U. J. F. Comm.
Records.
Nos 1050-1077.
Cherapeake
Bay.
1882.

CRIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1050 to 1077

Oredgings Ly

Li. J. F. C. Str.

Fishtrawk
in Chesapeakeloay.
Feby, V March, 1882;

Instrument used, Oy the Dredge
Current number of observation. 1050
Date. Leby, 27, 1882
Locality, Chetalocake Bac
Bearings, Pt. no Pt. N. N. E. 11/2 miles
Time of day, 2, PM; of tide.
State of sky,
Temperature of air, 50,
surface of water, 4/.
" at depth of fathoms,
" of bottom,
Depth, in fathoms, 3 1/2
Nature of bottom, Much, Oh, 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,

Instrument used, Oyster Dredgo
Current number of observation. / O 5 /
Date, Febry, 27, 1882
Bearings, Rt No 124 Bay
Bearings, Rt No. 14
Ar. by E. I mile
Time of day, 2. 15 12 office.
State of sky,
Temperature of air, 50
surface of water, 4/.
" at depth of fathoms,
of bottom, 40,
Depth, in fathoms,
Nature of bottom, mud, frais.
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,

Instrument used, Oyater Duedge
Current number of observation. 1052
Date, Febry, 27, 1882
Locality, Chesapeabe/Ba
Bearings, A. No Rf.
N. N. E. 3/4 mile
Time of day, 2, 30 Portider,
State of sky,
Temperature of air, 50,
" surface of water,
" at depth of fathoms,
of bottom, 40,
Depth, in fathoms, 13/4.
Nature of bottom, Much, fraid,
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.

Instrument used, Grater Dre 250
Current number of observation, / 0 33
Date, Febr, 27, 1882 Locality. Chesaficative 18a, Bearings, Pt. No Pt.
Locality. Chesafeatee 16a,
Bearings, Pt. No Pt
N. by E. 1/4 miles
Time of day, 2, 4 5 7 of tide
State of sky,
Temperature of air, 50
" surface of water,
" at depth of fathoms,
" of bottom, 40
Depth, in fathoms, $\frac{23}{4}$
Nature of bottom, Mud, 2h. 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,

Instrument used.
Current number of observation, 1654
Date Telas 2 11 /8 1
Locality. Chesapentellan
Bearings. Pt No Pt
Bearings. Pt. No Pt. C. Sy E. 11/4 miles
Time of day, 2, 50 for lide.
State of sky,
Temperature of air, 50,
" surface of water, 4/.
" at depth of fathoms,
" of bottom, 40,
Depth, in fathoms, 23/4
Nature of bottom, Arred, She 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,

Instrument used, Are Eg.
Current number of observation, 1055.
Date, Leby, 28. 1882
Locality, Pacoliceant River
Bearings, Dreen Pt. N. E. /2 mile
Time of day, 10, 4 Out independent
State of sky,
Temperature of air, 46
" surface of water, 40,
" at depth of fathoms,
" of bottom.
Depth, in fathoms,
Nature of bottom, Line. 11. Ale,
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,

∂
Instrument used, Rake Rickey
Current number of observation, 1056.
Date, 464, 28 18 82
Locality, Rame le ween Alleva
Bearings, Drun Ry
N. N. E., /3 mile
Time of day, 10, 53; offide,
State of sky,
Temperature of air, 46,
" surface of water, 40
" at depth of fathoms,
" of bottom,
Depth, in fathoms, 6
Nature of bottom, town one at.
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 position of observer,

Name and rank of commanding officer.

Instrument used, Fraco-C
Current number of observation. 1037.
Date, Febr, 28, 1882
Locality. Charles and the total
Bearings. Sorcia Sad 16 and 5
E. x 5. /3/4 more
Time of day, 12 271; of tide,
State of sky,
Temperature of air, 49
" surface of water, 40
" at depth of fathoms,
" of bottom, 40
Depth, in fathoms, / 7 = 2 0
Nature of bottom, Line, June
Direction of surface current, Force of surface current. 11, 01, 17, 12 71
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.

of
Instrument used, Tracol
Current number of observation, / 9 5 8,
Date, Feb., 2.1. 1812-
Locality. Chetalen he 100 e
Bearings, S. End Barren ta
S. E. x E, 1/2 E, 2 miles
Time of day, 12, 10; Right
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, Len. rr.
Direction of surface current,
Force of surface current, 11. Nr. 11, 12. 11
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.

TEMPERATURE RECORD.
Instrument used, Trace
Current number of observation, / 0 5 %
Date, Febr, 28, 188/2
Locality, Cherapeake 15ac
Bearings. S. En & Backer In
S. E. 14 8. 2 mins.
Time of day, 12, 30; Attack
State of sky,
Temperature of air, 49
" surface of water, 40
at depth of fathoms,
" of bottom, \mathcal{H} 0,
Depth, in fathoms, $23/4 - 25$
Nature of bottom, bin n

Direction of surface current,
Force of surface current, 60, 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,

Traco

Instrument used,

Current number of observation. / O 60
Date, Ficky, 28, 1882 Locality, Chekapeake 13ag. Bearings, Siriects Pt.
Locality, Chexapeaker 3 as
Bearings, Sincete Pt.
S. S. W. 2 miles.
Time of day, 4,20 1; of fide.
State of sky,
Temperature of air, 46,
·· surface of water, 4/, 5
" at depth of fathoms,
" of bottom, 40, 5
Depth, in fathoms,
Nature of bottom, Lin . m. A.
Direction of surface current, Force of surface current.
Direction of bottom current,
Force of bottom current,
Name of vessel.

Name and position of observer,

Name and rank of commanding officer,

To what service attached,

Instrument used, Arcdga
Current number of observation. 1061.
Date, May, 2, 1882
Locality.
Bearings, Oliver And American States
S. by W. 1/2 mile
Time of day, //, 20 Cof title,
State of sky,
Temperature of air, 45.
surface of water. H. I.
" at depth of fathoms,
" of bottom, H/, 5
Depth, in fathoms, 11-16. Nature of bottom, 5n. m. Ah.
Nature of bottom, In. The Ah.
Direction of surface current,
Force of surface current, 8, 1/2 m
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,

Name and position of observer,

Name and rank of commanding officer,

Instrument used, France
Current number of observation. /062
Date.
Locality, Chexabeakella
Bearings. Smith should
Bearings. Similas por a per de la C. Cu, 1/2 S, 1114 m
Time of day, //, 40 Cot tide; -
State of sky,
Temperature of air, 48.
" surface of water, 41.0
at depth of fathoms,
" of bottom, H/, 5
Depth, in fathoms, 16-91/z
Nature of bottom, GR 711 1-6
Direction of surface current, Single Single Current, Force of surface current, Single Single Current, Single S
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.

Instrument used, Rale 19 re 850
Current number of observation. 1063.
Date, Mar. 6, 1882
Bearings, S. Pt. Tanguer Id
Bearings, S. Pt. Tanguer Id
N. X & 3/4 8 , 244 m
Time of day, 9.35; of tide,
State of sky,
Temperature of air, $\int O$,
" surface of water, 4
" at depth of fathoms,
" of bottom, 42
Depth, in fathoms, / O
Nature of bottom, br. w.
Direction of surface current, Force of surface current, Vt. 2. × 6. /2 ×
Direction of bottom current,

Name and position of observer,

Name and rank of commanding officer,

Force of bottom current,

To what service attached,

Name of vessel,

71
Instrument used, Rake River
Current number of observation, 1064,
Date, Mar. 6, 1882
Locality. Cherapea Re Bas
Bearings. S. Pot. Tangering
N. N. W. Imile
Time of day, 2, / 7, of tide.
State of sky,
Temperature of air, 50
" surface of water, 42
at depth of fathoms,
" of bottom, 4 2
Depth, in fathoms, 20 -9/2 Nature of bottom.
Nature of bottom, Ork. 14
Direction of surface, current, Force of surface current, A. E. X E. // Z.
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,

Instrument used, Taave
Current number of observation, / 0 65.
Date, Mar. 6. 1882
Locality, Cherapeane 12as
Bearings, Cherry tone Lk
E. X N. 2 miles
Time of day, 9 and tide.
State of sky,
Temperature of air, 56
" surface of water, 4 5
" at depth of fathoms,
" of bottom, 46,5
Depth, in fathoms, 25-/2
Nature of bottom, 2 and,
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 position of observer,

Name and rank of commanding officer,

Instrument used, Trace
Current number of observation, 1066
Date, 17627 6.1882
Locality, Chesafocator la
Locality, Cherago care la a Bearings, Cherago thore St.
E. XS. 3 miles.
Time of day, 9, 20 Got tide,
State of sky,
Temperature of air, 56,
" surface of water, 4V
" at depth of fathoms,
" of bottom, 40,
Depth, in fathoms, /2 - 25/2-
Nature of bottom, Sand
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,

Name and position of observer,

Name and rank of commanding officer.

To what service attached,

Company
Instrument used,
Current number of observation, / O 6
Date, May. 6, 1882
Locality, Cherapear
Bearings, Cherrysteric
S. E. X E, 1/4 E.
Time of day, 9, 40 Coffile
State of sky,
Temperature of air, 56,
" surface of water, 45°
at depth of fathoms,
of bottom, 47
Depth, in fathoms, / 2 - 20,
Nature of bottom, Andrew
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,

Instrument used, Frau
Current number of observation. /5 6 8.
Date, Mar. 11, 18 62-
Locality, Charge of the first
Bearings, Kent It Thus 14 &
C. S. W. 14 Cu. 2 min
Time of day, 9,00 Coestide,
State of sky,
Temperature of air, 49
" surface of water, // 2_
" at depth of fathoms,
" of bottom, 4/,
Depth, in fathoms, 14-9
Nature of bottom, 5k. m.
Direction of surface current.
Force of surface current,
Direction of bottom current,
Force of bottom current,

Name and position of observer,

Name and rank of commanding officer.

To what service attached,

Name of vessel,

Instrument used, Frace
Current number of observation, / 0 6
Date, Mar. 11, 18
Deality, Cherapeak Dealings, Kent Id. Thos S. W. 3/4 W. 244
Time of day, 10, 20; of add
State of sky,
Temperature of air, 57.
" surface of water, 42
" at depth of fathoms,
" of bottom, 40
Depth, in fathoms, / 8
Nature of bottom, bR
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,

Instrument used, Fraw
Current number of observation. / O 7.3
Date, Mar. 11, 65.
Locality, Cherapea 12/6 as Bearings C. 1 St. 12/6. Lu. XS, 2 willer
Time of day, 10, 4 5; 64 tide,
State of sky,
Temperature of air,
" surface of water, 42_
at depth of fathoms,
" of bottom, 42
Depth, in fathoms,
Nature of bottom, 6/2 3000
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.

Instrument used, Thereof
Current number of observation, / 0 //
Date, Mar, 11, 1862
Locality.
Bearings.
W. A. W, 12 W, 2
Time of day, //, 2 2; of fide;
State of sky,
Temperature of air,
surface of water, 42
at depth of fathoms,
" of bottom, 40.
Depth, in fathoms, / 4 - / 3.
Nature of bottom, the true,
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.

Instrument used, Roke 15 re Ege
Current number of observation, / C/ 7/ 2
Date. 22 - 11 / 1 8 8 - 2 - 1
Locality, Chercheo he Das
Bearings Rend Service And Andrew
" (w. 214 miles.
Time of day, /2, 12; of tide.
State of sky,
Temperature of air, 50.
" surface of water, 4
at depth of fathoms,
of bottom, 42
Depth, in fathoms,
Nature of bottom, Let.
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,

REMARKS,

Instrument used, Rahabre Oge
Current number of observation. / O 7 3,
Date, Men. 11, 1682
Locality. Checom per per per per
Bearings, Francisco Victor Victory of the X
A LU. & A. 242 m
Time of day, 12, 25; of tide,
State of sky,
Temperature of air, 57
surface of water,
" at depth of fathoms,
" of bottom, 42,
Depth, in fathoms, /3.
Nature of bottom, the the the
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.

1
Instrument used,
Current number of observation. / 0 7 4
Date, Mar, 11, 1882
Locality.
Locality. Bearings,
A. X W. 42 Cu, 43/4
Time of day, /2/0 / Hot lide.
State of sky,
Temperature of air,
" surface of water, 43
at depth of fathoms,
of bottom.
Depth, in fathoms, $/$ \mathcal{E} – $/$ / ,
Nature of bottom, 6/2 in,
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,

Instrument used, Ta a.a.
Instrument used,
Current number of observation, / C 7
Date, Man, 13, 1682
Locality, Chesapeake Bay
Bearings, Saudy Dt, Light,
f x w, 1/4 w, 3/2 m.
Time of day, 9, 45; of father in,
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,
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 position of observer,

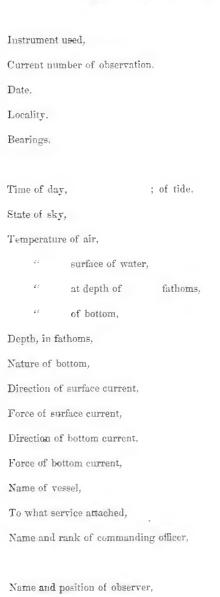
Name and rank of commanding officer.

·
Instrument used, / 1676 / 20 to 1
Current number of observation, / O
Date, Marc, 13, 18
Locality.
Bearings.
Ar in you in a
Time of day, 10,15 For Fide
State of sky,
Temperature of air,
" surface of water, 4-3,
" at depth of fathoms,
" of bottom, 40,
Depth, in fathoms, /5,
Nature of bottom, Charles
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

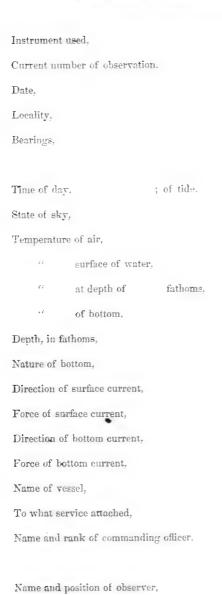
Instrument used,
Current number of observation, / 0 7
Date, May 13, 18 7
Locality, Cherapealo Bearings, Lawry 10/ de
Bearings, Laufy 14 L
Time of day, 10, 5 - Of fide.
State of sky,
Temperature of air, 49
" surface of water, 43
" at depth of fathems,
" of bottom, 40
Depth, in fathoms, //-/2
Nature of bottom, Much
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,

Instrument used, Current number of observation, Date. Locality. Bearings, : of tide. Time of day, 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,

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,



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,



Instrument used, Current number of observation, Date, Locality, Bearings, ; of tide, Time of day, 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 position of observer,

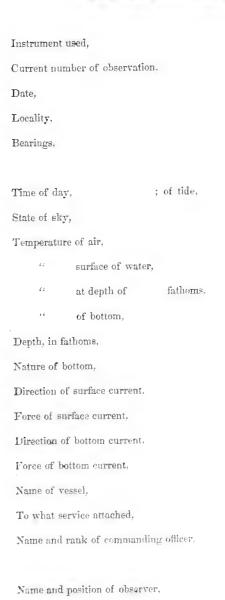
Name and rank of commanding officer,

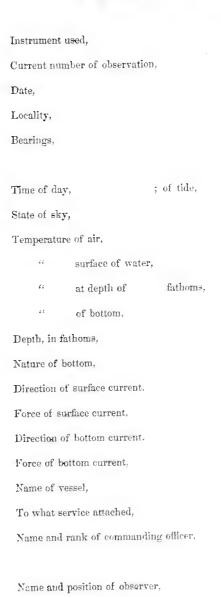
Instrument used. Current number of observation. Date. Locality. Bearings. Time of day, ; of tide. State of sky, Temperature of air, surface of water. at depth of fathoms. of bottom. Depth, in fathoms, Nature of bottom, Direction of surface current. Force of surface current, Direction of bottom current. Force of bottom current. Name of vessel, To what service attached, Name and rank of commanding officer,

Instrument used, Current number of observation. Date. Locality. Bearings. ; of tide. Time of day. 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,

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.

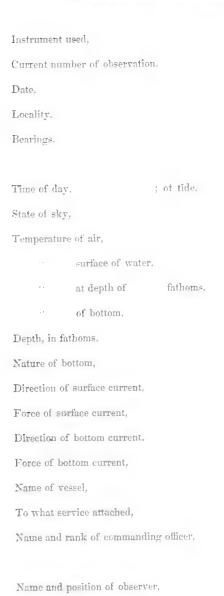
Instrument used, Current number of observation, Date. Locality, Bearings, ; of tide, Time of day, State of sky, Temperature of air, surface of water, at depth of fathoms, of bottom. Depth, in fathoms, Nature of bottom. Direction of surface current, Force of surface current, Direction of bottom current, Force of bottom current. Name of vessel, To what service attached, Name and rank of commanding officer,

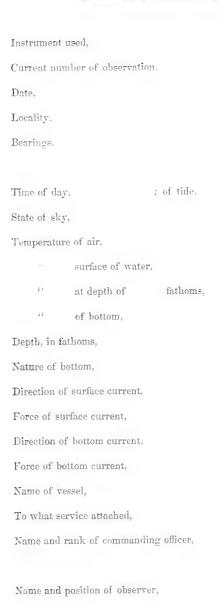




Instrument used. Current number of observation. Date. Locality. Bearings. ; of tide. Time of day. State of sky. Temperature of air, surface of water. at depth of fathoms. of bottom. Depth, in fathoms, Nature of bottom, Direction of surface current. Force of surface current, Direction of bottom current, Force of bottom current, Name of vessel, To what service attached, Name and rank of commanding officer,

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,





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,

Instrument used. Current number of observation. Date. Locality, Bearings, : of tide. Time of day, 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.

Instrument used, Current number of observation, Date. Locality, Bearings, ; of tide. Time of day. 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,

Instrument used. Current number of observation, Date. Locality, Bearings. ; of tide, Time of day, 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,

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 fathems, 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.