8197 to 8247

FISH HAWK.
STA. 8197
TO
STA. 8247.

DEPARTMENT OF COMMERCE

8502 - 4/22/16 - Lat. 37° 3' 24", Long. 75° 58' 20"
Cape Charles Lt. N.E., Buoy E. 1/8 S.
Lt. Ship S.W. X S 3/4 S., Depth 10 fms.
Hard bottom, Shells and F. G. S.

8302 - 8/8/15 - Lat. 34° 20' 30", Long. 26° 48' 00", off
Fishing Buoy. Depth 16 fms., hard bottom.

No. 205
Ed. 5-15-16—500,000

Station No. 8197 Date: Aug 1 1914

Hour: 11 20 . M. to 11 35 A M.

Position: Lat. Long.

Locality: Fishing bank off Beaufort N.C.

Depth: 14½-15½ Bottom: hard Sample:

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

Sea: Lt. swell Sky: Partly 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
8' Beam trawl	14½ fm			slow
Surface net	Surface			

11—5314

NOTES

Courses
1st ~~East~~ West 5 minutes
2nd W x N 4 "
3rd W N W 4 "

Buoy bears at end of run E N E ¼ E 3/4 mile

Surface net carried away.

Approximate position of fishing buoy is 21 miles S X W 7/8 W of bell buoy; lat. 34°19' N; long. 76°48' W.

Station No. 8198 Date: Aug 1st 1914

Hour: 12 45 P.M. to 1:00 P.M.

Position: Lat. Long.

Locality: Fishing Bank off Beaufort N.C.

Depth: 14½-14¾-14⅗ Bottom: Hard Sample:

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

Sea: Light swell Sky: Partly 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
8' Beam trawl	14½ fm	12 45 pm	1.03 pm	slow
Surface net from boom	"	"	"	"

11—5314

NOTES

Course:
1st Due West
Buoy bears end of run E x S
2 miles

Station No. 8199 Date: Aug 1 1914

Hour: 1:21 P. M. to 1:33 P. M.

Position: Lat. Long.

Locality: Fishing Banks off Beaufort N.C.

Depth: 14 3/4-15-14 3/4 Bottom: hard Sample:

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

Sea: Light swell Sky: partly 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
8' Beam trawl	14 3/4 from	1:21 pm	1:35 pm	slow
Surface net from boom	surface	1:30 pm	1:32 pm	"

11—5314

NOTES

Courses: West

Buoy bears end of run E.S.E 3 miles

Station No. 8200 Date: Aug 1 1914

Hour: 3:14 P.M. to 3:26 P.M.

Position: Lat. Long.

Locality: Fishing Banks off Beaufort N.C.

Depth: 14½-16¾-14¾ Bottom: Smooth Sample:

Wind: Direction, So. West Force, 2

Sea: Light swell Sky: partly 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
8' Beam trawl	14½ fms	2:14 pm		slow

11—5314

NOTES

Course from buoy due East

Buoy bears at end of run: due West ½ mile

Station No. 8201 Date: Aug 10 1914

Hour: 11:15 A.M. to 11:42 A.M.

Position: Lat. Long.

Locality: Fishing Banks off Beaufort N.C.

Depth: 14½-14½ Bottom: Rough Sample:

Wind: Direction, S.W. Force, 3

Sea: Gentle swell Sky: Partly 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
3 surface nets	surface	11:15	11:40	slow
1 Mud bag frame	14½ fm			

11—5314

NOTES

Running due East from Buoy

Slow speed with mud bag frame

From 11:15 to 11:36 Very rough bottom
11:36 11:39 Rough
11:39 11:41 Smooth

Drag continued 1½ miles east of buoy

On hoisting frame found partly carried away

Station No. 8202 Date: Aug 10 1914

Hour: 1:12 P.M. to 2:14 P.M.

Position: Lat. Long.

Locality: On Fishing Banks off Beaufort N.C.

Depth: 14½-14¾-14½ Bottom: Sample:

Wind: Direction, SW to S Force, 3-5

Sea: Gentle Swell Sky: Partly 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
3 surface nets	surface	1:12	2:14	Slow
1 Mud bag frame	14½ fm	1:12	2:14	"

11—5314

NOTES

Running due South from Buoy with mud bag frame on bottom

From 1:12 PM	to 1:19 PM	Smooth	14½
1:19	1:30	Scattering rough	14½
1:30	1:40	Fairly dense	14½
1:40	1:41	Dense	14½
1:41	1:45	Scattering	14½
1:45	1:47	Smooth	14½
1:47	1:51	Scattering	14½
1:51	1:55	Fairly dense in spots	14¾
1:55	2:02	Scattering	14¾
2:02	2:07	Smooth	15
2:07	2:14	Hard	15¼

Run of 3½ miles; at end of run fishing lines put over and fair fishing obtained

Station No. 8203 Date: Aug 10 1914

Hour: 2.40 P.M. to 2.46 P.M.

Position: Lat. Long.

Locality: Fishing Bank off Beaufort N.C.

Depth: 15¼-15½ Bottom: Smooth Sample:

Wind: Direction, South Force, 3

Sea: Gentle swell Sky: partly 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
8' beam trawl	16 fms	2.40	2.46	slow

11—5314

NOTES

Trawl down in 15½ fms water

Dredging course: due North.

Station No. 8204 Date: Aug 10 1914

Hour: 3²⁶ P. M. to 3³¹ PM.

Position: Lat. Buoy bears due North ~~Long.~~ 1 mile distance

Locality: Fishing Banks off Beaufort N.C.

Depth: 14½-14½ Bottom: Sample:

Wind: Direction, So. Force, 3

Sea: Gentle sea Sky: Overcast (rain)

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
8' Beam trawl and mud bag	14½fm	3²⁶	3³¹	slow

11—5314

NOTES

Buoy bears due North distance of 1 mi at start of dredge.

8' Beam trawl & mud bag attached

Mud bag torn on side but brought up sample

Station No. 8205 Date: Aug 10 1914

Hour: 3.46 P.M. to 5.02 P.M.

Position: Lat. Course due West from buoy Long.

Locality: Fishing Banks off Beaufort N.C.

Depth: 14½ Bottom: Sample:

Wind: Direction, So. Force, 5

Sea: Gentle swell Sky: Overcast (rain squall

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
1 Mud bag frame	14½	3.46	5.02	slow
3 Surface tow nets	surface	3.50	5.02	"

11—5314

NOTES

Course from Buoy due West

From 3:46 to 3:51 Smooth 14½-14
at distance 500 yards struck coral bottom
3:51 to 3:54 Rough spots 14½
3:54 to 4:05 Very hard botm 14½-14½
4:05 to 4:07 {Scattering coral hard bottom} 14½

4:07 to 4:12 Rough 14½
Started frame at 4:12 so as to get on course again Down at 4:14
4:14 to 4:27 Rough 14½-14½

Started in 4:27 to fish Down at 4:45
" " surface nets also " " "
From 4:45 to 4:50 Rough 14½
4:50 to 4:52 Scattered coral 14½
4:52 to 4:55 Sandy & smooth 14½
4:55 to 4:58 Hard 14½
4:58 to 5:02 Sand 14½

Distance of course 2 miles

Station No. 8206 Date: Aug 11 1914

Hour: 8.06 A.M. to 8.45 A.M.

Position: Lat. Course due North from Buoy

Locality: Fishing Banks off Beaufort N.C.

Depth: 14½ Bottom: Smooth Sample:

Wind: Direction, South Force, 2

Sea: Gentle swell Sky: Bright & 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
Mud bag frame	14½	8:06	8:45	slow
3 surface nets from port boom	surface	8:06	8:45	"

11—5314

NOTES

Course from Buoy North

From 8:06 to 8:18 Smooth 14½-14¾-14
8:18 to 8:21 Scattering 14
8:21 to 8:27 Rough (hard) 14-14¼
Struck patch coral 1 mile due N
8:27 to 8:30 coral bottom rough 14¼
8:31 to 8:36 (shell) smooth 14-14¼
8:36 to 8:38 scattering coral 14¼
8:38 to 8:45 rough 14

Distance of run 2 miles due N of Buoy

Lay at fishing from 8:45 to 9:15
caught 10 black fish

Station No. 8207 Date: Aug 11 1914

Hour: 9:15 A.M. to 9:21 A.M.

Position: Lat. Course due South Long. Buoy

Locality: Fishing Banks off Beaufort N.C.

Depth: 14 Bottom: Scattered coral Sample:

Wind: Direction, South Force, 2

Sea: Gentle swell Sky: Bright & 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
8' Beam trawl and Mud bag	14 fm	9:15	9:21	slow
2 surface nets from port boom	surface	9:15	9:22	slow

11—5314

NOTES

Course to Buoy due South

Fishing with 8' Beam trawl & mud bag

Fishing with lines from 9:25 to 9:50 AM
Caught 61 fish

Station No. 8208 Date: Aug 11 1914

Hour: 10:23 AM. to 10:43 AM.

Position: Lat. Course from Buoy Long. N East

Locality: Fishing Banks off Beaufort N.C.

Depth: 14 ft Bottom: Shell (rough) Sample:

Wind: Direction, South Force, 3

Sea: Gentle swell Sky: Bright & clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
	F4						

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
Mud bag frame	14 ft	10:23	10:43	slow
2 surface Nets from port boom	surface	10:15	10:44	"

11—5314

NOTES

Course from Buoy N.E.

From 10:23 to 10:27 (shell) rough 14 ft
10:27 to 10:30 scattering hard 14
10:30 to 10:31 shell 14
10:30 to 10:31½ scattering coral lumps 14 ft
10:31½ to 10:33 rough 14 ft
10:33 to 10:43 sand & smooth 14½-14½

Ran out of coal about ½ mi from Buoy on to sand bottom

Distance of run 1 mi from Buoy

Began hand line fishing at 10:43 am

Station No. 8209 Date: Aug 11 1921

Hour: 11:00 A.M. to 1:35 P.M.

Position: Lat. Course from Buoy S. East

Locality: Fishing Banks off Beaufort N.C.

Depth: 14 3/4 Bottom: smooth & coral Sample:

Wind: Direction, South Force, 3

Sea: Gentle sea Sky: Bright & clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
(Continued)							
At 1:34 pm, Through spot 2 1/2 mi from buoy							
From 1:34 to 1:35 Rough spots 14 3/4							
Heaved in 1:35 and fished with lines (No fish)							
Lowered triangle at 1:48 pm							
From 1:48 to 1:52 Hard bottom 15-14 3/4							
Distance 2 miles							

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
Mud bag frame	14 3/4	11:00	1:35	slow
2 Surface nets from port boom	surface	11:00	11:25	
Triangle dredge	14 1/2	1:10	1:52	

11—5314

NOTES

Course S. East from Buoy

From 11:00 to 11:05 Soft sand bottom 14 1/4-14 1/2
11:05 to 11:06 Sand & scattering coral 14 1/2
11:06 to 11:06 1/2 Rough bottom 14 1/2

At 11:10 Mud frame caught on bottom or ledge necessitating backing ship and heaving in. All heaved in at 11:13 (distance from Buoy 1/4 mile).

Fishing with lines at 11:15 & brought up some black fish.

Mud bag lowered 11:19 am
From 11:19 to 11:25 Hard rough bottom 14 1/2

At 11:25 frame caught on bottom or ledge. necessitating going astern & heaving in All heaved in 11:30 am Anchored ship

Began fishing with lines at 11:30 am
From 1:10 to 1:12 Hard bottom 14 1/2 (1 mi SE Buoy
1:12 to 1:15 Rough in spots 14 1/2
At 1:15 struck another ledge 14 3/4
From 1:15 to 1:18 Very rough in spots 14 3/4
1:18 to 1:20 Smooth but hard bottom 14 3/4
1:21 to 1:22 Smooth 15
1:22 to 1:22 1/2 Rough spots
1:22 1/2 to 1:26 Smooth 14 3/4-15 1/4
1:26 to 1:28 Hard & rough in spots (2 mi

Station No. 8210 Date: Aug 14 1911

Hour: 2:02 P.M. to 2:07 P.M.

Position: Lat Course N.N.x.W ~~Long.~~ toward buoy

Locality: Fishing banks off Beaufort N.C.

Depth: x Bottom: Sample:

Wind: Direction, x 14½-15-15 So. West Force, Hard

Sea: Gentle swell Sky: Bright 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
8' Beam trawl with mud bag	14½	2:02	2:07	slow
2 surface Nets from port boom	surface	2:05	2:07	slow

11—5314

NOTES

Course N.N.x.W to Buoy

Using 8' Beam Trawl & attached mud bag

Hauled up at 2:07

Station No. 8211 Date: Aug 11 1914

Hour: 2:30 P. M. to 2:37 P.M.

Position: Lat. Course N.N.x.N. Long. toward buoy

Locality: Fishing Banks off Beaufort N.C.

Depth: 15-15 Bottom: Rough Sample:

Wind: Direction, So West Force, 2

Sea: Gentle swell Sky: Bright & 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
8' Beam trawl & mud bag	15 fm	2:30	2:37	slow
2 surface nets from port boom	surface	2:33	2:37	slow

11—5314

NOTES

Course N.N.x.N. towards Buoy

Heaved up 2:37 after trawl had caught on ledge at bottom

1 3/4 mi S.E. of Buoy

Hand lines used at end of haul about 8 black fish taken

Most distant point in this direction in which black fish have been taken.

Station No. 8212 Date: Aug 11 1914

Hour: 3:06 .M. to 3:16 .M.

Position: Lat. Course N.N. towards Buoy

Locality: Fishing Banks off Beaufort N.C.

Depth: 14 3/4-14 3/4-14 1/2 Bottom: Rough Sample:

Wind: Direction, S.N. Force, 2

Sea: Gentle swell Sky: Pr. 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
8' Beam trawl with mud bag	14 3/4	3:06	3:16	slow
2 surface nets from port boom	surface	3:05	3:06	slow

NOTES

11—5314

Course N.N. toward Buoy (distance about one mile)

Fishing with hand lines excellent.

Took in 2 large sponges in trawl

Station No. 8213 Date: Aug 11 1914

Hour: Aug 11 4:10 P.M. to Aug 12 8:27 A.M. (5 mi)

Position: Lat. Course N.N. from ~~Long.~~ buoy

Locality: Fishing Banks off Beaufort NC

Depth: 14-14¼-14½ Bottom: Hard Sample:

Wind: Direction, SW. Force, 2 Aug 11, 4 " 12

Sea: Gentle swell Sky: Bl. & clear Aug 11, Pt. clear " 12

TEMPERATURES

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

4½ Miles N.N. of Buoy Aug 12-14

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
Triangle dredge	14½	4:10 8:12	5:12 8:27	slow
2 Surface nets from port boom	surface	4:14 8:15	5:14 8:27	

11—5314

NOTES

Course from Buoy N.N.

From 4:10 to 4:14 Scattering, rough spots 14½
4:14 to 4:20 Hard & rough 14½-14-14¼
4:20 to 4:24 Very rough 14-14
4:24 to 4:25 Rough in spots 14
4:25 to 4:26 Hard bottom & rough 14
4:26 Struck Rough coral ledge 14
4:26 to 4:34 Hard bottom & rough 14¼-14¼
4:34 Struck heavy coral ledge
4:34 to 4:40 Hard & rough 14¼-14¼
4:40 to 4:47 Scattered rough spots 14¼-14
4:47 to 5:05 Hard bottom rough spots 14-14-13½
5:05 to 5:07 Smooth, hard spots 13½
5:07 to 5:10 Bottom hard 13½
5:10 to 5:12 Bottom hard, coral 13½

Heaved up at 5:12 & used hand fishing lines anchored at 5:18 pm for night 3¾ miles from buoy

Aug 12-14 Up anchor at 8:05 Course N.N. from buoy
Launched trawl triangle 8:12 am
From 8:12 to 8:16 Sandy bottom 14¼
8:16 to 8:17 Scattering lumps
8:17 to 8:18 Hard shelly bottom rough coral found 13¾-13¾
8:18 to 8:20 Hard shelly bottom 13¾
8:20 to 8:27 barren hard bottom 13¾-13¾
Heaved up at 8:27 and tried hand fishing lines without success

Total distance run 4½ mi N.N. of Buoy

Station No. 8214 Date: Aug 12 1914

Hour: 8:55 A.M. to 9:10 A.M.

Position: Lat. 1½ mi NNW of ~~Long~~ Can Buoy

Locality: Fishing Banks off Beaufort N.C.

Depth: 13½-13½-13½ Bottom: Sample:

Wind: Direction, SW Force, 4

Sea: Gentle swell Sky: Partly clear

TEMPERATURES

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

Course So East
1¼ miles from Buoy when hauled up

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
8' Beam Trawl with mud bag	13½	8:55	9:10	slow
2 surface nets from port boom	surface	8:55	9:10	"

11—5314

NOTES

At end of haul fishing lines put over & fine black fish caught in a few minutes fishing

Station No. 8215 Date: Aug 12 1914

Hour: 9:42 A.M. to 9:35 A.M.

Position: Lat. 1½ Miles N.W. ~~Long.~~ of Buoy

Locality: Fishing Banks off Beaufort N.C.

Depth: 13½-13¾-14 Bottom: Rough Sample:

Wind: Direction, S.W. Force, 3

Sea: Gentle Swell Sky: Partly clear

TEMPERATURES

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

Course SE

1½ miles N.W. of Buoy when headed up

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
8' Beam trawl with mud bag	13½	9:42	9:53	slow
2 surface nets from port boom	surface	9:42	9:53	

11—5314

NOTES

Course S.E. to Buoy

15 minutes line fishing at end of run 8 lines 27 fish

Station No. 8216 Date: Aug 12 1914

Hour: 10:20 A.M. to 11:00 A.M.

Position: Lat. Course S.W. from can buoy

Locality: Fishing banks off Beaufort N.C.

Depth: 14¾-14½-14¾ Bottom: smooth, hard & Sample:

Wind: Direction, S.W. Force, 3

Sea: Gentle swell Sky: Partly clear

TEMPERATURES

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

Course S.W.

2¼ Miles S.W. of can buoy at end of run

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
Toothed triangle	14¾	10:20	11:00	slow
2 surface nets from port boom	surface	10:22	10:58	

11—5314

NOTES

Course from Buoy S.W. 2 miles

From 10:20 to 10:22 Smooth sand 14¾
10:22 to 10:40 Rough, Hard bottom coral 14¾-14½
14½-14¾ (one mile S.W. of Buoy

From 10:40 to 10:45 Rough & hard bottom, coral 14¾-15
10:45 to 10:50 Hard bottom Scattered coral 15¼-15½
10:50 to 10:55 Hard & smooth spots 15¼
10:55 to 11:00 Sand bottom 15¼-15½

Heaved up at 11:00 am

Put over hand lines with no success

Station No. 8217 Date: Aug 12 1914

Hour: 11:10 A.M. to 11:21 A.M.

Position: Lat. Course N.E. ~~Long.~~ from buoy

Locality: Fishing banks off Beaufort N.C.

Depth: 15½-15½-15½ Bottom: Smooth Sample:

Wind: Direction, S.W. Force, 3

Sea: Gentle swell Sky: Partly clear

TEMPERATURES

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

At beginning of dredge can buoy 1 mile N.E.

Can buoy bears N x E ½ mile at end of dredge

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
8' Beam trawl	15½	11:10	11:21	slow
2 surface nets from port boom	surface	11:08	11:20	slow

11—5314

NOTES

Course N.E. 1 mile from buoy

Station No. 8218 Date: Aug 12 1914

Hour: 11:31 A.M. to 11:40 A.M.

Position: Lat. Course N.E. Long.

Locality: Diking Banks Off Beaufort N.C.

Depth: 14 3/4-14 1/2 Bottom: Smooth M Sample:

Wind: Direction, S.W. Force, 3

Sea: Gentle swell Sky: Partly clear

TEMPERATURES

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

1/2 mi South of can buoy at begining of dredge

Can buoy abeam at conclusion of haul

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
8' Beam trawl	14 3/4	11:31	11:40	slow
2 Surface nets from port boom	surface	11:31	11:40	slow

11—5314

NOTES

Course N.E. 1/2 mi from buoy

Station No. 8219 Date: Aug 12 1914

Hour: 1:18 P.M. to 2:02 P.M. 1 3/4 mi

Position: Lat. Course E.N.E. Long.

Locality: Fishing banks off Beaufort N.C.

Depth: 14 1/2-14 1/8-14 1/2 Bottom: Sample:

Wind: Direction, S.W. Force, 4

Sea: Gentle swell Sky: Partly clear

TEMPERATURES

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

Course E.N.E.

Can buoy abeam at conclusion of run

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
Toothed triangle	14 1/2	1:18	2:02	slow
2 surface nets	surface	1:18	2:02	slow

11—5314

NOTES

Course to buoy S.S.W. starting 1 3/4 miles from buoy

From 1:18 to 1:22 Smooth sand
1:22 to 1:25 Hard 14 1/2-14 1/2 (1 1/2 mi from Buoy)
1:25 to 1:31 Hard, spots coral 14 1/2-14 1/4
1:31 to 1:31 1/4 Sand in places 14 1/4
1:31 1/4 to 1:31 1/2 Hard bottom
1:31 1/2 to 1:35 Hard & ~~xxxx~~ rough
1:35 to 1:35 1/2 Rough & sandy spots 14 1/4
1:35 1/2 to 1:36 1/4 Coral
1:36 1/4 to 1:37 Sand 14 1/4
1:37 to 1:37 1/2 Scattering coral
1:37 1/2 to 1:46 Rough 14 1/2-14 1/2
1:46 to 1:49 Very rough
1:49 to 1:50 Hard 14 1/4
1:50 to 1:52 Rough in spots 14 1/4
1:52 to 1:55 1/2 Rough 14 1/4
1:55 1/2 to 1:57 Smooth in spots 14 1/4
1:57 to 2:02 Rough 14 1/4-14 1/2

This is the N.N.E - 3 way point

Station No. 8220 Date: Aug 12 1914

Hour: 2:10 P. M. to 2:20 P. M. 3/4 Mile

Position: Lat. 1/4 Mile NNE ~~Long.~~ of Can Buoy

Locality: Fishing Banks off Beaufort N.C.

Depth: 14½-14½-14' Bottom: Rough Sample:

Wind: Direction, S.W. Force, 4

Sea: Gentle swell Sky: Partly clear

TEMPERATURES

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

Course N.NE.

1 mile North Can Buoy at end of run

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
8' Beam trawl	14½	2:10	2:20	slow

11—5314

NOTES

Course NNE.

Station No. 8221 Date: Aug 12 1914

Hour: 2:40 P.M. to 3:41 P.M.

Position: Lat. Course SSE ~~Long.~~ from Buoy

Locality: Fishing Banks off Beaufort N C

Depth: 14 Bottom: Hard rc Sample:

Wind: Direction, SW Force, 1

Sea: Gentle sea Sky: Partly 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
	Course SSE					
	4 miles So.E. Can Buoy at end of run					

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	14 fm	2:40	3:41	slow
2 Surface Nets	surface	2:41	3:41	slow

11—5314

NOTES

Course SSE

From 2:40	to 2:42	Hard	14-14
2:42	to 2:45	Rough	14 1/2
2:45	to 2:45½	Smooth	14 1/2
2:45½	to 2:46	Rough in spots	
2:46	to 2:47	Very rough	14 1/2
2:47	to 2:50	Rough	14 1/2
2:50	to 2:51	Rough in spots	14 1/2
2:51	to 2:52	Smooth & hard bottom	14 1/2
2:52	to 2:59	Rough in spots	14 1/2-14 1/2
2:59	to 2:59½	Rough	
2:59½	to 3:10	Smooth coral bottom	14 1/2-14 1/2
3:10	to 3:20	Rough in spots	14 1/2-14 1/2-14 1/2
3:20	to 3:21	Very rough	14 1/2
3:21	to 3:25	Rough in spots	14 1/2-14 1/2
3:25	to 3:35	Hard & smooth	14 1/2 14 1/2
3:35	to 3:41	Rough	14 1/2-14 1/2

Put over hand lines at end of run and took 18 fish in 8 minutes

Distance covered on this leg was 4 miles

Station No. 8222 Date: Aug 18 1914

Hour: 12:53 P.M. to 1:12 P.M. 1 mile

Position: Lat. Course SE x S Long.

Locality: Off Brown's Inlet N.C.

Depth: 5 3/4 Bottom: Sample:

Wind: Direction, S.W. Force, 3

Sea: Very Gentle Swell 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
	Course S.E. x S					
	1 3/4 mi from Brown's Inlet at start					

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	5 3/4	12:53	1:12	slow
Tow net from port boom	surface	1:05	1:13	slow

11—5314

NOTES

Course SE x S

From 12:53 to 12:55 Smooth 5 3/4 - 6 1/4
12:55 to 12:55 1/2 Hard
12:55 1/2 to 12:57 Sand & hard spots 5 3/4
12:57 to 12:58 Sand 5 3/4
12:58 to 1:00 Hard 5 3/4 - 6
1:00 to 1:00 1/4 Rough
1:00 1/4 to 1:01 Sand 6
2 miles SE x S of Inlet

1:01 to 1:10 Very rough in spots with few scattered sand spots 6 3/4 - 6 3/4 - 6 3/4
1:10 to 1:12 Sand 7 - 7 1/4

2 3/4 Miles from Brown's Inlet SE x S at end of run

Station No. 8223 Date: Aug 18 1914

Hour: 1:34 P.M. to 1:51 P.M. 1½ mile

Position: Lat. Course NW x N Long. from Buoy

Locality: Off Brown's Inlet N.C.

Depth: 6½ Bottom: Hard M Sample:

Wind: Direction, S.E. Force, 3

Sea: Very Gentle Swell Sky: Clear & pleasant

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
Course NW x N						

Note Small boat anchored to be called Buoy

Abeam of Buoy at beginning of run
1½ miles from Buoy at end of run } course as above

Color of water: Transparency:

REMARKS:

Buoy was advanced 2½ miles S.E. ⅞ S. of the mouth of Brown's Inlet.

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
8' Beam trawl	6½	1:34	1:51	slow
Tow net	surface	1:35	1:51	"

NOTES

11—5314

Course NW x N from Buoy

Soundings 6½-6¾-6½-6-6-6-6

1½ Miles from Buoy at end of run

1 Black fish caught on hand line

Station No. 8224 Date: Aug 18 1914

Hour: 2:14 P.M. to 2:31 P.M. 1 mile

Position: Lat. Course due ~~Long.~~ South from Buoy

Locality: Off Brown's Inlet, N.C.

Depth: 7 Bottom: Sand & C Sample:

Wind: Direction, So East Force, 3

Sea: Very Gentle swell 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
Course South						
Abeam of Buoy at beginning of run						
Buoy bears N x E ~~x~~ 1 mile at end of run						

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	7	2:14	2:31	slow
Tow nets from port totom	surface	2:15	2:30	

NOTES

11—5314

Course South

From 2:14 to 2:15 Sand 7
2:15 to 2:16 Hard 7
2:16 to 2:17 Sand 6¾
2:17 to 2:20 Hard in spots 6¾-6¾
2:20 to 2:22 Sand 6¾-6¾
2:22 to 2:22¼ Hard spots
2:22¼ to 2:23 Sand 6¾
2:23 Hard bottom rough (in spots)

Buoy bears N x E 7/8 E ¾ mi at this rough spot

From 2:23 to 2:27 Hard bottom Rough in spots 6¾
2:27 to 2:31 Sand 6¾-7-7¼-7¼

Buoy bears N x E at end of run 1 mile
3:00-4:00 PM starting ¾ miles S x E of Buoy drifted 1½ miles N x W using fishing lines; catch 1:75 black fish

Station No. 8225 Date: Aug 18 1914

Hour: 4:10 P.M. to 4:40 PM.

Position: Lat. Course due ~~Long.~~ East of Buoy

Locality: Off Brown's Inlet N.C.

Depth: 7¼ Bottom: Hard OC Sample:

Wind: Direction, S.E Force, 3

Sea: Very Gentle swell Sky: Partly 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
	Course East					

Abeam of Buoy at beginning of run 1½ miles due East of Buoy at end of run

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	7¼	4:10	4:40	slow
Tow net from port boom		4:10	4:30	"

11—5314

NOTES

Course Due East from Buoy

From 4:10 to 4:12 Hard bottom 7¼
4:12 to 4:14 Sand 7¼
4:14 to 4:15 Hard spot 7
4:15 to 4:17 Sand 7¼-7¼
4:17 to 4:18 Hard 7¼
4:18 to 4:25 Sand 7¼-7¼

At 4:25 PM took bottom sample - hard (Good Fishing)
From 4:25 to 4:32 Hard 7¼
4:32 to 4:40 Sand 7½-7½

Station No. 8276 Date: Aug 18 1914

Hour: 4:48 P.M. to 5.02 P.M. 1 mile

Position: Lat. Course due ~~Long.~~ West to Buoy

Locality: Off Brown's Inlet, N.E.

Depth: 7¾ Bottom: Sample:

Wind: Direction, S.E. Force, 3

Sea: Very Gentle swell Sky: Partly 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
Course due West to Buoy						
1½ miles East of buoy						

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
8' Beam trawl and mud bag	7¾	4:48	5:02	slow

11—5314

NOTES

Course due West toward buoy

Soundings 7¾-8-8-8-7¾-7½-7¾-7½

Hauled in trawl at 4:54 on account of wind setting ship off course
Lowered trawl again at 4.55

Station No. 8227 Date: Aug 19 1914

Hour: 8:10 . M. to 8:31 . M. 1¼ Mile

Position: Lat. Long.

Locality: Off Brown's Inlet N. C.

Depth: 6¾ Bottom: Sample:

Wind: Direction, West Force, 2

Sea: Smooth Sky: Clear. (Sl. haziness)

TEMPERATURES

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

#8228

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
Course North from buoy						
Abeam of Buoy at begining of run						
1¼ Mile from Buoy at end of run						

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	6¾	8:10	8:31	slow
Tow net from port boom	surface	8:10	8:38	slow

11—5314 #8228 NOTES

Course from Buoy

8:55 to 8:58 Sand & gravel 6½
8:58 to 9:00 Gravel 6½
9:00 to 9:01 Rock patches 5¾
9:01 to 9:05 Sand-rock patches 5¾
9:05 to 9:07 Gravelly 5¾-5¾
9:07 to Course sand & gravel {sample taken
9:07 to 9:09 Sand & gravel 5¾
9:09 to 9:11 Gravelly 5¾ (Coral sand sample
9:11 Rough spot 5½
9:11 to 9:15 Course sand & pebbles 5½-5½ 5½
9:15 to Gravel with some rocks 5¼
9:15 to 9:18 " " " " 5¼-5
9:18 to 9:23 Rocky 5-5¼

Heaved up at 9:23 to try hand lines
No success Lowered dredge at 9:30
From 9:30 to 9:32 Rocky 5
9:32 to 9:36 Gravelly 5-4¾-4¾
9:36 to 9:37 Rocky
9:37 to 9:37½ Gravelly 4¾

Heaved up 9:38

The above is for station #8228

Station No. 8228 Date: Aug 19 1914

Hour: 8 55 . M. to 9 30 A. M. 1 3/4 Miles

Position: Lat. Long.

Locality: Off Bowns Inlet, N.C.

Depth: 6 1/2 Bottom: Sample:

Wind: Direction, West Force, 2

Sea: Smooth Sky: Partly clear

TEMPERATURES

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

#8227

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
Course West from Buoy						
Buoy abeam at begening of run						
1 3/4 miles from buoy at end of run						

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	6 1/2	8:55	9:38	slow
Tow net from port boom	surface	8:55	9:38	

11—5314

NOTES

Course West from Buoy

For Station #8227

From 8:10 to 8:10 1/2 Hard 6 3/4
8:10 1/2 to 8:12 1/2 Sand 6 3/4
8:12 1/2 to 8:14 Gravelly 6 3/4
8:14 to 8:16 Sand 6 3/4
8:16 to 8:20 Gravel 6 3/4
8:20 to 8:20 1/2 Rocky patch 6 3/4
8:20 1/2 to 8:25 Sand 6 1/2-6 1/4
8:25 to 8:25 1/2 Gravelly 6 1/4
8:25 1/2 to 8:31 Sand 6 1/4-6 1/4-6

Station No. 8229 Date: Aug 19 1914

Hour: 10:29 .M. to 10:36 .M. 1/2 Mile

Position: Lat. Long.

Locality: Off Brown's Inlet, N.C.

Depth: 6 3/4 Bottom: Sample:

Wind: Direction, West Force, 3

Sea: Smooth Sky: Partly 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
Course NE						
Buoy abeam at begening of run						
1/2 Mile from Buoy at end of run						

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	6 3/4	10:29	10:36	

11—5314

NOTES

Course NE from Buoy

From 10:29 to 10:31 Sand 6 3/4
10:31 to 10:33 Gravelly 6 3/4
10:33 to 10:36 Gravel & shells 6 3/4-6 3/4
10:36 Rocky

Heaved in at 10:36 to try hand fishing lines no success

Station No. 8230 Date: Aug 19 1914

Hour: 10:49 .M. to 10:53 .M. 3/8 Mile

Position: Lat. Long.

Locality: Off Brown's Inlet N.C.

Depth: 6½ Bottom: Sample:

Wind: Direction, West Force, 2

Sea: Smooth Sky: Partly 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
Course N.N. Buoy abeam at begining of run 3/8 mile from Buoy at end of run						

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	6½	10:49	10:53	slow

11—5314

NOTES

Course N.N. from buoy

From 10:49 to 10:50 Sand 6½
10:50 to 10:53 Gravel 6½-6½-6
10:53 Struck rough spot

Hauled in at 10:53 put over hand lines one small black fish taken (7 minutes)

Station No. 8231 Date: Aug 19 1914

Hour: 11:05 . M. to 11:35 AM. 1½ Miles

Position: Lat. Long.

Locality: Off Browns Inlet N.C.

Depth: 6¾ Bottom: Sample:

Wind: Direction, West Force,

Sea: Smooth Sky: Partly 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
	Course S.E.					

Buoy astern at beginning of run 1½ Miles from buoy at end of run

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Toothed triangle	6¾	11:05	11:25	slow

11—5314

NOTES

Course S.E.

From 11:05 to 11:07 Sand 6¾
11:07 to 11:10 Gravel 6¾-6¾
11:10 to 11:11 Coarse sand shells 6¾-7
11:11 to 11:12 Sand 7
11:12 to 11:15 Gravel & rough spot 7-6¾
11:15 Struck rough spot
Heaved in and tried hand line fishing (Good fishing)
Drag down at 11:25
11:25 to 11:30 Sand 6¾-6¾
11:30 to 11:35 Coarse gravel 6¾-7

Put over hand lines end of run several fish taken

Station No. 8232 Date: Aug 19 1914

Hour: 12.03 . M. to 12.19 . M.

Position: Lat. Long.

Locality: Off Browns Inlet N.C.

Depth: 6½ Bottom: Sample:

Wind: Direction, South Force,

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
	Course SW from buoy for 7/8 mile					

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Drag iron				

11—5314

NOTES

From 12:03 to 12:05 Coarse sand & shells 6½
12:05 to 12:07 Fine sand with lumps 6½
12:07 to 12:10 Hard stiff; rocky; sand 6½
12:10 to 12:16 " Rocky; rough spots which nearly hung up drag 6
12:16 to 12:19 Coarse sand

Drag ended at 7/8 of a mile from buoy

Station No. 8233 Date: Aug 19 1914

Hour: 3:25 P.M. to 5:10 .M. About 2½ Miles

Position: Lat. Long.

Locality: 3/4 Mile S.E. of New River Inlet

Depth: 5-4¾ Bottom: Sample:

Wind: Direction, South Force, 3

Sea: Smooth Sky: Clear

TEMPERATURES

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

At 4:55 proceeded on same course
From 4:55 to 5:00 Sand 7-7
5:10 to 5:10 Hard 7 (Drifting)
Stopped headway at 5:00 & tried hand line

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
Courses		E.S.E				
		S.E				
		East				
		South				

Color of water: Transparency:

REMARKS:

11—6314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Footed triangle	5	3:25	5:10	slow

Course E.S.E

NOTES

From 3:25 to 3:37 rocky 4¾-5 (Drifting from 3:37 3:45
3:45 to 3:50 rough 4¾

Bottom sample taken 3:50 showed hard rock and coral
3:50 to 3:51 Hard 4¾
3:51 to 3:51¼ Sand & shells
3:51¼ to 3:52 Rocky & sandy patches 4¾

Course changed to East at 3:52 PM
3:52 to 3:56 Rocky & sandy patches 4¾-4¾
3:56 to 4:00 Sand 4¾
4:04 to 4:05 Fine gravel 4¾-5¼
4:05 to 4:16 Sandy btm; few rough rocky spots 5¼

Headway of ship stopped at 4:06 and hand lines tried while drifting No success.

4:06 to 4:15 Hard bottom (Drifting)
4:15 to 4:20 Fine gravel and rocky 5¼-5¼
4:20 to 4:21 Rocky 5¼
At 4:21 Drag hung up on ledge & heaved up at 4:25 P.M. used hand lines One black fish taken; Drag down at 4:34 Dropped boat & anchored came
4:34 to 4:35 Rough 5
4:35 to 4:37 Gravel & sand 5-5¼
At 4:37 struck ledge & hung up drag heaved up & used hand lines No success

Ran out Due South to deeper water
Drag down at 4:49

From 4:49 to 4:55 Sand 7 (Drifting and fishing with hand lines No success

Station No. 8234 Date: Aug 20 1914

Hour: 8:06 . M. to 8:40 . M.

Position: Lat. Course due ~~Long.~~ South of buoy

Locality: 1¾ Mile SE of New River Inlet

Depth: 4¾-5-5¾-6¾-7 Bottom: Sample:

Wind: Direction, S.W. Force, 1

Sea: Smooth Sky: Pretty 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:

Buoy is 1¾ Miles S.E. of New River Inlet course due South from buoy

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Triangle dredge	4¾	8:07		
Tow net	surface	8:20	8:40	

NOTES

8:00 a.m. fished with hand lines at buoy and caught 1 blackfish

8:00 to 8:07 course ~~South~~ from buoy bottom rocky 4¾

at 8:07 drag hung up on rocky ledge this is the ledge that hung us up before

8:14 to 8:17 (Lowered drag	Rocky	5
8:17 " 8:18	Smooth	4¾
8:18 " 8:22	Sandy	5¾
8:22 " 8:34	Sandy	6¾-7
8:34 " 8:40	Sandy	7

Run ended 1¼ mi due South from buoy Drag covered with sea weed

8:42 Fished with hand lines No success

Station No. 8235 Date: Aug 20 1914

Hour: 9:10 . M. to 9:55 . M.
10:10 10:17 am

Position: Lat. Course due ~~long.~~ East of buoy

Locality: 1 3/4 Mile S.E. off New River

Depth: 4 1/2 - 4 3/8 - 5 Bottom: Sample:

Wind: Direction, S.W. Force, 2

Sea: Smooth Sky: Partly 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: Buoy 1 3/4 Miles S E off 11—5314

New River Inlet course due east from buoy

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Triangle dredge	4 1/2	9:10	9:55	
Low Nets		9:12	10:17	

11—5314

NOTES

Course due East

9:10 to 9:13 Rocky 4 1/2 - 4 3/4
9:13 " 9:14 Rocky 5
9:15 Hand line fishing No [illegible]
9:22 to 9:24 Sand, rocky spots 5 - 5 1/4
9:24 to 9:28 " " " 5 1/4
9:29 " 9:38 Hand line fishing caught 4 fish.
9:38 to 9:43 Rocky 5 1/2 - 5 3/4
9:43 " 9:44 Rocky in spots, Sandy 6
9:44 " 9:45 Hard 6 1/4
9:45 " 9:47 Rocky 6 1/2 - 6 1/2
9:47 " 9:48 Sandy 6 1/2
9:48 " 9:55 Sandy 6 1/2

End of run 1 1/4 Miles due East of buoy

Hand line fishing 9:15 caught 20 blackfish

10:10 to 10:17 Hard sand 6 1/2 - 6 1/2 - 6 3/4

10:18 Dredge hung up on rocky ledge
10:22 " cleared away
10:25 Hand line fishing No fish

Station No. 8236 Date: Aug 20 1914

Hour: 11:22 A.M. to 12:32 A.M.

Position: Lat. S.E. from Buoy Long.

Locality: 1 3/4 Miles S.E. off New River Inlet

Depth: Bottom: Sample:

Wind: Direction, S.W. Force, 3

Sea: Gentle swell Sky: partly 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:

Buoy 1 3/4 Miles S.E. off New River Inlet

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Triangle dredge	4 3/4	11:22	11:28	slow
		11:35	11:37	

11—5314

NOTES

Course S.E. from buoy

11:22 to 11:28 Rocky 4 3/4

11:35 to 11:40 Hard 5-5-5 1/4
11:40 " 11:41 Rough 5 1/2
11:41 " 11:43 Rough Rocky 5 3/4
11:43 " 11:45 Rocky spots 6-6
11:45 " 11:48 Rocky 6
11:48 " 11:50 Sand 6 1/4 - 6 1/2
11:50 " 11:52 Sand 6 3/4 - 6 3/4
11:52 " 11:54 Crs. sand & gravel 6 3/4
11:54 " 11:58 Fine sand, rocky spots 6 3/4
11:58 " 11:59 Rocky 7
11:59 " 12:04 Sand, rocky lumps 6 3/4 - 6 3/4
12:04 " 12:32 Sand 7-7-6 3/4

End of run 3 1/2 Miles from buoy

11:25 Dredge caught on rocky ledge
11:28 Cleared off ledge

Station No. 8237 Date: Aug 20 1914

Hour: 1:03 . M. to 1:45 . M.

Position: Lat. Long.

Locality: Off Bear Inlet

Depth: 6¾-6½-6¾-7 Bottom: Sand Sample:

Wind: Direction, S.W. Force, 2

Sea: Ground swell Sky: partly 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
Triangle Drag	7	1:03	1:45	slow

11—5314

NOTES

Course N E
Started 3 miles S.W. of Bear Inlet

From 1:03 to 1:05		Sand	7-7¼
1:05 to 1:07			7½-7½-7¼
1:07 to 1:09		sand & shell	7¼-7¼
1:09 to 1:10		Sand	7¼
1:10 " 1:31		Sand	7¼-7
1:31 " 1:37		Sh & sand	6¾
1:37 " 1:42		Sand	6½
1:42 " 1:45		Sand	6½

End of run 2½ Miles

Fishing 1:47 to 1:55 pm

Ran out to 7¼ fathoms
Tried hand line fishing No success

Station No. 8228 Date: Aug 20 1914

Hour: 2 40 . M. to 3 03 . M.

Position: Lat. Long.

Locality: Off Bangue Inlet Buoy 1 Mi NE

Depth: 6½-7 Bottom: Sand Sample:

Wind: Direction, South Force, 3

Sea: Ground swell Sky: Partly 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
Triangle Drag	7½	2:40	2:54	slow
	6½	3:00		

11—5314

NOTES

Course NE to buoy

Put over dredge

From 2:40 to 2:52 Sand & Gravel 7½-7
2:52 to 2:53 Sand
2:53 " 2:54 Sand & gravel

Fishing 2:55 to 2:59 No fish

3:00 to 3:03 Sand 6½-6½

Station No. 8239 Date: Aug 20 1914

Hour: 3:05 . M. to 3:12 . M.

Position: Lat. Long.

Locality: Off Bouguer Inlet B.C.

Depth: 5 1/4-6-6 3/4-7 Bottom: Sand Sample:

Wind: Direction, South Force, 3

Sea: Ground swell Sky: Partly 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
T. Drag	5 1/4	3:05	3:12	slow

11—5314

NOTES

Course SE x S from buoy

From 3:05 to 3:06 Smooth 5 1/4-5 3/4
3:06 " 3:07 6-6 1/2
3:07 " 3:09 6-6 1/2
3:09 " 3:10 6 3/4
3:10 " 3:11 6 3/4-7
3:11 " 3:12 7

End of run 500 yds S.E. x S from buoy

Station No. 8240 Date: Sept 1 1914

Hour: 11:10 AM. to 11:50 AM.

Position: Lat. 34° 5' 37" N Long. 76° 15' W.

Locality: 23 Miles East off Lookout Light Ship

Depth: 62 fms Bottom: Sample:

Wind: Direction, East Force, 3

Sea: Moderate Sky: partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface	N.Z. #80479	84.8					Eaton
25 fms	" "	83.6					"
50 "	" "	81.8					"

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
8' Beam trawl	62 fms	11:35	11:50	slow
Dalyhen tow net	surface	11:35	11:50	"

11—5314

NOTES

Course S.S.E. ½ E.

Station No. 8241 Date: Sept 1 1914

Hour: 1:10 P.M. to 2:30 P.M.

Position: Lat. 34° 10' 0" N Long. 76° 09' 15" W

Locality: Gulf Stream

Depth: 194 fms Bottom: Sample:

Wind: Direction, East Force, 3

Sea: Moderate Sky: partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface	NZ 80479	84.5					Ekman
"	S.V. 541	16.3	29.7	correction	✓		"
10 fms	NZ	85					"
	S.V	14.6	29.2	"	✓		"
50 "	NZ	79					"
	S.V	14.58	26	"	✓		"
100 "	NZ.	65					"
	S.V.	14.6			✓		"
150 "	NZ.	63.6					"
	S.V.	- - -					"
175 "	NZ	60.8					"

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
8' Beam trawl	194 fms	2:07	2:30	slow
Daylight tow net	surface	2:06	2:30	slow
1 Small tow net	"	2:06	2:30	slow

11—5314

NOTES

Course N 3/8 E end of run 1 mile.

Station No. 8242 Date: Sept 1 1914

Hour: 3:45 PM. to 4:52 PM.

Position: Lat. 34° 06' 30" N Long. 76° 09' 0" W.

Locality: Gulf stream

Depth: 90 fms Bottom: Sample:

Wind: Direction, East Force, 3

Sea: Gentle Sky: partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface	NI # 80479	85.3					Ekman
10 fm	" "	85					"
75 "	" "	68.4					"
50 "	" "	78					"
							"
							"
							"
							"

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
8' Beam trawl	90 fm	4:25	4:45	slow
Dalghren tow net and 2 tow nets	Surface	4:25	4:52	slow

11—5314

NOTES

Course East

Drift N.E.

Station No. 8243 Date: Sept 1 1914

Hour: 6:30 P.M. to 7:10 P.M.

Position: ~~Lat.~~ Long 76° 01' 23" W. ~~Long.~~ Lat. 34° 12' 35" N

Locality: Gulf Stream

Depth: 168 fms Bottom: Sample:

Wind: Direction, S.E. Force, 3

Sea: Moderate Sky: partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface L	NZ #80479	84.8					Ekman
R	NZ #98267	85.1	✓				"
10 fm L		84.1					"
R		85	✓				"
50 fm L		78.4					"
R		79	✓				"
100 fm L		66.6					"
R		67	✓				"
150 " L		61.8					"
R		62.2	✓				
L							
R							

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

Course S.W.

At 7.20 P.M. used 4 ft tow net in 25 fms and 3 surface nets used also Dalghren #5 net used

Station No. 8244 Date: Sept 2 1914

Hour: 1:25 P.M. to 2:35 P.M.

Position: Lat. 34° 21' 00" N Long. 75° 51' 40" W

Locality: Gulf stream

Depth: 66 fms Bottom: Sample:

Wind: Direction, S.W. Force, 3

Sea: Moderate Sky: partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface L	NZ # 80479	85					Ekman
R	NZ 98267	85.4	✓				"
10 fms L		85.					"
R		85.4	✓				"
50 fms L		69.9					"
R		70.2	✓				"
L							"
R							"
L							"
R							"
L							"
R							"
							"
							"

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
8' Beam trawl	66 fms	2:05	2:30	slow
3 Tow nets	Surface	1:45	2:35	slow

11—5314

NOTES

Course S.E. ½ S

Station No. 8245 Date: Sept 2 1914

Hour: 3:00 PM. to 4:00 PM.

Position: Lat. 34° 24' 00" N Long. 75° 48' 20" W.

Locality: Gulf Stream

Depth: 100 fms Bottom: Sample:

Wind: Direction, S.W. Force, 3

Sea: Moderate Sky: partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface L	NZ #80479	84.3					Ekman
R	NZ #98267	84.8	✓				
10 fms L		83.9					
R		84.3	✓				
50 fms L		72.6					
R		73	✓				
75 fms L		66.7					
R		67	✓				
100 fms L		63.5					
R		63.9	✓				

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
8' Beam trawl	100 fms	3:30	3:55	slow
3 Tow nets	surface	3:30	4:00	slow

11—5314

NOTES

Course due South

Depth at end of run 111 fathoms

Station No. 8246 Date: Sept 2 1914

Hour: 5:55 P.M. to 7:00 P.M.

Position: Lat. 34° 17' 46" N Long. 75° 53' 10" W

Locality: Gulf Stream

Depth: 158 fms Bottom: Sample:

Wind: Direction, SW Force, 3

Sea: Moderate Sky: partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface L	NZ #80479	84					Ekman
R	" 98267	84.5	✓				"
50 fms L		72.5					"
R		73	✓				"
75 fms L		67.5					"
R		68	✓				"
100 fms L		64.6					"
R		65	✓				"
150 fms L		61					"
R		61.5	✓				"
L							
R							

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
8' Beam Trawl	158 fms	6:30	6:50	slow
3 Tow Nets	Surface	6:25	7:00	slow

11—5314

NOTES

Course S.W.

Depth at end of run 121 fms

Station No. 8247 Date: Sept 3 1914

Hour: 9:35 A.M. to 10:30 A.M.

Position: Lat. 34° 11' 05" N Long. 75° 58' 00" W

Locality: Gulf Stream

Depth: 98 fms Bottom: Sample:

Wind: Direction, S.W. Force, 3

Sea: Moderate Sky: partly clear

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surface L	NZ # 80479	83.6					Ekman
R	NZ # 98267	not working	✓				"
10 fms L		83					"
R		83.6	✓				"
50 fms L		71					"
R		71.4	✓				"
75 fms L		66.2					"
R		66.6	✓				"
98 fms L		62.2					"
R		62.7	✓				"

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
8' Beam trawl	98 fms	9:50	10:20	slow
3 Tow Nets	surface	9:50	10:30	slow

11—5314

NOTES

Course E.S.E.

Depth at end of run 129 fms