

1809 SEXE Plantalin Flats ir & lehempelme St Ho Ships Head Smx S Ships Kead Now 1/2 W a P Hat SE1/2 & Uhrnjeine ENE Ships Kease Mary 12 W New Room Smxw Kney Zing AMXV Thips send EXA'/2 Ir Stry To m & S

Station No. 1809
Date, Annaby 8" 1892
Time of day, 7, 26 m; of tide, Hind
Locality, Chesapeake Bay
Exact position, Randalin Si 40 38 18/4 mil
henystom St KONE 1/46 2/8
Depth, 13 Mhs
Nature of bottom, Slicky
Dredging instrument used, 7 th Ream Frank
Direction of drift, & X 5; distance, 18 mile
Temperature of air, 60 therm. No.,
" of surface water, "
" at depth of fathoms, "
" at bottom,
Density at surface, 10.200 temp., 53
" at depth of fathoms, "
" at bottom, 10220 " 57
Number of salinometer,
Barometer reading, 30-18
State of sky, Elander
Direction of wind, & # ; force, 3
Rain,
Direction of surface current, ; force,
" of bottom "; force,
Name of vessel, 20176 Str Fish Hewste
Service to which attached, 4 6 7 6
Name and rank of commanding officer,
Robert Plate So Hof n
Name and position of observer,
Mila 1

NOTES RELATING TO STATION NO. 1809 Scroukero Hounds of

Station No. 1810
Date, Swember 8' 1892
Time of day, 9,45 Ami of tide, Hond
Locality, Chesapeake Bay
Exact position, 1/2 hill & mx m/s Ar of Ree
Sorry NO 8
Depth, 24 Julias
Nature of bottom, Hand
Dredging instrument used, That Beau Frank
Direction of drift, & & & ; distance, /8 mil
Temperature of air, 60 therm. No.,
" of surface water,
" at depth of fathoms, "
at bottom,
Density at surface, 10200 temp., 54
" at depth of fathoms, "
" at bottom, 1021.6 " 58
Number of salinometer,
Barometer reading, 30./8
State of sky, Colombay
Direction of wind, 8 + ; force, 3
Rain,
Direction of surface current, ; force,
, " 'of bottom " ; force,
Name of vessell 176 Hr Fish Huwk
Service to which attached, 2017 Com-
Name and rank of commanding officer,
Robert Matt St 268 n
Name and position of observer,

NOTES RELATING TO STATION NO. 1816 Hog choken andro, Starfish bemaker Whitings / 2 jung trust Crobs - neptunus gibbersi

Station No. /8 //
Date, Arrender 8" 1892
Time of day, 11,04 m; of tide, Floor
Locality, Cherapeake Ray
Exact position, New Pt St Ho W/8 85/4 mile
of Ings So HO 1×147/8 .
Depth, 6 files
Nature of bottom, Stand
Dredging instrument used, Ream Frank
Direction of drift, S& W ; distance, 1/8 mile
Temperature of air, 66 therm. No.,
" of surface water,
" at depth of fathoms, "
at bottom, "
Density at surface, /0/82 temp., 58
" at depth of fathoms, "
" at bottom, 10194 "58
Number of salinometer,
Barometer reading, 3018
State of sky, Claudy
Direction of wind, 8 W ; force, 2
Rain,
Direction of surface current, ; force,  " of bottom " : force,
Name of vessel, US76 Str Fish Hawk
Name of vessel, a of the or the transfer
Service to which attached, USFlern
Rame and rank of commanding officer,
Name and position of observer,
Mullinghlow
matell Sh

NOTES RELATING TO STATION NO. 1811 Sports whilings Houndless

Station No. / 6 / 2
Date, Arrender ("1892
Time of day, / Rue ; of tide, Hers
Locality, Chrisapeake Ray
Exact position. 12 mile NE 7/2 & of Stingray Pe
Co 140
Depth, 4.7 ths Tell
Nature of bottom, How
Dredging instrument used, Rlam Barol
Direction of drift, AMM ; distance, 1/8 miles
Temperature of air, 64 therm. No.,
of surface water,
" at depth of fathoms, "
at bottom,
Density at surface, 10/62 temp., 57
" at depth of fathoms, "
" at bottom, 10164 " 59
Number of salinometer,
Barometer reading, 30/8
State of sky, Windy
Direction of wind, AVE ; force, 3
Rain,
Direction of surface current, ; force,
" of bottom " ; force,
Name of vessel, 26 & 76 Str Fish Hawte
Service to which attached, 46 & 7 Con-
Name and rank of commanding officer,
Cabert Plate St 26 5m
Name and position of observer,

NOTES RELATING TO STATION NO. 18/2 About two dozen small sport

Station No. 1813
Date, Mr 100 10 m
Time of day, 1100; of tide, Herry
Locality, lepisorpers Boly
Exact position,
1/2 miles NEXA of Smites Pt St Ho
Depth, 10 ths 24
Nature of bottom,
Dredging instrument used,
Direction of drift, & 6 ; distance, 14 mile
Temperature of air, \(\frac{1}{2}\) therm. No.,
" of surface water, "
" at depth of fathoms, "
" at bottom,
Density at surface, 10   J. 4 temp., J6
" at depth of fathoms, "
" at bottom, 10 15.8 " JU
Number of salinometer,
Barometer reading, 2-9,9 b
State of sky, Clarky transfer
Direction of wind, , ; force,
Rain,
Direction of surface current, ; force,
" of bottom "; force,
Name of vessel, UX76 Am Fish Hards
Service to which attached, M ( 7-0)
Name and rank of commanding officer,
Name and position of observer,

NOTES RELATING TO STATION NO. 18/5 Francis Crabe

idi
Station No. 1814
Date, March 20th 1893
Time of day, 11, 19 am; of tide, High Water
Locality, month of Chesepeake Buy Experiments of the Speake Buy Exact position, 13 mg 18 5 sixe 194 mile
Depth, 13 Pths
Nature of bottom, Hand
Dredging instrument used, Beau Frank
Direction of drift, 24 8 W; distance, 1/4 mile
Temperature of air, therm. No.,
" of surface water, H 2 "
" at depth of fathoms, "
" at bottom,
Density at surface, 1019.2 temp., 42
" at depth of fathoms, "
" at bottom, "
Number of salinometer,
Barometer reading, 30, + 20
State of sky, B. Lelear
Direction of wind, Arth; force, 2
Rain,
Direction of surface current, ; force,
" of bottom "; force,
Name of vessel, US 76 Str Fish Karok
Service to which attached. 26 6 4 6
Name and rank of commanding officer, Robert Platt
Name and position of observer,

NOTES RELATING TO STATION NO. 1414 Star fish orab behrimp Jellow rock spang rase, 1 young florender

1811-
Station No. 18/5
Date, march 20th 1893
Time of day, 11,400m; of tide, Elf Zide
Locality, month Celusapeake Bay
Exact position, Cake Neury St Ho bom 8 mx 8
visland & Tof miles
Depth, 13 fths 2 feet
Nature of bottom, Hard
Dredging instrument used, Beau Trawl
Direction of drift, 3 X W/2 W; distance, 1/4 mile
Temperature of air, 58 therm. No.,
" of surface water, 143 "
" at depth of fathoms, "
" at bottom, "
Density at surface, 1619, 2 temp., 43
" at depth of fathoms,
" at bottom, "
Number of salinometer,
Barometer reading, 30 42
State of sky, B-Colean
Direction of wind, And ; force, 2
Rain,
Direction of surface current, ; force,
" of bottom "; force,
Name of vessel, 26 & 7 6 Atr Fish Hamh
Service to which attached, 26676
Name and rank of commanding officer, Robert Plant
1 1-11 (2)
Lieut-26 gn
Name and position of observer,
man non
nou you

NOTES RELATING TO STATION NO. 18 Starfish young kake Leawerd sponge, Grabe Schimp

Station No. 1816
Date, March 21th 1843
Time of day, 12,13 Peu; of tide, letter Video
Locality, much of Cherapeake Bay
Exact position, Cape Neury 5 56.
tislant 1/2 miles
Depth, 11 7th 3/c
Nature of bottom, Hand
Dredging instrument used, Ream Frank
Direction of drift, 888; distance, 14 mile
Temperature of air, of therm. No.,
" of surface water, 43 "
" at depth of fathoms, "
" at bottom,
Density at surface, 1018,6 temp., 443
" at depth of fathoms, "
" at bottom, "
Number of salinometer,
Barometer reading, 30,441.5
State of sky, Blees
Direction of wind, North; force, 2
Rain,
Direction of surface current, ; force,
" of bottom "; force,
Name of vessel, 26 176 Str Fish Hawke
Service to which attached, 26 8 76
Name and rank of commanding officer, Potent Plate
Lieut 16 & W
Name and position of observer,
Jackenightong
materific

NOTES RELATING TO STATION NO. 1816 Skate Whi Blue crabe starfish Shrimp, Skate Eggs

1.1
Station No. /8/7
Date, March 20th 1893
Time of day, 12, 53 Plu; of tide, Elle
Locality, month of Chesapeake Bay
Exact position, Cape Kenny EXS 3 miles
Symbory Day S & W 112 miles
Depth, 4 this 370
Nature of bottom, Herry
Dredging instrument used, Reary Frank
Direction of drift, SXW ; distance, /4 mile
Temperature of air, 6/ therm. No.,
of surface water, 44 "
" at depth of fathoms, "
" at bottom, "
Density at surface, 1017,4 temp., 44
" at depth of fathoms, "
" at bottom, "
Number of salinometer,
Barometer reading, 2042
State of sky, Elear
Direction of wind, Anth; force, 2-
Rain,
Direction of surface current, ; force,
" of bottom " ; force,
Name of vessel, USF Ish Hawk
Service to which attached, 26 8 7 6
Name and rank of commanding officer, Pobert Platt
Louis 26gm
Name and position of observer,
11/4

NOTES RELATING TO STATION NO. 1817 Starpish shrimp and 2 blue crabe grass

Station No. 18/8
Date, March 20th 1893
Time of day, 1. 2 6 Plu; of tide, aft-
Locality, Off Lynhaven Bay
Exact position, Snynham Entrance 5 x 6
miles leaper Neury & X & 6 miles
Depth, 4.5
Nature of bottom, Nard
Dredging instrument used, Beau Frank
Direction of drift, & \$ ; distance, 14 mill
Temperature of air, 6 5 therm. No.,
" of surface water, 43 "
" at depth of fathoms, "
at bottom,
Density at surface, 10/6.18 temp., 43.5
" at depth of fathoms, "
" at bottom, "
Number of salinometer,
Barometer reading, 30,7/10
State of sky, Cease
Direction of wind, Arth; force, 2
Rain,
Direction of surface current, ; force,
" of bottom " ; force,
Name of vessel, 26 & 76 Str Fish Hewk
Service to which attached, USAL
Name and rank of commanding officer, Robert Plett
Loient 26 dr
Name and position of observer,
James and position of observer, Immerighter matrupe
matrupe

NOTES RELATING TO STATION NO. 1/18 Joans. hate eggs

Station No. 1819
Date, March 21th 1893
Time of day, 2.0 8 PM; of tide, bbb
Locality, Chesapeake Bay 51/11
Exact position, Fort Worl An Xw Imiles
hinkle St Hott AW & miles 4/14
Depth, 4,/
Nature of bottom, Stickey
Dredging instrument used, Blim Frank
Direction of drift, & X & ; distance, 1/4 mile
Temperature of air, 63 therm. No.,
" of surface water, 4 3 "
" at depth of fathoms, "
" at bottom,
Density at surface, 10.16, 6 temp., 44
" at depth of fathoms, "
" at bottom, "
" at bottom, " Number of salinometer,
Number of salinometer,
Number of salinometer,  Barometer reading, 30,41
Number of salinometer,  Barometer reading, 30,41  State of sky,
Number of salinometer,  Barometer reading, 30,41  State of sky,  Direction of wind, Anth; force, 2
Number of salinometer,  Barometer reading, 30,41  State of sky,  Direction of wind, Anth ; force, 2  Rain,
Number of salinometer,  Barometer reading, 30,41  State of sky,  Direction of wind, And ; force,  Rain,  Direction of surface current, ; force,  " of bottom " ; force,
Number of salinometer,  Barometer reading, 30,41  State of sky,  Direction of wind, And ; force,  Rain,  Direction of surface current, ; force,  " of bottom " ; force,  Name of vessel, 2657634 Arish Hand
Number of salinometer,  Barometer reading, 30,4/  State of sky,  Direction of wind, And ; force,  Rain,  Direction of surface current, ; force,  "of bottom "; force,  Name of vessel, 26,576 34 Fishbourd.  Service to which attached, 26,576
Number of salinometer,  Barometer reading, 30,41  State of sky,  Direction of wind, And ; force,  Rain,  Direction of surface current, ; force,  " of bottom " ; force,  Name of vessel, 2657634 Arish Hand
Number of salinometer,  Barometer reading, 30,4/  State of sky,  Direction of wind, And ; force,  Rain,  Direction of surface current, ; force,  "of bottom "; force,  Name of vessel, 26,4,5,4,6,5,4,6,4,4,4,4,4,4,4,4,4,4,4,4,
Number of salinometer,  Barometer reading, 30,41  State of sky,  Direction of wind, And ; force,  Rain,  Direction of surface current, ; force,  "of bottom "; force,  Name of vessel, 26,74, 34, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4

NOTES RELATING TO STATION NO. 1819 Eight dead blue constrain fir to save

Station No. 1820
Date, March 20th 1893
Time of day, 2,50 Pew; of tide, Ebb-
Locality, Cherapeake Bay
Exact position, Fortnorth harmiten anil
himble Set Ho Anth 33/4 miles
Depth, 3, 2
Nature of bottom, Hand
Dredging instrument used, Bessen Frank
Direction of drift, NAW; distance, 18 mile
" of surface water, 44 "
" at depth of fathoms, "
" at bottom, "
Density at surface, 10/6 temp., 44
" at depth of fathoms, "
" at bottom, "
Number of salinometer,
Barometer reading, 30,4/
State of sky, Leleur
Direction of wind, North; force, 2
Rain,
Direction of surface current, ; force,
" of bottom " ; force,
Name of vessel, 26 176 The Fish Hearth
Service to which attached, 26 5 7 6
Service to which attached, 200 of 200
Name and rank of commanding officer, Robert Pale
Locent 26 3 h
Name and position of observer,

NOTES RELATING TO STATION NO. 1820 1 Dual Crab 1 Conch a few shrimp

Station No. 1821
Date, March 20 tt 1893
Time of day, 3, 18 Plu; of tide, Ebb
Locality, Thimble A/2 W 1/2 miles
Exact position, Thinkle St Ho A/2W1/2 mile
Fortwood H/LS 2/2 miles
Depth, 3, 4
Nature of bottom, Slickey
Dredging instrument used, Ream Grand
Direction of drift, Shx 3 ; distance, /8 mile
Temperature of air, 62 therm. No.,
" of surface water, # 5, 5 "
" at depth of fathoms, "
" at bottom,
Density at surface, 1016 temp., 43,
" at depth of fathoms, "
" at bottom, "
Number of salinometer,
Barometer reading, 30:4/
State of sky, Keleh
Direction of wind, Anth ; force, 2
Rain,
Direction of surface current, ; force,
" of bottom " ; force,
Name of vessel, U 176 St. Fish Hawk
Service to which attached, 26 874
Name and rank of commanding officer Robert Platt
Lount 26 5 TV
Name and position of observer,

NOTES RELATING TO STATION NO. 1821 4 menhadere small Skongo and differ zut kinds

Station No. 1822	
Date, MArch 21	1893
Time of day, 9,56 Mm; of tide,	Flood
Locality, Chesipiake Be	en.
Exact position, Plantation Hat	TOHOEXS/2S
1/2 miles Cherry stan St A FE /	Exporiles
Depth, /5,/	
Nature of bottom, Saft	
Dredging instrument used, Ressur	laure :
Direction of drift, $\mathcal{E} \setminus \mathcal{S}$ ; distant	nce, /4 mile
Temperature of air, 59	therm. No.,
" of surface water, 42, J	- "
" at depth of fathoms,	
" at bottom,	и
Density at surface, /0/84	* temp., 4 2 15
at depth of fathoms,	
" at bottom,	" ?
Number of salinometer,	
Barometer reading, 30.23	
State of sky, lehnedy	
Direction of wind, 338; force	, _3
	, _3
Direction of wind, 3 3 5; force Rain,	,; force,
Direction of wind, 3 % ; force Rain, Direction of surface current,  " of bottom "	; force,
Direction of wind, 3 % ; force Rain, Direction of surface current,  " of bottom "	; force,
Direction of wind, 3 % ; force Rain, Direction of surface current,  " of bottom "  Name of vessel, 26 5 76 567 8  Service to which attached, 26 5 7	; force, ; force, Fish Hawk
Direction of wind, 3 % ; force Rain, Direction of surface current,  " of bottom "  Name of vessel, 26 5 76 567 8  Service to which attached, 26 5 7	; force, ; force, Fish Hawk
Direction of wind, 3 % ; force Rain, Direction of surface current,  " of bottom "  Name of vessel, 26 5 76 56 5	; force, ; force, Fish Hawk
Direction of wind, 3 % ; force Rain, Direction of surface current,  " of bottom "  Name of vessel, 26 8 76 86 8  Service to which attached, 26 8 7  Name and rank of commanding officer,	; force, ; force, Fish Hawk
Direction of wind, 3 % ; force Rain, Direction of surface current,  " of bottom "  Name of vessel, 26 5 7 6 5 7  Service to which attached, 26 5 7  Name and rank of commanding officer, of the surface o	; force, ; force, Fish Hawk
Direction of wind, 33 & ; force Rain, Direction of surface current,  " of bottom "  Name of vessel, 26 5 76 56 7  Service to which attached, 26 5 7  Name and rank of commanding officer, 6	; force, ; force, Fish Hawk

NOTES RELATING TO STATION NO. fish winkle shring

Station No. 1823 9	
Date, March 2 127893	
Time of day, 10,2 2 9m; of tide, Flore	
Locality, Chesapeake Bay	
Exact position, Plantalin Het Solto SENE 1/8 has	
lehrmatim Doto NE /2 & 2 miles	
Depth, 267ths	
Nature of bottom, Aard	
Dredging instrument used, Beau Frank	
Direction of drift, Ex 8/2 \$ ; distance, /2 mile	
Temperature of air, \(  \) therm. No.,	
" of surface water, 4/ "	
" at depth of fathoms, "	
" at bottom,	
Density at surface, 1018.4 temp., 4/	
" at depth of fathoms, "	
" af bottom,	
Number of salinometer,	
Barometer reading, 30,22	
State of sky, landy, Driggling main	
Direction of wind, S & & ; force,	
Rain,	
Direction of surface current, ; force,	
" of bottom " ; force,	
Name of vessel, 26 57 6 Str. Fish Hawle	
Service to which attached, 2676	
Name and rank of commanding officer, Robert Plate	
Louist 26 bh	
Name and position of observer	

NOTES RELATING TO STATION NO. 1823 lorabe Hake starfish minhles, desorità Crata Sea Cumbers, Peclin shell with Coral on same, Shrimp Spider crabe

Station No. 1834

# RECORD OF DREDGING,

Time of day, 10.56 am; of tide, Horr
Locality, Chesaperke Bay willer
Exact position, Plantalion Har Scho SEXE mil
Cherneline Se Ho 1 & 2 miles
Depth, 2 3
Nature of bottom, Hand
Dredging instrument used, Repur Frank
Direction of drift, E/2 A; distance, 14 mile
Temperature of air, \(  \) therm. No.,
" of surface water, H/ "
" at depth of fathoms, "
" at bottom, "
Density at surface, 2018.4 temp., 4/
" at depth of fathoms, "
" at bottom,
Number of salinometer,
Barometer reading, 30 22
State of sky, Celally Driggling rain
Direction of wind, 356 ; force,
Rain,
Direction of surface current, ; force,
" of bottom " ; force,
Name of vessel, 26 A 76 St. Fish Kante
Service to which attached, 26176
Name and rank of commanding officer, Robert Phales
Lieut 26 gr
Name and position of observer,
polemethon ,

Notes relating to station no. 1824
Southing Act Come very baddley

Station No. 1825
Date, March 2/4-1893
Time of day, 11, 3 3 %; of tide, Hord
Locality, Chrisopenke Bay
Exact position, Randalim Hat SONO 38/28'2
iles likerystom So 140 AEXE 2 1/4 mil
Depth, 18, 5
Nature of bottom, Stidey
Dredging instrument used, Oyster Andge
Direction of drift, 1/2 th.; distance, 14 mile
Temperature of air, U/ therm. No.,
" of surface water, 4 / "
" at depth of fathoms, "
" at bottom,
Density at surface, 1018.8 temp., 441
" at depth of fathoms, "
" at bottom,
Number of salinometer,
Barometer reading, 30,22
State of sky, Cloudy Drigglog oren
Direction of wind, 88 ; force, 3
Rain,
Direction of surface current, ; force,
" of bottom " ; force,
Name of vessel, 26 876 Str Fish Hawk
Service to which attached, 4176
Name and rank of commanding officer, Robert Mall
Louist 26 Sh
Name and position of observery
Interrighton materific
matinger

See cucumbers mud

TEMPERATURE AND DENSITY.

Station No. 1826
Date, March 24/893
Time of day, 1. 03 Pin; of tide, Fland
Locality, Mobjacke Bay
Exact position, New Pt 7 1 27 mi
Imhala So Ko
Depth, 4/3
Nature of bottom, Nature
Dredging instrument used, Beau Zourl
Direction of drift, EXA ; distance, 1/4 mile
Temperature of air, 63 therm. No.,
" of surface water, // 2 "
" at depth of fathoms, "
at bottom.
Density at surface, \$0.15.6 temp., #2
" at depth of fathoms, "
" at bottom, "
Number of salinometer,
Barometer reading, 29.87
State of sky,
Direction of wind, South ; force, 3
Rain,
Direction of surface current, ; force, .
" of bottom " ; force,
Name of vessel, 26 876 Str Fish Hawk
Service to which attached, 26876
Name and rank of commanding officer, Pobert Platt
Lieut Ugn
Name and position of observer,
Menghlon
matchelin

Barren bottom 4 shrimp

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12/2/2014

TEMPERATURE AND DENSITY.

Station No. 1829
Date, March 24" 1893
Time of day, 3, 5 4 Ren; of tide, Hord
Locality, Chesoperhills any
Exact position, Simfray Post Ho A W/4 m 3/8
Windmill Pt St. Not XXY8W 47/8W
Depth, 474
Nature of bottom, Stickey
Dredging instrument used, Beam Frank
Direction of drift, EXA ; distance, 1/8; mile
Temperature of air, 63 > therm. No.,
" of surface water, 42 "
" at depth of fathoms, "
" at bottom, "
Density at surface, 10140 temp., 242
" at depth of fathoms, "
" at bottom,
Number of salinometer,
Barometer reading, 2983
State of sky, Clindy
Direction of wind, South ; force, 4
Rain,
Direction of surface current, ; force,
" of bottom "; force,
Name of vessel, 26876 Str Fish Nauk
Service to which attached, 26 476
Name and rank of commanding officer, Robert Platt
Sout- 26 Sh
Name and position of observer,
Interreghton
Inderighton That refer

NOTES RELATING TO STATION NO. 1827 I fero amall arabs I drill

TEMPERATURE AND DENSITY.

Station No. 1828	
Date, March 24" /	893
Time of day, 3, 38 Ruo; of tide,	
Locality, Cherapeake	Bus
Exact position, Mingrey & States	Arxw/zw/2 mile
made mill of St 140 11	6/26 2 78mi
Depth, 4. 2	
Nature of bottom, Man &	
Dredging instrument used, Beam	Trank
Direction of drift, Ab XA; dista	
Temperature of air, 62	therm. No.,
" of surface water, 42	
" at depth of fathoms,	
" at bottom,	44
Density at surface, /0/40	temp., 43_
" at depth of fathoms,	
" at bottom,	"
Number of salinometer,	
Barometer reading, 2982	
State of sky, Cloudy	
Direction of wind, South ; force	e, #
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel, 2617691 94.	h Hairk
Service to which attached, 26 19 6	
Name and rank of commanding officer,	obni Reali
Laint 76 g m	
Name and position of observer,	-/-
preleur	Milne

NOTES RELATING TO STATION NO. 1828 & few ayeters shrimp. grass

### TEMPERATURE AND DENSITY.

Station No. 1829	
Date,	
Time of day, ; of tide,	
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift, ; distance,	
Temperature of air, therm. No.,	
· " of surface water, "	
", at depth of fathoms, "	
" at bottom,	
Density at surface, temp.,	
" at depth of fathoms, "	
" at bottom,	
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind, ; force,	
Rain,	
Direction of surface current, ; force,	
" of bottom "; force,	
Name of vessel,	
Service to which attached,	

Name and position of observer,

Name and rank of commanding officer,

### TEMPERATURE AND DENSITY.

Station No.

Date,

Time of day,

; of tide,

Locality,

Exact position,

Depth,

Nature of bottom,

Dredging instrument used,

Direction of drift,

; distance,

Temperature of air,

therm. No.,

of surface water,

" at depth of fathoms,

" at bottom,

at depth of

temp.,

Density at surface,

fathoms,

14

" at bottom,

44

Number of salinometer,

Barometer reading,

State of sky,

Direction of wind,

; force,

Rain,

Direction of surface current,

; force,

" of bottom

; force,

Name of vessel,

Service to which attached,

Name and rank of commanding officer,

### TEMPERATURE AND DENSITY.

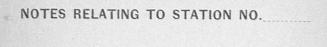
Station No. Date, Time of day, ; of tide, Locality, Exact position, Depth. Nature of bottom, Dredging instrument used, ; distance, Direction of drift, therm. No., Temperature of air, of surface water, at depth of fathoms, at bottom, Density at surface, temp., at depth of fathoms, at bottom, Number of salinometer, Barometer reading, State of sky, Direction of wind, ; force, Rain. Direction of surface current, : force, of bottom " ; force, Name of vessel, Service to which attached,

Name and position of observer, ·

Name and rank of commanding officer,

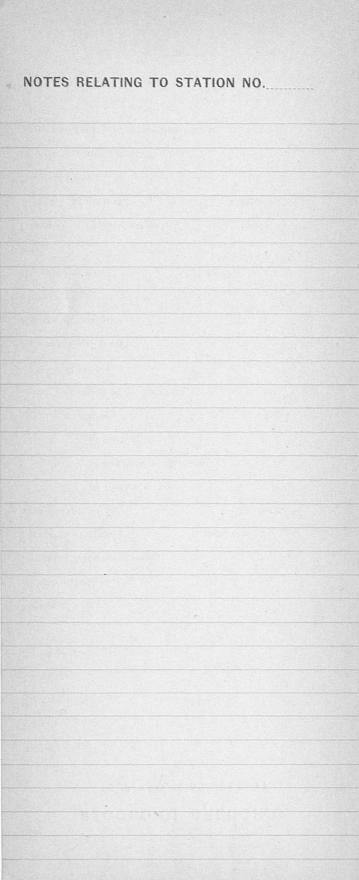
### TEMPERATURE AND DENSITY.

Station No.	,
Date,	
Time of day, ;	of tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
" of surface water,	14
" at depth of fat	homs, "
" at bottom,	"
Density at surface,	temp.,
" at depth of fathom	s, "
" at bottom,	
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding	officer,
Name and position of observer,	



### TEMPERATURE AND DENSITY.

Station No. Date, Time of day, ; of tide, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, Temperature of air, therm. No., of surface water, " at depth of fathoms, at bottom, Density at surface, temp., " at depth of fathoms, " at bottom, Number of salinometer, Barometer reading. State of sky, Direction of wind, ; force. Rain. Direction of surface current, ; force, " of bottom " ; force, Name of vessel, Service to which attached, Name and rank of commanding officer,



Station No.

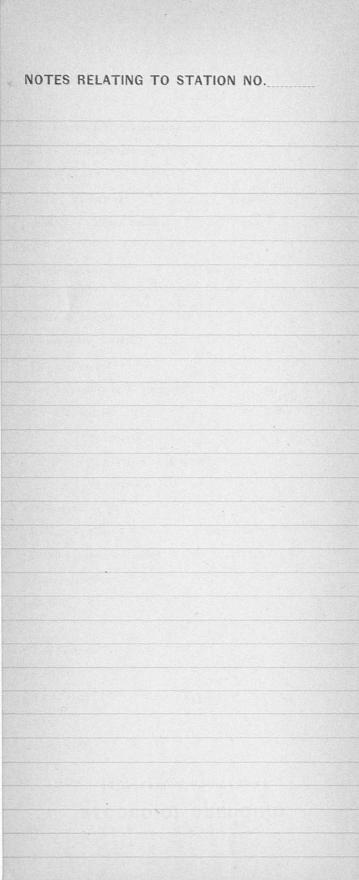
Time of day,

# RECORD OF DREDGING,

### TEMPERATURE AND DENSITY.

; of tide,

Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
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" of surface water,	"
" at depth of fathe	oms, "
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" at depth of fathoms,	
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Number of salinometer,	
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State of sky,	
Direction of wind,	; force,
Rain.	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding o	fficer,
Name and position of observer,	



### TEMPERATURE AND DENSITY.

Station No. Date, ; of tide, Time of day, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, Temperature of air, therm. No., of surface water, at depth of fathoms, at bottom, Density at surface, temp., " at depth of fathoms, 44 " at bottom, Number of salinometer, Barometer reading. State of sky, ; force, Direction of wind, Rain. Direction of surface current, ; force, of bottom " ; force, Name of vessel, Service to which attached,

Name and position of observer,

Name and rank of commanding officer,

NOTES RELATII	NG TO STATIO	ON NO.	

Station No.

# RECORD OF DREDGING,

### TEMPERATURE AND DENSITY.

Date,	
Time of day, ; c	of tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
of surface water,	
" at depth of fat	homs, "
" at bottom,	
Density at surface,	temp.,
" at depth of fathoms	, "
" at bottom,	44
Number of salinometer,	
Barometer reading.	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding	officer,

#### TEMPERATURE AND DENSITY.

Station No. Date, Time of day, ; of tide, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, therm. No., Temperature of air, of surface water, " at depth of fathoms, " at bottom, Density at surface, temp., " at depth of fathoms, at bottom, Number of salinometer, Barometer reading. State of sky, Direction of wind, ; force, Rain, Direction of surface current, ; force, " of bottom " ; force. Name of vessel, Service to which attached, Name and rank of commanding officer,

Station No.

# RECORD OF DREDGING,

### TEMPERATURE AND DENSITY.

Date, ; of tide, Time of day, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, Temperature of air, therm. No., of surface water, " at depth of fathoms, " at bottom, Density at surface, temp., " at depth of fathoms, at bottom, Number of salinometer, Barometer reading. State of sky, Direction of wind, ; force, Rain. Direction of surface current, ; force, " of bottom " ; force, Name of vessel, Service to which attached, Name and rank of commanding officer,



Station No.

# RECORD OF DREDGING,

### TEMPERATURE AND DENSITY.

Date,	
Time of day,	; of tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
" of surface water	,
" at depth of f	athoms, "
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Density at surface,	temp.,
" at depth of fatho	ms, "
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Number of salinometer,	
Barometer reading.	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commandi	ng officer,

NOTES	RELATING	TO	STATION	NO.

### TEMPERATURE AND DENSITY.

Station No.	
Date,	
Time of day, ; of tie	de,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift, ;	distance,
Temperature of air,	therm. No.,
" of surface water,	"
" at depth of fathom	s, "
" at bottom,	
Density at surface,	temp.,
" at depth of fathoms,	14
" at bottom,	44
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind, ;	force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding office	eer,

### TEMPERATURE AND DENSITY.

Station No. Date, Time of day, ; of tide, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, therm. No., Temperature of air, of surface water, at depth of fathoms, " at bottom, Density at surface, temp., " at depth of fathoms, at bottom, Number of salinometer, Barometer reading. State of sky, Direction of wind, ; force, Rain. Direction of surface current, ; force, " of bottom " ; force, Name of vessel, Service to which attached,

Name and position of observer,

Name and rank of commanding officer,



### TEMPERATURE AND DENSITY.

Station No. Date, Time of day, ; of tide, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, therm. No., Temperature of air, " of surface water, " at depth of fathoms, at bottom, Density at surface, temp., " at depth of fathoms, " at bottom, Number of salinometer, Barometer reading. State of sky, ; force, Direction of wind, Rain. Direction of surface current, ; force, " of bottom " ; force, Name of vessel, Service to which attached, Name and rank of commanding officer,

NOTES	RELATING	то	STATION	NO.

### TEMPERATURE AND DENSITY.

Station No. Date, ; of tide, Time of day, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, Temperature of air, therm. No., " of surface water, at depth of fathoms, at bottom, Density at surface, temp., " at depth of fathoms, " at bottom, Number of salinometer, Barometer reading. State of sky, ; force, Direction of wind, Rain. Direction of surface current, ; force, " of bottom " ; force, Name of vessel, Service to which attached, Name and rank of commanding officer,

NOTES	RELATING TO	STATION	NO

#### TEMPERATURE AND DENSITY.

Station No.	
Date,	
Time of day, ; of t	tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
of surface water,	"
" at depth of fathor	ms, "
" at bottom,	
Density at surface,	temp.,
" at depth of fathoms,	
" at bottom,	"
Number of salinometer,	
Barometer reading.	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding of	ficer.

NOTES	RELATING	TO	STATION	NO.

#### TEMPERATURE AND DENSITY.

Detection 210.	
Date,	
Time of day,	; of tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
" of surface wate	r, "
" at depth of	fathoms, "
" at bottom,	"
Density at surface,	temp.,
" at depth of fath	oms, "
" at bottom,	
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and reply of sammand	ing officer

NOTES	RELATING	то	STATION	NO

#### TEMPERATURE AND DENSITY.

Station No. Date, Time of day, ; of tide, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, therm. No., Temperature of air, " of surface water, " at depth of fathoms, at bottom, Density at surface, temp., " at depth of fathoms, 16 at bottom, Number of salinometer, Barometer reading. State of sky, ; force, Direction of wind, Rain. Direction of surface current, ; force, " of bottom " ; force, Name of vessel, Service to which attached, Name and rank of commanding officer,



#### TEMPERATURE AND DENSITY.

Station No. Date, Time of day, ; of tide, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, Temperature of air, therm. No., " of surface water, " at depth of fathoms, at bottom, Density at surface, temp., " at depth of fathoms, 66 at bottom, Number of salinometer, Barometer reading. State of sky, ; force, Direction of wind, Rain. Direction of surface current, ; force, of bottom "; force, Name of vessel, Service to which attached,

Name and rank of commanding officer,

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#### TEMPERATURE AND DENSITY.

Station No. Date, Time of day, ; of tide, Locality, Exact position, Depth, Nature of bottom, Dredging instrument used, Direction of drift, ; distance, Temperature of air, therm. No., " of surface water, " at depth of fathoms, at bottom, Density at surface, temp., " at depth of fathoms, 66 at bottom, Number of salinometer, Barometer reading. State of sky, ; force, Direction of wind, Rain, Direction of surface current, ; force, of bottom "; force, Name of vessel, Service to which attached,

Name and position of observer,

Name and rank of commanding officer,

## RECORD OF DREDGING,

### TEMPERATURE AND DENSITY.

Date,	
Time of day, ; of tide,	
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift, ; distar	nce,
Temperature of air,	therm. No.,
" of surface water,	
" at depth of fathoms,	4.
" at bottom,	"
Density at surface,	temp.,
" at depth of fathoms,	££
" at bottom,	- 11
Number of salinometer,	
Barometer reading.	
State of sky,	
Direction of wind, ; force	
Rain,	
	; force,
	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding officer,	

NOTES	RELATING	TO	STATION	NO.

# RECORD OF DREDGING,

#### TEMPERATURE AND DENSITY.

Date,	
Time of day, ; of tide	е,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift, ; d	istance,
Temperature of air,	therm. No.,
" of surface water,	#
" at depth of fathoms	
" at bottom,	
Density at surface,	temp.,
" at depth of fathoms,	
" at bottom,	u
Number of salinometer,	
Barometer reading.	
State of sky,	
Direction of wind, ; i	force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding office	er,

NOTES RELATING TO	STATION NO.
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### TEMPERATURE AND DENSITY.

Station No.	
Date,	
Time of day, ;	of tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
" of surface water,	u u
" at depth of fat	thoms, "
" at bottom,	
Density at surface,	temp.,
" at depth of fathom	s, "
44 at bottom,	46 77
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding	; officer,

NOTES REL	ATING	TO S	TATION	NO.
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# RECORD OF DREDGING,

#### TEMPERATURE AND DENSITY.

Date,	
Time of day, ;	of tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
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of surface water,	· ·
" at depth of fat	homs, "
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Density at surface,	temp.,
" at depth of fathom	s, "
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Number of salinometer,	
Barometer reading.	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding	officer,

NOTES RELATING	TO	STATIC	IN NO.
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### TEMPERATURE AND DENSITY.

Station No.	
Date,	
Time of day, ; of	tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
of surface water,	
" at depth of fathe	oms, "
" at bottom,	
Density at surface,	temp.,
" at depth of fathoms,	
" at bottom,	
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
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NOTES	RELATING	TO	STATION	NO.
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## RECORD OF DREDGING,

### TEMPERATURE AND DENSITY.

Date,	
Time of day,	; of tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
" of surface water	er, "
" at depth of	fathoms, "
" at bottom,	
Density at surface,	temp.,
" at depth of fath	oms, "
" at bottom,	44
Number of salinometer,	
Barometer reading.	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of command	ing officer,

## RECORD OF DREDGING,

### TEMPERATURE AND DENSITY.

Date,	
Time of day, ; of	tide,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
Temperature of air,	therm. No.,
of surface water,	"
" at depth of fathe	oms, "
" at bottom,	
Density at surface,	temp.,
" at depth of fathoms,	
" at bottom,	u
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	

Name and rank of commanding officer,

### TEMPERATURE AND DENSITY.

Station No.	
Date,	
Time of day, ; of ti	de,
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift, ;	distance,
Temperature of air,	therm. No.,
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" at depth of fathom	ıs, "·
" at bottom,	**
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" at depth of fathoms,	"
" at bottom,	"
Number of salinometer,	
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State of sky,	
Direction of wind, ;	force,
Rain,	
Direction of surface current,	; force,
" of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding office	cer,

### TEMPERATURE AND DENSITY.

Station No.	
Date,	
Time of day, ; of tide,	
Locality,	
Exact position,	
Depth,	
Nature of bottom,	
Dredging instrument used,	
Direction of drift, ; distan	ce,
Temperature of air,	therm. No.,
of surface water,	11
at depth of fathoms,	4.
" at bottom,	
Density at surface,	temp.,
" at depth of fathoms,	- 44
at bottom,	11
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind, ; force,	
Rain,	
Direction of surface current,	force,
" of bottom "	force,
Name of vessel,	
Service to which attached,	

Name and rank of commanding officer,



# RECORD OF DREDGING,

### TEMPERATURE AND DENSITY.

Date,	
Time of day, ; of	ftide,
Locality,	
Exact position,	
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Nature of bottom,	
Dredging instrument used,	
Direction of drift,	; distance,
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" at depth of fath	oms, "
" at bottom,	"
Density at surface,	temp.,
" at depth of fathoms,	"
" at bottom,	**
Number of salinometer,	
Barometer reading,	
State of sky,	
Direction of wind,	; force,
Rain,	
Direction of surface current,	; force,
of bottom "	; force,
Name of vessel,	
Service to which attached,	
Name and rank of commanding of	officer,