

U. S. F. Comm.
Records
Nos 1050-1077
Chesapeake
Bay
1882.

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers, 1050 to 1077

Copey

Bredgings by

U. S. F. C. Str.

Fish Hawk

in Chesapeake Bay.

Feby. & March, 1882.

TEMPERATURE RECORD.

Instrument used, *Oyster Dredge*

Current number of observation, *1050.*

Date, *Feby. 27. 1882*

Locality, *Chesapeake Bay.*

Bearings, *Rt. No Rt*

N. N. E. 1 1/2 miles

Time of day, *2. P.m.*; of tide.

State of sky,

Temperature of air, *50.*

" surface of water, *41.*

" at depth of fathoms,

" of bottom,

Depth, in fathoms, *3 1/2*

Nature of bottom, *Mud. & h. fr.*

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

LEWISVILLE RECORD

TEMPERATURE RECORD.

Instrument used, *Oyster dredge*

Current number of observation, *1051,*

Date, *Feby. 27. 1882*

Locality, *Chesapeake Bay*

Bearings, *Rt. No. Rt*

N. by E. 1 mile

Time of day, *2.15 P.m.* of tide.

State of sky,

Temperature of air, *50.*

" surface of water, *41.*

" at depth of fathoms,

" of bottom, *40.*

Depth, in fathoms, *2*

Nature of bottom, *mud, grav.*

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and position of observer

Name and rank of commanding officer

Date and place of sighting

Name of vessel

Name of person captured

Direction of person captured

Direction of vessel captured

Direction of vessel captured

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

REMARKS.

TEMPERATURE RECORD.

Instrument used, *Oyster Dredge*
Current number of observation, *1052*
Date, *Feby, 27, 1882*
Locality, *Chesapeake Bay*
Bearings, *Pt. to Pt.*
N. N. E. 3/4 mile
Time of day, *2.30 P.M.*, of tide,
State of sky,
Temperature of air, *50,*
" surface of water, *41,*
" at depth of fathoms,
" of bottom, *40.*
Depth, in fathoms, *1 3/4.*
Nature of bottom, *mud. grass.*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

Name and position of observer.

Name and rank of commanding officer.

Location of vessel.

Name of vessel.

Force of bottom current.

Direction of bottom current.

Force of surface current.

Direction of surface current.

Name of bottom.

Depth in fathoms.

of bottom.

at depth of

bottom.

surface of water.

Temperature of air.

Temperature of water.

Time of day.

State of sky.

Direction of wind.

Force of wind.

Direction of sea.

Force of surface current.

Direction of surface current.

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Oyster Dredge

Current number of observation,

1053

Date,

Feby. 27, 1882

Locality,

Chesapeake Bay,

Bearings,

Rt. No Rt.

N. by E. $1\frac{1}{4}$ miles

Time of day,

2.45 P.M., of tide.

State of sky,

Temperature of air,

50.

"

surface of water,

41.

"

at depth of

fathoms,

"

of bottom,

40

Depth, in fathoms,

$23\frac{1}{4}$

Nature of bottom,

mud sh. O.

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and location of object

Name and rank of commanding officer

To what service attached

Name of vessel

Force of powder attached

Direction of powder motion

Force of smoke motion

Direction of smoke motion

Name of person

Rank of person

of person

to duty in

service of vessel

Remarks of ship

Name of ship

Name of ship

Name of ship

Name of ship

Name of ship

Name of ship

Name of ship

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Oyster Dredge

Current number of observation,

1054

Date,

Feby. 27, 1882

Locality,

Chesapeake Bay

Bearings,

Pt. No Pt.

N. by E. $1\frac{1}{4}$ miles

Time of day,

2.50 PM; of tide,

State of sky,

Temperature of air,

50.

"

surface of water,

41.

"

at depth of

fathoms,

"

of bottom,

40.

Depth, in fathoms,

$2\frac{3}{4}$

Nature of bottom,

mud, sh. O.

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

NAME AND LOCATION OF PERSON.

ADDRESS AND NAME OF EMPLOYING OFFICE.

TO WHAT SERVICE ASSIGNED.

NAME OF VESSEL.

NAME OF PORT OF ORIGIN.

NAME AND ADDRESS OF AGENT.

NAME OF SERVICE OFFICER.

DIRECTION OF SERVICE OFFICER.

NAME OF PERSON.

DATE OF REPORT.

NAME OF PERSON.

TO WHAT IS ASSIGNED.

NAME OF VESSEL.

NAME OF PERSON.

NAME OF VESSEL.

NAME OF VESSEL.

NAME OF VESSEL.

NAME OF VESSEL.

NAME OF VESSEL.

NAME AND ADDRESS OF PERSON.

NAME AND ADDRESS OF PERSON.

RECEIVED AND RECORDED

TEMPERATURE RECORD.

Instrument used,

Dredge

Current number of observation,

1055.

Date,

Feb. 28. 1882

Locality,

Pawtucket River

Bearings,

Brn Pt. N. E. 1/2 mile

Time of day,

10, 40 am

of tide,

State of sky,

Temperature of air,

46.

"

surface of water,

40.

"

at depth of

fathoms,

"

of bottom,

Depth, in fathoms,

6.

Nature of bottom,

brn. m. sh.

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

DATE AND LOCATION OF OBSERVATION

NAME AND RANK OF COMMANDING OFFICER

TO WHAT SERVICE ATTACHED

NAME OF VESSEL

NAME OF PORT OF ORIGIN

NAME OF PORT OF DESTINATION

NAME OF SERVICE VESSEL

NAME OF SERVICE VESSEL

NAME OF SERVICE VESSEL

NAME OF SERVICE VESSEL

NAME OF SERVICE VESSEL

NAME OF SERVICE VESSEL

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NAME OF SERVICE VESSEL

NAME OF SERVICE VESSEL

NAME OF SERVICE VESSEL

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Rake Dredge*
Current number of observation, *1056.*
Date, *Feb., 28, 1882*
Locality, *Rawlins River,*
Bearings, *Drum Pt.*
N. N. E., 73 mile
Time of day, *10.55 am*; of tide,
State of sky,
Temperature of air, *46.*
“ surface of water, *40*
“ at depth of fathoms,
“ of bottom,
Depth, in fathoms, *6.*
Nature of bottom, *fine m. sh.*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

NAME AND POSITION OF OBSERVER

NAME AND RANK OF COMMANDING OFFICER

TO WHAT SERVICE ATTACHED

NAME OF VESSEL

NAME OF PORT OF ORIGIN

NAME OF PORT OF DESTINATION

NAME OF VESSEL'S CAPTAIN

NAME OF VESSEL'S CREW

NAME OF PORT

NAME OF VESSEL

OF PORT

IN CASE OF VESSEL

NAME OF VESSEL

NAME OF VESSEL

NAME OF VESSEL

NAME OF VESSEL

NAME OF VESSEL

NAME OF VESSEL

NAME OF VESSEL

NAME OF VESSEL

NAME OF VESSEL

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
 Current number of observation, *1057.*
 Date, *Feb. 28. 1882*
 Locality, *Chesapeake Bay,*
 Bearings, *South End Barren Id*
Ex 8. 1 3/4 miles.
 Time of day, *12 m*; of tide,
 State of sky,
 Temperature of air, *49*
 " surface of water, *40.*
 " at depth of fathoms,
 " of bottom, *40*
 Depth, in fathoms, *17-20*
 Nature of bottom, *brn. m*
 Direction of surface current,
 Force of surface current, *Drift. N. N. W, 1/2 m*
 Direction of bottom current,
 Force of bottom current,
 Name of vessel,
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

REMARKS.

State and County of California

County of San Diego

City of San Diego

Name of Person

Address of Person

Business of Person

Place of Birth

Marital Status

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

Place of Birth

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1058.

Date,

Feb. 28. 1882

Locality,

Chesapeake Bay

Bearings,

S. End Barren Id

S. E. x E, $\frac{1}{2}$ E,

2 miles

Time of day,

12.10 ; ~~of tide~~ PM

State of sky,

Temperature of air,

49

"

surface of water,

40

"

at depth of

fathoms,

"

of bottom,

40.

Depth, in fathoms,

3-25.

Nature of bottom,

brn. m.

Direction of surface current,

~~Drift~~

Force of surface current,

N. N. W. $\frac{1}{2}$ m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Direction of surface current

Force and direction of surface current

Direction of surface current

Force of surface current

Direction of surface current

Force of surface current

Direction of surface current

Force of surface current

Direction of surface current

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Direction of surface current

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Force of surface current

Direction of surface current

Direction of surface current

Force of surface current

Direction of surface current

Force of surface current

Direction of surface current

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1059*
Date, *Feb. 28. 1882*
Locality, *Chesapeake Bay*
Bearings, *S. End Barren Id*
S. E. 1/4 E, 2 miles.
Time of day, *12.30*; of tide, *PM*
State of sky,
Temperature of air, *49*
" surface of water, *40*
" at depth of fathoms,
" of bottom, *40,*
Depth, in fathoms, *2 3/4 - 25*
Nature of bottom, *brn m*
Direction of surface current,
Drift
~~Force of surface current,~~ *W. N. W. 3/4 mile*
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

RECEIVED LAST RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1060*
Date, *Feb. 28, 1882*
Locality, *Chesapeake Bay*
Bearings, *Smiths Pt.*
S. S. W. 2 miles.
Time of day, *4.20 P.M.*; of tide,
State of sky,
Temperature of air, *46,*
" surface of water, *41.5*
" at depth of fathoms,
" of bottom, *40, 5*
Depth, in fathoms, *7*
Nature of bottom, *brn m. sh.*
Direction of surface current,
W. by N.
Force of surface current, *S. E. by E. 3/4 mile*
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

Amount and character of business

Amount and character of business

Amount and character of business

Amount and character of business

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Amount and character of business

INTERVAL RECORD

TEMPERATURE RECORD.

Instrument used, *Bredge*
 Current number of observation, *1061.*
 Date, *Mar. 2, 1882*
 Locality, *Chesapeake Bay*
 Bearings, *Smith's Point Light*
S. by W. $\frac{1}{2}$ N. $1\frac{1}{2}$ miles.
 Time of day, *11.20 am*, of tide,
 State of sky,
 Temperature of air, *48.*
 " surface of water, *41.5*
 " at depth of fathoms,
 " of bottom, *41.5*
 Depth, in fathoms, *11-16.*
 Nature of bottom, *br. m., sh.*
 Direction of surface current,
 Force of surface current, *drift S. $\frac{1}{2}$ m.*
 Direction of bottom current,
 Force of bottom current,
 Name of vessel,
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

REMARKS.

Name and location of observer.

Name and rank of commanding officer.

To what service attached.

Name of vessel.

Force of bottom current.

Direction of bottom current.

Force of surface current.

Direction of surface current.

Name of port.

Depth in fathoms.

of bottom.

at depth of fathoms.

surface of water.

Direction of wind.

Force of wind.

Time of day. of tide.

Barometer.

Thermometer.

State.

Direction and force of surface current.

Direction and force of bottom current.

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
 Current number of observation, *1062*
 Date, *March 2, 1882*
 Locality, *Chesapeake Bay*
 Bearings, *Smith's Pt. Light,*
S. W. $\frac{1}{2}$ S. , 144 m
 Time of day, *11.40 am*, of tide.
 State of sky,
 Temperature of air, *48.*
 " surface of water, *41.5*
 " at depth of fathoms,
 " of bottom, *41.5*
 Depth, in fathoms, *16-9 $\frac{1}{2}$*
 Nature of bottom, *bn. m. sh*
 Direction of surface current,
~~Force of surface current,~~ *Drift. S. x W. 1 m*
 Direction of bottom current,
 Force of bottom current,
 Name of vessel,
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

REMARKS.

State any portion of specimen

State any part of surrounding country

To what service attached

Name of vessel

Name of person captured

Direction of person captured

Place of capture

Direction of capture

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Rake Bridge*
Current number of observation, *1063.*
Date, *Mar. 6, 1882*
Locality, *Chesapeake Bay*
Bearings, *S. Pt. Tangier Id*
N. x E $3/4$ E, 2 1/4 m
Time of day, *9.35*; of tide,
State of sky,
Temperature of air, *50.*
" surface of water, *44*
" at depth of fathoms,
" of bottom, *42.*
Depth, in fathoms, *10.*
Nature of bottom, *br. m. sh.*
Direction of surface current,
Force of surface current, *drift N. E. x E. $1/2$ m*
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

LEWISVILLE RECORD

TEMPERATURE RECORD.

Instrument used,

Rake Dredge

Current number of observation,

1064,

Date,

Mar. 6, 1882

Locality,

Chesapeake Bay

Bearings,

S. Pt. Tangier Is.

N. N. W. 1 mile

Time of day,

2.17 PM; of tide,

State of sky,

Temperature of air,

50,

"

surface of water,

42

"

at depth of

fathoms,

"

of bottom,

42

Depth, in fathoms,

20 - 9 1/2

Nature of bottom,

bn. m. sh.

Direction of surface current,

~~Force of surface current,~~

N. E. x E. 1/2

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

1880. The 1st of March.

1880. The 2nd of March.

1880. The 3rd of March.

1880. The 4th of March.

1880. The 5th of March.

1880. The 6th of March.

1880. The 7th of March.

1880. The 8th of March.

1880. The 9th of March.

1880. The 10th of March.

1880. The 11th of March.

1880. The 12th of March.

1880. The 13th of March.

1880. The 14th of March.

1880. The 15th of March.

1880. The 16th of March.

1880. The 17th of March.

1880. The 18th of March.

1880. The 19th of March.

1880. The 20th of March.

1880. The 21st of March.

1880. The 22nd of March.

RECEIVED RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1065.*
Date, *Mar. 6, 1882*
Locality, *Chesapeake Bay*
Bearings, *Cherry stone Lk.*
E. x N. 2 miles
Time of day, *9 am.* of tide,
State of sky,
Temperature of air, *56.*
" surface of water, *45,*
" at depth of fathoms,
" of bottom, *46.5*
Depth, in fathoms, *25-12*
Nature of bottom, *sand,*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

Name and position of operator

Date and time of observation

To what service attached

Name of vessel

Place of bottom contact

Direction of bottom contact

Force of surface contact

Direction of surface contact

Name of person

Depth in fathoms

of person

at depth of

surface

surface in water

Temperature of air

Water in air

Time of day

of day

Remarks

Remarks

Date

Current number of observation

Observation time

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1066.*
Date, *Mar. 6, 1882*
Locality, *Chesapeake Bay,*
Bearings, *Cherry stone Lt.*
E. x S. 3 miles S.
Time of day, *9.20* of tide, *—*
State of sky,
Temperature of air, *56,*
“ surface of water, *45,*
“ at depth of fathoms,
“ of bottom, *45,*
Depth, in fathoms, *12 - 25 1/2*
Nature of bottom, *Sand*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

Name and position of observer.

Name and rank of commanding officer.

To what service attached.

Name of vessel.

Force of bottom current.

Direction of bottom current.

Force of surface current.

Direction of surface current.

Name of port.

Depth in fathoms.

of bottom.

at depth of fathoms.

surface of water.

Temperature of air.

State of sky.

Time of day. of day.

Direction.

Force.

Date.

Name, position of observer.

Remarks.

TEMPERATURE RECORD.

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1067*
Date, *Mar. 6, 1882*
Locality, *Chesapeake Bay*
Bearings, *Cherry stone Pt. ✓*
S. E. x E. 1/4 E. 3 miles.
Time of day, *9.40 am* of tide.
State of sky,
Temperature of air, *56.*
" surface of water, *45.*
" at depth of fathoms,
" of bottom, *47*
Depth, in fathoms, *12-20.*
Nature of bottom, *Sand*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

10 SEP 06 06:18:00 AM

LONG IN BUILDING LIBRARY

Product of complex numbers

1. DIFFERENTIAL EQUATIONS

67-46344-46 1042-4811

Signature of Author

1994-1995

2019年12月12日

$$\frac{1}{2} \times 234 + 478 + \frac{1}{2} \times 102 =$$

LEWIS AND CLARK RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1068.*
Date, *Mar. 11, 1882*
Locality, *Chesapeake Bay*
Bearings, *off Kent Id. Thos Pt Light*
lv. S. W. 1/4 W. 2 miles
Time of day, *9.50 a.m. ebb tide*
State of sky,
Temperature of air, *49*
" surface of water, *42*
" at depth of fathoms,
" of bottom, *41,*
Depth, in fathoms, *14-9*
Nature of bottom, *bk. m.*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

NAME AND POSITION OF OBSERVER

NAME AND RANK OF COMMANDING OFFICER

TO WHAT SERVICE ATTACHED

NAME OF VESSEL

NAME OF CAPTAIN

NAME OF SURGEON

NAME OF ENGINEER

NAME OF SURGEON

NAME OF SURGEON

NAME OF SURGEON

NAME OF SURGEON

NAME OF SURGEON

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NAME OF SURGEON

NAME OF SURGEON

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1069*
Date, *Mar. 11, 1882*
Locality, *Chesapeake Bay*
Bearings, *Kent Id. Thos Pt Light*
S. W. $3/4$ W., $2 1/4$ m.
Time of day, *10.20; of tide*
State of sky, *1*
Temperature of air, *57.*
“ surface of water, *42*
“ at depth of fathoms,
“ of bottom, *40*
Depth, in fathoms, *18*
Nature of bottom, *brn*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1070.*
Date, *Mar. 11, 1882*
Locality, *Chesapeake Bay*
Bearings, *off Kent Id. Thos. Pt. Lt.*
10. x 8. 2 miles
Time of day, *10.45* ; of tide, *low*
State of sky,
Temperature of air, *45.*
“ surface of water, *42*
“ at depth of fathoms,
“ of bottom, *42*
Depth, in fathoms, *15-10*
Nature of bottom, *bk m*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

State and location of specimen

Date and hour of observation

To what service attached

Name of vessel

Name of person observed

Description of person observed

Place of capture

Description of capture

Name of person

Place of capture

of person

of date of

person

name of person

State of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person

Name of person of person

Name of person

LEWISVILLE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1071*
Date, *Mar. 11, 1882*
Locality, *Chesapeake Bay*
Bearings, *Kent Id. Fos. Pt. Lt.*
W. N. W., 1/2 W. 2 1/4 m
Time of day, *11.22*; of tide, *run*
State of sky,
Temperature of air, *49*,
" surface of water, *42*
" at depth of fathoms,
" of bottom, *40*,
Depth, in fathoms, *14-13*.
Nature of bottom, *bk. m.*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

At 10.00 AM the ship was sighted

At 10.15 AM the ship was sighted

At 10.30 AM the ship was sighted

At 10.45 AM the ship was sighted

At 11.00 AM the ship was sighted

At 11.15 AM the ship was sighted

At 11.30 AM the ship was sighted

At 11.45 AM the ship was sighted

At 12.00 PM the ship was sighted

At 12.15 PM the ship was sighted

At 12.30 PM the ship was sighted

At 12.45 PM the ship was sighted

At 1.00 PM the ship was sighted

At 1.15 PM the ship was sighted

At 1.30 PM the ship was sighted

At 1.45 PM the ship was sighted

At 2.00 PM the ship was sighted

At 2.15 PM the ship was sighted

At 2.30 PM the ship was sighted

At 2.45 PM the ship was sighted

At 3.00 PM the ship was sighted

At 3.15 PM the ship was sighted

At 3.30 PM the ship was sighted

TEMPERATURE RECORD.

Instrument used,

Rake Dredge

Current number of observation,

1072

Date,

Mar. 11, 1882

Locality,

Chesapeake Bay

Bearings,

Kent Id. Thos Pt. Lt.

N. W.

2 1/4 miles

Time of day,

12, m; of tide,

State of sky,

Temperature of air,

50.

"

surface of water,

42

"

at depth of

fathoms,

"

of bottom,

42

Depth, in fathoms,

16.

Nature of bottom,

bk. m

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and location of property

Name and rank of commanding officer

Date and place of capture

Name of owner

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

Place of capture

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Rake Dredge*
Current number of observation, *1073.*
Date, *Mar. 11, 1882*
Locality, *Chesapeake Bay*
off Kent Id. Thos Pt Lt.
Bearings, *N. W. x N. 2 1/2 m*
Time of day, *12.25 Pm*; of tide,
State of sky,
Temperature of air, *50.*
“ surface of water, *42*
“ at depth of fathoms,
“ of bottom, *42.*
Depth, in fathoms, *13.*
Nature of bottom, *bk m. sh*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

Name and location of observer

Name and rank of commanding officer

To what service attached

Name of vessel

Name of harbor current

Direction of harbor current

Force of surface current

Direction of surface current

Name of person

Rank in service

of person

at birth of

person

surface of water

Temperature of air

Name of sea

Time of day

in year

Latitude

Longitude

Wind

Direction and force of surface current

Direction and force of bottom current

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1074

Date,

Mar. 11, 1882

Locality,

Chesapeake Bay

Bearings,

off Kent Id, Thos Pt Lt,

N. x W. 42 W. 4 ³/₄ m

Time of day,

1:10 P.M. of tide.

State of sky,

Temperature of air,

57.

"

surface of water,

43

"

at depth of

fathoms,

"

of bottom,

41.

Depth, in fathoms,

18-11.

Nature of bottom,

bk. m.

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

1. The first of the following is the

2. The second of the following is the

3. The third of the following is the

4. The fourth of the following is the

5. The fifth of the following is the

6. The sixth of the following is the

7. The seventh of the following is the

8. The eighth of the following is the

9. The ninth of the following is the

10. The tenth of the following is the

11. The eleventh of the following is the

12. The twelfth of the following is the

13. The thirteenth of the following is the

14. The fourteenth of the following is the

15. The fifteenth of the following is the

16. The sixteenth of the following is the

17. The seventeenth of the following is the

18. The eighteenth of the following is the

19. The nineteenth of the following is the

20. The twentieth of the following is the

21. The twenty-first of the following is the

22. The twenty-second of the following is the

THESE ARE THE REMARKS.

TEMPERATURE RECORD.

Instrument used, *Trawl*

Current number of observation, *1075.*

Date, *Mar. 13, 1882*

Locality, *Chesapeake Bay*

Bearings, *Sandy Pt. Light,*

N. x W. 1/4 W. 3 1/2 m.

Time of day, *9.45*; of tide, *ebb.*

State of sky,

Temperature of air, *45.*

" surface of water, *43.*

" at depth of fathoms,

" of bottom, *40.*

Depth, in fathoms, *14-11.*

Nature of bottom, *mud.*

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS

REMARKS.

NAME AND LOCATION OF OBSERVATORY.

NAME AND RANK OF COMMANDING OFFICER.

TO WHAT SERVICE ATTACHED.

DATE OF OBSERV.

NAME OF BATTERY CAPTAIN.

DIRECTION OF BATTERY CAPTAIN.

NAME OF BATTERY CAPTAIN.

DIRECTION OF BATTERY CAPTAIN.

NAME OF BATTERY.

NAME OF BATTERY.

OF BATTERY.

AT BATTERY OF BATTERY.

NAME OF BATTERY.

NAME OF BATTERY.

NAME OF BATTERY.

NAME OF BATTERY. OF BATTERY.

NAME OF BATTERY.

NAME OF BATTERY.

NAME OF BATTERY.

NAME OF BATTERY. OF BATTERY.

NAME OF BATTERY.

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1076.*
Date, *Mar. 13, 1882*
Locality, *Chesapeake Bay*
Bearings, *Sandy Pt. Light.*
N. x W. 44 W. ~~10~~
Time of day, *10.15* of tide, *—*
State of sky,
Temperature of air, *45.*
“ surface of water, *43.*
“ at depth of fathoms,
“ of bottom, *40.*
Depth, in fathoms, *15.*
Nature of bottom, *mud,*
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer,
Name and position of observer,

REMARKS.

Name and position of observer

Name and rank of commanding officer

To what service attached

Name of vessel

Color of bottom surface

Direction of bottom current

Force of surface current

Direction of surface current

Force of bottom

Direction of bottom

Force of bottom

Force of bottom

Force of bottom

Direction of surface

Force of surface

Force of surface

Force of surface

Force of surface

Force of surface

Force of surface

Force of surface

Force of surface

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1077.

Date,

Mar. 13. 1882

Locality,

Chesapeake Bay

Bearings,

Sandy Pt Light.

N. W. 1/4 W.

244 miles

Time of day,

10.55 - after

State of sky,

Temperature of air,

49

"

surface of water,

43

"

at depth of

fathoms,

"

of bottom,

40

Depth, in fathoms,

11-12

Nature of bottom,

mud

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and position of observer

Name and rank of commanding officer

To what service attached

Name of vessel

Name of port of call

Name of port of call

Name of service vessel

Name of service vessel

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

Name of port

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

BEWVBK3

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

NAME AND LOCATION OF VESSEL

NAME AND GRADE OF COMMANDEER

NAME AND GRADE OF SURGEON

NAME OF DOCTOR

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

NAME OF PATIENT

LEWIS & CLARK RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and position of operator

Name and rank of commanding officer

No. of the vessel

Name of vessel

Force of bottom current

Direction of bottom current

Force of surface current

Direction of surface current

Name of person

Rank or position

in person

to ship in

amount

value of cargo

Temperature of air

State of sky

Time of day

at night

Direction

Force

Time

Direction of surface current

Force of surface current

LEWIS & CLARK RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and position of person

Name and rank of commanding officer

To what service attached

Date of award

Place of person's capture

Direction of person's capture

Place of capture of person

Direction of capture of person

Name of person

Rank of person

of person

at date of

capture

capture of person

to be considered

date of award

date of award

in 1916

person

person

person

person's name of person

person's name

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and location of vessel.

Name and rank of commanding officer.

To what service attached.

Name of vessel.

Force of bottom current.

Direction of bottom current.

Force of surface current.

Direction of surface current.

Height of bottom.

Depth in fathoms.

of bottom.

at depth of

fathoms.

bottom of water.

Temperature of air.

Temperature of water.

Direction of wind.

Force of wind.

Direction of sea.

Force of sea.

Time.

Current number of observation.

Remarks on day.

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

UNCLASSIFIED RECORDS

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

At 10:00 AM, the ship was at the mouth of the river.

At 10:15 AM, the ship was at the mouth of the river.

At 10:30 AM, the ship was at the mouth of the river.

At 10:45 AM, the ship was at the mouth of the river.

At 11:00 AM, the ship was at the mouth of the river.

At 11:15 AM, the ship was at the mouth of the river.

At 11:30 AM, the ship was at the mouth of the river.

At 11:45 AM, the ship was at the mouth of the river.

At 12:00 PM, the ship was at the mouth of the river.

At 12:15 PM, the ship was at the mouth of the river.

At 12:30 PM, the ship was at the mouth of the river.

At 12:45 PM, the ship was at the mouth of the river.

At 1:00 PM, the ship was at the mouth of the river.

At 1:15 PM, the ship was at the mouth of the river.

At 1:30 PM, the ship was at the mouth of the river.

At 1:45 PM, the ship was at the mouth of the river.

At 2:00 PM, the ship was at the mouth of the river.

At 2:15 PM, the ship was at the mouth of the river.

At 2:30 PM, the ship was at the mouth of the river.

At 2:45 PM, the ship was at the mouth of the river.

At 3:00 PM, the ship was at the mouth of the river.

At 3:15 PM, the ship was at the mouth of the river.

THESE REMARKS ARE THE PROPERTY OF THE U.S. GOVERNMENT

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

1. Name and position of vessel.

2. Name and rank of commanding officer.

3. Name and rank of observer.

4. Name of vessel.

5. Name of person observed.

6. Name of person observed.

7. Name of person observed.

8. Name of person observed.

9. Name of person.

10. Name of person.

11. Name of person.

12. Name of person.

13. Name of person.

14. Name of person.

15. Name of person.

16. Name of person.

17. Name of person.

18. Name of person.

19. Name of person.

20. Name of person.

21. Name of person.

22. Name of person.

LEWISVILLE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and position of observer.

Name and rank of commanding officer.

To what service attached.

Name of vessel.

Force of bottom current.

Direction of bottom current.

Force of surface current.

Direction of surface current.

State of bottom.

Depth in fathoms.

of bottom.

at depth of fathoms.

surface of water.

Force of surface current.

State of sky.

Time of day.

Direction.

Force.

Time.

Current number of observation.

Position of vessel.

TEMPERATURE RECORD.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide.

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

NAME AND POSITION OF PERSONS

NAME AND RANK OF COMMANDING OFFICER

NAME AND RANK OF SURGEON

NAME OF VESSEL

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

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NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

NAME OF PERSONS ON BOARD

REMARKS ON THE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Under the heading of a person

Under the heading of a corporation

Under the heading of a partnership

Under the heading of a trust

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

Under the heading of a person

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and position of observer.

Name and rank of commanding officer.

To what service attached.

Name of vessel.

Force of surface current.

Direction of surface current.

Force of surface current.

Direction of surface current.

Name of bottom.

Depth to surface.

of bottom.

to depth of surface.

surface of water.

Temperature of air.

State of sky.

Force of wind.

of wind.

Direction.

Force.

Time.

Current number of observation.

Direction of wind.

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

Under any provision of law...

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

1. Name of vessel or person

2. Date and place of birth

3. Date and place of death

4. Name of father

5. Name of mother

6. Name of spouse

7. Name of children

8. Name of other relatives

9. Name of other persons

10. Name of other persons

11. Name of other persons

12. Name of other persons

13. Name of other persons

14. Name of other persons

15. Name of other persons

16. Name of other persons

17. Name of other persons

18. Name of other persons

19. Name of other persons

20. Name of other persons

21. Name of other persons

22. Name of other persons

23. Name of other persons

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

State any kind of speciality

State any kind of extraordinary condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

State any special condition

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and position of observer

Name and rank of commanding officer

Date and place observed

Name of vessel

Force of surface current

Direction of surface current

Force of surface current

Direction of surface current

Name of bottom

Depth in fathoms

of bottom

at depth of

fathoms

surface of water

Temperature of air

Time of day

Time of day

Time of day

Direction

Direction

Time

Direction of surface current

Direction of surface current

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

Name and location of property

Name and rank of commanding officer

To what service attached

Grade of officer

Place of birth of officer

Education of officer

Place of service

Description of service

Name of person

Rank in service

of person

at date of service

number of years

length of service

date of birth

date of death

of age

height

weight

eyes

condition of service

condition of health

REMARKS RECORD

TEMPERATURE RECORD.

Instrument used,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

State and location of vessel

Name and rank of commanding officer

To what service attached

Name of vessel

Place of service attached

Information of service attached

Name of service attached

Information of service attached

Name of service

Rank of service

of service

Rank of service

Rank of service

Rank of service

Rank of service

Rank of service

Rank of service

Rank of service

Rank of service

Rank of service

Rank of service

Rank of service

Rank of service

TEMPERATURE RECORD