

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1286 to 1335



1286 Specimens Oblained Shotis Heat Jish. Lea Riobbins leanthe Stanfish. Hermie crabs

Instrument used, Bland Frank
Current number of observation, 1286
Date, Like 6" 88
Locality, Meneny she Bright Viney and Some
Bearings, Layhead W/88 Quicke Hole Not
aparlino levr NAE/4 &
Time of day, //122 Russ ; of tide. Fresh
State of sky, be
Temperature of air, & §
" surface of water, 63
" at depth of fathoms,
" of bottom, & 3
Depth, in fathoms, 9
Nature of bottom,
Direction of surface current, North
Force of surface operant.
Force of surface current,
Direction of Latin Current, & X & /2 & mag 18
Force of bottom current,
Name of vessel, It for Fish Hawle
To what service attached, 26676
Name and rank of commanding officer, Januar & Smith
- mutilifus
Name and position of observer,
And position of observer
materifor-
y .

Lobster Hat Jich Letter. Dea Robbins Harfish Hermil ands

Instrument used, Beaue Frank
Current number of observation, /287
Date, Sept 6" 88
Locality, Menumber Bight Ting and Dormed
Bearings, Eaghand Wing Shuidskale NXW 78
Torpaulin Com rx 83/48
Time of day, 11, 3 Jan; of tide. Wast
State of sky,
Temperature of air.
surface of water, 6
" at depth of fathoms,
" of bottom, 63
Depth, in fathoms, 8.
Nature of bottom. , Sand
Direction of surface current,
Force of surface current,
Direction of bottom current, SEXE/2 6 may 18
Force of bottom current.
Name of vessel, Ib & Atr Fish Hawle
To what service attached, Cod 7-6
Name and rank of commanding officer, while A Similar
mate Uf in
Name and position of observer,
Asine and position of observe.
male reform
131.00

1588 Strate Hut fish sea Rubbins Concho star fish inny scup

Instrument used, Ream Lawl
Current number of observation, /2 88
Date Lehet 6" 88"
Locality, Frenemicha Berte Vinegard Somme
Bearings, Enghant by & Euchstrale som
Tarpaulin levr r & 3/4 &
Time of day, // 5 day; of tide, Want
State of sky,
Temperature of air, 62
" surface of water, 65
at depth of fathoms,
" of bottom, 63
Depth, in fathoms,
Nature of bottom, Sand
Direction of surface current, Ante
Force of surface current;
Direction of bottom current, or or we
Direction of bottom surrent, JF JF FF
Force of bottom current,
Name of vessel, White Fish Hawk
m 1 26 1 5 5
Name and rank of commanding officer James & Bonnata
mate up.
,
Name and position of observer,
Gusta Ithra
house milking

Specimens Oblained Winkles / Star Jish. Ragor fish shell. Seallof shell, Winkle spann Chello, King Orabs

Instrument used, Wysler Mere dy
Current number of observation. 1289
Date, Sept 13
Locality, Norral amete Ben,
Bearings, Committee Stato AN6 48 6
wick de Drips Allen Roch bracon 6/2 4
Time of day, 9,55 and of tide. From 1 do
State of sky,
Temperature of air,
surface of water.
at depth of fathoms,
of bottom,
Depth, in fathoms, 2,5
Nature of bottom, Tay Level
Direction of surface current, W 8 W
Force of surface current,
Direction of batton current
Force of bottom current,
Name of vessel, It She fish Howled
To what service attached, 26 1 7 6
Name and rank of commanding officer farmer 2 from to
Name and rank of commanding omcer.
Name and position of observer,
plintene johan
Frate 24 / France

Checimens ablained

(D) 10 11
Instrument used, Ogslan Klassiff
Current number of observation.
Date Assert Bay Cefet 13
Locality, Adams Christell Berry
Bearings Committee to AXETY &
marche de - 8 rr pare Allino Rock bralow 64 h /14.
Time of day, 10.10 Dis ; of tide. Flore
State of sky, VC
Temperature of air. 70
" surface of water,
" at depth of fathoms,
" of bottom. 67
Depth, in fathoms,
Nature of bottom, Freed
Direction of markes current, WSW
Force of surface aurent, 2
Direction of bottom current.
Force of bottom current.
Name of vessel, I have first frank
To what service attached, 26 17-26
Name and rank of commanding officer,
Grate of m
Name and position of observer,

Specimens Oftained

Instrument u	sed. Of Lar	Aller Alfred	ma _c
	ber of observation,	¥	
4	feet 13"		2
	4	meet 12	and a
Bearings &	nimiac	Lo 40 1 X6!	14/2
		- Rock brucan	
Time of day,	10.30	of tide. Hay 7	tore-
	ba		
Temperature	of air, 75		
44	surface of water,	66,5	
£ s	at depth of	fathoms,	
46	of bottom, 6	6	
Depth, in fatl	homs, 44		
Nature of bot	P-7	ol.	
Direction of	surface current.	leader and	-
Force of surf	See current		
Direction of	bottom current,		
Force of bott	om current,		
		Fish He	when
To what serv	rice attached, 20	0476	-5
Name and ra	nk of commanding	officer.	w Con to
		Theater.	u form
Name and po	esition of observer,	0 1 2	- arrivages,
	July 3	meneyte	124
		made de	free
		0	

Firmen Oblained

Instrument used, who she have the
*
Current number of observation. 1292
Date, Sept 13" 66
Bearings Commincul to He AXE/4 &
Bearings. Comme cut de No AXE/4 &
wich Ler XS/48. Alline Roch become NEXE/2 &
Time of day. 10 5 ; of tide.
State of sky,
Temperature of air,
surface of water, 67,5
at depth of fathoms,
of bottom, 6 6
Depth, in fathoms,
Nature of bottom, March
Direction of surface current,
Force of Trivil
rorce of armer currents,
Direction of bottom current,
Force of bottom current,
Name of vessel, do liter Fiel Amold
To what service attached. He d 76
Name and rank of commanding officer,
Porsel di can
Name and position of observer.

Specimen aldring

	Instrument used. Apple - And fel	
	Current number of observation.	2)
	Date. Sept 18" 8%	
	Bearings Commissed Lt Ho North	
	Bearings Commissed to the South	
-	monished W/s K. Allens Hote brucon N &	
	Time of day. II. 10 then; of tide, & or Front	-
	State of sky,	
	Temperature of air,	
	·· surface of water, 67	
	at depth of fathoms,	
	of bottom, 67	
	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. We be the Fish Harves To what service attached,	
	To what service attached,	-
	Name and rank of commanding officer, when it have	italia
	7	
	Name and position of observer,	
	Comment of the second of the s	

Flat John Speden Engline Orgeten & scallop shelt, young Leup Clean win bles, Hermit Crab, & Clan wills

	Instrument used, Beau hawk	2 1
	Current number of observation.	
	Date, 13" 88	
	Bearings. Bearings.	
	Bearings.	
,	mide it 10/40 Alexan Cook realer Ur & in &	
	Time of day, 1 . 3 day; of tide, 3 25 Harry	
	State of sky,	
	Temperature of air,	
	surface of water, 67	
	at depth of fathems,	
	of bottom, 66	
	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, White Frank Counted	
	To what service attached,	e con
	Name and rank of commanding officer	
	Name and position of observer,	

Lucio Agralla Flak fish Listo poda hade a shappennie Craho Departe and milio Milio Proposale and milio

Instrument used, Bean Travel 2
Current number of observation. 12 9.
Date. 2015 13" 88
Bearings, Somewhat he of My
Bearings, which the state of the me
sien to mx 8/48 Allem Bock hearm NEXE
Time of day, of tide. 3. 2 Herd
State of sky, 2-c
Temperature of air, 7/
" surface of water, 67
at depth of fathoms,
" of bottom, 45
Depth, in fathoms,
Nature of bottom,
Direction of Justice current
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, Ele Str Fire House
To what service attached, 26 2 6
Name and rank of commanding officer.
Fire all I for
Name and position of observer
The first of the second of the second

rein Come / Act Prime.
Oncia de la come de l

$n \rightarrow 1$
Instrument used, Bearn Frank 2
Current number of observation, 12 96
Date, Light 18 68
Bearings, Commicat It to N'14m
Bearings, Commicut It to N'14m
wich Smar, W. Man Koch realow Sr & Ligge &
Time of day, 12,03 Run; of tide, 3,2 7
State of sky, be
Temperature of air, 72
" surface of water, & 7,5
" at depth of fathoms,
of bottom, 66
Depth, in fathous, 3. 2
Nature of bottom, Breedle
Direction of Surface current, h + w
Force of countries current;
Direction of bottom current,
Force of bottom current.
Name of vessel, 26 ft lite Fish from
To what service attached, US 176
Name and rank of commanding officer,
moutediffee
Name and position of observer,

1297
REMARKS.

Specimens Oblained

with the exception of m stor fich

Instrument used, Pierre 7 10 10 10 2
Current number of observation. 1297
Date, Sipt 13" 88
Locality.
Bearings. I would for the Joxxx
wish It 8 m x m jo m. Almo Rock sen you & x 1 /4 de
Time of day, high Keen ; of tide, Acres
State of sky, b-
Temperature of air. 72
surface of water, 69
" at depth of fathoms,
of bottom. 66.5
Depth, in fathoms.
Nature of bottom,
Direction of surface current. In A W
Direction of Springe Current.
Force of surface current,
Direction of hottom current,
Force of bottom current,
Name of vessel.
To what service attached, Vol 76
Name and rank of commanding officer,
To the last of the
Name and position of observer,
- Interes

1298 REMARKS. Black Francisco & Rhella Langista Francisco Statfish

	Instrument used.
	Current number of observation, 12 98
	Date, Sept 13" 88
	Bearings, Commiscue St No som x 4 74 de
. 4	wish his min Willens Rock beacon 63/4 A
	Time of day, 12, 38 The : of tide. Hay to track
	State of sky,
	Temperature of air, 72
	" surface of water, 68.5
	at depth of fathoms,
	of bottom, 66.5
	Depth, in fathoms,
	Direction of surface current,
	Force of surface current,
	Direction of bottom current.
	Force of bottom current,
	Name of vessel, Tol the fine hour he
	To what service attached, Is & 76
	Name and rank of commanding officer,
	Final of a
	Name and position of observer,
	Min Comment of the
	Visited shipsen
	4*

Rock spinge scallof chills Aleres 3 Lasfish blead Rayon John Sells . Zew Sills in a se

Instrument used. Of Ster. Kindle
Current number of observation,
Date. Sept 13" 8.8
Locality. Larraganisto / Sac
Bearings. The incidence to the worth or
wich SM. Allen Porch Trucar 6. 8. 8
Time of day. /. 30 Peres: of tide. his hy makes
State of sky, Le
Temperature of air. 69
" surface of water. 67/
" at depth of fathors.
of bottom. 6,7
Depth, in fathoms,
Nature of bottom,
Direction of surface current, 200 000
Force of surface current,
Direction of bottom current.
Force of bottom current,
Name of vessel, Vol It. Juch work
To what service attached, 26 26
Name and rank of commanding officer, third with Survey in
Grant Referen
Name and position of observer,
or of the Standard Comment
· 100

Lechoge 4. 4 your sens side

Instrument used, Gyatta Donald
Current number of observation. / 5
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Locality, has my made distre
Benrings, Commentally morn
with the in / W. due in Rock or never & you
Time of day. 1. 5th : of tide. / with Elle
State of sky,
Temperature of air. 72
" surface of water, 6/6, 5
at depth of / mathems.
of bottom, 66
Depth, in fathoms.
Nature of bottom. ,
Direction of wirfing current, by A ray
mind 3
Force of surface current,
Direction of bottom current.
Force of bottom current.
Name of vessel, Vol Str. Finds towards
To what service attached, 268 5 6
Name and rank of commanding officer,
Name and position of observer,
Carlo de transfer de la companya della companya della companya de la companya della companya del

Vike Jish, King Crabs, Hut freh Spide Crabs, Hermit araba Windle spawn of a Murcel Conche, Scallage shells

Instrument used, Beau Frank	5
Current number of observation, /30/	
Date, Sept 13" 88	
Bearings Committed Le No Nor 14 m	
wick I Srx xx 12 18 Allino Rock bracon & x 1/	44
Time of day, 21/2 Miles; of tide, 1 2 Elle-	
State of sky,	
Temperature of air, 7	
surface of water, 66	
at depth of fathoms,	
of bottom, 66	
Depth, in fathoms,	
Nature of bottom,	•
Direction of current, has he	
Force of aurince current,	
Direction of bottom current.	
Force of bottom current,	
Name of vessel,	
To what service attached, 26 6 7 6	
Value & Same & land	11 3
Name and rank of commanding officer (· American
Name and position of observer,	
Andered his a	

REMARKS. Flatfish Winkles Dead Og to + Leallof Theirs Indomit Crab & lodg Crabe

Instrument used, Pelevier Total
Current number of observation, 1302
Date. 13" 13"
Locality.
Bearings. Commente pt 12 Arrext 1/21
mich is Wx8 148. Bless work bralow NEX &
Time of day, 2.24 12; of tide, 12 2 2 2000
State of sky,
Temperature of air,
" surface of water, 67
" at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface current,
Force of surface current,
Direction of Lattom current.
Force of bottom entrent,
Name of vessel,
To what service attached,
Name and rank of commanding officer, January & Same Its
12 - the left man
Name and position of observer,
the land were

REMARKS.

Delance Obligation of State of the State of Sta

Instrument used, Blanch Frank
Current number of observation, 1303
Date, Sept 13" 88
Locality. The appropriate / alley
Bearings, Somewich to rorretty to
wede EM 18/2 & Alleno Voch bracon NE/14 &
Time of day, 2.3 412; of tide, / 2 2
State of sky,
Temperature of air, 7 2
surface of water, 67
at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface current.
Force of surface current.
r orce of Figures current ,
Direction of bottom current,
Force of bottom current,
Name of vessel. 201 11, And Andrews
To what service attached, 26 & 76
Name and rank of commanding officer.
The outer refran
Name and position of observer,
And de marches

REMARKS. Recimens Merina Flat Will Hermit crabe Shelle & stones Stor fish 1

Instrument used,	743
Current number of observation, 13 6 4	
Current number of observation,	
Date, /3" 88	
Bearings. Some and and the same of the sam	
Bearings, Some and Color Axry 4 W	
winder 1 , al Allem Rock bracen 46/2	1
Time of day, a to place; of tide.	
State of sky,	
Temperature of air,	
surface of water, 67	
" 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, Stole Mr. Frank House	
To what service attached,	1,827
Name and rank of commanding officer.	1.
Name and Pank of Commanding officers.	
Name and position of observer.	

1305 REMARKS. Hait from Spider Crahe, anche Haite, Ripe john scale agente, + Sentiage wells

Instrument used, Reason France
Current number of observation, 130 J
Date, Sefect \$3' 88
Bearings, Search State of State of State of the State of
Bearings, which we do kny for your
wine is hat, Allens Kock brucout & x4)
Time of day, 2,55 per ; of tide, 1 2 Elbs
State of sky,
Temperature of air. 73.5
surface of water, 6
at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of murface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, 26 the history
Name of vessel, To what service attached,
Name and rank of commanding officer
Name and position of observer,

1306 REMARKS.

Queloge & music stille

Instrument used On the Standie	
Current number of observation, 7 3 5	3
Date, Salat 14 8	
Locality. Ormedonice. River.	
Bearings, Caracacte Car & X &	
discher It 82 18 3/26 Nagut 1 6	16
Time of day. 10 00 : of tide.	1.
State of sky,	
Temperature of air,	
" surface of water, 67	
at depth of fathoms,	
" of bottom, 64	
Depth, in fathoms,	
Nature of bottom, , Zu.	
Direction of surface current.	
Force of surface current,	
Direction of bottom current,	
Force of bottom current,	
Name of vessel,	
To what service attached, 26 & 76	
Name and rank of commanding officer.	
Garage	- Common
Name and position of observer,	
property of the second	

Starfish Hat fish Daile nych.

Shill messes shells lender

Leologic carefy shell find.

Crabo, any seal of these

- American
Instrument used, Beau Zand
Current number of observation, / 3) 7
Date, 217 88
Locality, Providences there
Bearings, Gerandent - States & &
Modes LESXE 34 & May at 12 Ent
Time of day, 11.59 auc; of tide, 1 2 1
State of sky, be
Temperature of air,
" surface of water, . 624
" at depth of fathoms,
" of bottom, 64
Depth, in fathoms,
Nature of bottom,
Direction of melaco current,
Force of Surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, Dollar France in the
To what service attached, 26 & 76
Name and rank of commanding officer
Space of an
Name and position of observer,
for the wife will
make its frame
U

1308 REMARKS. Jecomens allina in Group's the Back Obien and win are promit Drake Como lix. Eyet. & Com an ecally shell

Instrument used, Peter Tomber 1
Current number of observation, 1308
Date, 17 88
Locality, Considerate Perco
Bearings, Chiamited In SS 14 &
ilachode do IN Singut PE CX
Time of day, / 2,06; of tide, 1922
State of sky,
Temperature of air, \(\sqrt{2}-\)
" surface of water, &
" at depth of fathoms,
" of bottom, & 4,5
Depth, in fathoms,
Nature of bottom, Transfer by January
Direction of surface current.
Force of surface current,
Direction of bottom current.
Force of bottom current,
Name of vessel, Would Finder French
To what service attached, No 156
Name and rank of commanding officer, the the America
and whe
Name and position of observer,
the tempolen
mate who

1309 REMARKS.

Same as 1308 except no starfisher

Instrument used, Blasse Frank
4
Current number of observation, 1317
Date,
Locality, Providence Kinn
Bearings, summerclast de 1374 6
illockwittip W Janut 1 to 8 x L'28
Time of day, 7.49 : of tide, 1232 Elf-
State of sky, Challes
Temperature of air, 68
" surface of water, 66
" at depth of fathoms,
" of bottom, 66
Depth, in fathoms,
Nature of bottom, . Chinal
Direction of surface current.
Force of winds ourrent.
Porce of Statement,
Direction of bottom current.
Force of bottom current,
Name of vessel,
To what service attached, 26176
Name and rank of commanding officer,
I build the war
Name and position of observer,
~10. h 12.

13/0 REMARKS.

Shills, Crates, Winkles, Flate fish.

Instrument used, Beam Lawl
Current number of observation, /3/0
Date, Sept 17 88"
Locality, Providence River
Bearings, Commencent State & La
Liveles De Sonthe way at 1 2 6 8
Time of day, 7.5 of tide, 1 2 all
State of sky,
Temperature of air, 48
" surface of water, 65
at depth of fathoms,
" of bottom, 66
Depth, in fathoms, 4/2
Nature of bottom, Zund
Direction of curface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, 26 A Fine File A Fine A
To what service attached, & A 76
Name and rank of commanding officer, James a Fine hi
circulate by transm
Name and position of observer,
Fire line and
muste by an

REMARKS. Shide On the Hat fich

Instrument used, Bellie houl
Current number of observation, /3//
Cultent number of observation,
Date, Dept 14
Bearings. Similar of 1975
Bearings. Committeet De 18715
illochoLotte & & Eaping Se N/2 W
Time of day, 757; of tide, 122 Ebb
State of sky, Claral,
Temperature of air,
" surface of water, 65
·· at depth of fathoms,
of bottom, 6.6
Depth, in fathoms, 4 1/4
Nature of bottom, made
Direction of surface ourrent, S
Force of surface engreent, 2
Direction of Lation current,
Force of bottom current,
Name of vessel, 19/1/1/1/1/1/2/2/2/2/
To what service attached.
Name and rank of commanding officer. Thinks to Great ME
to with the way
Name and position of observer, / / / /
Windson the sec
Christie Hefre

REMARKS.

Spire. Save Line Constitution

	Instrument used, Beam Frank
	Current number of observation, 1812
	Date, Light 17" 87
	Locality. Considera River
	Bearings. Comment de & EXS
٤	Welle LETEX E/4 & Satingal- Anthe
	Time of day. 8. 04; of tide. 12 866
	State of sky, Cleady
	Temperature of air, 66
	" surface of water, 66 -
	" at depth of fathoms,
	" of bottom, 66.
	Depth, in fathoms,
	Nature of bottom,
	Direction of surface ourrent, South
	Force of suffer current,
	Direction of bottom aurrent.
	Force of bottom current,
	Name of vessel, de du The Howk!
	To what service attached, 26 A 7-6
	Name and rank of commanding officer Janua a Amitt
	Grate Wifn
	Name and position of observer,
	Anlanghten
	World sed rem

1313 REMARKS. Winkels flut fish Spider Crabo Tyster & Scallage shelin

	Instrument used, Blanchand
	Current number of observation. /8/3
	Date, Safet 19" 88
	Locality. Providence River
	Bearings. Sommicul de 86 48/28
1	clocks St SEXE/48 Sating St Ante
	Time of day, 8-09 : of tide, 1435 Elb
	State of sky, Clearly
	Temperature of air,
	" surface of water, 46,5
	" at depth of fathoms,
	· of bottom,
	Depth, in fathoms, 6/2
	Nature of bottom,
	Direction of surface current.
	Force of surface current.
	Direction of bottom current,
	Force of bottom current.
	Name of vessel, 26 & Atr Fish New 1
	To what service attached. Wof 76
	Name and rank of commanding officer.
	Name and position of observer,
	y the said

omens arealned King Gstat. Flat fish Lady Eral. Hermiet & keler Crabe, Formy stance I winkle oyater Lusting & Scall of shells.

Instrument used, Bean Frank
Current number of observation, /3/4
Date, 219 0
Locality. Narroufant Recy
Bearings. Comimicant of the Ax Xm 74 m
with to my the Alling hord bracon or 6 km/g.
Time of day, The ; of tide. /2 Ebb
State of sky, Clare dip
Temperature of air, 5-9
" surface of water, 644
" at depth of fathoms,
·· of bottom, 64
Depth, in fathoms, 7 3/4
Nature of bottom,
Direction of surface current. AAW
Force of surface current,
Direction of Letton current.
Force of bottom current,
Name of vessel, Ibd the Fish Hands
To what service attached, 26876
Name and rank of commanding officer.
mate un
Name and position of observer,
Windson hours

REMARKS. Sectione Medical Kin thermit ands head Shill Clamo Hat fish scallop I amale alon risks.

Instrument used, Beam hand
Current number of observation. 13/15 6
Date, Defet 19 88"
Locality. Narry servet Bay
Bearings Low i cut It to Nor x & 1/4 A
with & W/2 S. Allen Rock braken N 6 1/4 18
Time of day, 10.22; of tide. Elle
State of sky, andy
Temperature of air,
" surface of water, 64,5
at depth of fathoms,
" of bottom. 63
Depth, in fathoms,
Nature of bottom, , Thereil
Direction of curface current.
Force of surface current
Direction of hollow currenty
Force of bottom current,
Name of vessel, 26 & the Fish Handle
To what service attached, 26 9 76
Name and rank of commanding officer: William Ho
Name and position of observer,
Tollery , were
Ornali or a

REMARKS.

Specimens Ablained

Shale Harpish Haik

Squille Gong seep, Squide

King araba, Butter frish, Leace

phelts. Kennie trab, Winkel

plines.

Instrument used, Blace Frank
Current number of observation. 1516
Date, 19-
Locality, Nama
Bearings, Land Land Land Land
inin in 18 14 Selliens with brucon It let &
Time of day, 10 50 ; of tide, Elb /2
State of sky,
Temperature of air,
" surface of water,
" at depth of fathoms,
" of bottom, 63
Depth, in fathoms,
Nature of bottom,
Direction of surface current
Force of surface ourrent,
Direction of bottom current,
Force of bottom current,
Name of vessel, to Altr Finds Frequents
To what service attached, 26 7 6
Name and rank of commanding officer.
Constitution
Name and position of observer.

April chello.

Instrument used, Person Land
Current number of observation, 1317
Date, Sept 19" 88
Locality. Sama and Benj
Bearings, Commission of the Amxx
wich at iron dem into brace or EXE/26
Time of day, 11-20 dec; of tide, Colle
State of sky, Clandy
Temperature of air,
" surface of water, 64.5
" at depth of fathoms,
" of bottom, & O
Depth, in fathoms, 61/2
Nature of bottom,
Direction of surface company.
Force of swince current,
Direction of Landon Statement
Force of bottom current,
Name of vessel, No & Sich & Speche
To what service attached, Vol 7-10
Name and rank of commanding officer. White at himself
mating
Name and position of observer,
Then the
in ate my
4

Specimens ablained The fish flat fish, King crabe Winkel Herrice Crass spider Crabe, Hog chrken

Instrument used, Beau Faul
Current number of observation, / 3 /8 70
Date, Lept 19" 88
Locality, barragements likely
Bearings, Currenicut de No der & A
wide St 8 m x x 1/4 m Allen Koch bracon Ex &
Time of day, 11. 35 Lew; of tide, Sille 32 200
State of sky, Cloudly
Temperature of air, 60
" surface of water,
" at depth of fathoms,
" of bottom, 63.
Depth, in fathoms,
Nature of bottom,
Direction of surface current, AA
Force of current,
Direction of hottom on the sur-
Force of bottom current,
Name of vessel, 26 Africa tick Survey
To what service attached, Ho A + 6
Name and rank of commanding officer.
Courte Hy re
Name and position of observer,
- Will nepholic
Christinger
F

1319 REMARKS.

Specimens ablanced King Er aba Gat frake gride in he parmie + Jude Contra, Klerick cyclar + aculty order

Instrument used, Beam Jenne,
Current number of observation. 13/9
Date, Sujet 19" 81
Locality. Narrapine sette Police
Bearings, Similar de Ho Fr 3/404
with the Step W. Allen Hook brulen E/2 S
Time of day, // Dan; of tide. Ell 3227
State of sky, Olm ky
Temperature of air, 60
" surface of water, 65
" at depth of fathoms,
of bottom, 68
Depth, in fathoms,
Nature of bottom, I mud & shell
Direction of surface current, AA
Force of surface during, 2
Direction of Lanton current.
Force of bottom current,
Name of vessel, Hold Har Soil Sauth
To what service attached,
Name and rank of commanding officer.
bir and the
Name and position of observer,

1320 REMARKS. iner allained They Reup Hat pite Rkate. Deautyster vically whele

Instrument used, Regum Transle
Current number of observation. 1520 72
Date, 2005 19" 88
Locality, Firmidence River
Bearings, Considerate Let & 8 14 5
illock literatified Injut PE ANE
Time of day. 1.45 Per : of tide, Herry
State of sky, Clindy
Temperature of air,
" surface of water, GF, J
" at depth of fathoms,
" of bottom,
Depth, in fathoms, Nature of bottom, Nature of bottom,
Direction of surface current
Force of surface current.
Direction of Johnson Chrome.
Force of bottom current. Sand
Name of vessel, 26 ft de die de
To what service attached, 20 & # 6
Name and rank of commanding officer.
mail if n
Name and position of observer,
- Its Back Will

REMARKS.

Plat fich spider crabe

King Crabe shale, Pipe fish
Sculpin, sead apeter + sideling
shell.

Instrument used, Bellen Travol
Current number of observation. 1321
Date. Super 19" 28"
Locality, Porvedence Mora
Bearings. Comments of 35
Work derroxx traget PE EXS
Time of day, 1, 58 Plee: of tide. Horse 12 200
State of sky, Claudy,
Temperature of air, 67
" surface of water, 60.5
" at depth of fathoms.
·· of bottom,
Depth, in fathoms,
Nature of bottom, 1 frank & chell
Direction of Surface cutrent. At A
Force of winds, 2
Direction of hoteleasternet.
Force of bottom current.
Name of vessel, US & Was file Herwise
To what service attached, 26 4 7 6
Name and rank of commanding officer. Dames & & J.
Charles you
Name and position of observer,

REMARKS.

Listemen of the second of the seco

Instrument used, Vicano Trank
Current number of observation. /322
Date, 19 67
Locality.
Bearings. Commiscent of Sin &
Moderate SE' 148 August ME 618/88
Time of day. 2. 22 peu: of tide.
State of sky,
Temperature of air, 66
surface of water, 65.0
" at depth of fathoms,
of bottom, 64
Depth, in fathoms,
Nature of bottom. Saud Frank
Direction of surface current.
Force of surface convent,
Direction of bottom current.
Force of bottom current.
Name of vessel. Fish Faute
To what service attached,
Name and rank of commanding officer
Grante High
Name and position of observer.

Instrument used, white sinds
Current number of observation. 1323
Date. Sept 2.4
Locality.
Bearings Grimment A-Skright
Time of day, 11.15 her; of tide, High water
0
4-0
Temperature of air,
" surface of water, 64
" at depth of fathoms,
" of bottom, 62.11
Depth, in fathoms, 23/4
Nature of bottom, Hand Sault
Direction of purface current. A & &
Force of surface current.
Direction of bottom current,
Force of bottom current.
Name of vessel. List Harole
To what service attached. 16 6 7 6
Name and rank of commanding officer, Anne & Comme
· Chronilly
Name and position of observer.
Chall Un
Something the for the comment

Many regets & Realtof helds are

Instrument used, District And
Current number of observation. 1324
Date. Kirili 24
Locality, Prov Agran
Bearings. Commiscut de 8/2 &
eloche Gerry Ar Nayat 126874 &
Time of day. 1, 15 Ru : of tide. 10 22 Elle
State of sky, Bouley Charles
Temperature of air,
" surface of water, 6415
" at depth of fathoms,
·· of bottom,
Depth, in fathoms,
Nature of bottom, Head
Direction of surface current A & &
Force of surface current.
Direction of bottom current,
Force of bottom current.
Name of vessel. Fish thewhe
To what service attached, 26 & 7 6
Name and rank of commanding officer
Name and rank of commanding of the state of
and the state of t
Name and position of observer
West of some

Specimens Midlings

Instrument used, Option And I was	
Current number of observation. / 3 2 5	17
Date, 224 68	
Locality.	
Bearings. Commincent St 8 76 6.	
Modele Serryon Trayet 18844	6
Time of day, /, 35 - of tide. / 22 200	4
State of sky,	
Temperature of air.	
" surface of water, 64,5	
· at depth of fathoms,	
of bottom, 63	
Depth, in fathoms, 31/2	
Nature of bottom, . Many	
Direction of surface current A+ &	
Force of surface current,	
Direction of bottom current,	
Force of bottom current.	
Name of vessel. Fish fresh	
To what service attached, 26 \$ 7 6	
Name and rank of commanding office Parago of the same	
Thate Uf.	
, , , ,	
Name and position of observer	

Sherinew arine . Rock sproger when By to moulton shells.

17 To 18 1
Instrument used Malor About Malor
Current number of observation, 1826
Date, 24 88
Locality, Prev Fire
Bearings, Liene micul St 27: &
eloche Cermin Wayat Ple & &
Time of day, / 54 Ruse, of tide, / 20 Elle
State of sky,
Temperature of air,
" surface of water, 64
" at depth of fathoms,
" of bottom, 63
Depth, in fathoms,
Nature of bottom, Kent
Direction of surface current, +15
Force of surface current
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached, % 176
Name and rank of commanding officer
mining.
Name and position of observer,
191. J. 77 D. M.

/327 REMARKS.

Black musius and dead Shedle. + 2 starfish,

Instrument used, Oyster Alnd fr
Current number of observation, /3 2 7
Date, 24
Locality, Port Mire
Bearings, Similar de Sha &
illrede le smy y Nan at PESE / S
Time of day, 2,10 ker; of tide, 19 22
State of sky,
Temperature of air, T8
" surface of water, 64 (
" at depth of fathoms,
" of bottom, by
Depth, in fathoms, 10 12 feet
Nature of bottom,
Direction of Surface correct, AAS
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached, 26 & 76
Name and rank of commanding officer,
Franke My 22
Name and position of observer,
the water that the

Specimen attained dear clam and rate shello. Between 2 winkels.

Instrument used, Option De Care	
Current number of observation, / 3 2 8	7 82
Date, Sept 24 8 P	
Locality, Priv There	
Bearings, Commiscult 3- 8/8 &	
locks dermany woray at Po	813
Time of day, 2 2012; of tide, 22 Ell	,
State of sky,	1
Temperature of air,	And the second
" surface of water, 6415	
" at depth of fathoms,	
" of bottom, 64	
Depth, in fathoms, // best	
Nature of bottom,	
Direction of curface current,	
Force of surface out of the state of the sta	
Direction of bottom current,	
Force of bottom current,	
Name of vessel, 26 1 Find House	TENER.
To what service attached, Hod 76	1 1 3
Name and rank of communding officer	Brek J.C.
In gentle &	1000
Name and position of observer,	mer wh
Menighan	1
	18.

Specimens ablained square and establish shells.

2 Starfish

Instrument used, Organic advantaged
Current number of observation, /329 × 8
Date, 24
Locality, Providence
Bearings, arimi cul Li Contr
ellocks Sira dragat pet 88/4 &
Time of day, 2,34 ; of tide, 2 2 Eule
State of sky,
Temperature of air,
" surface of water, 6465
" at depth of fathoms,
" of bottom,
Depth, in fathoms, 274
Nature of bottom,
Direction of surface current, NY
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, Fish Mantha
To what service attached, 26 876
Name and rank of commanding officer with the state of the
Name and position of observer,
11 M. Estate

1330 REMARKS. Specimen Mainer aget. Sheller Reacula House

	Instrument used, Instrument used,
	Current number of observation, 1330 > 95
	Date, See to 2
	Locality, Arrive Control
	Bearings, Cominciled St & 14 74
4	dodes Lerram/2 restagat PSE X8/48
	Time of day, 3,1212; of tide, /2 Elle
	State of sky,
	Temperature of air,
	" surface of water, 64
	" at depth of fathoms,
	" of bottom, 64
	Depth, in fathoms,
	Nature of bottom,
	Direction of surface surrent,
	Force of surface current,
	Direction of bottom current,
	Force of bottom current,
	Name of vessel,
	To what service attached, he
	Name and rank of commanding officer.
	Name and position of observer,
	" Emertiale

Len were & from

Instrument used, Capitan Andrew
Current number of observation. 13.36 - 86
Date, July 4
Locality, Porr & Com
Bearings. Exminitent di-S/2 W
elveles atorniam 14 W May at pt 8 8 x 8 1/4 8
Time of day, 3.24 : of tide. /2 266
State of sky,
Temperature of air, 60
" surface of water, 65
at depth of fathoms,
of bottom,
Depth, in fathoms.
Nature of bottom. , Shell
Direction of merica courses.
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached. Ho & 76
Name and rank of commanding officer flowers a country
Name and position of observer,
the film

/333 REMARKS.

Survey Bose

Instrument used, (1) And :
Current number of observation. 1852 × 87
Date. Sept 24 816
Locality. Por Ren
Bearings. Later in setul Le & XW
Works Estricky Woraget PESEXE1/28
Time of day, J. 30 : or tide. 3 2 Edit
State of sky,
Temperature of air, 65
" surface of water, 65
" at depth of fathorns,
ef bottom.
Depth, in fathoms.
Nature of bottom,
Direction of surface current. AA6
Force of surface current.
Direction of bottom current,
Force of bottom current,
Name of vessel,
To what service attached,
Name and rank of ecommanding officer,
Morale It from
Name and position of observer,
on the defined

werd Ogster & class shells. In

Instrument used, Oyster A	energy 480	8
Current number of observation. / 3	3 3	
Date, Sept 24	P	
Locality. For	larer	
Bearings Commiscul d	ESXWYYW	
dodos armism su	rynt Pt dex 8	
Time of day, 3. 35 ; of tic	16. 32 × Elle	
State of sky,		
Temperature of air,		
" surface of water,	4.5	
" at depth of fathe	oms,	
·· of bottom,	t .	
Depth, in fathoms,	feet	
Nature of bottom,	met	
Direction of surface current.	16	
Force of surface current.		
Direction of Letton direction	-	
Force of bottom current,	:	
Name of vessel,	Story to	
To what service attached,	676	
Name and rank of commanding office	mus a small	
Name and position of observer.	1 1 2	
June	in it. ul	

head gyte shells

Instrument used, On the House 89
Current number of observation, /3 3 4
Date. Lift 25 88
Locality.
Bearings Carrimian De 6786
elodo Gran Mayatre 82/4 80
Time of day, 11, 30 au : of tide, 4" Dr flood
State of sky, Chudy
Temperature of air,
surface of water, 64
" at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom, Kand
Direction of minima current, of &
Force of surface enterent, 2
Direction of horton autom
Force of bottom current,
Name of vessel,
To what service attached, 26 A 7 6
Name and rank of commanding officer and A Month
Name and position of observer. Inlamythan In attach

Ale cimem Obtained.

1 star Jish & dense Oppler whether

5-

Instrument used, Oyelin Albridge
Current number of observation, 1336 95
Date, Sept 25 88
Locality, Progr Rever
Bearings, Carringlet Re 8 X &
Moderanxwin Nagat Pt SE145
Time of day, 11,45 : of tide, 4 22 flored
State of sky, Cloudy
Temperature of air,
surface of water,
" at depth of fathoms,
·· of bottom,
Depth, in fathoms, 2 3/4
Nature of bottom, . Can'd
Direction of surface current. If &
Force of surface courses.
Direction of bottom oursent.
Force of bottom current,
Name of vessel, Fish Hawk
To what service attached, 26 & 76
Name and rank of commanding officer terms & Amit
mate If
Name and position of observer,
Arrhine share
maring

6, 1/2 15-14 5-1/2 20,6 44 15-53, 58 2 Storpite dead Oysten shells 93 Llan yster Shello 101 103 104 118 119 202 LE 11 HH HH turkina the - Bearing they