I

7928 to 7977

Fish Hawk

Dredging Stations 7928-7977

yr. 1913

Duf.

FISH HAWK.
7928
To
7977

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2928

Date, Aug 25-26, 1913

Time of day, 9:10 A.M. ; of tide, Ebb

Locality, Beaufort Harbor

Exact position, 100 yds N.N.W. of black buoy in channel

Depth, 30 ft

Nature of bottom, hard sand mud

Dredging instrument used, Beaufort Bay

Direction of drift, S.E. ; distance, none

Temperature of air, 85 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.91

State of sky, Partly cloudy

Direction of wind N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34° 37' 30" N.
Long. 76° 41' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7929

Date, Aug 25th 1913

Time of day, 9:45 A.M.; of tide, Eff

Locality, Beaufort Harbor

Exact position, 600 yds N.N.W. of Black buoy in channel

Depth, 24 ft

Nature of bottom, Hard sand

Dredging instrument used, Beam trawl, mud bag

Direction of drift, S.W. ; distance, none

Temperature of air, do Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.92

State of sky, Cloudy

Direction of wind NE ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°37' 30" N.
Long 76°41' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7920

Date, 8-25-13

Time of day, 10:55 a.m. ; of tide, Ebb

Locality, Beaufort Harbor

Exact position,

In Channel

Depth, 24 ft

Nature of bottom, Sand.

Dredging instrument used, Mud Bag

Direction of drift, S. W. ; distance, Mont

Temperature of air, 84 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.94

State of sky, Cloudy

Direction of wind N E ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°37'30" N.
Long 76°41' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7931

Date, 8/25/13

Time of day, 1:30 P.M. ; of tide, Ebb

Locality, Outside Beaufort

Exact position, S E x E from Bell Buoy

N 1/2 W E from Morehead Stack

Depth, 30 ft.

Nature of bottom, hard Sand

Dredging instrument used, Beam trawl, Mud Bag

Direction of drift, S. Dr. ; distance, 1-2 yds

Temperature of air, 78 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.95

State of sky, Partly cloudy

Direction of wind N.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34° 40' N.
Long. 76° 42' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7932

Date, Aug 25/13

Time of day, 1:40 P.M. ; of tide,

Locality, Outside Beaufort.

Exact position, Course N by W 1/2 W. Morehead Stack N 1/2 E. Buoy SE

Depth, 36 ft.

Nature of bottom, Hard sand.

Dredging instrument used, Beam trawl, Sand bag

Direction of drift, S. W. ; distance, 40 yds

Temperature of air, 81 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.95

State of sky, Partly cloudy

Direction of wind N. E ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Long. 76°44'W.
Lat 34°41'30" N.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2933

Date, Aug 25/13

Time of day, 2 P.M. ; of tide,

Locality, Outside Beaufort N.C.

Exact position, Course N 1/2 W.
Lookout E.S.E 1/4 E, M.H. S.W. 3/4 E

Depth, 24 ft.

Nature of bottom, Hard sand.

Dredging instrument used, Beamtrawl, mud bag

Direction of drift, S. W. ; distance, 100 yds

Temperature of air, 81 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.95

State of sky, Partly cloudy

Direction of wind N.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°40'30" N.
Long 76°43'30" W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7934

Date, 8/ 25-/13

Time of day, 7:40 A.M.; of tide,

Locality, Outside Beaufort N.C.

Exact position, Course SE½E

Lookout C SE¼E, M. H. Sta NE½N.

Depth, 38

Nature of bottom, Hard Sand

Dredging instrument used, Beam trawl, Sand Bag

Direction of drift, S.W. ; distance, 1020 yds

Temperature of air, 71 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.95

State of sky, Partly cloudy

Direction of wind NE ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 31' N.

Long 76° 46' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7935

Date, Aug 26, 1913

Time of day, 10:10 a.m.; of tide,

Locality, N.E. Lookout Light

Exact position, Creek ft. SE 1/4 S.

L.O. Light E 3/4 S.

Depth, 30 ft

Nature of bottom, Sand

Dredging instrument used, Beam trawl, mud bag

Direction of drift, S.W.; distance, none

Temperature of air, 82 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Inside Lookout Lit.

Lat 34° 37' 32" N

Long 76° 31' 39" W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7936

Date, Aug 26, 1913

Time of day, 10:50 ; of tide,

Locality, Inside Gorham Cut

Exact position, Creek S.E. & W. 1/8 W.

L.A.E. B/4 S.

Depth, 9 x feet

Nature of bottom, Sand

Dredging instrument used, Beamtrawl, Mud Bag

Direction of drift, S.W. ; distance, None

Temperature of air, 84 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Cloudy

Direction of wind S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°37' 22" N.
Long. 76° 31' 29" W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2937

Date, 8/26/13

Time of day, 11 a.m. ; of tide,

Locality, Inside Cohoutatit Creek

Exact position, Creek ½ S. & ¼ S. of Sec. 3/4 C.

Depth, 18 ft.

Nature of bottom, Sand

Dredging instrument used, Mud Bag, tanner trawl

Direction of drift, S. E. ; distance, None

Temperature of air, 84 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Cloudy

Direction of wind S.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°39'52" N.

Long. 76°31'29" W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2938

Date, 8/26/13

Time of day, 1:10 P.M.; of tide,

Locality, Lookout bight

Exact position, Course N. Dr.

Dredge ft. S. Dr. 1/8 S, L. C.S. E3/4E

Depth, 18 ft

Nature of bottom, Sand

Dredging instrument used, Tanner trawl, oyster dredge

Direction of drift, S. Dr. ; distance, 1/2 yd.

Temperature of air, 80 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Cloudy

Direction of wind SE ; force, 2

Rain, light

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,



Lat 34° 37' 22" N.

Long 76° 31' 29" W

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7939

Date, 8/26/13

Time of day, 1:30 P.M. ; of tide,

Locality, Cruise N. Dr.

Exact position, Lookout Light

Mech ft S. Dr. 5/8 S, L. E 3/4 E

Depth, 24 ft.

Nature of bottom, Sand

Dredging instrument used, Beam trawl

Direction of drift, S. Dr. ; distance, None

Temperature of air, 80 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Cloudy

Direction of wind SE ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34° 34° 22" N

Long 26° 31' 29" W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7940

Date, 8/26/13

Time of day, 7.00 A.M.; of tide,

Locality, Off Lookout.

Exact position, Gastburg Dr. x 3/4 N. Lookout Ex. S. 3/4 S.

Depth, 30 ft.

Nature of bottom, Sand.

Dredging instrument used, Oyster dredge, Beam trawl

Direction of drift, None ; distance, None

Temperature of air, 82 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Cloudy

Direction of wind SE ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 39' N.
Long 76° 37' W.

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7941

Date, 8/28/13

Time of day, ; of tide,

Locality, Off fishing grounds

Exact position, 20 1/2 Miles S.S.W 1/4 W. of Beaufort Inlet

Depth, 14 fathoms

Nature of bottom, Sh.

Dredging instrument used, Mud Bag

Direction of drift, None ; distance, None

Temperature of air, 85° Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.15

State of sky, Clear & pleasant.

Direction of wind S.S.W. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Long 76°59' W.
Lat 34°19' N.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7942

Date, Sept 6 - 1913

Time of day, 1:35 P.M. ; of tide, Ford.

Locality, 21 miles off Beaufort

Exact position, S. W. 1/2 W. Crown Bury Bearings [illegible] Turns [illegible]

Depth, 14 fathoms

Nature of bottom, Co., grs. S., Sh. Mud

Dredging instrument used, Beam trawl, Dag.

Direction of drift, None ; distance, None

Temperature of air, 83 Fahr. therm. No.,

" of surface water, 80 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.13.

State of sky, Clear & Pleasant.

Direction of wind SE. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°19' N.

Long 76°59' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 3943

Date, Sept 6/13

Time of day, 7.00 A.M.; of tide, Flood.

Locality, Fishing grounds.

Exact position, Bury Pears N.N.W. 1 Miles, Course East.

Depth, 13½ fathoms

Nature of bottom, Co. S. Sh. Mud

Dredging instrument used, Beautrawl Bag

Direction of drift, None ; distance, None

Temperature of air, 43 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.13

State of sky, Clear & pleasant.

Direction of wind S.E. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°19 N

Long. 76°5 P W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2944

Date, Sept 6 - 1913

Time of day, 2.47 PM; of tide, Flood.

Locality, Fishing Ground

Exact position, Bury Bears S.S. Dr.

1 mile Course North.

Depth, 13 3/4 fathoms

Nature of bottom, Co., S., Sh.

Dredging instrument used, Beautrard Mud Bag

Direction of drift, None ; distance, None

Temperature of air, 83 Fahr. therm. No.,

" of surface water, 80 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.13

State of sky, Clear & Pleasant.

Direction of wind SE. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 24°21' 30" N.

Long. 76°18' 7" W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2945

Date, Sept 6 d / 13

Time of day, 3 50 P.M.; of tide, Flood

Locality, Fishing Ground

Exact position, Bury Stars ESE.

1 mile, Coyne W x N.

Depth, 14 fathoms

Nature of bottom, Co

Dredging instrument used, Beamtrawl, Mud Bag

Direction of drift, None ; distance, None

Temperature of air, 84 Fahr. therm. No.,

" of surface water, 80 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.12

State of sky, Clear & Pleasant.

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 21' 30" N.

Long 76° 56' W

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 29+6

Date, 9/6/13

Time of day, 4.36 P.M.; of tide, Flood

Locality, Fishing grounds

Exact position, Bying Head West 2 mi.

Course East

Depth, 13½ fathoms

Nature of bottom, hrd. why. S. mud

Dredging instrument used, Beam trawl

Direction of drift, none; distance, none

Temperature of air, AV Fahr. therm. No.,

" of surface water, do

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.17

State of sky,

Direction of wind SE; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34° 20' N.
Long 76° 17' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7947

Date, 9/6/13

Time of day, 4.55 P.M. ; of tide, Flood.

Locality, Fishing Grounds

Exact position, Bury Bear. West 1/2 mile, Centre West.

Depth, 13 1/2 fathoms

Nature of bottom, Crs. S. brk. Sh. mud

Dredging instrument used, Beamtrawl, Bag.

Direction of drift, None ; distance, None

Temperature of air, 82 Fahr. therm. No.,

" of surface water, 80 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.12

State of sky, Clear & pleasant.

Direction of wind SE. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34° 20' N.
Long 76° 53'

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 9948

Date, 9/7/13

Time of day, 8.37 AM; of tide,

Locality, Fishing Grounds.

Exact position, Burgh Lars CNE

Distance 7 miles, Course S.S.E.

Depth, 7 fathoms

Nature of bottom, Crs. S., Br. & Sh. & mud Bag

Dredging instrument used, Beam trawl, trawl net

Direction of drift, None ; distance, None

Temperature of air, 84 Fahr. therm. No.,

" of surface water, " 59

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.21

State of sky, Clear & Pleasant.

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°19' N.

Long 76°59' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7949

Date, 9/7/13

Time of day, 9.39 A.M. ; of tide,

Locality, Fishing Grounds

Exact position, Sandy Hears, ENE 3 Miles, Cruise R.S.

Depth, 14 3/4 fathoms

Nature of bottom, Crs. S., Brk. Sh. M. and Sag

Dredging instrument used, Beautiard, towed

Direction of drift, None ; distance, None

Temperature of air, P3 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.21

State of sky, Clear & Pleasant

Direction of wind SE. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°18' N.
Long 76°55' W

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7950

Date, 9/7/13

Time of day, 9.35 A.M. ; of tide,

Locality, Fishing Grounds

Exact position, Bury Head N.E. 4 miles

Course SE x E 1/4 E

Depth, 15 1/2 fathoms

Nature of bottom, Crs. S. Sh. sh. W. Mid Bay

Dredging instrument used, Beautrain Fr. Nets

Direction of drift, None ; distance, None

Temperature of air, 83 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.72

State of sky, Clear & Pleasant.

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°17' N.

Long 76°57'30" W.

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7957

Date, 9/7/13

Time of day, 10.49 m ; of tide,

Locality, fishing grounds

Exact position, Bury Bears W & E & Mulas Course O & F

Depth, 16 fathoms

Nature of bottom, Sh.

Dredging instrument used, Beam trawl

Direction of drift, none ; distance, none

Temperature of air, 84 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.27

State of sky, clear & pleasant

Direction of wind SE. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°17' N.

Long 76°54' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2952

Date, 9/7/13

Time of day, 10.47 a.m.; of tide,

Locality, Fishing Grounds

Exact position, Buoy Head NE, NW

Course SE 1/4 E

Depth, 15 1/2 fathoms

Nature of bottom, Co, Sh, S.

Dredging instrument used, Beam trawl

Direction of drift, None; distance, None

Temperature of air, 84 Fahr. therm. No.,

" of surface water, 80 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.22

State of sky, Clear & Pleasant.

Direction of wind SE; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat

Lat 34°16'30" North

Long 76°26'30 W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 9953

Date, Sept 7/13

Time of day, 10.45 ; of tide,

Locality, Fishing Ground

Exact position, Bypy Pear N.N.E.

3½ miles Course East

Depth, 16 fathoms

Nature of bottom, Sh.

Dredging instrument used, Mud Bag

Direction of drift, None ; distance, None

Temperature of air, 84 Fahr. therm. No., 82

" of surface water, 83

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.22

State of sky, Clear & pleasant

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°17'N.
Long 76°55'W.

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7952

Date, Sept 7/13

Time of day, 11.10 ; of tide,

Locality, Fishing Grounds

Exact position, Long Bearing N.N.E. 2 miles course N x E

Depth, 14½ fathoms

Nature of bottom, Co., Sh., cr. S.

Dredging instrument used, Mud Bag

Direction of drift, None ; distance, None

Temperature of air, 84 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, 80 "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 3

Barometer reading, 30.22

State of sky,

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34° 18' N.
Long 76° 47' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7955

Date, 9/7/13

Time of day, 11 to 5 P.M. of tide,

Locality, Fishing grounds

Exact position, Bering Bear N. 1 mile

Cove mouth

Depth, 13 3/4 fathoms

Nature of bottom, Coral

Dredging instrument used, Beam trawl

Direction of drift, none ; distance, none

Temperature of air, 84 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.22

State of sky, Clear + pleasant

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°19' N.
Long 76°55' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7956

Date, 8/7/13

Time of day, 1 P. M. ; of tide,

Locality, Fishing Grounds.

Exact position, Bury Beam S. S. Dr. 1/2 mile, Coquina Rock.

Depth, 15 fathoms

Nature of bottom, fuel. S. Sh. Co., Wind bag + tin nets

Dredging instrument used, Beam trawl

Direction of drift, None ; distance, None

Temperature of air, 86 Fahr. therm. No.,

" of surface water, 82 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.21

State of sky, Clear & Pleasant.

Direction of wind S.E. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°21' N.
Long. 76°52' W.

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 1957

Date, 9/7/13

Time of day, 1 58 P.M. ; of tide,

Locality, Fishing Grounds

Exact position, Bury Bear S.S. N.

1½ miles Connecticut.

Depth, 15½ fathoms

Nature of bottom, Co.

Dredging instrument used, Beam trawl, Mud bag.

Direction of drift, None ; distance, None

Temperature of air, 86 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.21

State of sky, Clear & Pleasant

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 39°22' N.
Long 76°52' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7958

Date, 9/7/13

Time of day, 2 3/4 P.M.; of tide,

Locality, Fishing Grounds

Exact position, Bury Bear S.S. & Course N.

Depth, 12 1/2 fathoms

Nature of bottom, Co., Sh.

Dredging instrument used, 2 dredges

Direction of drift, SE ; distance,

Temperature of air, 79 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.20

State of sky, Clear + Pleasant

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°22'30" N.

Long 76°58 W.

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 29 & 9

Date, 9/7/13

Time of day, 3.46 P.M. of tide,

Locality, Fishing Grounds

Exact position, Bury Head x R. 7 miles, Course north.

Depth, 13 fathoms

Nature of bottom, Co., W., crs. S., sh.

Dredging instrument used, Beam trawl Mud Bag

Direction of drift, None ; distance, None

Temperature of air, 82 Fahr. therm. No.,

" of surface water, 71 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.19.

State of sky, Clear & pleasant

Direction of wind S.E. ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 22' 45" N.

Long. 76° 58' 30" W

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7960

Date, 9/7/43

Time of day, 4.16 P.M., of tide,

Locality, Fishing Ground

Exact position, Berry Islands S.P.B.

Course East

Depth, 14½ fathoms

Nature of bottom, S., Sh.

Dredging instrument used, Beautiful & Mud Bag.

Direction of drift, ; distance,

Temperature of air, 85 Fahr. therm. No.,

" of surface water, 81 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.1 P.

State of sky, Clear & Pleasant.

Direction of wind SE ; force, 1

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°23' N.

Long 76°58' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7961

Date, 9/8/13

Time of day, 7 54 a.m.; of tide,

Locality, Fishing Grounds

Exact position, 3½ miles N.E. of Buoy

Depth, 14½ fathoms

Nature of bottom, shell

Dredging instrument used, Beautard, trawl, mud bag

Direction of drift, S.E.; distance, none

Temperature of air, 79 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.09

State of sky, Clear & Pleasant.

Direction of wind N. W.; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 36° 58' N.
Long. 240° 18' W.

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2962

Date, Sept 2-1913

Time of day, 2:47 p.m. of tide,

Locality, Beaufort

Exact position, 3 miles S.S.E. of sta. 2965

Depth, 14 fathoms

Nature of bottom, Co.

Dredging instrument used, Beam Trawl Mud Bag

Direction of drift, SE. ; distance, none

Temperature of air, 79 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.05

State of sky, Clear + Pleasant.

Direction of wind N.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Long 77°1' 30" W

Lat 34°17' N

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 3963

Date, Sept 8/13

Time of day, 10.40 ; of tide,

Locality, Beaufort

Exact position, 3½ miles east of station 3962

Depth, 14 3/4 fathoms

Nature of bottom, fine gy. S.

Dredging instrument used, Jaw nets

Direction of drift, S.E. ; distance, 1/4 mile

Temperature of air, 80 Fahr. therm. No.,

" of surface water, 79 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.07

State of sky, Clear & Pleasant

Direction of wind N. E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°17' N

Long 77°15' W

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7964

Date, 9/8/13

Time of day, 11 03 ; of tide,

Locality, Beaufort

Exact position, 1 mile S. of 7963

Depth, 15 1/2 fathoms

Nature of bottom, Grey

Dredging instrument used, Beam trawl Mud Bag

Direction of drift, S. ; distance, None

Temperature of air, 81 Fahr. therm. No.,

" of surface water, 80 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.07

State of sky, Clear & Pleasant

Direction of wind N. W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°15' N.

Long 77°05' W

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2965

Date, Sept 8/13

Time of day, 11 A.M. ; of tide,

Locality, off Beaufort

Exact position, 1 mile S. of 2959

Depth, 14½ fathoms

Nature of bottom, Shell

Dredging instrument used, Beautrand mud bag

Direction of drift, S.E. ; distance, none

Temperature of air, 83 Fahr. therm. No.,

" of surface water, 80 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.06

State of sky, Clear Pleasant

Direction of wind N.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,



Lat. 34°14' N.

Long 77°06' W

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 2966

Date, Sept 8/13

Time of day, 3.33 P.M. of tide,

Locality, Fishing Ground

Exact position, Buoy Bear M E 1/4 E.
Lookout E 1/4 N.

Depth, 9 1/2 fathoms

Nature of bottom, Sand

Dredging instrument used, B. T. M. B.

Direction of drift, ; distance,

Temperature of air, 86 Fahr. therm. No.,

" of surface water, 82 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 30.09

State of sky, Clear & Pleasant

Direction of wind S. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat 34°36 N.
Long 76°45' 15 W

#1 Line

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7967

Date, Sept. 19 - 1913

Time of day, 3 36 PM ; of tide,

Locality, L. O. to Cape Fear

Exact position, Course West

Depth, 13½ Fathom

Nature of bottom, Sand & Shell

Dredging instrument used, Mud Bag

Direction of drift, ; distance,

Temperature of air, 78 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.83

State of sky, Cloudy

Direction of wind S. W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 21'

Long. 76° 52'

#2

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7968

Date, Sept. 19-1913

Time of day, 3 55 PM ; of tide,

Locality, L. O. to Cape Fear

Exact position, Course West.

Depth, 13 3/4 Fathoms

Nature of bottom, Sand & Shells

Dredging instrument used, Mud Bag.

Direction of drift, ; distance,

Temperature of air, 78 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29 82

State of sky, Cloudy

Direction of wind S. W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 21'

Long. 76° 54'

# 3

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7969

Date, Sept. 19-1913

Time of day, 4^20 P.M.; of tide,

Locality, L.O. to Cape Fear

Exact position, Course West

Depth, 13½ Fathoms

Nature of bottom, Shells

Dredging instrument used, Mud Bag

Direction of drift, S.W. ; distance, none

Temperature of air, 78 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 2982

State of sky, Cloudy

Direction of wind S.W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 21'

Long. 76° 57' 30"

# 4

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7970

Date, Sept. 19-1913

Time of day, 5 P.M. ; of tide,

Locality, L.O. to Cape Fear

Exact position, Course North

Depth, 13½ Fathoms

Nature of bottom, Sand & Shells

Dredging instrument used, Mud Bag

Direction of drift, ; distance,

Temperature of air, 79 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.82

State of sky, Partly cloudy

Direction of wind S. W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 22'

Long. 76° 58'

#5

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7971

Date, Sept. 19-1913

Time of day, 5 13 PM; of tide,

Locality, L.O. to Cape Fear

Exact position, Course North

Depth, 12 1/2 Fathom

Nature of bottom, Sand & Shells

Dredging instrument used, Beam Trawl

Direction of drift, N. E. ; distance, None

Temperature of air, 78 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 2982

State of sky, Partly Cloudy

Direction of wind S.W. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°22'30"

Long 76°58'30"

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7972

Date, Sept. 22-1913

Time of day, 1^05 P.M.; of tide,

Locality, Fishing Grounds

Exact position, N. × S. ½ from Buoy.

Depth, 14½ Fathoms

Nature of bottom, Coral

Dredging instrument used, Mud Bag

Direction of drift, S.E. ; distance, none

Temperature of air, 69 Fahr. therm. No.,

" of surface water, 96 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.91

State of sky, Clear and Pleasant

Direction of wind N.E. ; force, 2

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34°20'30"

Long 76°5' W.

2

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7973

Date, Sept. 22-1913

Time of day, 2 00 P.M.; of tide,

Locality, Beaufort to Cape Fear

Exact position, Course N. 4 miles from Sta. 7972.

Depth, 14 fathoms

Nature of bottom, Sand & shells

Dredging instrument used, Beam Trawl & Mud

Direction of drift, S E.; distance,

Temperature of air, 69 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 2991

State of sky, Clear & Pleasant

Direction of wind N. N. ; force, 2.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 20' N.

Long. 76° 58' W.

3

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7974

Date, Sept. 22-1913

Time of day, 3 30 P.M.; of tide,

Locality, Beaufort to Cape Fear

Exact position, Course S.W. 1/4 S. 7 miles from Sta 7973

Depth, 16 fathom

Nature of bottom, Gr. Sand Bk. sh.

Dredging instrument used, Beam Trawl & Mud B

Direction of drift, S.E. ; distance,

Temperature of air, 72 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 2991

State of sky, Clear & Pleasant

Direction of wind N.W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 15' N.

Long. 77° 04' W.

4

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7975

Date, Sept. 22-1913

Time of day, 5-55 P.M. ; of tide,

Locality, Beaufort to Cape Fear

Exact position, Course N 1/4 E 6 miles from Sta. 7974

Depth, 14 1/2 fathoms

Nature of bottom,

Dredging instrument used, Beam Trawl & Mud B.

Direction of drift, ; distance,

Temperature of air, 72 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 2993

State of sky, Clear & Pleasant

Direction of wind N. E. ; force, 2,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 14' N.

Long. 77° 14' E.

5

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7976

Date, Sept. 22-1913.

Time of day, 7 PM ; of tide,

Locality, Beaufort to Cape Fear

Exact position, Course South 5 miles from Sta. 7975

Depth, 14 3/4 fathom

Nature of bottom, Coral

Dredging instrument used, Beam Trawl & Mud Bag

Direction of drift, S.E. ; distance,

Temperature of air, 72 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 2994

State of sky, Clear & Pleasant

Direction of wind N. W. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 09' N.

Long 77° 14' - W.

6

643

# RECORD OF DREDGING

## TEMPERATURE AND DENSITY

Station No. 7977

Date, Sept. 22. 1913

Time of day, 8 30 P.M. ; of tide,

Locality, Beaufort to Cape Fear.

Exact position, Course South 5 miles from 7976

Depth, 17 fathom

Nature of bottom, Shell

Dredging instrument used, Beam Trawl & Mud Bag.

Direction of drift, S.E. ; distance,

Temperature of air, 73 Fahr. therm. No.,

" of surface water, 76 "

" at depth of fathoms, "

" at bottom, "

Density at surface, temp., Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer,

Barometer reading, 29.96

State of sky, Clear & Pleasant.

Direction of wind N.W. ; force, 2.

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

Lat. 34° 04' N.

Long. 77° 14' W.