1236 -1285

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1236 to 1285

10-25 all Log reg 10, 0 menamsha Bighi

to the exert of In V = 4.1/2 EL 1. Z-2 ding the buye 40.57.3cm 70 - 8 70 58 m laction is -. 10 41 5 7 - 3 3 1248 " " " 318 miles 1887.4.1888

1286 Specimens al since However starfish down there

1237 REMARKS.

The emena Altained Hounders Hack Shell, Lobsters Skate El

	Instrument used, Beeren Land
	Current number of observation, 1282
	Date, Que 30 2 /867
	Locality, Block Esland Sound
	Bearings, Layherse Let Gy de
14	more Land &6 16 5/5 6 Cently hunde Nr 6 4 de
	Time of day, 19 and au; of tide.
	State of sky,
	Temperature of air, 67
	" surface of water, 6 24
	" at depth of fathoms,
	" of bottom, 58
	Depth, in fathoms, 220
	Nature of bottom, Aard
	Direction of surface current Halm
	Force of surface on ren.
	Direction of testion furrent,
	Force of bottom current,
	Name of vessel, 26 & Fish Hawk
	To what service attached, 268 76
	Name and rank of commanding officer, James Alemente

Name and position of observer.

1238 REMARKS.

Determen ablained butter + mokes

ENGINEERING CONTRACTOR

Instrument used, Dardy
Current number of observation, /238
Date, Auf 30 1887
Locality. Block Island Sound
Bearings, Lay Head St BVA 1/8 Ar
My hunde NEXU 18 A- he mane Land & & &
Time of day, 10, 45 am; of tide, W
State of sky, & e
Temperature of air, 65
" surface of water, 64
" at depth of fathoms,
of bottom,
Depth, in fathoms, 20%
Nature of bottom. Sund 4 broken shell
Direction of acrisco current,
Force of surface carrent,
Direction of Laton Farrent, /2
Force of bottom current,
Name of vessel, 26 6 7 7 12h Hawk
To what service anached,
Name and rank of commanding officer should
mate uf 22
Name and position of observer.
John Jan at the
Les marie marie transac
Jardenighter for

1239

Shate Sculpin hack flourders

	Instrument used, Beam Lrawl
	Current number of observation, 1239
	Date, August 30 th 1887
	Locality, Block Laland Sound
	Bearings, Hen + Chicken Light - Ship A 18/4 6
Cull	Tyhunk It No. no mans Land & E / &
	Time of day, //. I of au ; of tide, W
	State of sky, 2-
	Temperature of air, 65
	" surface of water, 42
	" at depth of fathoms,
	of bottom,
	Depth, in fathoms,
	Nature of bottom,
	Direction of success, & W
	Force of surface energy, 2
	Direction of bottom current, /2
	Force of bottom current,
	Name of vessel, 26 6 5 Fish Hawle
	To what service attached, 26 & 76
	Name and rank of commanding officer and former
	Mate No form
	Name and position of observer,
	Julenighten 2
	mate Ufar
	d d

REMARKS.

Specimeno Obtained

Haile Strato & Grobe Jule

Flounders & star Frish

Instrument used, Rean France
Current number of observation, 1245
Date, August 20th 1887
Locality, Block Island Sound
Bearings, Vineyard Same Or Ship Aris ir
head & \$ 8/4 & his man Land 88 6/8 6
Time of day, 12, 44 flue; of tide, W
State of sky,
Temperature of air,
" surface of water, 6 2
" at depth of fathoms,
" of bottom, " G D
Depth, in fathoms,
Nature of bottom,
Direction of surface current,
Force of surface current,
Direction of Striff, A
Force of bottom current,
Name of vessel, US & Fish Hawk
To what service attached, 26 8 76
Name and rank of commanding officer, January & The Market of The Market
_
Name and position of observer, July Low
matilefre

1246 REMARKS.

Spelimeno Oblained Dead shelle Hermis Crabs

Line Conton Openhar

Instrument used, brdgv
Current number of observation, 1246.
Date, Delst 5th 1887
Locality, Fineyand Sound
Bearings, Rishup Helika St & 1/4 t
econesset Sight Ship WXX 3/4 +
Time of day. 10.27 ; of tide.
State of sky, 7-C
Temperature of air, 70
surface of water, 68
" at depth of fathoms,
of bottom, 69,5
Depth, in fathoms, 2/
Nature of bottom, Land byken Shell
Direction of surface current,
Force of surface current.
Direction of Letton Corrent, E&&
Force of bottom current,
Name of vessel, 26 & Fish Hawk
To what service attached, 26 8 7 6
Name and rank of commanding officer Januar Smette
mate 26 - in
Name and position of observer,
El Melora La pran

REMARKS.

Execumens Oblained

Spider Crabo. Horse show crabe

Starfish and dend shows

lin thell +Squid.

	Instrument used, Reason France
	Current number of observation, 12 42
	Date, Sept 5th 1887
	Locality, Vingan Sound
1	Bearings, Rishop + Lelentes St 6/2/
2	ucconsset It Ship W/4 N
	Time of day, 10,50 den; of tide, &
	State of sky, 7-2-
	Temperature of air, 70
	" surface of water, 6 ?
	at depth of fathoms,
	of bottom. 69.
	Depth, in fathoms,
	Nature of bottom, Sand Ashele
	Direction of surface contract, East
	Force of same current,
	Direction of Lating Army 14
	Force of bottom current,
	Name of vessel, 26 & Fish Hawk
	To what service attached, 26 4 46
	Name and rank of commanding officer. Janus Asmush
	the state of
	Name and position of observer,
	The at my flow

12 48 REMARKS.

trace shell trock springs

	Instrument used, Andg V
	Current number of observation, /24
	Date, Bept 5th 1887
	Locality, Vinizard Sound
1	Bearings, Rishop + Celerks Ct 6/2 t
4	ucconsset It Ship W/4 V
	Time of day, /// /6 au; of tide, &
	State of sky, A-C
	Temperature of air, 70
	·· surface of water, 67
	" at depth of fathoms,
	of bottom, C9-5
	Depth, in fathoms, 15.5
	Nature of bottom. Sand shell arcks
	Direction of miles worth
	Force of Stafface current.
	Direction of hottombures. A X & %
	Force of bottom current,
	Name of vessel, 26 & Fish Hawle
	To what service attached, 26 & 76
	Name and rank of commanding officer James Abrauth
	Materific
	Name and position of observer,
	Imlanish ien
	"M. O.F. 71 P. 3.

12 444 REMARKS.

Execus Oblained

Instrument used Andful
Current number of observation, /2 4
Date, Dept 5th 1887
Locality, Vingand Sound
Bearings, My kunis er & X 4/8 4
isp + Cloter Se E/s A Succonsset St Ship W/2
Time of day, //, 54 Wa; of tide, W
State of sky, 2-4
Temperature of air, 70
" surface of water, 67
" at depth of fathoms,
" of bottom, 69,5
Depth, in fathoms,
Nature of bottom, , Sand much Shell
Direction of March, Smith
Force of surface current.
soule a
Direction of Liver way 14
Force of bottom current,
Name of vessel, 26 & Fish Hawkel
To what service attached, Holy 76
Name and rank of commanding officer, James Hornette
Haterifn
Name and position of observer,
mate Ufm

1245 REMARKS. Secureus ablained Winkles - Kernich Crabs a for lin clams and many dead class shelle Keep men & Ell grave a for small fish - Skup and Lin repline

Marking WARRY 18E COME

Instrument used, Beam Lawl
Current number of observation. 1248
Date, Dept 5th 1887
Locality, Of Hoyannis
Bearings Haamis at N 6/4 1.
shop + blanks St-E/S/4 5 levelling Juacon
Time of day, 12,22 Plus of tide. W
State of sky, 2-c
Temperature of air, 68
surface of water, 68
" . at depth of fathoms,
of bottom, 69,5
Depth, in fathoms, 4,5
Nature of bottom. Spaner Shell
Direction of surface current, South
Force of surface current,
Direction of Lating Contract of X 1/2
Force of bottom current,
Name of vessel, It & A Fish Hawle
To what service attached, 26 6 76
Name and rank of commanding officer. James A Smith
Name and position of observer,
June Tire sky
onac nyw

1246 REMARKS. seciones Oblained conclus Horse show crabs

	0 0
	Instrument used, Beam Iname
	Current number of observation, 1246
	Date, Det 50 1887
	Locality, Off Hyannie
,	Bearings, Hayannisat NE/24
20	ellin Reacon A Succonsect So 877 /4 &
	Time of day, 1 Pm; of tide,
	State of sky,
	Temperature of air, 68
	" surface of water, 6 8
	" at depth of fathoms,
	of bottom, 69.5
	Depth, in fathoms, 5-5
	Nature of bottom,
	Direction of surface current,
	Force of surface current,
	Direction of Lotton convent, mx 4/ /2
	Force of bottom current,
	Name of vessel, Hobb Fish Hawk
	To what service attached, 26 & 7 6
	Name and rank of commanding officer
	Male light
	Name and position of observer, Mulania Ton
	My ate uful

becimens Oblained Haile Skate flounders & shells hea un chims Pretens,

TEMPERATURE RESORD.
Instrument used, Seam Land
Current number of observation, 12 47
Date, Delpi-6- 1887
Locality, South of Marthew Vineyard 25
Begrings, Lat 41 00 45 Lon 71 00 05"
Time of day, 9, 49, and; of tide,
State of sky,
Temperature of air,
" surface of water, 65
" at depth of 15 fathoms, 62
of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface current,
Force of surface current 4
Direction of hottom current NE/24 3/8
Force of bottom current,
Name of vessel, Hold & Fish Hawk
To what service attached, 60 76
Name of vessel, 26 8 76 Name and rank of commanding officer amount of the later 26 free free free free free free free fre
Name and position of observer
Internation.
mating

Specimens Oblained Lorse Jish Hornders Pictims Haik, Gillow Sponger, Sear Robbins Soud dollars.

Instrument used, Beam Frank
Current number of observation, 12 4 8
Date, Sept 6th 1887
Locality, Smith of Martheo's Vineyard
Bearings, / mile of XE of East marine, 24
h41.0200 How 71.00:00
Time of day, 10. 3 9 differ tide.
State of sky, &-e
Temperature of air, 68
" surface of water, 64
" at depth of 15 fathems, 63
" of bottom, 33
Depth, in fathoms, 26,5
Nature of bottom, - 1 Gard
Direction of surface current.
Force of surface current
Direction of hottom out the AE/2 A 3/8
Force of bottom current,
Name of vessel, & & Fish Hawk
To what service attached, 26 8 7 6
Name and rank of commanding officer, January
Maturfre
Name and position of observer,
Imlenghten
mote 26 Ch

Skeicemens Atlained Skate Esculpin

1.090-3100-856080

Instrument used, Beam Transl
Current number of observation. 12 49
Date, Dept 6 1887
Locality, Sunth of martha? Vinegard 29 miles
Bearings, 2 miles Jr X & at Last having 2 2 200 Last 41 0 4,00 Lon 70 59.30"
Time of day, 11.2 9 and of tide.
State of sky, &-e-
Temperature of air, 67
" surface of water, 64
at depth of 12 fathoms, 63
of bottom,
Depth, in fathoms, 22, 5
Nature of bottom,
Direction of surface pured of w
Force of surface current
Direction of Lotton current 4 8/24 3/8
Force of bottom current,
Name of vessel, US & Fish Hawk
To what service attached, 26876
Name and rank of commanding officer.
My ateryru-
Name and position of observer, Intering heter
mate 4 fr

REMARKS.

Skiecemens Oblained

Hornders sand dollared

Shell Haik Laulkin

Instrument used, Beam Land
Current number of observation, LJD
Date, Sept 6 1887
Locality, Double of martha Viney and
Bearings, 2 miles AX 6 of last bearing
Lah 41 06.00 Lon 70 59,15"
Time of day, 12. 21 Mes; of tide.
State of sky, Cloudy
Temperature of air, 6 7
" surface of water, 64
" at depth of 10 fathoms, 65
of bottom, & 8. J
Depth, in fathoms, 20.0
Nature of bottom, Nature of bottom,
Direction of surface current;
Force of sures of third of
Direction of bottom converge A 6/2 4
Name of vessel, 2665 Fish Hawk
To what service attached,
Name and rank of commanding officer, James Home to
Name and rank of commanding officer, some of the life was a superior of the
Name and position of observer,
materfu

1251 Skecimens Ablained Haik Hounder Sculpin

protession accoun

Instrument used, Blan Land
Current number of observation, 1254
Date, Delet 6# 1887
Bearings, 4 miles At & of last bearings
Bearings, 4 miles At & & flat bearings
lah 41.10.00" Low 70.59.15"
Time of day, 1. 3 6 Relue; of tide.
State of sky,
Temperature of air, 67
surface of water, 64
" at depth of 10 fathoms, 62
" of bottom, 60
Depth, in fathoms, / 7
Nature of bottom, Sand
Direction of surface current,
Force of surface current,
Direction of Memorrant. NE/2N 1/8
Force of bottom current,
Name of vessel, It & Jish Hawk
To what service attached, 26 8 7 6
Name and rank of commanding officer flenes to me the
Name and rank of commanding officer fames of the Material Inc.
Name and position of observer,
March of I

mate ufin

1252 REMARKS. Specimens Ablained Starfish Skate Hounder Sand Crabs

Instrument used, Beam Lynne
Current number of observation, 1252
Date, Aug 20" 1888
Locality, menembas Ryhe
Bearings, Layrend Wt & 3/4 W
baulin line Ax E / E Zincks Hole North
Time of day, 1050; of tide, East
State of sky, Ve
Temperature of air, 69
" surface of water, & 5
at depth of fathoms,
" of bottom, 63
Depth, in fathoms, / B
Nature of bottom, , Sand
Direction of surface current.
Force of surface oursens of Stripes of Section of Secti
DICORAL OF THE PARTY OF THE PAR
Name of vessel, & & & Fish Hauth
Name of vessel, 2000 0 1 2 6
To what service attached, 26 & 7 6 Name and rank of commanding officer sames formula
Name and rank of commanding officer for the last of the
Name and position of observer,
muter from
111111111111111111111111111111111111111

Specimens Oblainesh Sand dollars concho Humders Staate Sand Casche, Kelp

/
Instrument used, Beau Low
Current number of observation, 1253
Date, My 23" 1888
Locality, menemotia Bight
Bearings, Turpenelin Control &
There Work, Linches Hole At Am
Time of day, 11.05 au ; of tide, Ecost
State of sky, Le
Temperature of air, 69
" surface of water, &4
" at depth of fathoms,
" of bottom, 63
Depth, in fathoms,
Nature of bottom, Direction of surface current,
Force of surface corrects 4
Direction of better some show 1/4
Force of bottom current.
Name of vessel, Do & Fish Hawle
To what service attached, 26 6 7 6
Name and rank of commanding officer, James Abmith
acquelly m
Name and position of observer,
Juling hter
mate Mg 22

1254 REMARKS. Lesbeter orales den Robins shate Fernders & colos keep

	Instrument used, Beaun Laul
	Current number of observation, 1204
	Date, august 23: 1888
	Locality, Merumaha Bight
	Bearings, Landaulin level of it & 1/4 &
27.12	head mx & Quicker Harle + x m3/4 m
-	Time of day, //, 23 ; of tide. East
	State of sky, &-
	Temperature of air, 6 f. 6
	" surface of water, 64,4
	" at depth of fathoms,
	of bottom, 43
	Depth, in fathoms,
	Nature of bottom,
	Direction of surface current,
	Force of surface current,
	Direction of hottom comment. ANY
	Force of bottom current.
	Name of vessel, 26 & Fish Hawle
	To what service attached, 26 & 76
	Name and rank of commanding officer, Samuel Smith
	Name and position of observer.
	matinfor.

1255 REMARKS. Skecemens Oblained Kelp Skale Clum shells Houndere Skid + 2995

United to temper

Instrument used, Beam Land
Current number of observation, /2
Date, Quest 23" 1888
Locality, Frenemska Bight
Bearings Tarkandin Com A & E
ughead mx 1 9/4 Luchs Hole A + m/4 W
Time of day, //14 5 ; of tide, East
State of sky, 2-c-
Temperature of air, 68.5
" surface of water, 65
at depth of fathoms,
of bottom, 63
Depth, in fathoms.
Nature of bottom. Sauce
One ' all
Direction of wife our on the Mind
Force of surface current,
Direction of Action Convent.
Direction of scattern current.
Force of bottom current,
Name of vessel, 26 & Fish Hawk
To what service attached, Lo 876
Name and rank of commanding officer James Abmitte
male the from
Name and position of observer,
Julinighten mate ng n
mate non
6

1256 REMARKS.

Specimens Oblained

Ι	instrument used, Alnagal
(Current number of observation, 1216
I	Date, Guy 23" 1888
_ I	Locality, Vineyand Sound
F	Bearings, West end ho mane land 3 /4 &
ing	and St St Shife Am. Gayhead SEXS/4 &
	Time of day, 12.36 Kee ; of tide. Cust
2	State of sky, be
_ 3	Temperature of air, 62
	" surface of water, 644
	" at depth of fathoms,
	" of bottom, 6/
Ι	Depth, in fathoms, 16
2	Nature of bottom, , Seemed Iroken Chelle
]	Direction of surface courses, of m
]	Force of surface current,
1	Direction of Live Ex N
]	Force of bottom current,
3	Name of vessel, Ho & & Fish Hawle
,	To what service attached, & & 76
	Name and rank of commanding officer. Januar Smite
	Name and position of observer.

REMARKS.

Secemeno Obtrinech Kele Rock sponge, Skuto Sand Adlane, Cumoners

	3 3
	Instrument used, Beam Frank
	Current number of observation. 1257
	Date, Our 23" 1888
	Locality, Vineyand Serend
	Bearings, Vineyand & Ship A+m'/2 m
ecli	Ty hunde or x m/s w Gaghead SE3/4 &
	Time of day, 1. 08 Plan; of tide, East
	State of sky, &-C-
	Temperature of air, 64
	" surface of water, 6 4
	" at depth of fathoms,
	" of bottom,
	Depth, in fathoms,
	Nature of bottom, Sand broken about
	Direction of surface ourset
	Force of Minet
	Direction of bottom current, SALE 1/8
	Force of bottom current,
	Name of vessel, 26 & Fish Hawk
	To what service attached, 26 & 76
	Name and rank of commanding officer James Homeste Mate Ufu
	Name and position of observer.

11 10 100

1258 REMARKS. commen aplained

COMMONSTRUCTURE

Instrument used, Rear Irawl
Current number of observation. /258
Date, Oug 23 * 88
Locality, Vineyand Sound
Bearings, Vineyand St Ship many
Mythente NAW/ON Bayhead & E/8 E
Time of day, 1,2 6 Re; of tide, West
State of sky,
Temperature of air, 63,5
" surface of water. 64
" at depth of fathoms,
" of bottom, J
Depth, in fathoms, /5, 5
Nature of bottom, Saul
Direction of surface anneart,
Force of springer correct
Direction of Lawrence AXE 3/8
Force of bottom current,
Name of vessel, 26 6 7 12h Hawle
To what service attached, 26 476
Name and rank of commanding officer Januar Admin the
Name and position of observer

1259 Delin spings skate Hounders Kelp Haile

LEMEROVINIT-DECORD

I	nstrument used, Beau Frank
0	Current number of observation. /2 J 9
Ι	Date, Guç 23" 88"
I	ocality, Vineyard Sound
I	grund Stip re Eaghend EM &
12	yhunk Styre Eaghend Et &
Т	ime of day, 2 Run ; of tide, Elder mil
S	tate of sky, & C
	emperature of air, 6415
	" surface of water, 64,5
	" at depth of fathoms,
	" of bottom, 5-8,5
1	Depth, in fathoms,
N	Nature of bottom, Saud
I	Direction of surprise word
F	Force of surface 3
1	Direction of Strike, NEXN //4
Ī	orce of bottom current,
	vame of vessel, 265 Fish Hawk
7	To what service attached, USF-6
15	Name and rank of commanding officer,

Name and position of observer, Ambanighton maintefin

1260 REMARKS.

Specimens Oblained

	Instrument used, Lendy
	Current number of observation, 1260
	Date, Que 23" 88
	Locality, Vineyan Isund
	Bearings, Vineyand de Ship rx 1-1/2 1
1	Bearings,
July 1	uty hunk A + & Lay head 6 8/1 &
	Time of day, 2,30 Rew; of tide, West
	State of sky, & e
	Temperature of air, 65
	" surface of water, 6 4
	" at depth of fathoms,
	of bottom, 60
	Depth, in fathoms, 16
	Nature of bottom, Sauch mud & broken whell
	Direction of Special West
	Force of market 3
	Direction of Drift WSW 1/4
	Force of hetters current
	Name of vessel, US & Fish Hank
	To what service attached, 6576
	Name and rank of commanding officer,

Name and position of observer, Ambanyalians

1261 REMARKS.

Skelimens Oblained Holk

Instrument used, Bereige hawl
*
Current number of observation, /26/
Date, Dupust 2 3° 88
Locality, Vineyand Evend
Bearings, Vinegard Ot Ship AWXW 3/4
Myhunk EXA 1/4 A Gayhead NE/8
Time of day, 3,06 Re; of tide. West
State of sky, Ze
Temperature of air. 6415
" surface of water, 65
" at depth of fathoms,
of bottom,
Depth. in fathoms, 14.5
Nature of bottom. Shud
Direction of surface week week
Force of species current,
Direction of Lawrence J. E.
Force of bottom current,
Name of vessel, 26 & Fish Hawle
To what service attached, 26 8 76
Name and rank of commanding officer,
Name and position of observer
menighten
materifus

1262 REMARKS. Specimen Oblained Rock offer Cuffler Musselo Skuid Scallage Scup Sen Robbins Spate, Spider Orpho

SEMPET A HITTER LEGOND

Instrument used, Blance Track
Current number of observation, 1262
Date, Aug 28' 88
Locality, of Falmento Vineyard Gerens
Bearings, Falmenthe Keights r E78 6
shoult Nor 45/46 Wat Chop LENO 566786
Time of day, 10,14 am; of tide. East
State of sky,
Temperature of air, 65
" surface of water, 6 7
" at depth of fathoms,
of bottom, 68
Depth, in fathoms.
Nature of bottom. Sandy
Direction of surface current,
Force of surface current,
Direction of Letters current, A-EXE 178
Force of bottom current,
Name of vessel, 26 876 Str Finh Family
To what service attached, 26 8 76
Name and rank of commanding officer
mille 464
Name and position of observer.
Menghion
mule Us & s

1263 REMARKS. Segemen allained

Instrument used, Bean Land
Current number of observation, 12 & 3
Date, Aug 28' 88
Locality, Of Falmento Viney and Onuce
Bearings, Falmonte Keights N & 578 X
skadetto mys/48 mitchop 8848/48
Time of day, 10, 2 Am; of tide. East
State of sky, 2-C
Temperature of air.
" surface of water, 6 7
" at depth of fathoms,
·· of bottom, 67
Depth, in fathoms,
Nature of bottom. Sand
Direction of surface current.
Force of surface current,
Direction of housemanners, NEXN 1/2
Force of bottom current.
Name of vessel, to & & Fish Heink
To what service attached, 46 7 7 6
Name and rank of commanding officer
Name and rank of commanding officer,
· ·
Name and position of observer,
mate When
and the same of th

Specemens Alainel Klean shell starfish den Undon Scollups flat fish znag esup Rock sprags sea wild & Ell grass

Instrument used, Bearn Iname
Current number of observation, /264
Date, Aug 28° 88
Locality, Off Falmonthe Vineyond Sound
Bearings, Falmoute Heights or 46/2 &
hade to 13/4 S. new Chop Letto SYC3/FE
Time of day, 10 48 day; of tide. Comme
State of sky,
Temperature of air, 6 &
" surface of water, 67
" at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom, , Saud.
Direction of authority
Force of Missey,
Direction of Litton Courses. NEXE 1/8
Force of bottom current,
Name of vessel, 26 b the Fish Hawk
To what service attached, 26 17 6
Name and rank of commanding officer,
matile for
Name and position of observer,
Indereghlar meter fr

Alexel shell fand Crabe Hermit Crabs
Rock springe Sel grave

Instrument used, Beam Frank
Current number of observation. 1265
Date, Aug 28° 88
Locality, Of Falmon To Vineyard Sunde
Bearings, Inst charp SX6/48
baku St W78 K. Eart Chop St 821/48
Time of day, //, 0 4 ; of tide. East
State of sky,
Temperature of air. 66
" surface of water, 67
" at depth of fathoms,
" of bottom, 68
Depth, in fathoms. / B
Nature of bottom, Sand
Direction of surface current,
Force of surface current,
Direction of Change NE 1/8
Force of bottom current,
Name of vessel, le & M. Fish House
To what service attached, & & 7 to
Name and rank of commanding officer,
Materefra
Name and position of observer,
Imberufatur
The ate reform

1266 REMARKS.

Lines Chames africa Crabo, Land Crabo Scallagor

Instrument used, Beam Fawl	
Current number of observation. 1266	
Date, Aug 28" 88	
Locality De Hydronia Vineyand Sound	
Bearings, Successmensel St Ship mxx/s	
Miss Reacon 17/8 E Bishop + Clark St A & & E/4	És.
Time of day 12,14 he; of tide. East	
State of sky, & C	
Temperature of air, 67	
" surface of water, 70	
" at depth of fathoms,	
of bottom, 69.5	
Depth, in fathoms, 16,5	
Nature of bottom, And	
Direction of The Direct	
Force of surface turners,	
Direction of hottomouseurs N &	
Force of bottom current,	
Name of vessel, & A. Jish Ho and	
To what service attached, 2 176	1
Name and rank of commanding officer	,
meter lefter	
Name and position of observer	
Indeniphlan	

Apecanen ablainese.

LEMMAN PRO - U E CO O O III

Instrument used, Andfel
Current number of observation. 1267
Date. Mut 26 88 Vinegar Sonnel
Bearings. Dillennessell Storip W 15
liens Rencon NE/8t. Rinkop + Colodo De NE XE/4
Time of day, /2,45 Plan ; of tide, Erra
State of sky,
Temperature of air, 66
surface of water, 69
at depth of fathoms,
of bottom, 69
Depth, in fathoms,
Nature of bottom, Skull Worksen chell
Direction of surface current,
Force of surface current,
Direction of Louisin current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of commanding officer
Name and position of observer Internetion

100 608 REMARKS. Stillenews Plained fider crabs. Sea mo

chapter and a security

	Instrument used, Bearn Iranl
	Current number of observation. 1268
	Date, Aug 28" F8
	Locality Of Hyanonis Vineyand Smend
	Bearings Ducconnecette de Ship West /2h
est	liers Benen A X 8/2 to Bishops telastes It N E X & 1/2
	Time of day, 12,55 plan ; of tide, Gast
	State of sky, 2
	Temperature of air,
	" surface of water, 61
	" at depth of fathoms,
	" of bottom, 69
	Depth, in fathoms, 17
	Nature of bottom,
	Direction of surface current,
	Force of Surface ourrent,
	Direction of bottom current, NEY A
	Force of bottom current, Name of vessel,
	Name of vessel,
	To what service attached, 26 5 7 6
	Name and rank of commanding officer farmers & branches
	0
	Name and position of observer,
	Indentition
	0

1269
REMARKS.
Specemeno Mained
Shelio sand

Instrument used, Dredge
Current humber of observation, /269
Date,
Date,
Locality, Of Hyanonia Venezar Formed
Bearings, Euclonmenuel Let Ship North /s
lies Reaconstro. Bihop + Celarlett NEXE14 &
Time of day, 1, 18 Rea ; of tide, Ease
State of sky,
Temperature of air, & 4
" surface of water, 68.5
" at depth of fathoms,
" of bottom, 69
Depth, in fathoms, 13.
Nature of bottom,
Direction of surface current,
Force of winder current,
Direction of bottout current
Force of bottom current,
Name of vessel,
Name and rank of commanding officer.
Name and position of observer,
Great defendance
To Other Militarian

1270 REMARKS.

spise crate, labordes. Sem more, grung acup de su shells

A Francisco HEATING ALEGINAL

0 1
Instrument used, Beau hawl
Current number of observation, /270
Date, Aug 28" 88
Locality, Of Myannie Vinger Soul
Bearings Ducconnessate Let Ship Warren
iens Reacon 1×676 & Bishop Helashodt NE14 ch
Time of day, 1.44 Ren; of tide. Earl
State of sky, Claudy
Temperature of air,
" surface of water, 68
" at depth of fathoms,
of bottom, 69
Depth, in fathoms, /3
Nature of bottom,
Direction of market current, Ar
Force of surface current,
Direction of bottom current, SEX W
Force of bottom current,
Name of vessel, & Str. Fish Breul
To what service attached, 26 1 7 6
Name and rank of commanding officer, James & Smith
mule you
Name and position of observer.
Indenighlan materifa
made upn

1271 REMARKS. Spiller Crake musela & shelle che weed +Spongo

Instrument used, Beau Travel
Current number of observation, /27/
Date, Aug 28' 88
Locality, Of Hoyamin Vinigan Sound
Bearings Ducconnessett Let Chip Ar/ 1 m
iers Reacon, N4 8 9/ 8 6. Birhop 4 Blandwat NE X 6 3/4
Time of day, 2.10 Plus; of tide, East
State of sky, Clausty
Temperature of air. 64
" surface of water, 68.
" at depth of fathoms,
" of bottom, 68
Depth, in fathoms, /O
Nature of bottom.
Direction of surface current, Am
Force of surface courses.
10 0/ 0 =
Direction of bottom carrent. EX
Force of bottom current,
Name of vessel, to & Sty Fish Heweld
To what service attached, 26 1 76
Name and rank of commanding officer, James A. Smith
materyn
Name and position of observer,

Hat fish skate starfish Retin Hong scupe emsho ken Rolling

Instrument used, Beam Frank
Current number of observation, 1272
Date, Deept 3" 88
Locality, meneguesha Brief Vineyand Smuse
Bearings, Lay head miles
do Hole 1/22 Tapaulin Cort 1-8/2 1
Time of day, 10.5%; of tide, Frut
State of sky,
Temperature of air, 68
" surface of water, & &
at depth of fathoms,
of bottom, 6, 4
Depth, in fathoms,
Nature of bottom, Fand
Direction of surface coursent, SE
Force of surface convent,
Direction of Later convent. 1 18 may 1/8
Force of bottom current,
Name of vessel, both Tick of yould
To what service attached, & 176
Name and rank of commanding officer
Frank Hy
Name and position of observer.
Office and the second

Same 201472

Instrument used, Blann Frank
Current number of observation, 1273
Date, Befet 3" 88
Locality, Menemisha Right Vingend Smud
Bearings San Head W 788
the Arle A/8m Japanlin Con CATATE
Time of day, 11, 15 am; of tide, mest
State of sky, Le
Temperature of air, 68
surface of water, 67,5
" at depth of fathoms,
of bottom. 6 🗸
Depth, in fathoms,
Nature of bottom,
Direction of curface current & &
Force of surface.
Direction of Landen w/2 8 may 1/8
Force of bottom current,
Name of vessel, 26 8 Att Fish Hawla
To what service attached, % & 7-6
Name and rank of commanding officer
The sale of a
Name and position of observer,
Janlenghlo
mate reform

1274 REMARKS. Leobsten Eleate dea Roblins Things acup

Instrument used, Beam Limble
Current number of observation. 1274
Date, Defec 3. 88
Locality, monemaka Bife Vinegal Sound
Bearings, Jankerds hr 78 Jr
des Hole Sofar Jarpanlin Good + X & 7/8 &
Time of day. //, 35 an ; of tide. Dest
State_of sky,
Temperature of air, 68
surface of water, 661
·· at depth of fathoms,
of bottom, 64,5
Depth, in fathoms,
Nature of bottom, Sunch
Direction of surface surrent, & &
Force of surface current,
Direction of Internation mile 5 mag 1/8
Force of bottom current,
Name of vessel, US In Fish Agrach
To what service attached, & J76
Name and rank of commanding officer.
"Get Hen
Name and position of observer.
The truly

Speamen Mained Same as 1274

,
Instrument used, Beam Frank
Current number of observation, /2/J
Date, Sept 8" 88
Locality. Thenemetha Bight Tinegend Sound
Bearings, Eaghers W784
to Hole 4 x re/s re Japanlin bur J+ x 6/4 &
Time of day, 1/14. Jour : of tide. Vocal
State of sky, &-
Temperature of air. 68
" surface of water, 69
at depth of fathoms,
·· of bottom, 64,5
Depth, in fathoms,
Nature of bottom, Land
Direction of surface current, & &
Force of surface current,
Direction of Laute courses, Ir S w may 18
Force of bottom current,
Name of vessel. 26 8 St. Fish Hounts
manda amina arrached 16 st + 6
Name and rank of commanding officer
male 14"
Name and position of observer.

1276 REMARKS. and dullara Jum Sur.

TEM ENATORE RESOLUTION
Instrument used, Shirter Rake Andy
Current number of observation, 1276
Date, Sept 3" 88
Locality, Vinen and Sound
Bearings, Esphead & m /4 m
refared St Ship W Ser Tarpaulin Cord STE78 A
Time of day, 12.27 Ren; of tide, Wast
State of sky,
Temperature of air. 68
" surface of water, 67
" at depth of fathoms,
of bottom, Gly 12
Depth, in fathoms, //. 5
Nature of bottom, Sull & Mud
Direction of surface current
Force of surface ourrent,
Direction of bottom current. West 1/2 8 may 1/8
Force of bottom current,
Name of vessel, No A Str. Fish Home ha
To what service attached, 26 26
Name and rank of commanding officer, Threate ity
Name and position of observer,
materyon

1277 REMARKS.

Hardoy Louis Magazine

	0: - 3
	Instrument used, Wherter Rake Windy
	Current number of observation,/277
	Date, Sept 3" 88
	Locality, Vinegard Sound
	Bearings. Tarpeulin Bent NEX+/8+
d	Bearings. Tarkeulin Bend NEX + 1/8 +
P	Time of day, 12,4 & Ren; of tide, ment
	State of sky, 2-
	Temperature of air, 98
	" surface of water, 60
	" at depth of fathoms,
	" of bottom, & 4
	Depth, in fathoms, 12
	Nature of bottom, Seurel Fred
	Direction of surface current & W
	Force of surface our 2
	Direction of bottom correne with hay "14
	Force of bottom current,
	Name of vessel,
	To what service attached,
	Name and rank of commanding officer. James He mis
	mate you
	Name and position of observer, Melinigh in

1278 REMARKS. David Bullars Skate flat john Scallage, Herromit Grates

1279 REMARKS. Specimens altained Lough Avenue, Rection for fish Renge Dea Robbins, Hermid Makes Work, Kelfe Lea Undrino

~ 4
Instrument used, Beau Frank
Current number of observation, 1279
Date, pelot 3° 88
Locality. Vineyant Sound
Bearings, Tingan at Ship WAY
paulin Cart A Ex A Gay head & 1 /8 8
Time of day, 1-5 4; of tide, Treet
State of sky, &-
Temperature of air, 67
" surface of water, 45
" at depth of fathoms,
of bottom, 64
Depth, in fathoms,
Nature of bottom, Sound
Direction of surface current, S &
Force of surface current
Direction of business, 2r'/2 & may 1/8
Force of bottom current,
Name of vessel, 26 & Str. Finh Hank
To what service attached, 26 K 7-6
Name and rank of commanding officer.
Mains and rang or communicing concess

Name and position of observer,

1280 Sauch dollars, Stur Jich, Pectins Son Robbins. Lea reaching Harmit Gabe Sand crabe Plat fish, Sea Raven

0 4.
Instrument ased, Racer Traces
Current number of observation. /2 8 6
Date, 22 8 88
Locality, Vineyant Smul
Bearings Images Sto Ship Mrx my ym
parlie Con AE/45 Fagreal SW/48
Time of day, 2.10 Rem; of tide, East
State of sky, b-c
Temperature of air.
" surface of water, 69
" at depth of fathoms,
of bottom. 63
Depth, in fathoms, 16
Nature of bottom, Sand shell
Direction of surface current
Force of Strange current, Exp /8 mag /8
Direction of Lations corrent, Triber Mag
Force of bottom current,
Name of vessel, 26 & the Fish Hawle
To what service attached, 26 176
Name and rank of commanding officer ames of mills
Name and rank of commanding officer James of Smith
ar 4 1 07 C 3
Name and position of observer,
En ate I fr

1281 REMARKS. JENKISVII ME HECOMIT

Instrument used, Bearn Frank
Current number of observation, 1281
Date, Sefec 5 88
Locality, Vinyard Smull
Bearings, Arbaka It Start W/2 m
thop S'/4 m East lebrop SX 6 1/4 E
Time of day, 2,40 Ru; of tide, West
State of sky,
Temperature of air, 70
" surface of water, 69
" at depth of fathoms,
of bottom, 78
Depth, in fathoms,
Nature of bottom, Jane
Direction of environment, & h
Force of surface current,
Direction of better Sim x may 1/8
Force of bottom current,
Name of vessel, 26 D Atr Fish Heavel
To what service attached, 26 6 7 6
Name and rank of commanding officer, Three A Junta
Name and rank of commanding officer, January of Junior
Name and position of observer,
Joneman

REMARKS. Sand landa Les Robbin Skider Crabo, Kelp, Dea Shells,

\wedge
Instrument used, Beaun Trans
Current number of observation, /282
Date, Sept 500 88
Locality, Viney and Sound
Bearings, Notatea m 1/4 M
think 85/2 maint likely 8 XE1/8 &
Time of day, 3 Plu ; of tide, wast
State of sky,
Temperature of air, 70
" surface of water, 6 7
" at depth of fathoms,
" of bottom, 68
Depth, in fathoms,
Nature of bottom,
Direction of surface current
Force of surface ourrent,
Direction of Lotton current, 8 mxw mag 1/8
Force of bottom current,
Name of vessel, & b dir Fish Hawke
To what service attached, U. 1. 76
Name and rank of commanding officer. James Alemach
mate Volu

Name and position of observer,

REMARKS. Skelimen Aplained Senche Crabe, Harrie Crabe Sease shell to Star fish

Instrument used, Beam Frank
Current number of observation, 128
Date, Left 5" 88
Locality, Vineyand Sound
Bearings, Artska W/85
et lehop 3 m/4 S East lehop 8 x m/4
Time of day, 3,38 Rue; of tide, ment
State of sky, &c_
Temperature of air, 6 /
" surface of water, 69
" at depth of fathoms,
" of bottom, 6 9
Depth, in fathoms, 13
Nature of bottom, Sand
Direction of surface current,
Force of surface surrent,
Direction of Lotton Coursent, SEXE 3/8 2 48
Force of bottom current,
Name of vessel, led Eli Fish Hawk
To what service attached, 26 & 7 &
Name and rank of commanding officer, James Africk
matingra
Name and position of observer,
Imlenezhion
mate Ufw

1284 REMARKS.

Instrument used, Reward Frank
Current number of observation, 128
Date, Sape 5" 88
Locality, Tringent Sound
Bearings, Mulska w/81
though Sr East lehope Srx81/28
Time of day, 410) Plu ; of tide, made
State of sky, L-c
Temperature of air, 68
" surface of water, 69
" at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of Annales current, & Sr &
Force of surface current,
Direction of bottom with May 1/4
Force of bottom current,
Name of vessel, Soloto Fish Hank
To what service attached, & & # 16
Name and rank of commanding officer, James Some
Name and rank of commanding officer, James Somete
Name and position of observer, Andenighten
Amdenighten
mate reform

1285 REMARKS. Spider Craba Springe der Under

	Instrument used, Ream Frank
	Current number of observation, 12,8
	Date, Sept 5" 88
	Locality, Vineyand Strend
	Bearings, Tarkaulin Core Mr X 8 1/8 S
þ	head 8 m/8 m mat lehop 68/88
	Time of day, 5 Keen; of tide, Earl
	State of sky,
	Temperature of air, 69
	" _ surface of water, 6 8
	" at depth of fathoms,
	" of bottom,
	Depth, in fathoms, /2
	Nature of bottom,
	Direction of American, & A &
	Force of surface current,
	Direction of Latternant, I may we may
	Force of bottom current,
	Name of vessel, & & Att Link Manches
	To what service attached, & A A
	Name and rank of commanding officer,
	Name and rank of commanding officer, January
	Name and position of observer,
	01. 1 112

REMARKS.

Lochips 893m By Relation N. 76. E 6 Beach of 55.6 Ships head AN EXNE 1276 Lung Head 949 2 7 Josephulin land N40= 6 Le gaylusde - 13 - Org 28"