 98267
Series -16- 9.00 a.m. 9.18 a.m.	0	+ 43.6	BF	Series -17-			Series -18-		
	6	+ 44.7	1 80479						
	11	+ 44.4	2 90650						
	18	+ 45.0	3 98267						
	27	+ 48.6	3 98267						
	37	+ 49.0	2 90650						
	46	+ 49.5	1 80479						

No. 205
Ed. 10-23-14—300,000

1225

Station No. 8395 Date: 12/8/15 191

Hour: 11 30 A. M. to 12 55 P. M.

Position: Lat. 38° 31' 18" Long. 76° 24' 34"

Locality: Bell Buoy 18-A Bearing N 1/4 W.
Spar Buoy 16 F Bearing E x N 5/8 N.

Depth: 11 1/4 7 Bottom: Hard Sample:
Fine grayish Black Sand & Blk Sea-weed

Wind: Direction, South Force, 4

Sea: Moderate Sky: O.C. F.D.

TEMPERATURES

Depth meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	B.F	42.8				+	
4	98267	43.2				+	3
10	90650	45.0				+	2
18	80479	50.0				+	1
9.	98267	45.0				+	3

30

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	
8' BT & MB	7			
#5 Silk net	11-12	12 40 PM	12 50	
#20 " "	Surf	12 40	"	
	"	12 40	"	

11—5314

NOTES

1225

Station No. 8396 Date: Dec 9 1915

Hour: 11 12 A. M. to 12 05 P. M.

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

Locality: Sharps Is. St Bearing S.E 1/2 S 27/10 Miles

Depth: 21 7 Bottom: Hard Sample: Gray Sand & Black Sea Weed.

Wind: Direction, NW x W Force, 6

Sea: moderate Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	NZ						Bglw
0	B.F.	42.3				+	
5	90650	42.8				+	2
11	98267	47.0				+	3
18	98267	50.0				+	3
27	90650	50.2				+	2
36	80479	50.9				+	1

31

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
1/2 meter Vertical	21-0	11 33	11 35	
8' BT & M.B.	21-12	11 41	12 02	
#5 Silk Net	Surf	11 48	12 02	
#20 " "	"	11 45	12 02	

11—5314

NOTES

SW x S 1/2 S.

(Course Dredging)

1225

Station No. 8397 Date: 12/9/15 191

Hour: 128 P. M. to 158 P. M.

Position: Lat. 38° 49' 24" Long. 76° 27' 12"

Locality: ~~Can Buoy 27~~ 3/4 mile S.E. x S 1/2 S from Can Buoy 27

Depth: 5 3/4 7 Bottom: Soft Sample: Soft Black Mud and Dark Colored Sea Weed

Wind: Direction, N.W. Force, 6

Sea: Moderate Sky: Pt. Cloudy

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bakr
0	B.F.	42.8				+g	
5	98267	43.2				+	3
9	80479	47.0				+g	1

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	
8' BT & M.B.	5 3/4-5 3/4	1 43	1 53	
#5 silk net	surf	1 43	1 53	
#20 " "		1 43	1 53	

11—5314

NOTES

1225

Station No. 8398 Date: 12/9/15 191

Hour: 2 15 P. M. to 2 30 P. M.

Position: Lat. 38° 0' 6" Long. 76° 25' 42"

Locality: 1 3/4 Miles W 3/4 N from Bloody Pt Bar Lighthouse, Thomas Pt. St. N 1° E

Depth: 7 1/2 ft Bottom: Soft Sft Bldg Md. Sample:

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						Bgl
0	B.F.	43.3				q +	
7	98267	43.9				+	3
10	90650	44.0				q	2
13	80479	44.5				+	1

1°

33

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

1225

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

Hour: 2 53 P. M. to 3.38 P. M.

Position: Lat. 38° 30' 20" Long. 76° 24' 0"

Locality: 1/2 m NWxN from Bloody Pt Bar Lighthouse

Depth: 23 7 Bottom: Hard Broken Shells Sample:

Wind: Direction, N.W. Force, 7

Sea: Choppy Sky: Clear

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Bglw
0	B.F.	42.5				+8	
10	90650	45.0				+	2
9	90650	43.2				8	2
12	80479	48.8				+	1
18	98267	49.5				+9	3
27	90650	51.0				+8	2
37	80479.	51.0				+	1

34

Cancelled Refer to next book

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

49.5

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth 7	TIME Down	TIME Up	Speed
1/2 meter Vertical	23	3 22	3 24	
8' BT & M.B.	23 1/2 16	3 41	3 56	
#5 Silk net	surf	3 41	3 56	
#20 " "	"	3 41	3 56	

11—5314

NOTES

1225

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

Hour: 7 24 A. M. to 7 47 A. M.

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

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

Depth: 187 Bottom: Hard Sample: 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 BF						Bglw
	35						

Cancelled Refer to next book

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' B.T. & M.B.	18-11½	1 24	7 39	

11—5314

NOTES

8401 12/14/15

8 40 am to 9 25 a.m.

Bottom: Hard Sample: Brkn Shells

Depth 9 1/2 F Sea moderate

Sky clear Wind N.W. Force 4

meters Depth		Thermom Maker no		Water Sample	Bttle Used	Bttle no
meters		NZ			Pglw	
0	41.1	BF		+q		1
5	42.0	80479		+		2
10	43.9	90650		q		3
15	49.8	98267		+		1
12.5	50.2	80479		+		

Cancelled Refer to next page

Loca 1/2 mile E.N.E. from Sandy Pt St.

Lat 39° 1' 12" Long. 76° 22' 30"

36

	Depth Ft.	Down	Up
8' B.T. & M.B.	9¼-9¾	9.15	9.23
#5 Silkhet	Surf	9.15	9.23
#20 " "	"	9.15	9.23

8402 12/10/15

9 45 a.m. to 10 25 a.m.

Bottom Hard Sample, Small quantity of Broken Shells

Depth 14 1/4 Sea Moderate wind N.W.

Force 4 Sky clear

Depth meters	Reading	Thermometer number	S	Bottle used Bglass
0	41.2	BF	+ q	
6				
11				
8	42.0	98267	+	3
11	50.0	98267	q	3
14	50.0	90650	+	2
20	51.0	86479	+	
9.5	49.2	90650	+	2

Cancelled

Refer to next book

57.0 at 20

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Finis

Locality: Sandy Pt Lt. Bearing WXS. Baltimore Lt Bearing N.W.

Lat. 39° 1' 36" Long. 76° 20' 35"

8' B.T. & M.B. 14-14 10 17 10 23

Depth 7 Down Up

A.M.