8350-8398.

FISH HAWK.
8350
TO
8398

√

Station No. 8350 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: Pt. No. Pt. Li. bearing W x N - Hooper Is. Li. N x 1/4 W
Holland Is. Bar Li S.E. x E. Pt Lookout Li SW x 1/4 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 Ekman
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

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' B.J. & W.B.	18¾-17½	9 55	10 10	
#5 & #20 Silk nets.	Surf.	10 23	10 38	
Meter Strainers.	8½-0	10 23	10 38	

11—5314

NOTES

Water sample - 20 fms
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: Pt. no Pt. W x S. Hooper Is. Lt. Hse. N W x N
Holland Is. bar Lt. Hse. S S E

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

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 Ekman
0	NZ 98267	62.7					#4
4	NZ 90650	63.7					#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	
8' B.T. & M.B.	4-4	11 25	11 35	
Meter Stramen	3-0	11 42	11 57	
#5 & #20 Silk Nets.	Surf.	11 42	11 57	

11—5314

NOTES

Course - dredging - N.
" meter nets - S. S. W.

Station No. 8252 Date: 10/25/15 191

Hour: 1 02 p. M. to 1 10 p. M.

Position: Lat. 38° 15' 12" Long. 76° 16' 0"

Locality: 3/4 mi. SW x W ½ mi. W. Hooper Is. Li. Ho.

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 Ekman
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

CURRENTS

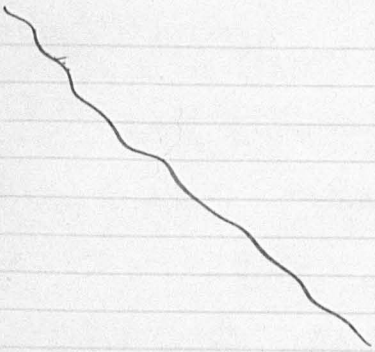
Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
				

11—5314

NOTES

Depth - 25 fms. — water samples.

Station No. 8353 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: Gr. sand.

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 Ekman
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

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 net	Surf.	2 53	3 08	
Meter Strainer	20-0	2 53	3 08	
8' B. T. & M. B.	16½-21½	2 29	2 44	

11—5314

NOTES

Course - N x W.

Station No. 8354 Date: 10/25 1915

Hour: 1 35? P. M. to 4 01 P. M.

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

Locality: 2¼ mi. SE ½ S leave Pt. Lo. No.

Depth: 8½ Bottom: Soft Sample: Greenish mud

Wind: Direction, SE Force, 3.

Sea: Mod. Sky: clear - hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Ekman
0	NZ 80472	63.2					# 6
5	NZ 98267	62.7					# 4
8	NZ 90650	65.0					# 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	
8' B.T. & MB.	8½-8½	3 #6	4 01	
± 5 & ± 20 Silk Mat	Surf.	3 #6	4 01	

11—5314

NOTES

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 Beer Buoy #18 (a)

Depth: 13 Bottom: Sofr Sample: Greenish mare.

Wind: Direction, N.W. Force, 4

Sea: Mod. Sky: clear-hazy horizon.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
							Ekman
0	NZ 80477	62.1					#6
3	NZ 80477	62.3					#6
8	NZ 98267	65.2					#4
12	NZ 90650	65.7					#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	
8' B.T. x MB	10-7	8 49	9 04	
Meter Strainer	6	9 18	9 35	
#5 & #20 Silk net	Surf.	9 18	9 35	

11—5314

NOTES

Bottom at 12 x 13 fms.

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

Hour: 11 14 a. M. to 12 15 p. M.

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

Locality: 2 mi. WxS spar buoy #1 on S. end Tilghman's Island.

Depth: 19½ Bottom: Softr. Sample: Black mud & sand

Wind: Direction, NW Force, 4

Sea: Mod. Sky: Clear - hazy horizon.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
							Ekman
0	NZ 80477	63.0					#6
5	NZ 90650	62.0					#5
10	NZ 98267	65.5					#4
16	NZ 98267	65.5					#4
19	NZ 90650	65.5					#5

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
8' B.T. & M.B.	19-18	11 48	11 53	
Meter Stramen	10	12 05	12 15	
#5 & #20 Silk net	Sev.	12 05	12 15	

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 Wharf.

Depth: 6 Bottom: Soft. Sample: Black mud & marl.

Wind: Direction, NW Force, 3

Sea: Mod. Sky: Clear - hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
							Ekman
0	NZ 80472	63.0					#6
5	NZ 98267	64.2					#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	
8' BJ & BNB.	6-6½	1 09	1 24	
Meter Straimen	2½-0	1 31	1 46	
#5 & #20 Silk nets.	Surf.	1 31	1 46	

11—5314

NOTES

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

Hour: 2^52 P. M. to 3^15 P. M.

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

Locality: 401 yds. E of can buoy - off Horse Shoe Pt.

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

Wind: Direction, NW Force, 3.

Sea: Mod. Sky: clear hazy hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
							Ekman
0	NZ 98267	62.5					#4
5	NZ 90650	63.9					#5

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
8' B.T. & M.B.	6-6 1/4	3 08	3 15	
#5 & #20 Silk nets	Sur.	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. Hs. bearing SEXS
Kent Pt. ESE

Depth: 27 Bottom: Soft Sample: Black 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
							Ekman
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

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Vertical ½ Meter	25-0	4 03	4 05	
8 B.T. & M.B.	27½-15	4 21	4 48	

11—5314

NOTES

Course - dredging.

Station No. 8360. Date: 10/27/15 191

Hour: 6 30 A. M. to 6 53 P. M.

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

Locality: ½ mi. SSE Tolley Pt. Shoal Buoy

Depth: 4 Bottom: Soft Sample: Black 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
							Ekman
0	NZ98267	62.2					#4
4	NZ90658	63.1	(bottom)				#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	
8' B.T. & M.G.	5-7	6 38	6 53	
#5 & #20 silk net	Surf.	6 40	6 55	

11—5314

NOTES

Station No. 8361 Date: 10/27/15 191

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

Position: Lat. 38° 55' 9" Long. 76° 23' 12"

Locality: 2 3/4 mi. ENE Thomas Pt. Shoal
E Hd.

Depth: 23 Bottom: Hard Sample: Black mud.

Wind: Direction, SW Force, 1

Sea: Smooth. Sky: Clear-hazy hot.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Ekman
0	NZ 80472	62.2					#6
5	NZ 90650	62.5					#5
10	NZ 90650	65.0					#5
15	NZ 80472	66.0					#6
20	NZ 98267	65.5					#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	
8' B.T. & M.B.	25-17	8 14	8 24	
#5 & #20 silk net.	Surf.	8 33	8 48	
Meter Stramen	6-0	8 33	8 48	

11—5314

NOTES

Course-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. N.E ¾ E from Sandy Pt. Li. 700.

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

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.	10½-10	10 05	10 15	
#5 & #20 Silk Net.	Sur.	10 05	10 15	

11—5314

NOTES

Course - dredging.
N & ½ W.

Station No. 8363 Date: 10/27/15. 191

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

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

Locality: 2 1/8 mi. E x N from Sandy Pt. Li. Ho.

Depth: 13. Bottom: Soft. Sample: Black 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
							Ekman
0	NZ 98267	61.5					#4
5	NZ 90652	61.9					#5
10	NZ 80472	66.0					#6
13	NZ 98267	65.6					#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	
8' B.T. & M.B.	13-14	11 00	11 10	
Meter Stramen	6-0	11 15	11 30	
#5 & #20 Silk nets	Sur.	11 15	11 30	

11—5314

NOTES

Course-dredging.
N 1/2 W

Station No. 8364 Date: 10/27/15, 191

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

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

Locality: 2 1/8 mi. N. 1/4 E. from Swan Pt.

Depth: 7 1/4 Bottom: Soft & hard Sample: Black mud & gr. more 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

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.T.B.	7-4½	1 04	1 14	
#5 & #20 Silk nets.	Surf.	1 06	1 14	

11—5314

NOTES

Course - dredging.
W.N.W.

Station No. 8365 Date: 10/27/15 191

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 Pt.

Depth: 3 3/4 Bottom: Soft. Sample: Black 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
0	N Z 90650	62.6					Ekman #5,
3	N Z 80472	62.0					#6,

CURRENTS

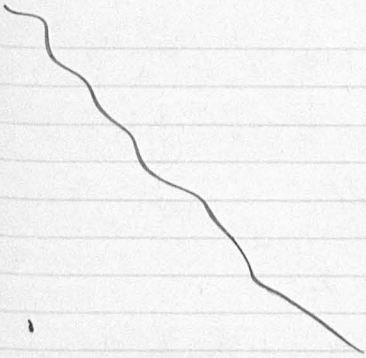
Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
				

11—5314

NOTES

Station No. 8366 Date: Dec. 2 1913

Hour: 1.03 P.M. to 1.13 P.M.

Position: Lat. 37° 0' 40" Long. 76° 14' 35"

Locality: ½ mile WxS from Thimble Shoal Lighthouse

Depth: 16 F Bottom: Soft Sample: Greenish Black Mud

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

Sea: Smooth Sky: Clear: Smoky Horizon

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
METERS	NZ						Biglow
0	B.F.	47.8					
10	98267	48.1					3
17	90650	50.					2
26	80479	53					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' Beam T & Mud Bag	14-10	3 30	4 03	
#5 Silk Net	Surface	3 32	4 03	
#20 " "	Surface	3 32	4 03	

11—5314

NOTES

Course E 1/2 N. (Dredging)

Station No. 8367 Date: Dec 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 3/8 S. from No. 5 Dredged Channel Buoy.

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

Wind: Direction, N x W Force, 5

Sea: Moderate Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
METERS	NZ						Bglw
0	BF	49.3					
5	98267	50					3
10	80479	51.2					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	

NOTES

Station No. 8368 Date: Dec. 3 1915

Hour: 8 08 A. M. to 8 20 A. M.

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

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

Depth: 12 F Bottom: Soft Sample: Black Mud

Wind: Direction, N 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						Biglow
0	BF	50.1					
9	90650	52.2					2
16	80479	54.					1
21	98267	54					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	12F-0	8:20	8 23	

11—5314

NOTES

Station No. 8369 Date: Dec 3 1915

Hour: 8.36 A. M. to 9.10 A. M.

Position: Lat. 36° 59' 55" Long. 76° 0' 42"

Locality: 1/2 mile NxW from Tail of Horseshoe Lightship

Depth: 7 1/2 F Bottom: Hard Sample:
Fine Gray Sand

Wind: Direction, North Force, 5

Sea: Moderate Sky: Clear

TEMPERATURES

Depth Meters	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	BF	50.8					
3	90650	51.2					2
9	80479	52					1
15	98267	53.4					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	
8' Beam Trawl & Mud Bag	7½–8	9 15	9 30	
#5 Silk Net	Surface	9 15	9 30	
#20 " "	"	9 12	9 30	

11—5314

NOTES

Course N.W. (Dredging)

Station No. D 8370 Date: Dec 3 1915

Hour: 10 18 A. M. to 10 29 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 F Bottom: Hard Sample: Fine Grey Sand

Wind: Direction, North Force, 5

Sea: Moderate Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	NZ						Bglw
0	BF	48					
4	80479	49.5					1
7	98267	49					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	

NOTES

Station No. 8371 Date: Dec 3 1915

Hour: 11[19] A. M. to 11[26] A. M.

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

Locality: 3/10 mile WXS 3/4 S. from No. 4 Buoy Nautilus Shoal

Depth: 7 1/2 F Bottom: Soft Sample: Fine Sand and Broken Shells

Wind: Direction, North Force, 5

Sea: Moderate Sky: Clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters	NZ.						Bglw
0	BF	48					
7	80479	48.9					1
13	98267	48.5					3
9	90650	48.5					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	9-6 1/2	11 26	11 50	
Welsh Net	6-4	11 56	12 06	
#5 Silk Net	Surface	11 57	12 06	
#20 " "	"	11 57	12 06	

11—5314

NOTES

"Welsh net carried away at frame while dredging"

Course N W x W. (Dredging)

Station No. 8372 Date: Dec 3 1915

Hour: 2 25 P. M. to 2 52 P. M.

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

Locality: 2 miles W 1/4 S. from Cherrystone Light

Depth: 18 F 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
0	BF	48.5					
9	80479	49.2					1
11	90650	49.8					2
21.5	90650	50.3					2
32	80479	49.3					1
5	98267	49.2					3

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 Meter Vertical	18–0	2 33	2 54	
8' Beam Trawl & Mud Bag	18–8	3 01	3 16	
Welsh Net	8–8	3 22	3 32	
#5 Silk Net	Surface	3 22	3 33	
#20 " "	"	3 22	3 33	

11—5314

NOTES

Course W.N.W. (Dredging)

Station No. 8373 Date: Dec 3 1915

Hour: 3 51 P. M. to 4 08 P. M.

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

Locality: 5 8/10 miles W 1/4 N from Cherrystone Light

Depth: 6 1/2 F Bottom: Hard Fine gray Sand Sample:

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						Bylw
0	BF	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

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. 837H Date: 12/4/15 191

Hour: 8 44 a. M. to 8 00 p. M.

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

Locality: 2¼ mi. SE x E ¼ E from New R. Comft C. H.

Depth: 4¼ f. Bottom: Hard F.S. sand Sample:

Wind: Direction, NW. Force, 4

Sea: Smooth Sky: clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
M	NZ						Oglow.
Sur.		47.8					
7	90650	48.5					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. 8375. Date: 12/4/15 191

Hour: 9 08 a. M. to 9 13 a. M.

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

Locality: 4½ mi. SE x E ¼ E from New Pt. Comfort L. H.

Depth: 7 ft. Bottom: Soft. Sample: Gr. blk. mud.

Wind: Direction, N.W. Force, 4

Sea: Smooth Sky: Clear-am. hor.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
M							B.
Surf		48.3					
4	80479	49.5					1
8	90650	49.0	Quantitated.				2
12	98267	49.6					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	
B. T. & Mid.	7½-7	9 27	9 37	
#5 Surface Silk	Surf.	9 25	9 38	
#20 Subface "	Surf.	9 25	9 38	

11—5314

NOTES

NW x W - Dredging.

Station No. B376. 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: 2½ mi E X S ¼ S from Windmill Pt. L. N.

Depth: 7¼ Bottom: Soft. Sample: Grnish Blk. mud.

Wind: Direction, N.W. Force, 4

Sea: Smooth Sky: clear.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
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	
B.S. & M.B.	7¼-8	12 47	1 57	
Welsh Net	7-7¼	10 7	1 17	
#5 Silk.	Surf.	10 6	1 17	
#20 Silk.	Surf.	1 06	1 17	

11—5314

NOTES

Dredging - N.W. x W

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

Hour: 1147 A. M. to 7:00 P. M.

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

Locality: 5½ mi. E of Windmill Pt. L.H.

Depth: 7 f. Bottom: Soft Sample: Soft
bl. mud (leadsman)

Wind: Direction, NW Force, 4

Sea: Sm. Sky: clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
M	NZ						B.
Sur			46.8				
6	80479		48.9				1
11	90650		50.0				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

Station No. 8378 Date: 12/4/15 191

Hour: 2-8 p. M. to 2-40 p. M.

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

Locality: 4.9 mi. 5½ E from San Marcos Wrk.

Depth: 8 f. Bottom: Soft. Sample: Grnsh. bl. mud.

Wind: Direction, N.W. Force, 4

Sea: Sm. Sky: Clear.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
7	80479		49.0				1
9	98267		49.0	Quan.			3
13	90650		49.8				2
Sur.			47.0				

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. & N.B.	8-7½	2 44	2 49	

11—5314

NOTES

Dredging - WNW

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

Hour: 337 P. M. to 405 P. M.

Position: Lat. 37° 39' 18" Long. 76° 21' 12"

Locality: 4¼ mi. SSE from San Marcos Wrk.

Depth: 9 f. Bottom: Sofr. Sample:
Smsh. Bl. mud.

Wind: Direction, N.W. Force, 4

Sea: Sm. Sky: clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
M	NZ						B
Surf.			46.4				
8	90650		47.5				2
16	98267		50.2				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	
½ M. Vertical	17M-0	3 48	3 49	
B.T. & M.B.	9-7¼	3 55	4 05	
#5 Silk net	Surf.	3 55	4 05	
#20 " "	Surf.	3 55	4 05	

11—5314

NOTES

Dredging - WNW.

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 mi. S.E ¼E 3/4 E from San Marcos Shrk.

Depth: 4½ Bottom: Soft, Black mud Sample:

Wind: Direction, NW Force, 4

Sea: Sm. Sky: clear. Hazy. Hot.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
B	NZ						12.
Surf.			46.1				
7	90650		47.0				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

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

Hour: 7 48 A. M. to 8 19 A. M.

Position: Lat. 37° 3' 55" Long. 76° 10' 0"

Locality: 1/4 mi. SSE Smith Pt. L.H.

Depth: 25 f. Bottom: Sofr. Sample: Gr. bl. mud.

Wind: Direction, N Force, 2

Sea: Sm. Sky: Partly clear.

TEMPERATURES

Depth M	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
0	B.F.	45.2	-9				B.
9	98267	47.2	-9				3
18	90650	49.7	-9				2
27	89479	50.8	-9				1
37	90650	50.8					2
43	98267	50.9					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	
½ Meter	25.0	8 19	8 21	
B.J. & Mi B.	13-10	8 40	8 55	
Dredge net	12-13	9 12	9 23	
#5 Sidgwick net	Surf.	9 10	9 23	
#20 " "	Surf.	9 10	9 23	

11—5314

NOTES

Dredging - S.W.

Station No. 8382. Date: 12/5/15 191

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

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

Locality: 2.9 mi. E. 5/8 S from Smith Pt. Right N.

Depth: 7 1/4 ft. Bottom: soft. Sample: Blk mud.

Wind: Direction, N Force, 2

Sea: Sm. Sky: clear.

TEMPERATURES

Depth M	Thermometer—Make and No. N.Z.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	837	45.8					
5	84779	47.0					1
7	90650	48.1	9.				2
12	98767	48.5					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

Station No. 8383 Date: 14/5/15 191

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

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

Locality: 4.5 mi. E 1/4 S from Smith Pt. L. H.

Depth: 6 f. Bottom: Soft. Sample: fine gy. sand.

Wind: Direction, N Force, 2

Sea: Sm. Sky: clear.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
M	N.Z						B.
0	B.F.	46.5	q				
3	90650	47.2					2
9	98267	48.5	q.				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	
8' BT. & MTD.	6½-6	10 45	11 00	
#5 Surf.	Surf.	10 45	10 55	
#20 Surf.	Surf.	10 45	"	

11—5314

NOTES

Station No. 8984 Date: 12/5/15 191

Hour: 12 45 P. M. to 1 15 P. M.

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

Locality: 3½ mi. S.W. ¾ S from Pt. Lookout Lt. H.

Depth: 7 f. Bottom: hard Sample: Gr. sand

Wind: Direction, N Force, 2

Sea: Sm. Sky: Ptly cloudy sm. hor.

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	BF	44.7					
5	91650	45.6					2
11	80479	48.0					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	
8 BT. & MB.	7-5½	1 10	1 20	
#5 Silk	Surv.	1 12	1 20	
#00 Silk	Surv.	1 12	1 20	

11—5314

NOTES

Station No. 8385 Date: 12/5/15 191

Hour: 2 02 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 f. Bottom: Soft. Sample: Soft black mud

Wind: Direction, NW Force, 3

Sea: Smo. Sky: Cloudy - hazy hor.

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	45.0					
4	90650	46.0					2
x 8	90650	47.0					2
9	80479	47.2					1
x 17	80479	47.6					1
18	90650	47.2					2
x 22	98267	47.2					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	
½ Meter Ver.	12½-0	2 39	2 40	
8' B.T. & Mtb.	13-10¼	2 52	2 53	
#5 Sick	Surf.	2 51	2 55	
#20 Sick	Surf.	2 51	2 55	

11—5314

NOTES

Dredging - W.

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

Hour: 3 18 P. M. to 3 52 P. M.

Position: Lat. 38° 21' 30" Long. 76° 20' 36"

Locality: 1.1 mi. W x N ½ N from Pr. Lookout L. H.

Depth: 5 f. Bottom: Soft Sample: Blk mud. (leadsman)

Wind: Direction, NW x W Force, 2

Sea: Sm. Sky: Cl. & hazy.

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F	45.9					
½	90650	46.6					2
1½	80479	47.1					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	

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 Pro. Pt. N. A. Z.

Depth: 6 3/4 f. Bottom: soft Sample: Blk mud

Wind: Direction, N Force, 6

Sea: mod. Sky: cloudy

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	45.5				+ 1	
6	90650	46.0				+	2
9	98267	46.1				2	3
12	80479	46.4				+	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	

11—5314

NOTES

Station No. 8288 Date: 12/6/15 191

Hour: 901 a. M. to 1005 a. M.

Position: Lat. 38° 7' 12" Long. 76° 13' 20"

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

Depth: 21 f. Bottom: Hard Sample: Sea weed, and broken shells.

Wind: Direction, N Force, 6

Sea: Short Choppy Sky: Cloudy

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	BF.	45.5				+	
5	90650	46.3				+	2
10	80479	46.8				+	1
17	80479	48.2				+	1
26	90650	50.0				+	2
35	98267	52.2				+	3
9	80479					+	1
18	90650					+	2
27	98267					+	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	
½ M. Vertical	51-0	9 32	9 34	
8' B.V. & M.B.	21-11	9 51	10 01	
#5 Silk net	Surf.	9 50	10 01	
#20 Silk net	Surf.	9 50	10 01	

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 mi. N.W. 3/8 N from Holland to. Bay. L. N.

Depth: 4 f. Bottom: Sofr. Sample: Blk. mud

Wind: Direction, N Force, 6

Sea: broso choppy Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
M	NZ						03
0	BF	45.8				+	
3	90650	46.4				+	2
6	98767	46.5				+	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

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

Hour: 11 47 a. M. to 12 08 p. M.

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

Locality: 4/5 mi. S W 1/8 S from Hooper's I. L. H.

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

Wind: Direction, N Force, 6

Sea: Choppy Sky: Cloudy.

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	45.5				+	
5	80479	46.2				+	1
10	90650	46.2				+	2
18	98767	48.1				+	3
27	90650	50.0				+	4
37	80479	50.8				+	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. 8391 Date: 14/7/15. 191

Hour: 8 a. M. to 8 p. M.

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

Locality: 3/4 mi. S.W. from Drum Pt.

Depth: 10 1/4 f. Bottom: Soft Sample: Soft black mud

Wind: Direction, N.W. Force, 2

Sea: Sm. Sky: Cloudy.

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	44.0				+	
4	80479	44.9				+	1
9	90650	44.5				+	2
16	98267	44.3				+	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	
8' BJ. & BKB.	10½-11	8 34	8 40	
#5 Pickerel	Surf.	8 33	8 40	
#20 " "	Surf.	8 33	8 40	

11—5314

NOTES

Station No. 8892 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 7/8 mi. N from Cedar Pt. L. H.

Depth: 5 f. Bottom: Soft Sample: Blk mud.

Wind: Direction, N Force, 4

Sea: Mod. Sky: Cloudy

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	BF	43.5				+	
4	98650	44.0				+	2
8	98267	44.0				+	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

Station No. 8393 Date: 12/7/15 191

Hour: 9 45 a . M. to 9 56 a . M.

Position: Lat. 35° 19' 45" Long. 76° 20' 6"

Locality: 2.1 mi. N.E. from Cedar Pt. L.H.

Depth: 8¼ f. Bottom: Sofr Sample: Blk mud.

Wind: Direction, NW Force, 4

Sea: Mod. Sky: Cloudy

TEMPERATURES

Depth M	Thermometer—Make and No. NZ	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used B.
0	B.F.	43.8				+	
5	80479	45.0				+	1
9	96550	44.0				+	2
15	98267	46.8				+	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

Station No. 8294 Date: 12/7/15. 191

Hour: 10 25 A. M. to 10 00 A. M. 12/8/15

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

Locality: 3/10 Mile S x E 3/4 E from Spar Buoy 16-I

Depth: 27. F. Bottom: Soft Sample: Soft
Black Mud.

Wind: Direction, South Force, 6

Sea: Cross Choppy Sea Sky: Cloudy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bott use

24 hours Station

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Directi

Color of water: Transparency:

REMARKS:

11—5314

Depth Meters	Series 1	Reading	Thermom	Depth Meters	Series 2.	Reading	Number of Thermom	Depth Meters	Series 3	Reading	Number of Thermometer	Depth Meters	Series 4	Reading	Thermometer Number
0		44.8	B.F.	0		44.4	B.F.	0		44.6	B.F.	0		45.0	B.F.
6		45.6	80479	6		45.0	80479	6		45.1	80479	6		45.8	80479
11		45.8	90650	11		45.4	90650	11		45.0	90650	11		45.7	90650
18		46.8	98267	18		46.1	98267	18		45.8	98267	18		45.9	98267
27		49.6	80479	27		48.8	80479	27		46.1	98267	27		46.5	98267
37		49.2	90650	37		49.0	90650	37		49.0	90650	37		49.0	90650
46	10 23 Rm to 10 30 Rm.	49.1	98267	46	11 37 Am. to 12 20 PM	49.1	98267	46	1 37 PM to 1 50 P.M.	49.8	80479	46	2 53 to 3 14 PM.	49.6	80479

Meters	Series 5	Reading	Thermom Number	Meters	Series 6.	Reading	Thermom Number	meters	Series 7	Reading	Thermom Number	meters	Series 8	Reading	Thermometer Number
0		44.3	BF	0		43.7	B.F.	0		43.6	B.F.	0		41.5	B.F.
6		45.1	80479	6		45.1	80479	6		45.1	80479	6		45.5	80479
11		48.6	90650	11		45.0	90650	11		45.0	90650	11		45.7	90650
18		46.0	98267	18		45.9	98267	18		45.9	98267	18		46.1	98267
27		47.6	98267	27		46.1	98267	27		46.2	98267	27		47.6	98267
37		48.5	90650	37		48.5	90650	37		48.3	90650	37		48.8	90650
46	4 30 to 4 50 P.M.	49.5	80479	46	6 03 to 6 23 PM.	49.5	80479	46	7 30 to 7 45 PM	49.1	80479	46	9 00 to 9 30 P.M.	49.4	80479

meters	Series 9	Reading	Thermom Reading	meters	Series 10	Reading	Thermom Number	meter	Series 11	Reading	Thermom Reading	meter	Series 12	Reading	Thermometer Number
0		43.5	B.F.	0		43.5	B.F.	0		43.8	B.F.	0		44.0	B.F.
6		45.0	80479	6		43.8	98267	6		45.0	80479	6		45.0	80479
11		44.6	90650	11		45.8	90650	11		failed to work	90650	11		45.0	90650
18		46.8	98267	18		46.5	80479	18		46.5	98267	18		46.9	98267
27		48.8	80479	27		49.0	80479	27		48.2	98267	27		48.2	98267
37		49.0	90650	37		49.0	90650	37		49.0	90650	37		48.5	90650
46	10 30 to 10 53 P.M.	49.0	98267	46	12 50 to 12 22 A.M. Dec. 8.	48.9	98267	46	1 20 to 1 33 A.M.	49.4	80479	46	2 53 to 3 10 A.M.	49.2	80479

meter	Series 13	Reading	Thermom number	meter	Series 14	Reading	Thermom number	meter	Series 15	Reading	Thermom number	meter	Series 16	Reading	Thermom number
0		43.8	B.F.	0		43.5	B.F.	0		43.7	B.F.	0		43.6	B.F.
6		failed to work	90650	6		44.0	98267	6		44.1	98267	6		44.7	80479
11	a.m.	44.2	98267	11	3 39 a.m.	44.2	90650	11	9 a.m.	44.3	90650	11	8 a.m.	44.4	90650
18		46.7	80479	18		46.9	80479	18		47.5	80479	18		45.0	98267
27	6 45	48.0	"	27	6 23	48.5	80479	27	7 28 to 7 50	48.8	80479	27	9 00 to 9 18	48.6	98267
37		48.2	90650	37		48.4	90650	37		48.8	90650	37		49.0	90650
46	2 4	48.9	98267	46	3 32	49.0	98267	46		49.0	98267	46		49.5	80479

December 7 1915

Station 8394

24 hour station

Location

3/10 mile S x E 3/4 E from Spar Buoy 16-D off Barren Islands

Depth 27 fathoms

at 10 20 a.m. when we anchored tide was ebbing., Slack water at about 11 30 A.M.

High water slack at 7 20 PM.

Discription of work performed.

Water samples were taken as near as might be at intervals of 1/2 hours at the following depths in meters, 0-6-11-18-27-37-46.

Such readings as could be conveniently secured with Edman current meter were also taken.

The first two series were not very successful and not much dependence can be placed on them

Series of samples ended at 9 18 A.M. December 8, 1915,

Vertical haul made, Beam trawl, mud bag, and surface nets used at end of series

½ Meter Vertical	27-0	8" AM	8 42 AM	
8' Beam Trawl & Mud Bag	27-26	9 24 "	9 47 "	
# 5 Silk Net	Surf	9 35 "	9 47 "	
# 12 " "	"	9 35 "	9 47 "	

Current Meter Readings

	Depth in Meters	Time 12/7/15	Time Period	Revolutions	Pockets in which are Most shot
Series 7.	0	"	"	"	"
	10	"	"	"	"
	25	"	"	"	"
	40	10 58 PM	5' 0"	391	N.W.
		12/8/15			
Series 8.	0	"	"	"	"
	10	"	"	"	"
	25	"	"	"	"
	40	8 24 AM	5' 0"	646	North

Current Meter Readings

	Depth in Meters	Time 12/7/15	Time Period	Revolutions	Pockets in which are most shot
Series. 1.	0	10 53 AM	4' 55"	433	S.
	10	11 15 AM	5' 0"	857	S.S.E.
	25	11 33 AM	5' 0"	1318	S x W
	40	11 44 AM	5' 0"	1287	S x E
Series. 2.	0	1 58 PM	5' 0"	777	S x W to S
	10	2 09 PM	5' 0"	986	S
	25	2 19 P.M.	3' 30"	1611	S.S.W.
	40	2 30 P.M.	5' 0"	3078	S x E
Series. 3.	0	3 19 PM	5' 0"	1037	S.S.W.
	10	3 39 P.M.	5' 1"	813	S x E
	25	3 52 P.M.	5' 0"	1287	S x W
	40	4 01 P.M.	5' 0"	1470	S. x W.

	Depth in Meters	Time 12/7/15	Time Period	Revolutions	Pockets in which are most shot
Series. 4.	0	6 29 PM	5' 0"	286	S x W
	10	6 38 PM	5' 0"	310	S.S.W.
	25	6 47 PM	5' 0"	362	S.
	40	6 57 PM	5' 0"	596	S x W
Series. 5.	0	"	"	"	
	10	"	"	"	
	25	"	"	"	"
	40	7 52 PM	5' 0"	233	S.
Series. 6.	0	"	"	"	"
	10	"	"	"	"
	25	"	"	"	"
	40	9 33 PM	5' 0"	209	N.N.W.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
12/8/15	Fath			
½ Meter Vertical	27-0	8 58 AM	8 49 AM	
8' Beam Trawl & Mud Bag	27-26	9 22 "	9 47 "	
# 5 Silk Net	Surf	9 33 "	9 47 "	
# 20 " "	"	9 33 "	9 47 "	

1—5314

NOTES

Records of series of water samples and Current Meter readings found on attached sheets.

map 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' 54"

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 F Bottom: Hard Sample: Fine Grayish Sand and Black Sea-weed

Wind: Direction, South Force, 4

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

TEMPERATURES

Depth Meters	Thermometer—Make and No. N.Z.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used Biglow
0	B.F.	42.8				+	
4	98267	43.2				+	3
10	90650	43.0				+	2
18	80479	50.0				+	1
9	98267	43.0				+	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	
8' Beam Trawl & Mud Bag	11-12	12 40 PM	12 50 P.M.	
#5 Silk Net	Surf	12 40 "	12 50 "	
#20 " "	"	12 40 "	12 50 "	

11—5314

NOTES

Station No. 8396 Date: 12/9/15 191

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

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

Locality: Sharpe's Island Light Bearing S.E 1/2 S. 2 7/10 Miles

Depth: 21. F. Bottom: Hard Sample: Gray Sand and Black Sea-weed.

Wind: Direction, NWxW Force, 6

Sea: moderate Sky: Clear

TEMPERATURES

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

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	21-0	11[33] AM	11[35] AM	
8' Beam Trawl & Mud Bag	21-12 3/4	11[47] "	12[02] PM	
# 5 Silk Net	Surf	11[48] "	12[02] "	
# 20 " "	Surf	11[47] "	12[02] "	

11—5314

NOTES

SW x S 1/2 S.

(Course Dredging)

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

Hour: 1 28 P. M. to 1 58 P. M.

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

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

Depth: 5 3/4 Fr Bottom: Soft Sample: Soft
Black Mud and Dark colored Sea-weed

Wind: Direction, N.W. Force, 6

Sea: Moderate Sky: Partly Cloudy.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Meters	NZ						Bigelow
0	B.F.	42.8				+ 8	
5	98267	43.2				+	3
9	80479	47.0				+ 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
8' Beam Trawl & Mud Bag	5 3/4-5 3/4	1 43 PM	1 53 PM	
#5 Silk Net	Surf	1 43 "	1 53 "	
#20 " "	Surf	1 43 "	1 53 "	

11—5314

NOTES

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 1/2 N from Bloody Pt. Bar Lthouse
Thomas Pt. Light N 1° E

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

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						Diglow
0	B.F.	43.3				&	
7	98267	43.9				+	3
10	90650	44.0				&	2
13	80479	44.5				+	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	

11—5314

NOTES