1998 Land, 296 T. 1305

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1286 to 1335



1286 Specimens Oblained Shotis Heat fish. Lea Riobbins lemone Stanfish. Hermil trates

IR TO

Instrument used, Ream Frank
Current number of observation, 1276
Date, Slepe 6" 88.
Locality, Meneny cha Physic Vineyand Some
Bearings, Earhead 87/88 Quicke Hole Nor
a parline lens rr 8/4 &
Time of day, 1122 kin; of tide. Freth
State of sky, be
Temperature of air. 4 3
" surface of water, 63
" at depth of fathoms, " of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface current, North
Force of surface supports of
Direction of Lather current, 8 x E/2 6 mag 1/8
Force of bottom current,
Name of vessel, Is I the Fish Itande
To what service attached, 26 7 6
Name and rank of commanding officer, January A. S. C.
Freder Hgm
Name and position of observer,

1217 REMARKS.

Lobstin Hat Jich, Later. Dea Robbins Clarfish, Hermit ands

Instrument used, Bearing Frank
Current number of observation, /287
Date, Sept 6" 88
Locality, Meneurha Bight Tony on Forms
Bearings, Eaghand m'ny Schuids Hole NXm 75
Tarpaulin Cor + X & 3/4 E
Time of day, 11, 3 yau; of tide. Fract
State of sky,
Temperature of air,
" surface of water, &
" at depth of fathoms,
of bottom, 63
Depth, in fathoms,
Nature of bottom, Sand
Direction of surface current,
Force of surface of the Control of t
Direction of Letton Courset, SEXE/2 6 may 18
Force of bottom current.
Name of vessel, It She Fish Hawle
To what service attached, 26 & 7 6
Name and rank of commanding officer, while A fine to
Grate Ufr
Name and position of observer,

Abrameno Arlamed Shate flut fish sea Rubbins Conoho star fish ithing scupe

Instrument used, Ream Frank
Current number of observation, 1288
Date, Left 6' 88
Locality, Theremother Beghe Vinegan Somel
Bearings, Enghand by & Euchs Hole sorr
Larpaulin levr r & 3/4 &
Time of day, // 53 min; of tide, made
State of sky,
Temperature of air, 62
" surface of water, 65
· at depth of fathoms,
" of bottom, & 3
Depth, in fathoms.
Nature of bottom, Sand
Direction of surface current, Inte
Force of surface current;
Direction of Latton our rem. N N W
1° - Charles comment
Name of vessel, Us & Atta Fish Bawk
To what service attached 26 700 0
Name and rank of commanding officer facure & Someto
Name and rank of commanding officer facure & Someto
Name and position of observer, Andrews the few

pecimens Oplained Winkles / Star Jish. Ragor fish shells peallop shell, Winkle spawn Chello, King Orales

	Instrument used, Obster New down
	Current number of observation, 1289
	Date, Sept 13
	Locality, Norra amete Ben
	Bearings, Commission of No Ar 6 1/8 6
>	wick de drips Allen Roch bracon 6/2 4
	Time of day, 9,55 ane, of tide. From 1 di
	State of sky,
	Temperature of air, 65
	" surface of water, 65
	at depth of fathoms,
	of bottom.
	Depth, in fathoms, 213
	Nature of bottom, hony Level
	Direction of surface current, W 3 VV
	Force of surface current,
	Direction of better empore.
	Force of bottom current, -
	Name of vessel, & Str. Fish Hande
	To what service attached, 26 A > 6
	Name and rank of commanding officer
	no I Was
	Name and position of observer,

Akecimen ablained and during the

Instrument used, Oyster Klondys
Current number of observation. 1290
Date, Amaginett. Bay Lefit 13
Locality. Amarguett Beng
Bearings, Commiscut LE HO 17 12/4 6
mick de Sr por Allens Rock bracom 6x 1 1/4
Time of day, 10.10 ais ; of tide. Flore
State of sky, VC
Temperature of air, 70
" surface of water, 66
" at depth of fathoms,
of bottom, 67
Depth, in fathoms,
Nature of bottom, hud
Direction of winder current, msw
Force of surface current. 2
Direction of bottom current.
Force of bottom current.
Name of vessel, It A Alto Fish Hank
To what service attached, 26 17-26
Name and rank of commanding officer, James Mornist
Grate refram.
Name and position of observer.
John lene how

1291 REMARKS.

Specimens Obtained

Instrument used. Oppler Linky
Current number of observation, /2 91
Date, Separ 13" 88
Locality, Narrallemett Beny
Bearings, Comminant Lot Ho + X6 1/4 6
mich de swin & Willen Rock bracan ENE.
Time of day, 10.30 ; of tide. Holy Herri
State of sky,
Temperature of air, 75
" surface of water, 66.5
" at depth of fathoms,
" of bottom. 66
Depth, in fathoms,
Nature of bottom, Wind
Direction of current, Calm
Force of surrent
Direction of bottom current,
Force of bottom current,
Name of vessel, Us Stor Fish Hawter
To what service attached, 26 476
Name and rank of commanding officer Amiles of Comments
Name and rank of commanding officer families of Some is
Name and position of observer.
Jambeneghton Graderefor
maderefor

1292 REMARKS.

Spiemens Oblained horthing

	Instrument used, Opeler Hendye
	Current number of observation, 1292
	Date, Sept 13" EE
	Bearings Eminicul to Ho AXE/4 &
2	vich Let X8/48. Allina Roch Vacen NEXEL &
	Time of day, 10,55; of tide, / tack that
	State of sky,
	Temperature of air,
	surface of water, 67,5
	" at depth of fathoms,
	of bottom, 66
	Depth, in fathoms,
	Nature of bottom, Much
	Direction of surface current, leasure
	Force of Trick
	Direction of bottom current,
	Force of bottom current,
	Name of vessel, 26 / Str Fish Hawl
	To what service attached, 26 & 7 6
	To what service attached, Name and rank of commanding officer, Manual Manual Commanding officer, Manual Command
	Brown the English
	Name and position of observer,
	Name and position of observer, Indenny the
	male difference

MEN VOICE

1293 REMARKS.

Speremens allained

	(A) T (A)
	Instrument used, Oyster Londge
	Current number of observation 1223
	Date. Sept 15 88
	Date, 2 /
	Locality.
	Bearings, Emmeted It No. Smile
1	Bearings Committed It Ho Antho
	Annual Control of the
	Time of day, 11. 10 Occur; of tide, 3 or Those
	State of sky,
	Temperature of air,
	" surface of water, 67
	" surface of water,
	" at depth of fathoms,
	of bottom, 67
	Depth, in fathoms,
	Nature of bottom,
	Direction of surface current,
	Force of surface current,
	rorce of surmor current,
	Direction of bottom current,
	Force of bottom current.
	Name of vessel, to the Fish Harvel
	To what service attached,
	To what service attached,
	Name and rank of commanding officer, James & America
	Thiste Hef 2-
	None and a section of a boson in
	Name and position of observer,
	C. C

DEWYSKY

REMARKS.

Shecimens additioned

Flat Josh Spider Crobe

Oyster & Scallop shelts, Joseph Scup Clad Winkles, Hermit

Crab, & Clam shells

	Instrument used, Beaun hand
	Current number of observation.
	Date, 13" 88
	Locality. Harra write Pary
	Bearings, Seminuent of Ho A /4 W mide de 1/48 Mens Rock beacon or 6 /2 &
120	and the second s
	Time of day, 11:03 line, of tide, 12 Hord
	State of sky,
	Temperature of air,
	surface of water, 67
	" 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 bottom current.
	Parce of bottom current
	Name of vessel. Holder tack to yeard
	To what service attached, 26 176
	Name and rank of commanding officer Junes a domitte
	mode Mfra
	Name and position of observer,
	Menghelm

REMARKS.

Actimens Oblained

Condro, Squilla Flat fish

Starfish Skider Conto, Hermit

Crabo, Dead Clam shello

Skett Efre,

Instrument used, Dean have 27
Current number of observation. 12 9
Date, Sept 13" 88
Bearings, Sminisht ht No r 1/4 m wish /t m x 3/4 S. Allens Rock bracon r & x &
Bearings, Eminiculate to to roly m
with At rx X3/4 S. Allens Rock bracon r & X &
Time of day, 11.5 2 aux; of tide, 3 2 Flored
State of sky, 2-C
Temperature of air. 7/
surface of water, 67
" at depth of fathoms,
" of-bottom. 44
Depth, in fathoms,
Depth, in fathoms, Nature of bottom,
Direction of Austrace current, whi
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, Ele Astr Fish Hawte
To what service attached, 26 & 76
Name and rank of commanding officer. The same a Function
matellen
Name and position of observer
Therephin
matingar

Remarks.

Specimens Alained

Keing Crab 1 Sterfish. Phider

Orabe, Scallofs, Hut fish

Hermilia craber, Kelfe, Young a super

EMODE STATE SECOND

Instrument used, Beum Frank 28
Current number of observation, 12 96
Date, L. E , 3' 88
Locality, Faraafamente Been
Bearings, Commicut It Ho N'14m
wich SWXW /4 M. Allen Roch beacon NEXE /4 &
Time of day, 12,03 Rev.; of tide, 3,2 " Hord
State of sky,
Temperature of air, 72
" surface of water, 47,5
" at depth of fathoms,
" of bottom, 66
Depth, in fathous, 3. 2
Nature of bottom, But
Direction of Surface current, h + 1
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, Hod St. Fish frank
To what service attached, 26 17 6
Name and rank of commanding officer, James a destille
materific
Name and position of observer,

muti refin

Marcernon Ablained With the exception of m stor fish

Instrument used, Pierre Trank
Current number of observation, 1297
Date, Dept 13" 88
Locality, Sama amount Bery
Bearings, Commincant Le Ho AXX
with It Smxn/2 W. Alew Rock Frage 6 x 1/4 d
Time of day, Med & Ken ; of tide. Higher Windles
State of sky,
Temperature of air. 72
· surface of water, 69
" at depth of fathoms,
" of bottom. 66.5
Depth, in fathoms. Nature of bottom.
Nature of bottom,
Direction of surface current, Sr AW
Force of surface current, 2
Direction of hottom current,
23 6.1 14
Force of bottom current,
Name of vessel, It lets Fish House
Name of vessel, Sold Str. Fish House
Name of vessel, Sold Str. Fish House
Name of vessel, It lets Fish House
Name of vessel, Sold Str. Fish House Constitution of commanding officer, James a Smith
Name of vessel, Sold str. Fish House Voltage To what service attached, No & 7 6 Name and rank of commanding officer, James a bright That Uffer

1298 REMARKS. Skecemens Oblained Black Frankles & Rhelle Garfish Frinkles flatfish

CHOOSE TOTAL DEPOSIT

Instrument used, Palenn Frank 3
Current number of observation, 12 98
Date, Sept 13" 88
Locality, A array aurett Palace
Bearings, Eminieur St Horry 4 /4 de
wide hi & whw. Allens Rock bearing 23/4 1
Time of day, 12, 3 Fla ; of tide. High Wale
State of sky,
Temperature of air, 72
" surface of water, 68.5
" at depth of fathoms,
of bottom, 66.5
Depth, in fathoms,
Nature of bottom, Trust
Direction of surface current,
Force of surface coursest,
Direction of bottom current,
Force of bottom current.
Name of vessel, 26 6 Str. Fish Hands
To what service attached, Ho A 7-6
Name and rank of commanding officer, I mee Co tome
Name and rank of commanding officer, I mee a fine to
Name and position of observer,
Inlama in
mut defin

Recimens Oblained
Rock spinge Reallop shills
Stones. 3 storfish. Llend Kazor
Jih shills. Few fills Eraba

Instrument used, Oyster Kindfr 3
Current sumber of observation. 129
Date, Sept 18" 88
Locality, Franciscott Bay
Bearings, Commiscut de Ho mit m
mick SW. Allens Rock bincom & X.S
Time of day. 1. 3 0 Peu; of tide, Highfrales
State of sky, 2-c
Temperature of air. 69
" surface of water, 67/
" at depth of fathouts,
" of bottom, 6,7
Depth, in fathoms,
Nature of bottom, Africa
Direction of surface current, Ir vr
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, Wed Str Fish Hawk
To what service attached, 26 \$ 7-6
Name and rank of commanding officer,
That it is
Name and position of observer,

18 00 REMARKS.

Decemen Oblerinos Dushogs 4 - 4 some stead abello

ATMUATIVE BECOME

Instrument used, Oyston Dredges 5
Current number of observation. /3 >>>
Date, Sift 13" 88
Locality, nama awall Teleg
Bearings, Commissed to Ho mr m
nich de 8 m /4 W. Allem Rock bracon & 3/4 &
Time of day, L. Old ; of tide. 1 2 = Elle
State of sky,
Temperature of air. 72
" surface of water, 6/6, 8
" at depth of fathoms.
" of bottom, 66
Depth, in fathoms,
Nature of bottom. , Green
Direction of works courrent. Ir A W
Force of Aufrice Current
Direction of bottom current,
Force of bottom current,
Name of vessel, US Str Fish Hawk
To what service attached, 260 5 6
Name and rank of commanding officer Assure a Smith
Name and position of observer,
Linker
mat 21 h.

UTWVULZ-

1301
REMARKS.

Vifer fish, King Crabs, Hat fish
Skider Crabe, Hermie arabe
Winkle skavn, Alacte Murcel
Conche, Scullage shells

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0. 7. 1	100
Instrument used, Beam Frank	¥ +
Current number of observation, /301	
Date, Left 13" 88	
Bearings, Committed to No Nor"/4 m	
Bearings, Committed de No Nor"/4 m	
wick It. Sir xir /2 is. Alleno Roch bracon Ex 1/4	i de
Time of day, 21/2 Kess; of tide, 1 2 Elle	
State of sky,	
Temperature of air, 7 2	
" surface of water, 66	
" at depth of fathoms,	
of bottom, 66	
Depth, in fathoms, Nature of bottom,	
Direction of surface current, has he	
Force of surface current,	
Direction of bottom current.	
Force of bottom current,	
Name of vessel, 76 & St. Fish Herwite	
To what service attached, 26176	3
Name and rank of commanding officer Librate & tome	1
Tratery	-
Name and position of observer	
Antenial is	
And position of observer the length of the sale information of the sale inform	
4	

REMARKS.

Elecimos Oblained

Flat fish Winkles, Dead

Ozeta + Leallop shello. Hermit

Crab + lady craba

Instrument used, Bean Frank
Current number of observation, 130 2
Date, Sept 13" 88
Bearings, Committee for Ato Ar 121
Bearings, Committeel ft Ato Ar x X 121
mist de WxS'/43. Aliens Rock bealow NEX. &
Time of day, 2.24 Re; of tide, 12 2 2 2000
State of sky,
Temperature of air,
" surface of water, 67
" at depth of fathoms,
of bottom,
Depth, in fathers. J., 5
Nature of bottom,
Direction of surface current,
Force of surface current,
Direction of Lation current, WAW
Force of bottom entrent,
Name of vessel, Is I the First Menutes
To what service attached 16 176
Name and rank of commanding officer, fame a somethis
mate Uf m
Name and position of observer,
Horton town
12 ste refer

1308
REMARKS.

Delained

Olyster & dam shells / plynjrih

Jagmid

	Instrument used, Palann Frankl
	Current number of observation, 1303
	Date, Sept 13" 88
	Locality, Harra Jamett Paky
	Bearings, Commiscue de Horrett /4 4
600	wish Et W18/2 & Allens Rock bracon NE/4 &
	Time of day, 2. 3 4 m ; of tide, / 2 2 Eld-
	State of sky,
	Temperature of air, 7 2—
	surface of water, 67
	·· at depth of fathoms,
	" of bottom, 6 J
	Depth, in fathoms,
	Nature of bottom,
	Direction of surface current, hor
	Force of surface current,
	Direction of bottom current,
	Force of bottom current,
	Name of vessel, Ub & Str. Fish Naude
	To what service attached, 26 & 76
	Name and rank of commanding officer. Lames a bount
	The oute refre
	Name and position of observer,
	I Mule is there
	Virgida Widow

1304 REMARKS. Specimens Ablained Hat fish Hermits crabe Spider crabe Henre Capter Thelle & Store Store fish 1

	trument used, Been French 3
Cui	rrent number of observation, 13 9 4
Dat	e. 13" 88
Loc	eality. Filarer against take
Bes	arings, Smericant de No 1- xr/4 W
wi	rality. Diamagamente Pally arings, Eminical Se No A X 1 /4 W de le 1/4 & Aller Rock bealen 46/2 1
Tin	ne of day, and 6 Phu; of tide, 1 2 2 Elfo
Sta	te of sky,
Ter	mperature of air,
	surface of water, 67
	" at depth of fathoms,
	" of bottom, 65.5
De	pth, in fathoms,
	ture of bottom,
Dir	rection of surface current,
For	rce of surface current,
Dir	rection of bottom current,
Fo	rce of bottom current,
Na	me of vessel, what service attached,
To	what service attached,
Na	ome and rank of commanding officers on the commanding officers of the attention
	In at define
	The state of the s
Na	me and position of observer.
	The sold the man

Flat fish Skider Crake, anches Haile, Ripe fish, scale agenter + Scallage abello

TEMPIRA NIGH RECORD

Instrument used, Blain Frank
Current number of observation, 130 J
Date, Sept 13' 88
Bearings, Eminicut It He S xx /4 m
Bearings, Eminicut It has I km /4 m
wich St- mx to Allens Rock brucon & & xx
Time of day, 2,55 Plus; of tide, 1 2 Elle
State of sky,
Temperature of air. 73.5
" surface of water, 67
· at depth of fathoms,
" of bottom,
Depth, in fathoms,
Natura of horton Mined
Direction of surface current,
Force of Surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, 26 & Str. Fish Strake
To what service attached, 26 17 6
Name and rank of commanding officer James A Smith
court of ,-
Name and position of observer,
I monter -

1306 REMARKS. Lecemen Olaines Theles

Instrument used Applie Abrille
Current number of observation, 100
Date, Se 514 861
Locality, Providence Kinn
Bearings, Commiscul Le & X &
Mocks It SEXS 3/48 Naget PE & NE
Time of day, 10 Ud ; of tide, 100 2 Floral
State of sky,
Temperature of air,
" surface of water, 6 \$
" at depth of fathoms,
of bottom, 64
Depth, in fathoms,
Nature of bottom, Tund
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, 26 A Shr Fish Hearten
To what service attached, 26 A 76
Name and rank of commanding officer, James a Smit
Gratinfu
Name and position of observer,
- Inlangatus

Starfish Hat fish Haile oyder shell musse shells Em do Lohops scallop chell Spider

MEMOSCULHUS HECORD

	Instrument used, Beaun Zunk
	Current number of observation, /307
	Date, 17 88
	Locality, Providence Rever
	Bearings, Commicul La SEX 8/4 8
1	elodo Le SXE 3/48 Nayat Pl East
	Time of day, 11. 59 ans, of tide, 12 Hord
	State of sky, be
	Temperature of air, 66
	" surface of water, 624
	" at depth of fathoms,
	" of bottom, 64
	Depth, in fathoms, 7/2
	Nature of bottom, Sandy
	Direction of purface current, vocalto
	Force of Surface current,
	Direction of bottom current,
	Force of bottom current,
	Name of vessel, 26 6 Ats From rawle
	To what service attached, 26176
	Name and rank of commanding officer thanks I thinks
	General of me
	Name and position of observer,
	Internspers
	mote 12

1318 REMARKS. Specimens Oblaine which Group screp Haite Skale Spider angle King anave Hermil Orales conches, Oyster & Claw ance eculting shells

	Instrument used, Bearn Frank 4
	Current number of observation, /3 0 8
	Date, Sept 17 88
	Locality, Orondence River
	Bearings, Grimicul de 56 1/4 8
34	Machade AXW Sayat PECXS
	Time of day, 12,06; of tide, 1,222 ft.
	State of sky, Char
	Temperature of air, \(\sqrt{2} \)
	" surface of water, 64
	" at depth of fathoms,
	" of bottom, & 4,5
	Depth, in fathoms,
	Nature of bottom, French broken sheets
	Direction of surface current,
	Force of surface current,
	Direction of bottom current.
	Force of bottom current,
	Name of vessel, Wo Othe tile track
	To what service attached No 8 4 6
	Name and rank of commanding officer.
	metilyn
	Name and position of observer,
	Jan Langhan
	multi Tela

1309
REMARKS.

Affeceines Afterine
Same as 1308 except no starfishe

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- 3

energy has

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ALERO DEFENDE ABOUT

	Instrument used, Blasse Frank
	Current number of observation, 1339
	Date, 217 88
	Locality, Providence River
	Bearings, Commicated de-663/46
1	Mockederin W Stayet PEEX b's S
	Time of day, 7. 49 : of tide, 122 Elb-
	State of sky, Chally
	Temperature of air, 68
	" surface of water, 66
	" at depth of fathoms,
	" of bottom, 66
	Depth, in fathoms,
	Nature of bottom, . Think
	Direction of surface current,
	Force of mission current,
	Direction of bottom current,
	Force of bottom current,
	Name of vessel, So O & To Fish Historie
	To what service attached, 26 1 76
	Name and rank of commanding officer denses a desired
	Terate region
	Name and position of observer,
	Thelene hter
	materific
	Blacks)

1310 REMARKS. Shells, Crales, Winkles, Flah-ARMAIN VIANA BESOND

Instrument used, Beam Lawl
Current number of observation, /3/0
Date, Set 17 88"
Locality, Providence River
Bearings, arministrate St & & &
liveles Le Smits. Nayat Pl & & &
Time of day, 7.54; of tide, 152 aft
State of sky, Clary
Temperature of air, 48
" surface of water, 65
" at depth of fathoms,
of bottom, 66
Depth, in fathoms, 4/2
Nature of bottom, Trush
Direction of current,
Force of surface current, 2
white
Direction of bottom current,
Force of bottom current,
Name of vessel, It Alle Fish Kounty
To what service attached, & 7
Name and rank of commanding officer, Janua a Smith
mete up no
Name and position of observer,
Inlengation material
male by sa

REMARKS. kider Crabe Hat froh

Instrument used, Beau Frank
Current number of observation, /3// 43
Date, Dept 17
Locality, Providence Priver
Bearings. Committee & SE 7/25
Wochosterx 8/4 & Sabins de N/2 W
Time of day, 757; of tide, 142 Ebb
State of sky, Clandy
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 rurface ourrent,
Force of surface courset. 2
Direction of Cinomicurent,
Force of bottom current,
Name of vessel, 25 & Ale Fish & Garole
To what service attached, 26 \$76
Name and rank of commanding officer, anno & torreite
inste up
Name and position of observer.
Interregh Love
mille defre

REMARKS. Spider Gabe Plat Jish Opter & scallop shells

Instrument used, Beam Frank
Current number of observation, 12/2
Date, Sept 17" 8 8
Locality, Porredence River
Bearings, Commiscul de & E X S
ellocho LErEXE1/4 & Estimol- Antho
Time of day, 8.04; of tide, 122 Ebb
State of sky, Clearly
Temperature of air, 68
" surface of water, 66
" at depth of fathoms,
" of bottom, 66
Depth, in fathoms,
Nature of bottom, , hand
Direction of surface ourrent, Inthe
Force of surface current,
Direction of tottom current.
Force of bottom current,
Name of vessel, It & In File Howeld
To what service attached, 26 A 7-6
Name and rank of commanding officer Janus a dmitte
Grate Wor
Name and position of observer
Ihreland being
It. E power of

1313 REMARKS. Minkels flut Fish Skider Crabe agelin + Scallap shells

Instrument used, Reserve France
Current number of observation. /3 /3
Date, Sekt 19" 88
Locality, Providences River
Bearings, Commicul St & EXS/2 8
locks Le SEXE/48 Satins Le Ante
Time of day, 8-09; of tide, 7425 Elbt-
State of sky, Clearly
Temperature of air,
" surface of water, & 6.5
at depth of fathoms,
of bottom, 46
Depth, in fathoms, 6/2
Nature of bottom, And
Direction of surface current, Onthe
Force of Surface current.
Direction of bottom current,
Force of bottom current,
Name of vessel, 26 & Atr Fish Macula
To what service attached, 26 \$ 76
Name and rank of commanding officer, and a commanding
Grate hope
Name and position of observer.
Malerse Share
the at ret

King State. Flat fish Lady crab King State. Flat fish Lady crab Hermit + skyler Crabe, Frung skale Ex Winhle Gyster Zuchog + Scallop shells.

Instrument used, Bean Frank
Current number of observation, /3/4
Date, Select 19 00
Locality, Annufament Berry
Bearings, Comimical Lotto NX XX 14 W
wish to right Allens Rock bracan At LATIS.
Time of day, 4,5 6; of tide, /2 Ebb
State of sky, Cloudy
Temperature of air. 5-9
" surface of water, 64
" at depth of fathoms,
of bottom, 64
Depth, in fathoms, 73/4
Nature of bottom,
Direction of surface current, AAW
Force of surface current,
Direction of Lating August.
Force of bottom current,
Name of vessel, Upd Str Fish Harsh
To what service attached, 26676
Name and rank of commanding officer, where the transfer
Tratinfin
Name and position of observer,
Lechengham
,

Stechnews Itained Kingthermil- Crabs. Leave I emale ston fish.

Instrument used, Blum Frank
Current number of observation, 13/15
Date, Sept 19 28
Locality, Narray sensat Bay
Bearings, Exercical It Horrx x x 3/4 x
wich St W/2 3. Allens Rock bracon N 6 3/4 N
Time of day, 10.22; of tide. Elle
State of sky, Oludy
Temperature of air,
" surface of water, 64,5
·· at depth of fathoms,
of bottom. 6 3
Depth, in fathoms,
Nature of bottom,
Direction of surface current;
Force of surface current
Direction of Laboratory
Force of bottom current,
Name of vessel, US Un Fish Hawle
To what service attached, 26 1 76
Name and rank of commanding officer, where the limites
Gratefu
Name and position of observer,
Millery to Leave

1316 REMARKS.

Skale Harfish Haik Squiller Grong scup, Lynick Ring Orabe, Butter fish, Gleace shells. Kennit trab, Winkel ptimes.

Instrument used, Beam Bourt	+
Current number of observation, 1816	68
Date, Sept 19"	
Locality, Narrajament Ber	4
Bearings, Commicut ft Ho North	741
with to h x 1/4 S. Allem Rock brucon.	1-8/4 6
Time of day, 10 50; of tide, Elle 1/2	
State of sky, Churchy	
Temperature of air,	
" surface of water, 65	4
" at depth of fathoms,	
" of bottom, 63	
Depth, in fathoms,	
Nature of bottom,	
Direction of surface current	
Force of surface ourrent,	
Direction of better current,	
Force of bottom current,	
Name of vessel, Ho & ptr Zish Ho	awker
To what service attached, 26476	
Name and rank of commanding officer.	Lovento
- China	Elym
Name and position of observer,	
- Inline jice	
Inate	ufn

REMARKS.

Spec conserve Obtained

King crabe Spiden + Bennit crabe

Het rich. Kelp, Beach a constop

4 optim shells.

ATRICOLUCATE DECEMB

Instrument used, Beau Frank
Current number of observation, 1317
Date, Sept 19" 88
Locality, Narragamento Beny
Bearings, Ex sissue out at Ho AmxA.
mich at 48 W. Allens Rock bracen NEXE/2 &
Time of day, 11, 20 tes; of tide, Coll-
State of sky, Clandy
Temperature of air,
" surface of water, 6415
" at depth of fathoms,
" of bottom,
Depth, in fathoms, 6 1/2
Nature of bottom,
Direction of surface courses.
Force of surface current,
Direction of Color Colors
Force of bottom current,
Name of vessel, No A tick of such
To what service attached, Vol 7-40
Name and rank of commanding officer, James a Limite
matinger
Name and position of observer,
Menighten
Name and position of observer, Menighten Chraterfu

Specimens ablained Starfish Hat fish, King Crabe make, Hug chroke

Manual Colle Hagotta

Instrument used, Bellin Faml
Current number of observation, / 3 18 76
Date, Sept 19" 88
Bearings, Commiscue Lo No Am X A
mich LE 8 n x n /4 m Allens Rock bracon Ext
Time of day, 11.35 Due; of tide, Elle 32 Con
State of sky, Cloudy
Temperature of air, 60
" surface of water, & 5
" at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface current,
Force of curface current,
Direction of bottom of the
Name of vessel, 26 Atr. Hish Handle
Name of vessel, 26 A 4 C
To what service attached,
Name and rank of commanding officer. James a Smith
Name and position of observer,
DA CO

1319 crabe Statfish Filly Jish mic & Spider Crabe, Kleach oyeter + ecultop shello

Instrument used, Beam Frank,
Current number of observation, 1319
Date, Super 19" 88
Locality, Narragamente Paley
Bearings, Essimilar ft Ho Fr 1400
wick it Sripre. Allen Rock brucon E/2 S
Time of day, //. a an ; of tide. Ell 3227
State of sky, Olm dy
Temperature of air, 60
" surface of water, 65
" at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom, I had & shell
Direction of Surface current, AA
Force of surface during 2
Direction of Lation current,
Force of bottom current,
Name of vessel, Ho & Afor Frish House
To what service attached, 26 2 76
Name and rank of commanding officer, Amer a knuts
Matirifa
Name and position of observer, Marlengh ton

1320 mens allained They Ecup Hat fish Rkate 4 Starfish, Spider & hermie Crabe Head orster & scallof shells

	Instrument used, Ream Frank
	Current number of observation, 1320 72
	Date, Sept 19' 88
	Locality, Providence River
	Bearings, Conincello Li & X 8/4 S
4	Elocho de Traxtiux Syst Pt Ax &
	Time of day, 1.4 & Pen; of tide, Flood 12 25
	State of sky, Cloudy
	Temperature of air,
	" surface of water, 67,5
	" at depth of fathoms,
	". of bottom, 60.71
	Depth, in fathoms,
	Nature of bottom, Free Ashello
	Direction of Surface current, And
	Force of surface our ent.
	Direction of belless our East
	Force of bottom current, Sand
	Name of vessel, 26 f ftr tick of purile
	To what service attached, WA H. L.
	Name and rank of commanding officer,
	mit it is
	Name and position of observer,
	9 2

Hat Jich spider crabe King Crabe skale, Pipe fish Sculpin, seed yeter + acallap

Instrument used, Bellen Travel.
Current number of observation, 1321
Date, 24/219" 28"
Locality, Powedence Haron
Bearings, Commiscut de 5/26
livele Lerrxx trayat PE EXS
Time of day, 1, 58 flee; of tide, Hord 1222
State of sky, Clindles
Temperature of gir, 67
" surface of water, 67.5
" at depth of fathoms.
" of bottom,
Depth, in fathoms,
Nature of bottom, 1 Grand & shell
Direction of makes current, AAW
Force of miller and 2
Direction of Metrophysics,
Force of bottom current,
Name of vessel, 26 A Ata Fish Hawk
To what service attached, 26 A 7 6
Name and rank of commanding officer. Lames a to the
Unate of me
Name and position of observer.
- And my har
In aterefor
6

132,20 REMARKS. Skate Hat ish germil 6, ale Dead often scally & much shell

Instrument used, Beau Frank
Current number of observation. /3 2 2
Date. Left 19" 87
Locality, Providence River
Bearings, Committee & S/4 6
Modeste SE')48 Augst Pl EXS/28
Time of day, 2.22 plu; of tide, / & floor
State of sky, Andy
Temperature of air, 66
" surface of water, 65.4
" at depth of fathoms,
of bottom, 64
Depth, in fathoms,
Nature of bottom. Sand Gravel
Direction of surface current, when
Force of current,
Direction of bottom current,
Force of bottom current,
Name of vessel, Fish Hawle
To what service attached, 26 & 3-6
Name and rank of commanding officer James almille
Concile It is
Name and position of observer,
Milanishion
Court leg van
ESMARKE

/32-3 REMARKS.

Lead on the & Leallop chelle

Instrument used, a set of southing so
Current number of observation, 1323
Date, Sept 24
Locality. Prov River
Bearings, Cornincial de Sxr/8 W
locked to Am. Nayat Plas E/ &
Time of day, 11.15 use; of tide. High Water
State of sky,
Temperature of air,
" surface of water, 644
" at depth of fathoms,
of bottom. 62.5
Depth, in fathoms, 23/4
Nature of bottom, Hard Sauce
Direction of perface current, WAS
Force of suffee current.
Direction of bottom current,
Force of bottom current,
Name of vessel, Lish Hawle
To what service attached, 1687.
Name and rank of commanding officer Anna a Amarka
Chrotolly
Name and position of observer, Windows, John
Chate yrome

UNIVERSE

1324
REMARKS.

Specimens Oblained

Live agets + leallof shells and

4 apinges.

Train Annat Senda

Instrument used, Optin Harage
Current number of observation, /32 #
Date. Sept 24
Locality, Por Runn
Bearings, Commicut de & p. &
elocho Serry 14x Nayat 12 8 8 3/4 8
Time of day, 1, 15 Ru : of tide. 10 Dr Elfo
State of sky, Boally Cloudy
Temperature of air.
" surface of water, 6415
· at depth of fathoms,
" of bottom, 43
Depth, in fathoms, 3/4
Nature of bottom, Kenny
Direction of surface current + 16
Force of surface current.
Direction of bottom current,
Force of bottom current,
Name of vessel, Fish Herrite
To what service attached, 26 & 7 6
Name and rank of commanding officer James & Smith
" Thating me
Name and position of observer, sich aughann
Great 84 50

Specimens (parined Dual Oystor & scall & Shell 3 Stonfinh

Instrument u	used, Organis	· and	6000	
Current num	ber of observati	on, /32	25	77
-	pt 2.4	467		
Locality,	, From	Re	Sylen from	
Bearings.	onemic C	utde	87/86	
Mode	DEANYE. 1.35	W AR	yat pl	86148
Time of day	1,35	of tide,	7 de	Show
	, be			
Temperature	e of air.	2-6		
64	surface of water	r, 64,	5	
**	at depth of	fathom	s,	
• 6	of bottom,	63		
Depth, in fa	thoms,	3/2	6	
Nature of be	ottom, .	Hand		1
Direction of	Tirfice current	~ A)	45	
Force of sur	face current,			
Direction of	bottom current,			
Force of bo	ttom current,	4 1		
	ssel, Zin			
	vice attached,			-
Name and r	ank of command	ling office	umeo a s	Smith
		The	deller	The same of the sa
Name and p	position of observ	er ml	in hills	•
•		4	sept 4 i	Lycon

Robertmeno Chlaimed. Robertmeno Desi Byte 420allope shells.

*
Instrument used Oppler Handy
Current number of observation, 1326
Date, 24 2 4 88
Locality, Pour River
Bearings, Commiscut St 278 &
locks annin Nayat Pl & E
Time of day, / 54 Rue, of tide, / 25 Elli
State of sky, b-
Temperature of air,
" surface of water, 64
" at depth of fathoms,
of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface current, 12
Force of surface ourrent.
Direction of bottom current,
Force of bottom current,
Name of vessel, Tinh Aarob
To what service attached, % & 7 6
Name and rank of commanding officer
materfr
Name and position of observer
mate of for

Apecimen attained Blad Municipalis. + 2 starfish,

A EMPERIOR OF BEEDERS

	Instrument used, Orptur Klindge
	Current number of observation, /3 2 7
	Date, purt 24
	Locality, Port Person
	Bearings, Commicul de S/4 &
£	Work le Am /4W Nayat Pt SE/4 S
	Time of day, 2,10 ker; of tide, 12 2r Eller
	State of sky,
	Temperature of air,
	" surface of water, 64 W
	" at depth of fathoms,
	" of bottom, 64
	Depth, in fathoms, 10 12 Jul
	Nature of bottom,
	Direction of Surface current, ALE
	Force of surface current,
	Direction of bottom current,
	Force of bottom current,
	Name of vessel, - Tih Howard
	To what service attached, 26 & 76
	Name and rank of commanding officer, Ames & South
	made before
	Name and position of observer, that we want
	much Ufar

Specimens alleined dian claw and rate abello. 3 stanfield 2 winkels.

	Instrument used, Oyster Levelge	
	Current number of observation, 1328	7 82
	Date, Sept 24 88	
	Locality, Priv River	
	Bearings, Commicul de S/1 &	
L	llocks dermin/4 w Nayat PESE	LS
	Time of day, 2.2010; of tide, 22 Elile	3-3-0
	State of sky, Clear	,
	Temperature of air,	
	" surface of water, 6405	
	" at depth of fathoms,	
	" of bottom, 64	
	Depth, in fathoms, // feet	
	Nature of bottom, , Seud	
	Direction of current, A. A. A. S.	
	Force of weight	
	Direction of bottom current,	
	Force of bottom current,	
	Name of vessel, Wol Fish Hawk	No.
	To what service attached, Ho & 745	p 3
	Name and rank of commanding officer	is the
	greate by	I have
	Name and position of observer,	
	Menighta	_
	11 G	

Decimeno Oblains Dead claire : Onto and ecallop shells.

2 Starfish

Instrument used, Orpter Develof	
Current number of observation, /329 * 8	/
Date, Sept 24 00	
Locality, Providence	
Bearings, Carrimi cut Le South	
elocks Sin N Drayat Pt 88/4 &	
Time of day, 2,34; of tide, 2" or Elle	
State of sky,	
Temperature of air,	
" surface of water, 6415	
" at depth of fathoms,	
" of bottom,	
Depth, in fathoms, 274	
Nature of bottom,	
Direction of surface current, AAE	
Force of surface current.	
Direction of bottom current,	
Force of bottom current,	
Name of vessel, Fish Hawth	
To what service attached, 26 & 7 6	
Name and rank of commanding officer Januar & Januar	1
Name and rank of commanding others have the	
Name and position of observer,	
mungaliv	

1330 REMARKS. Specimens Offaince Alan Clares Alean Cogston chello Renoven Afraso

14

4-1-14--- 1 THE HEAD IN

Instrument used, Onte Loud for
Current number of observation, 1330 ×85
Date, Sept 21
Locality, Propretty
Bearings, Committee St 3 /4 W
ello des Le Am & m/2 ir Aayat PSE X81/48
Time of day, 3,12 12; of tide, /2 Elble
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 Structure, It A &
Force of multiple 3
Direction of bottom current,
Force of bottom current,
Name of vessel, Fish Humb
To what service attached, 26 7 76
Name and rank of commanding officer, which is the same of the same
mode of rem
Name and position of observer,
menghon
midely

Pleasure attained Auch them + dear year energy Len week from

Instrument used, Onto Brilis	•
Current number of observation. 73 36	- 86
Date, page 24	
Locality, Port & Com	
Bearings. Commicut di-S/2W	
elocks armin'/4 w Nayat Pt & E.	X83/48
Time of day, 3.24 : of tide. /2 2hh	
State of sky, Cleur	
Temperature of air,	
surface of water, 65	
" at depth of fathoms,	
" of bottom,	
Depth, in fathoms, 6 Jeels	
Nature of bottom,	
Direction of surface asserts, AAC	
Force of surface current,	
Direction of bottom current,	
Force of bottom current,	
Name of vessel,	
To what service attached, 26 A	1 1 1
Name and rank of commanding officer floring &	Esculte
muletific	
Name and position of observer.	-
Mountain	Adami.
o hall al	

/333 REMARKS.

Served Afrasa

Instrument used, Dyster And gar
Current number of observation, 1332 & 27
Date, Sept 24 86
Locality, Por Rino
Bearings, Leminicul LE & X W
Modes Cerryn's Way at 1 82 x8/28
Time of day, 3.30 ; of tide. 3 & Eller
State of sky,
Temperature of air, 60
" surface of water, 65
" at depth of fatheris,
of bottom.
Depth, in fathoms. 4 Juli
Nature of bottom.
Direction of surface current, AAG
Force of surface current.
Direction of bottom current,
Force of bottom current,
Name of vessel, Fish Hambs
To what service attached, % 3 } .
Name and rank of commanding officer works to the service of the se
Name and position of observer, the supplies
mati definal

were ifrass.

Instrument used, Oyster Anelys 488
Current number of observation, / 3 3 3
Date Dept 24 30
Locality. Prov Roser
Bearings, Commiscul de SXW14W
ilisches armijen rayat Pl & EXS
Time of day, 3.35 ; of tide. 322 EAG
State of sky, Clear
Temperature of air,
" surface of water, 64.5
" at depth of fathoms,
" of bottom, 64,
Depth, in fathoms, 5 fell
Nature of bottom,
Direction of surface current, AAB
Force of surface current,
Direction of Lettern America
Force of bottom current,
Name of vessel,
To what service attached, 26 76
Name and rank of communding officer where A from the
Prille Refere
Name and position of observer,
of miles of their
POR ARRIA PROPERTY

herau gypter shells

1
Instrument used, Onthe Mulfr 89
Current number of observation, /3 3 4
Date, Sept 25 88
Locality, Por Rever
Bearings Carrimian Le-6786
elloches liter In Mayat Pt & 2/4 80
Time of day, //, 30 au ; of tide, 4" & flood
State of sky, Chudy
Temperature of air,
" surface of water, 64
" at depth of fathoms,
" of bottom,
Depth, in fathoms, 2 1/4
Nature of bottom, Kard
Direction of purious current. N
Force of surface envent, 2
Direction of bottom
Force of bottom current,
Name of vessel, The Armsh
To what service attached, 26 A 7 6
Name and rank of commanding officer amer to the
more life
Name and position of observer.
J. mlenejakan
malente

/336 REMARKS.

The cinem Oftained apples shells

	Instrument used, Orgeton almost fr
	Current number of observation, 1335 '90
	Date, Sept 25. 88
	Locality, Proper Proper
	Bearings, Commissible Re & X &
1	Moderax WIN Nagat Pt SE/48
	Time of day, 11,45 ; of tide, 4 22 flood
	State of sky, Cloudy
	Temperature of air,
	" surface of water, LL
	" at depth of fathoms,
	" of bottom.
	Depth, in fathoms, 2 ?/ 4
	Nature of bottom, . Caul
	Direction of surface current of &
	Force of successive 2
	Direction of hatton our trans-
	Force of bottom current,
	Name of vessel, Fish Hawk
	To what service attached, 26 \$ 76
	Name and rank of commanding officer lames & Amilia
	mate you
	Name and position of observer,
	· Strainsphow
	made offer

14- 4 190 .6, 1/2 15-14 5-1/2 20,6 44 15 53, 58 2 Stapita dead Oysten shalls 93 Llan yster Shells 101 103 104 118 119 15 - 35 - 202 LE 11 HH HH HI

restrain other in Brendown Beef