7349 - 7395

Copy

From Dec. 17. to Dec. 22, 1902

Fish Hawk,

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7349

Date, Dec 17, 1902

Time of day, 12.05 ; of tide,

Locality, off Cape Sable Fla.

Exact position, Middle Cape signal abeam east 2 ½ miles

Depth, 11 ½ ft.

Nature of bottom, Smooth, Sand & shell

Dredging instrument used, Oyster dredge

Direction of drift, S. E. ; distance, ⅛ mile

Temperature of air, 75 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0213 temp., 23.8 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.04

State of sky, Clear

Direction of wind N. N. W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. E. West.

11—1068

NOTES RELATING TO STATION NO. 7349

Starfish, shells and one sponge.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7350

Date, Dec 17. 1902

Time of day, 12.38 ; of tide, Flood

Locality, off Cape Sable Fla

Exact position, Lat. 25°. 9'. 37"
Long. 81°. 15'. 15"

Depth, 2 ½ fathoms

Nature of bottom, rocky coral

Dredging instrument used, Oyster dredge

Direction of drift, S. E. ; distance, ½ mile

Temperature of air, 75. Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0214 temp., 23.5 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.04

State of sky, Clear

Direction of wind N. N. W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 J. E. West

NOTES RELATING TO STATION NO. 7350

Very good sponge ground
Quantity of logger head sponge
shells, grass. Star fish a
few small fish and
small crabs

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7351

Date, Dec. 17. 1902

Time of day, 1.15 ; of tide, Flood

Locality, Off Cape Sable Fla

Exact position, Lat. 25°. 9'. 45"

Long. 81°. 18'. 35

Depth, 3 1/4 fathoms

Nature of bottom, Rocky coral

Dredging instrument used, Oyster dredge

Direction of drift, S.S.E. ; distance, 1/8 mile

Temperature of air, 74 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0221 temp., 23 1/2 Celsius.

" at depth of fathoms, "

" at bottom, 1.0221. " 23. 1/2

Number of salinometer, 7450

Barometer reading, 30.01

State of sky, Clear

Direction of wind N.N.W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7351

Good sponge ground
Logger head sponges
Cup sponges Grass
ascidians small fish
small crabs shell
star fish.

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7352

Date, Dec 17. 1902

Time of day, 1.50 ; of tide, flood

Locality, Off. Cape Sable Fla

Exact position, Lat. 25°. 9'. 53"

Long. 81.°. 21'. 53"

Depth, 3 3/4 fathoms

Nature of bottom, Gray sand & shells

Dredging instrument used, Oyster dredge

Direction of drift, S. S. E. ; distance, 1/5 mile

Temperature of air, 74 . Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0230 temp., 23 Celsius.

" at depth of fathoms, "

" at bottom, 1.0230 " 23 1/2

Number of salinometer, 7450

Barometer reading, 30.01

State of sky, Clear

Direction of wind N. N. W ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7352

Several pieces of branch coral
shells
Acidium
Small crabs
Small fish
worms
beetle

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7353

Date, Dec. 17. 1902

Time of day, 2. 24 ; of tide, flood

Locality, off Cape Sable Fla

Exact position, ~~Lat~~ Lat. 25°. 10'. 00"

Long. 81°. 25'. 10"

Depth, 4 4 fathoms

Nature of bottom, Light gray sand broken shell

Dredging instrument used, oyster dredge

Direction of drift, S. ; distance, ½ mile

Temperature of air, 74 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1,0231 temp., 73 Celsius.

" at depth of fathoms, "

" at bottom, 1,0232 " 73 ½

Number of salinometer, 7450

Barometer reading, 29. 99

State of sky, partly Cloudy

Direction of wind N. W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 D. E. West

NOTES RELATING TO STATION NO. 7353

Acidium
Shells
Small crabs
Small fish
Several small ~~pieces~~ pieces
of coral
grass
Octopus

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7354

Date, Dec. 17, 1902

Time of day, 2.55 ; of tide, flood

Locality, off Cape Sable Fla

Exact position, Lat. 25°. 10'. 10"

Long. 81°. 28'. 30"

Depth, 4 3/4 fathoms

Nature of bottom, light gray sand & shell

Dredging instrument used, oyster dredge

Direction of drift, S. ; distance, 1/8 mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0239. temp., 23 Celsius.

" at depth of fathoms, "

" at bottom, 1.0239 " 23 1/2

Number of salinometer, 7450

Barometer reading, 29.99

State of sky, partly clear

Direction of wind N.W. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. Nesh

NOTES RELATING TO STATION NO. 7354

Acidium
Small crabs
Small fish
1 large sand dollar
1 large sea urchin
quanty of small shells
several pieces of branch
coral

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. ~~7359~~ 7355

Date, Dec 18. 1902

Time of day, 9.15 ; of tide, ebb

Locality, off Cape Sable Fla

Exact position, 2½ miles west by south of middle cape signal

Depth, 9½ feet

Nature of bottom, light gray sand and fine broken shell

Dredging instrument used, Oyster dredge

Direction of drift, S.E. ; distance, 1/16 mile

Temperature of air, 63 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0222 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.98

State of sky, Clear

Direction of wind North ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 O. E. West

NOTES RELATING TO STATION NO. 7355

Three species of star fish
Several worms
Two species of fish
1 Hermit crab.

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7356

Date, Dec. 18. 1902

Time of day, 9.50 ; of tide, ebb

Locality, off cape Sable Fla

Exact position, Lat. 25°. 06'. 30"

Long. 81°. 12'. 25"

Depth, 11½ feet

Nature of bottom, rocky

Dredging instrument used, oyster dredge

Direction of drift, S.W. ; distance, ¼ mile

Temperature of air, 65 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0229 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7456

Barometer reading, 29.98

State of sky, Clear

Direction of wind North ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West.

NOTES RELATING TO STATION NO. 7356

Small fish
Small crabs
Grass
Worms
Star fish
Several logger-head sponges
Vines
Octopus

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7357

Date, Dec 18. 1902

Time of day, 10. 25 ; of tide, ebb

Locality, Off Cape Sable Fla

Exact position, Lat. 25°. 06'. 37"
Long. 81°. 15'. 50"

Depth, 2 3/4 fathoms

Nature of bottom, light gray sand & broken shell

Dredging instrument used, Lipter dredge

Direction of drift, S. ; distance, 8 mile

Temperature of air, 65 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0232 temp. 23. Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.98

State of sky, Clear

Direction of wind North ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V E West.

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

NOTES RELATING TO STATION NO. 7357

1 Star fish
several small shells &
hermit crabs
a few worms

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7358

Date, Dec. 18, 1902

Time of day, 10.55 ; of tide, ebb

Locality, Off Cape Sable Fla.

Exact position, Lat. 25°. 06'. 45"

Long. 81°. 19'. 07"

Depth, 3 fathoms

Nature of bottom, Light gray sand & broken shell

Dredging instrument used,

Direction of drift, South ; distance, ¾ mile

Temperature of air, 67 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0228 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0226 " 22.5

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Clear

Direction of wind NNE ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 T. E. West

NOTES RELATING TO STATION NO. 7358

Small crabs
1 small fish
4 shrimp

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7359

Date, Dec 18. 1902

Time of day, 11.27 ; of tide, ebb

Locality, off Cape Sable Fla

Exact position, Lat. 25° 06' 52"

Long. 81° 22' 25"

Depth, 4½ fathoms

Nature of bottom, Light gray sand & broken shell

Dredging instrument used, Oyster dredge

Direction of drift, South ; distance, ⅛ mile

Temperature of air, 67 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0227 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0227 " 23

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Clear

Direction of wind N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. E. Meek

NOTES RELATING TO STATION NO. 7359

Small crabs
Several pieces of branch
coral
1 shrimp

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7360

Date, Dec. 18, 1902

Time of day, 12.00 N ; of tide, ¼ flood

Locality, Off Cape Sable Fla.

Exact position Lat. 25°. 07'. 05"

Long. 81°. 25'. 50"

Depth, 4½ fathoms

Nature of bottom, Gray sand & grass

Dredging instrument used, Oyster dredge

Direction of drift, S.S.E. ; distance, ⅛ mile

Temperature of air, 67 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0231 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0230 " 23

Number of salinometer, 7450

Barometer reading, 29.96

State of sky, Clear

Direction of wind N.-N.E ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7360

Many small crabs
a few small fish
1 large piece of coral
1 logger head sponge
several small mullosks
1 sand dollar

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7361

Date, Dec. 18, 1902

Time of day, 12.30 P.M.; of tide, 4 flood

Locality, off Cape Sable Fla

Exact position, Lat. 25°. 07'. 10"

Long. 81°. 29'. 00'

Depth, 5 fathoms

Nature of bottom, rocky coral

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance,

Temperature of air, 67. Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0242 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, 1.0236 " 23

Number of salinometer, 7450

Barometer reading, 29.93

State of sky, Clear

Direction of wind N.N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7361

Several glove & logger head
sponges. many species of
small crabs grass
several species of small fish
a few pieces of coral
sea urchins
squilla
1 sand dollar

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7362

Date, Dec 18. 1902

Time of day, 1.00 P.M. ; of tide, ½ flood

Locality, Off. Cape Sable Fla

Exact position, Lat. 25°. 04'. 10"

Long. 81°. 29'. 15"

Depth, 4¾ fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0236 temp., 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0238 " 22.5

Number of salinometer, 7450

Barometer reading, 29.93

State of sky, Clear

Direction of wind N.N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7362

2 bat fish
1 large sea urchin
1 sand dollar
1 small sea horse
several pieces of coral
grass
several file fish
several small crabs
worms

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 736 3

Date, Dec 18. 1902

Time of day, 1.30 P.M.; of tide, ½ flood

Locality, Off Cape Sable Fla

Exact position, Lat. 25. 04'. 00"

Long 81. 24. 55"

Depth, 3½ fathoms

Nature of bottom, rocky coral

Dredging instrument used, Oyster dredge

Direction of drift, W. ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0231 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, 1.0235 " 22.5

Number of salinometer, 7450

Barometer reading, 29.93

State of sky, Clear

Direction of wind N. N. E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. C. West

NOTES RELATING TO STATION NO. 7363

Coral
Small fish
Small crabs
Several sand dollars
1 large & several small star fish
1 basket star fish
Grass
a quanty of shell
2 logger head sponges

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7364

Date, Dec. 18, 1902

Time of day, 2. PM ; of tide, 3 flood

Locality, Off Cape Sable Fla

Exact position, Lat. 25°. 03'. 50"

Long. 81°. 20". 30"

Depth, 3 1/4 fathoms

Nature of bottom, Gray sand & shells

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, 1/4 mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0224 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0223 " 22.5

Number of salinometer, 7450

Barometer reading, 29.91

State of sky, Clear

Direction of wind N.N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7364

1 logger head sponge
1 cup sponge
1 large spider crab
several small crabs
grass
shells

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7365

Date, Dec, 18. 1902

Time of day, 2.32. P.M.; of tide, 3/4 flood

Locality, Off. Cape Sable Fla

Exact position, Lat. 25°. 03'. 37"

Long. 81°. 16'. 10"

Depth, 3 1/4 fathoms

Nature of bottom, Hard sand & shells

Dredging instrument used, Oyster dredge

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

Temperature of air, 70 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0226 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0226 " 22.5

Number of salinometer, 7450

Barometer reading, 29.91

State of sky, Clear

Direction of wind N.N.E ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7365

1 file fish
2 species of crab
4 shrimp
Grass

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7366

Date, Dec. 18. 1902

Time of day, 3.05 ; of tide, 3/4 flood

Locality, Off Cape Sable Fla

Exact position, Lat. 25°.03'.30"
Long. 81°.12'.10"

Depth, 2 3/4 fathoms

Nature of bottom,

Dredging instrument used, Oyster dredge

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

Temperature of air, 70 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0230 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.91

State of sky, partly cloudy

Direction of wind N.N.E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7366

4 small crabs
2 shrimp

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7367

Date, Dec. 18, 1902

Time of day, 3.43 P.M. ; of tide, 3/4 flood

Locality, Off Cape Sable Fla

Exact position, Lat. 25°. 03'. 15"

Long. 81°. 08. 38"

Depth 2 1/4 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, N.W. ; distance, 1/4 mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0230 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.91

State of sky, partly cloudy

Direction of wind NNE ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7367

2 Cup sponges
Several logger head sponges
1 Star fish
Several small fish
Several small crabs

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7368

Date, Dec. 19. 1902

Time of day, 9. 05 am ; of tide, low

Locality, Off Cape Sable Fla

Exact position, N. by W ½ W 7¼ mls from signal

Depth, 11 feet

Nature of bottom, Gray sand & grass

Dredging instrument used, Oyster dredge

Direction of drift, North ; distance, ⅝ mile

Temperature of air, 65 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0234 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Clear

Direction of wind NNE ; force, 5

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. E. West

11—1068

NOTES RELATING TO STATION NO. 7368

4 species of fish
Many shrimps
Several small loggerhead sponges
2 species of small crabs
Acidiums

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7369

Date, Dec. 19. 1902

Time of day, 9.40 am ; of tide, low

Locality, Off Cape Sable Fla

Exact position, Lat. 25°. 00'. 30"

Long. 81°. 12'. 20"

Depth, 11½ feet

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, N.E. ; distance, ½ mile

Temperature of air, 68 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0245 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Clear

Direction of wind N.N.E. ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 W. West

NOTES RELATING TO STATION NO. 7369

Several cup sponges
A great many logger head
sponges 1 glove sponge
a few small crabs
vines
grass
ascidiens
very rich bottom

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7370

Date, Dec 19, 1902

Time of day, 10.10 am; of tide, low

Locality, Off Cape Sable Fla,

Exact position, Lat. 25°. 00'. 40"

Long. 81°. 15'. 37"

Depth, 2½ fathoms

Nature of bottom, rocky

Dredging instrument used, Egg dredge

Direction of drift, East ; distance, ¼ mile

Temperature of air, 68 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0240 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 30.01

State of sky, Clear

Direction of wind N.N.E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. E. West

NOTES RELATING TO STATION NO. 7370

a few cup sponges
several glove sponges
Great many bogge head sponges
a few small fish
several small crabs
several small pieces of branch
coral. several worms
starfish

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7371

Date Dec. 19, 1902

Time of day, 10, 40 am ; of tide, low

Locality, Off cape Sable Fla

Exact position, Lat. 25°. 00'. 48"

Long. 81°. 18'. 55"

Depth, 3½ fathoms

Nature of bottom, Speckled sand & shells

Dredging instrument used, Oyster dredge

Direction of drift, N.E. ; distance, ⅛ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0239 temp., 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0239. " 22.5

Number of salinometer, 74.50

Barometer reading, 30.01

State of sky, Clear

Direction of wind N.N.E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

V.E. West

NOTES RELATING TO STATION NO. 7371

3 species of crab
2 species of starfish
several sea urchins
several pieces of branch
coral

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7372

Date, Dec. 19. 1902

Time of day, 11. 10 am; of tide, ½ flood

Locality, Off Cape Sable Fla.

Exact position, Lat. 25° 00' 55"

Long. 81° 22' 15"

Depth, 4 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, N.E ; distance, ¼ mile

Temperature of air, 70 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0228 temp., 23 Celsius.

" at depth of fathoms, "

" at bottom, 1.0226 " 22

Number of salinometer, 7450

Barometer reading, 30.00

State of sky, Clear

Direction of wind N.N.E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. C. West

NOTES RELATING TO STATION NO. 7372

a few glove sponges
quite many logger head sponges
1 small cup sponge
several species of small crabs
1 large and several small pieces of coral
1 small fish
Cardinus
very rich bottom

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7373

Date, Dec. 19. 1902

Time of day, 11.40 am ; of tide, ¼ flood

Locality, Off. Cape Sable Fla.

Exact position, Lat. 25°. 01'. 00

Long. 81°. 25'. 30"

Depth, 4½ fathoms

Nature of bottom, Speckled sand & shells

Dredging instrument used, Oyster dredge

Direction of drift, N. E. ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0228 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0226 " 23

Number of salinometer, 7450

Barometer reading, 29.99

State of sky, Clear

Direction of wind N. N. E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

V. E. West

NOTES RELATING TO STATION NO. 7373

several species of small fish several species of crabs few shrimps few pieces of coral 1 file fish 2 species star fish

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7374

Date, Dec. 19. 1902

Time of day, 12.00 m ; of tide, 4 flood

Locality, Off Cape Sable Fla

Exact position, Lat. 25°. 01'. 10"

Long. 81°. 27'. 45"

Depth, 434 fathoms

Nature of bottom, rocky coral

Dredging instrument used, Oyster dredge

Direction of drift, north ; distance, 4 mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0234 temp 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0232 " 23

Number of salinometer, 7450

Barometer reading, 29.99

State of sky, Clear

Direction of wind N.N.E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. E. West

11—1068

NOTES RELATING TO STATION NO. 7374

Aeolidium
Several star fish
Several sea urchins
Several cup and glove sponges
Many crabs
Very rich ground

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7375

Date, Dec. 19, 1902

Time of day, 12.30 PM; of tide, ½ flood

Locality, off Cape Sable Fla

Exact position, Lat. 24°. 58'. 05"

Long. 81°. 28'. 30"

Depth, 5 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, north; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0232 temp., 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0232 " 22

Number of salinometer, 7450

Barometer reading, 29.99

State of sky, Clear

Direction of wind N.N.E.; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

V. E. West.

NOTES RELATING TO STATION NO. 7375

Many crabs
several sea urchins
a few star fish
1 octopus
several pieces of coral
several small fish

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7376

Date, Dec. 19, 1902

Time of day, 1:00 P.M. ; of tide, ½ flood

Locality, Off Cape Sable Fla

Exact position Lat. 24°. 58'. 00"

Long. 81°. 24'. 45"

Depth, 4 3/4 fathoms

Nature of bottom, Sand & broken shell

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0232 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, 1.0238 " 22

Number of salinometer, 7450

Barometer reading, 29.95

State of sky, Clear

Direction of wind N.N.E ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7376

Nothing but dead shells

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7377

Date, Dec. 19, 1902

Time of day, 1.30 P.M. ; of tide, ½ flood

Locality, off Cape Sable Fla

Exact position, Lat. 24°. 57'. 50

Long. 81°. 20'. 50"

Depth, 3 4 fathoms

Nature of bottom, Hard sand & grass

Dredging instrument used, Eastern dredge

Direction of drift, N. W. ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0242 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, 1.0238 " 22

Number of salinometer, 7450

Barometer reading, 29.95

State of sky, Clear

Direction of wind N. N. W ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7377

2 small file fish
several small crabs
few shrimp few small
logger head sponges

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7378

Date, Dec. 19. 1902

Time of day, 2.03 PM ; of tide, ½ flood

Locality, Off Cape Sable Fla

Exact position, Lat. 24°. 57'. 43"
Long. 81. 17'. 10"

Depth, 3½ fathoms

Nature of bottom, Gray sand & grass

Dredging instrument used, Coyle dredge

Direction of drift, N. W ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0239 temp. 21.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0246 " 22

Number of salinometer, 7450

Barometer reading, 29.95

State of sky, Clear

Direction of wind N. N. W ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. Wish

NOTES RELATING TO STATION NO. 7378

Few Sogger head & cap sponges
1 bat fish
1 file fish
1 sea robin
Many small crabs acrhinus
1 sand dollar

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7379

Date, Dec. 19, 1902

Time of day, 2, 42 P.M.; of tide, 3/4 flood

Locality, Off cape Sable Fla

Exact position, Lat. 24°. 57'. 35"

Long. 81°. 13'. 25"

Depth, 2.34 fathoms

Nature of bottom, Sand & grass

Dredging instrument used, Coplin dredge

Direction of drift, West ; distance, 1/4 mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0240 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.95

State of sky, Clear

Direction of wind N.N.W ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 1379

Several loggerhead & grass sponges several small fish. Several small crabs.

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7380

Date, Dec. 19, 1902

Time of day, 3.43 P.M.; of tide, ¾ flood

Locality, off Cape Sable Fla.

Exact position Lat 24°. 57'. 25"

Long. 81°. 04'. 35"

Depth, 24 fathoms

Nature of bottom, gray sand & grass

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0242 temp. 21.5 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, Clear

Direction of wind N. N. W ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. Q. West

NOTES RELATING TO STATION NO. 7380

2 small file fish
few logger head sponges
few small crabs

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7381

Date, Dec. 19, 1902

Time of day, 4, 10 P.M.; of tide, 3/4 flood

Locality, Off Cape Sable Fla

Exact position, Lat. 24°.57'.20"

Long. 81°.06'.50"

Depth, 2 1/4 fathoms

Nature of bottom, Sand & shells

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, 1/2 mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0238 temp. 71.5 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, Clear

Direction of wind N. N.W ; force, 4

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7381

Several logger head sponges
a few starfish
1 flat fish

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7382

Date, Dec. 20 1902

Time of day, 6.30 am ; of tide, high

Locality, off Cape Sable Fla

Exact position, Lat. 24°. 54'. 20''

Long. 81°. 06'. 52

Depth, 2 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, N.W. ; distance, ½ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0247 temp 21.5 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, partly cloudy

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. Wesh

NOTES RELATING TO STATION NO. 7382

Many logger head, grass &
several glove sponges
Several small fish Herals
1 Starfish
acidians
grass
Very rich bottom

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7383

Date, Dec 20. 1902

Time of day, 7. 00 am ; of tide, high

Locality, Off Cape Sable Fla

Exact position, Lat. 24°. 54'. 27"

Long. 81°. 10'. 15"

Depth, 24 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, ½ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0251 temp. 21.5 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, partly clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7383

Several loggerhead sponges
1 small fish
1 star fish
ascidium
1 shrimp

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7384

Date, Dec. 20. 1902

Time of day, 7.30 am ; of tide, high

Locality, Off Cape Sable Fla

Exact position, Lat. 24°. 54'. 35"

Long. 81°. 13'. 33"

Depth, 2 ½ fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0248 temp., 24.5° Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, Partly Clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068

V. E. West

NOTES RELATING TO STATION NO. 7384

Several yellow cup & glove sponges.
A few small crabs
a few Star fish
actinias
1 shrimp
rish bottom

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7385

Date, Dec. 20, 1902

Time of day, 8.00 am ; of tide, ¼ ebb

Locality, Off Cape Sable Fla

Exact position Lat. 24°. 54'. 42"

Long. 81°. 17'. 07"

Depth, 24 fathoms

Nature of bottom, rocky

Dredging instrument used, Cyclic dredge

Direction of drift, West ; distance, ½ mile

Temperature of air, 74 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0242 temp 21.5 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, partly cloudy

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. G. West

NOTES RELATING TO STATION NO. 7885

Few cup sponges
acidium
many small fish
a few small crabs
very rich bottom

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7386

Date, Dec 20, 1902

Time of day, 8.29 am ; of tide, ½ ebb

Locality, off cape Sable Fla

Exact position, Lat: 24°. 54'. 48"

Long. 81°. 20'. 25

Depth, 2½ fathoms

Nature of bottom, Hard sand & grass

Dredging instrument used, Oyster dredge

Direction of drift, E.N.E ; distance, ¾ mile

Temperature of air, 74 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0244 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, partly clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West.

NOTES RELATING TO STATION NO. 7386

1 cup sponge
8 file fish
2 pipe fish
several small crabs

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 1387

Date, Dec. 20. 1902

Time of day, 9.05 am ; of tide, ½ ebb

Locality, off Cape Sable Fla

Exact position, Lat. 24°. 54'. 55"
Long. 81°. 23'. 45"

Depth, 3 fathoms

Nature of bottom, Hard sand & grass

Dredging instrument used, Eyster dredge

Direction of drift, N. E. ; distance, ¼ mile

Temperature of air, 74 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0224 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, 1.0249 " 22.5

Number of salinometer, 7450

Barometer reading, 29.94

State of sky, partly clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. E. Wesh

11—1068

NOTES RELATING TO STATION NO. 7387

2 large star fish
2 basket Star fish
2 sea robins
1 bum fish
Several other small fish

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7388

Date, Dec. 20. 1902

Time of day, 9.30 am ; of tide, ½ ebb.

Locality, Off Cape Sable Fla

Exact position, Lat 24°. 55'. 05"

Long. 81°. 27'. 08"

Depth, 4 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, East ; distance, ¼ mile

Temperature of air, 75 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0240 temp., 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0236 " 22.5

Number of salinometer, 7450

Barometer reading, 29.98

State of sky, partly clear

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

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7388

a few starfish
several sea robins
a few sand dollars
a few small fish
several crabs
many clams

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7389

Date, Dec. 20. 1902

Time of day, 9.58 am ; of tide, ½ ebb

Locality, off Cape Sable Fla

Exact position, Lat. 24°. 53'. 15"

Long. 81°. 30'. 20"

Depth, 5 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, E. N. E ; distance, ¼ mile

Temperature of air, 75° Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0240 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0238 " 22.5°

Number of salinometer, 7450

Barometer reading, 29.98

State of sky, partly clear

Direction of wind ; force,

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. West

NOTES RELATING TO STATION NO. 7389

A few small fish & crabs
1 Dogger head sponge
Several sea urchins & sand
dollars a quantity of clams

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7390

Date, Dec 22. 1902

Time of day 10.27 am; of tide, ½ ebb

Locality, Off Cape Sable Fla

Exact position, East end of Sanger Key bearing S 4 W. dis. 2¼ miles

Depth, 4 ¾ fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, ¼ mile

Temperature of air, 74 Fahr. therm. No.,

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0244 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, 1.0242 " 22.5

Number of salinometer, 7450

Barometer reading, 29.92

State of sky, Clear

Direction of wind N.N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V. E. Nash

NOTES RELATING TO STATION NO. 7390

Many cup & loggerhead sponges
Many small crabs
a few worms
Several pieces of coral
Asidiums
Sea urchins
Good sponge ground

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 739

Date, Dec. 22, 1902

Time of day, 11.00 am; of tide, ½ ebb

Locality, Off Cape Sable Fla

Exact position, W. end of Content Key bearing S ½ E Dis 2 ½ miles

Depth, 4 ¾ fathoms

Nature of bottom, Hard sand & grass

Dredging instrument used, Ogden dredge

Direction of drift, West ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0240 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0241 " 22.5

Number of salinometer, 7450

Barometer reading, 29.91

State of sky, Clear

Direction of wind N. N. E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. E. West

11—1068

NOTES RELATING TO STATION NO. 7391

Several small fish & crabs
Many sand dollars & sea
urchins Several small
pieces of coral several
shrimps

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7392

Date, Dec. 22. 1902

Time of day, 11.30 am ; of tide, ¾ ebb

Locality, Off Cape Sable Fla

Exact position, Lat. 24°. 52'. 10"

Long 81°. 30'. 20"

Depth, 5 fathoms

Nature of bottom, rocky

Dredging instrument used, Oyster dredge

Direction of drift, S.W. ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0241 temp. 22.5 Celsius.

" at depth of fathoms, "

" at bottom, 1.0240 " 22.5

Number of salinometer, 7450

Barometer reading, 29.91

State of sky, Clear

Direction of wind N.N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

V. E. West

11—1068

NOTES RELATING TO STATION NO. 7392

Many small crabs of several species
1 bat fish
several small fish
several pieces of coral
many clams
several shrimps
1 loggerhead sponge
2 star fish
several sea urchins

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7393

Date, Dec. 22. 1902

Time of day, 12. 00 N ; of tide, ¾ ebb

Locality, off. Cape Sable Fla

Exact position, Lat. 24°. 52'. 00"

Long. 81°. 24'. 07"

Depth, 3¼ fathoms

Nature of bottom, Hard sand & grass

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0241 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, 1.0240 " 22

Number of salinometer, 7450

Barometer reading, 29.89

State of sky, Clear

Direction of wind N.N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V E Nash

NOTES RELATING TO STATION NO. 7393

Several ~~small~~ sand dollars & sea urchins

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7394

Date, Dec. 20 1902

Time of day, 12.33 pm, of tide, ¾ ebb

Locality, off Cape Sable Fla

Exact position, Lat. 24°.51'.52"

Long. 81°. 23'. 60"

Depth, 2 fathoms

Nature of bottom, Sand & grass

Dredging instrument used, Oyster dredge

Direction of drift, N.W. ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0242 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.89

State of sky, Clear

Direction of wind N.N.E. ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

11—1068 V E West

NOTES RELATING TO STATION NO. .....

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No.

Date,

Time of day, ; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift, ; distance,

Temperature of air, 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,

NOTES RELATING TO STATION NO. 7394

1 file fish
1 pipe fish
several crabs
1 sea urchin

643

RECORD OF DREDGING

TEMPERATURE AND DENSITY

Station No. 7395

Date, Dec. 22. 1902

Time of day, 1.03 pm ; of tide, low

Locality, Off Cape Sable Fla

Exact position, Lat. 24°. 57'. 45"

Long. 81°. 20'. 52"

Depth, 2 fathoms

Nature of bottom, Rocky

Dredging instrument used, Oyster dredge

Direction of drift, West ; distance, ¼ mile

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

" of surface water, "

" at depth of fathoms, "

" at bottom, "

Density at surface, 1.0244 temp., 22 Celsius.

" at depth of fathoms, "

" at bottom, "

Number of salinometer, 7450

Barometer reading, 29.97

State of sky, Clear

Direction of wind NNE ; force, 3

Rain,

Direction of surface current, ; force,

" of bottom " ; force,

Name and position of observer,

J. West

11—1068

NOTES RELATING TO STATION NO. 7395

Several file fish
1 grouper
Ascidium
Several small crab
Few small pieces of coral
1 logger head sponge
Several cup sponges
a few shrimp