

8764

Diag. Cht. Nos. 1220-2 and 1221-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	HYDROGRAPHIC
Field No.	CO-20-1-62
Office No.	H-8764
LOCALITY	
State	Virginia
General locality	Atlantic Coast
Locality	Chincoteague Inlet
1962	
CHIEF OF PARTY	
Dewey G. Rushford	
LIBRARY & ARCHIVES	
DATE	JAN 4 - 1965

CGMM-DC 61300

8764

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. H-8764

Field No. Co 20-1-62

State VIRGINIA

General locality ATLANTIC COAST

Locality CHINCOTEAGUE INLET

Scale 1:20,000 Date of survey 13 Apr. - 9 Oct. 1962

Instructions dated 5 April & 3 May 1962

Vessel SHIP COWIE & ALPHA STORM DAMAGE PARTY

Chief of party D.G. RUSHFORD & DALE K. WESTBROOK

Surveyed by C.K. TOWNSEND, M.L. GEIGER, DEWAIN SEETS, G.R. CICHY & DON D'ONOFRIO

Soundings taken by fathometer, ~~graphic recorder~~, hand lead, ~~wire~~ POLE

Fathograms scaled by FIELD PERSONNEL

Fathograms checked by FIELD PERSONNEL

Protracted by ALPHA G. ATWILL (NORFOLK OFFICE)

Soundings penciled by ALPHA G. ATWILL

Soundings in ~~fathoms~~ feet at MLW ~~MLLW~~

REMARKS:

Caution Note: The Coast Guard reported numerous aid changes between Apr and Oct. Aids used as signals may cause positioning trouble.
Elleno 3-5-65

Elleno

DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SURVEY

H- (Field No. CO-20-1-62)

A. PROJECT

The hydrographic survey was executed under original instructions dated 5 April 1962, Special Project 10-62, and supplemental instructions received by telephone 3 May 1962.

B. AREA SURVEYED

The survey limits are shown on a progress sketch which accompanies this report.

The sheet extends from N 37° 48' to N 37° 57' and from W 75° 10' to W 75° 30'.

The Chincoteague Inlet area is characterized by sand dunes on the ocean side, and marsh on the inland side. The area is subject to frequent changes due to wind and tide action.

The survey was accomplished between April 13 and Oct. 9 1962, 95% of the work being done by the COWIE and 5% by the Alpha storm damage party.

C. SOUNDING VESSEL

All of the hydrography of this survey was accomplished by Launch CS-1201 and Skiff CS-750. *Red ink was used to mark position and day letters on the boat sheet for the skiff work, blue ink for the launch work. *SMH work - Alpha Party - purple ink * and skiff (no number)*

D. SOUNDING EQUIPMENT

All echo sounding was done with 808 type fathometers calibrated for 820 fathoms/second. Fathometers No. 160SPX, 164, and 120S were used on Launch CS-1201, and fathometers No. 164 and 60 used on Skiff CS-750. The fathometers were used in depths from 4 to 60 feet of water.

A 16 foot sounding pole was used by Skiff CS-750 in shoal and grassy areas from about one (1) to fifteen (15) feet.

D. SOUNDING EQUIPMENT

The fathometer velocity corrections were calculated from bar checks taken when possible.

E. SMOOTH SHEET

The smooth sheet will be plotted by the Norfolk Office, Hydrographic Processing Section.

F. CONTROL

Hydrography was primarily controlled by three point sextant fixes taken simultaneously on hydrographic signals and natural objects. On inshore areas and small creeks, some of the positions were determined by estimating the distance and direction from signals or natural objects, as well as taking sextant angles when possible.

The hydrographic signals were of three types; triangulation stations, topographic stations, and photo points. A complete list of signals stating how each was obtained accompanies this report.

The horizontal datum for the planimetric manuscripts, triangulation, and the boat sheet is the North American Datum of 1927.

Photogrammetric manuscript RS-775 was used for transfer of signals to the boat sheet.

G. SHORELINE

The shoreline was transferred to the boat sheet from blue line copies of the manuscript as stated in section F. As was to be expected, the shoreline had changed substantially. Due to the nature of the area, defining the low water line was found to be very difficult.

H. CROSSLINES

Crosslines were run on the sheet to the extent of about 6% of the regular scheme. No major discrepancies were found. Crosslines were run on the sheet except in the following areas; Assateague Cove, Chincoteague Channel, and Queen Sound Channel. Several shoal areas were cross-hatched with sounding lines on separate days.

I. JUNCTIONS

Soundings from adjoining survey AL-20-1-62 are shown in red on the boat sheet. The junction between boat sheets CO-20-1-62a, and CO-20-1-62b are shown in green. The junctions are in good agreement.

J. COMPARISON WITH PRIOR SURVEYS

The area was changed to such a degree that comparison with prior surveys was not feasible.

K. COMPARISON WITH THE CHART

Positive enlargements of charts 1221 and 1220 were used to transfer soundings to the boat sheet. These soundings, penciled in and coloured in orange, served as a continual comparison between the charted soundings and the work being done. The number of discrepancies was too numerous to record.

L. ADEQUACY OF THE SURVEY

The survey is complete and adequate to supercede prior surveys for charting.

M. AIDS TO NAVIGATION

The aids to navigation within the limits of the sheet were located, but were not plotted on the sheet due to their great number. *See N.P.O. List Floating Aids.*

N. STATISTICS

Launch CS-1201	<i>Pos 1-4936</i> 5045 positions	994.3 N.M. of sounding lines
Skiff CS-750	<i>Pos 5100-5730</i> 1866 positions	277.8 N.M. of sounding lines
<i>Skiff (no number)</i>	<i>Pos 6831-6989</i>	
Totals:	6911	1272.1

Total area surveyed:	37.2 Square nautical miles
Number of tide gages:	3
Number of bottom samples:	75

Leonard E. Pickens
Leonard E. Pickens
LTJG, C&GS

TIDE NOTE

Three tide gages were used to control the tidal data for this boat sheet. One tide gage was located at Chincoteague SW Point, ($37^{\circ}54'.18N$, $75^{\circ}24'.6W$). Mean low water was 1.5 feet on the staff and all heights recorded on the marigram should be corrected for this amount. This gage controlled the work in the area bounded by a line NE-SW from Gunboat Pt. to near Lite # 8.

One tide gage was located at Assateague Coast Guard Station, ($37^{\circ}51'.97N$, $75^{\circ}22'.1W$). Mean low water on the staff was 3.5 feet and all heights recorded on the marigram should be corrected for this amount. This gage controlled the work in Assateague Cove, Channel and all outside of the area bounded by a line from Gunboat Pt. to Lite # 8.

One tide gage was located at Chincoteague Channel, Coast Guard Pier, ($37^{\circ}55'.95N$, $75^{\circ}22'.9W$). Mean low water was 2.5 feet on the staff and all heights recorded on the marigram should be corrected for this amount. This gage controlled the work in the area bounded by a line East-West below Light No. 11, to Shoaling Point.

The time meridian used was ⁷⁵~~60~~ West. Minor corrections were applied as they became necessary for the individual days. No other time correction was applied.

SPECIAL NOTE

Since the writer of this descriptive report was not familiar with the area being surveyed and little material was available to help clarify the work, this report by nature is lacking in detail and thoroughness. It is to be expected that the smooth plotter will be able to make additions to this descriptive report.

Since the chief of party is not in the area, an approval sheet signed by him can not be included in this report.

Leonard E. Pickens
LTJG, C&GS

ABSTRACT OF CORRECTIONS TO ECHO SOUNDINGS

LAUNCH 1201

Fathometer No. 160SPX **TABLE 1**

a-m, u-ka day

A Scale	Fathometer Correction (ft.)
3.0-12.6	0.0
12.8-41.0	-0.2
41.2-48.6	-0.4
48.8-53.4	-0.6
53.6-55.0	-0.8

B Scale **TABLE 2**

35.0-55.2	0.0
55.4-....	-0.2

Fathometer No. 160SPX **TABLE 3**

n DAY Pos. No. 1-54 & ua-Day

A Scale

5.0- 7.4	0.0
7.6-12.4	+0.2
12.6-17.4	+0.4
17.6-22.4	+0.6
22.6-....	+0.8

Fathometer No. 160 SPX **TABLE 4**

1a day & ma day pos. 1-13 & na day

A Scale

0.0 - 55.0 0.0

Fathometer No. 150 SPX **TABLE 5**

ma day, pos. 14-67

A Scale

0.0 - 10.0 0.0
 10.2 - 25.2 -0.2
 25.4 - 55.0 -0.4

Note: Tables 4, 9, 11 and 16 are similar. However, this was not noticed prior to completion of the TC/TI lists. The three extra tables should be used rather than re-number the velocity tables. D.R.E.

Fathometer Corrections (cont.)

Launch 1201

Fathometer No. 164

TABLE 9 (Same as 4)

n day Pos. No. 55-120
s day Pos. No. 79-151

A Scale Fathometer Correction (ft.)

4.4-55.0 0.0

B Scale

~~35.0-42.4 -0.2~~

~~42.6-51.4 -0.4~~

~~51.6-60.0 -0.6~~

not applicable

Fathometer No. 164

TABLE 10

p day

A Scale

3.5- 7.8 -0.4

8.0-13.4 -0.6

13.6-22.0 -0.8

22.2-33.0 -1.0

Fathometer 120S

TABLE 11 (Same as 4)

q, r, and s day
Pos. No. 1-78 only, for s day

A Scale

5.0-55.0 0.0

B Scale

TABLE 12

45.0-50.0 -1.2

Fathometer Corrections (cont.)

Launch 1201

Fathometer No. 120S

TABLE 13

t day

A Scale	Fathometer Correction (ft.)
5.0- 7.0	0.0
7.2-13.0	+0.2
13.2-25.0	+0.4
25.2-48.0	+0.6

Fathometer 57-35

TABLE 6

pa, qa, ra days

A Scale

0.0 - 25.2	0.0
25.4 - 34.0	-0.2
34.2 - 40.4	-0.4
40.6 - 49.0	-0.2
49.2 - 55.0	0.0

B Scale

TABLE 7

35.0 - 40.0	+1.0
40.2 - 49.6	+1.2
49.8 - 53.6	+1.4
53.8 - ---	+1.6

Fathometer 160 SPX

TABLE 8

sa & ta days

A Scale

0.0 - 29.0	0.0
29.2 - ---	+0.2

ABSTRACT OF CORRECTIONS TO ECHO SOUNDINGS

Skiff 750

Fathometer No. 164

TABLE 14

a-n, q-w days

A Scale	Fathometer Correction (ft.)
0.0- 4.8	0.0
5.0-11.6	+0.2
11.8-18.6	+0.4
18.8-25.6	+0.6
25.8-32.6	+0.8
32.8-39.6	+1.0
39.8-47.0	+1.2

Fathometer No. 60

TABLE 15

p day

A Scale

0.0- 9.0	+0.4
9.2- ...	+0.6

Sounding Pole

TABLE 16 (Same as 4)

All days

0.0 - 18.0

0.0

Fathometer No. 57-35 Skiff (no. number)

TABLE 17

a, b, c days

A Scale

0.0 - 5.0	0.0
5.1 - 19.0	- 0.2
19.1 - 29.0	- 0.4
29.1 - ...	- 0.6

Fathometer No. 57-35 Skiff (NO number)

TABLE 18

d day

0.0 - 4.9	+0.2
5.0 - 14.0	0.0
14.1 - 22.0	-0.2
22.1 - ...	-0.4

LIST OF SIGNALS ON H-8764 CO-20-1-62

Name Used in Hydrographic Survey	Origin of Station
Ace 012	RS-775
Act 018	" "
Air 037	" "
Alp 046	" "
Art 078	" "
Bat 008	" "
Bee 022	" "
Bob 060	Black Day Beacon 7A
Bon 065	Black Light No.3
Boy 069	RS-775
Bus 087	" "
Car 107	" "
Cat 108	" "
Cod 161	" "
Con 165	Wallops Island NACA <u>Control Tower</u> , 1951
Cue 182	RS-775
Cut 188	" "
Daw 109	" "
Ebb 200	" "
Eel 224	" "
Egg 233	" "
Ego 236	Black Beacon No.5
Elf 242	RS-775
Fez 229	" "
Fun 285	" "
Gal 304	" "
Gun 385	" "
Her 327	" "
Hit 338	" "
Ice 312	Black Light No.1
Jac 401	RS-775
Jil 434	" "
Joe 462	" "
Lag 403	" "
Lake 404	Blake (VFC) 1933
Liz 439	RS-775
Met 528	" "
New 529	Wallops Beach Coast Guard 3 (<u>New Tower</u>), 1937-42
Now 569	RS-775
Nut 588	" "
Out 688	Assateague ^{Beach} Coast Guard Lookout Tower, No. 150, 1959
Pete 628	<u>Peter 2</u> , 1959 (This signal used as Pet on CO-20-1-62b and as Pete on CO-20-1-62a)

LIST OF SIGNALS ON H-~~776~~⁷⁷⁴ CO-20-1-62

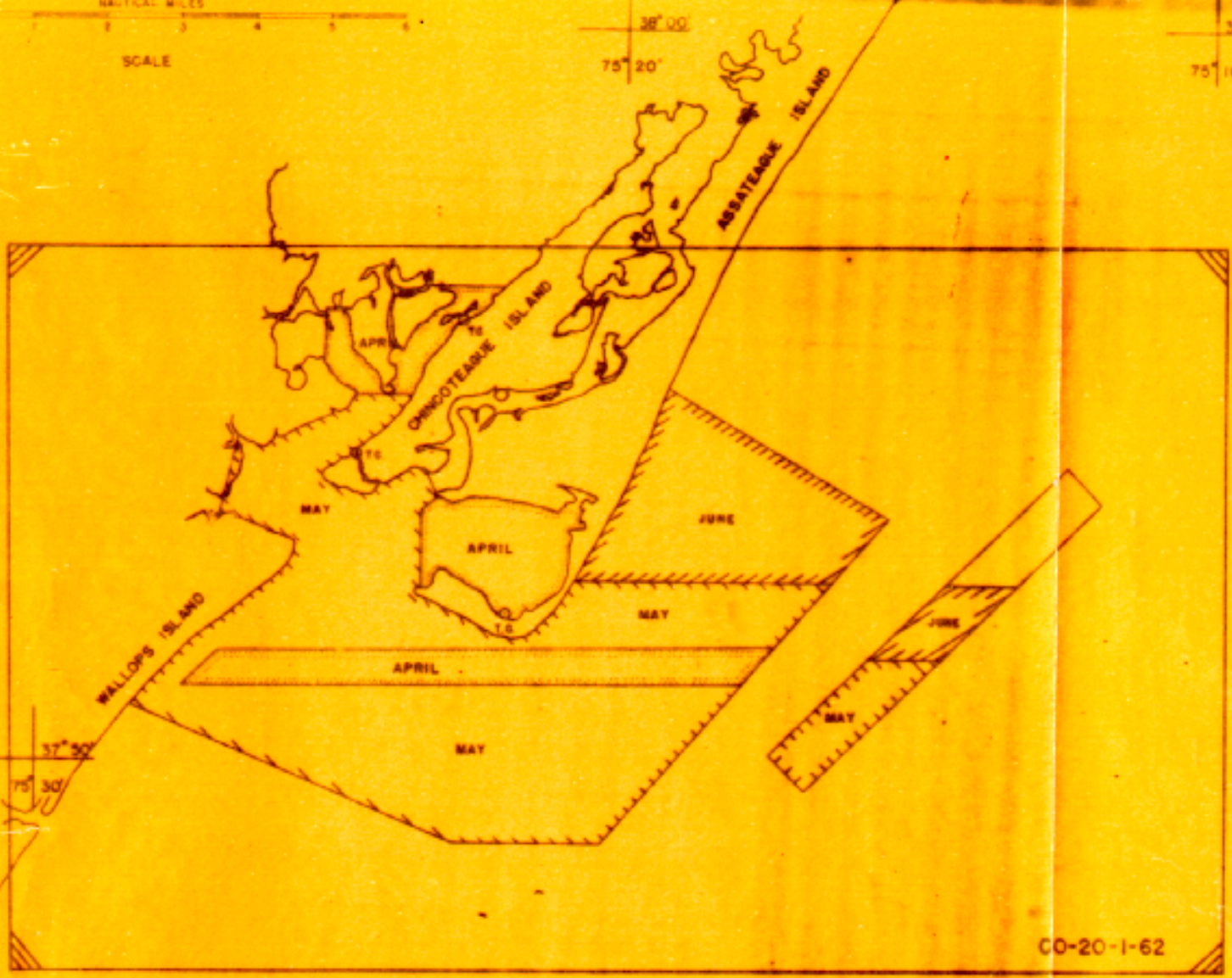
Name Used in Hydrographic Survey	Origin of Station
Rat 708	RS-775
Road 760	RED 721 Road (VFC) 1933
Rod 761	RS-775
Sat 709	Assateague L.H., 1909
Ski 743	RS-775
Sub 780	" "
Sue 782	" "
Tan 805	Red Light No.8
Tom 865	Red Light No.10
The 832	RS-775
Tow 869	" "
Use 872	" "
Wall 907	Wallops Island NACA Water Tank 1949
Water 908	Chincoteague Watertank 1933
Wed 921	RS-775
Will 934	Willis (VFC) 1933
Yak 904	RS-775
You 968	" "
Zag 903	RS-775

NAUTICAL MILES

SCALE

38° 00'
75° 20'

38° 00'
75° 10'



CO-20-1-62

1962
 PROGRESS SKETCH
 SPECIAL PROJECT 10-62
 SHIP COWIE

LCDR D. G. RUSHFORD, CMDG.

CHINCOTEAGUE INLET SCALE 1:80,000

CHARTS 1220 & 1221

10 APRIL - 12 JUNE 1962

ATLANTIC OCEAN

NORFOLK HYDROGRAPHIC PROCESSING BRANCH
 LIST OF
 FLOATING AIDS TO NAVIGATION
 H-8764

<u>BUOY</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>DEPTH</u>	<u>POS. NO.</u>	<u>DATE</u>
<u>CHINCOTEAGUE</u>					
Inlet Ltd. Buoy 2	37-52.34'	75-24.30'	22.2'	1s	5-14-62
Inlet Buoy 1A	51.83	23.25	10.4	8s	"
Inlet Buoy 1	51.30	23.28	19.2	1aa	5-26-62
Chan. Buoy 3	52.94	24.03	15.4	19m	5- 9-62
Chan. Buoy 5A	53.50	24.02	16.6	21m	"
Ship Shoal Buoy	50.98	19.93	35.4	142ja	6- 9-62
Turners Lump Buoy 2	48.85	19.44	36.4	143ja	"
Turners Lump Ltd. Bell Buoy 2TL	48.89	22.60	30.2	178ja	"
Black Fish Bank Bell Buoy 8A	50.52	15.60	52.9	84c	4-24-62

NORFOLK HYDROGRAPHIC PROCESSING BRANCH
ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-8764 (Co 20-1-62)

GENERAL

This appears to be an excellent basic survey in consideration of the fact that most of the field work was done under unfavorable weather conditions, with rough seas and frequent rain and fog. These factors, combined with the long distances to control stations in off-shore areas, have undoubtedly caused some slight position displacement in this area of irregular and rapidly changing bottom. The major curves seem to follow normal patterns, but in areas of sandwaves and irregular bottom as in Chincoteague Channel, Cackle Creek, and the channel off Shoaling Point, it is impossible on this small scale to show all the bottom irregularities completely and accurately.

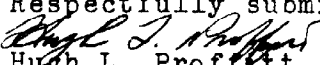
CHART COMPARISON

The smooth plotter has prepared an overlay showing a detailed comparison with chart 1220, revised 2/10/64. The major changes noted are as follows:

<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>CHART 1220</u>	<u>SMOOTH SHEET</u>
37-51.08'	75-15.99'	11'	13'
51.98	14.70	13	17
52.32	14.15	16	26
51.85	20.60	8	10
51.10	20.95	5	8-
50.42	16.60	11	15
54.80	24.35	Wreck Awash	Not mentioned
53.98	19.75	" "	" "

OVERLAYS

Positions 1-67ma and 1-35na are being submitted on smooth overlays. Soundings on 1-35na do not agree with surrounding hydrography. This disagreement could be caused by position displacement due to unfavorable weather conditions, or possibly by bottom changes in this exposed area.

Respectfully submitted,

Hugh L. Proffitt
Cartographer

GEOGRAPHIC NAMES

Survey No. H-8764

Name on Survey	Source of Name										
	A	B	C	D	E	F	G	H	K		
Assateague Chan.											1
Assateague Cove											2
Assateague I.											3
Assateague Pt.											4
Atlantic Ocean											5
Ballast Narrows											6
Blackfish Bank											7
Chincoteague I.											8
Chincoteague Inlet											9
Chincoteague Shoal											10
Chincoteague Point											11
Cockle Creek											12
Gunboat Pt.											13
Fishing Pt.											14
Shoaling Pt.											15
Wallops I.											16
Willis Pt.											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names approved

4-15-65

A. J. Wright

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. 8764

RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered.

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET	1	BOAT SHEETS (2 parts)	1
DESCRIPTIVE REPORT		OVERLAYS	8

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/SOURCE DOCUMENTS
ENVELOPES						
CAHIERS	3					1
VOLUMES	27					
BOXES						

T-SHEET PRINTS (List)

1-Cronaflex Control print, RS-775 & 1-Acetate Control Print, RS-775.

SPECIAL REPORTS (List)

OFFICE PROCESSING ACTIVITIES

The following statistics will be submitted with the cartographer's report on the survey

PROCESSING ACTIVITY	AMOUNTS			
	PRE-VERIFICATION	VERIFICATION	REVIEW	TOTALS
POSITIONS ON SHEET				
POSITIONS CHECKED				
POSITIONS REVISED				
DEPTH SOUNDINGS REVISED				
DEPTH SOUNDINGS ERRONEOUSLY SPACED				
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED				
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS				
JUNCTIONS				
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS				
SPECIAL ADJUSTMENTS				
ALL OTHER WORK				
TOTALS				
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY	BEGINNING DATE		ENDING DATE	
REVIEW BY	BEGINNING DATE		ENDING DATE	

VERIFIER'S REPORT
HYDROGRAPHIC SURVEY, H -8764

INSTRUCTIONS - This form serves to identify items of a check list in verification together with items which are separately reported to the Reviewer. The form is not to be forwarded to the Reviewer. A report, which is prepared for the Reviewer, should identify items by number and letter and will be filed in the Descriptive Report until the survey is reviewed.

CL - Check List Items: should be checked as having been completed during the verification processes.

R - Report Item: This column refers to those items reported to the reviewer and is used to indicate the items discussed.

Part I - DESCRIPTIVE REPORT	CL	R	Part III - JUNCTIONS (Continued)	CL	R
<p>Note: The verifier should first read the Descriptive Report for general information and problems.</p> <p>1. The Descriptive Report was consulted, paragraphs checked if found satisfactory, and notations were made in soft black pencil regarding action taken. Remarks Required: -- None</p>			<p>10. Junctions with contemporary surveys were satisfactory except as follows: Remarks Required: -- Consider conditions after adjustments have been made; note adjustments made. Make special notes of Butt junctions and areas which are SUPERSEDED.</p>		
<p>2. Soundings originating with the survey and mentioned in the Descriptive Report have been verified and checked in soft black pencil, including latitude and longitude, together with position identification. Remarks Required: -- None</p>			<p>Part IV - VOLUMES 11. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken and exceptions noted in the volumes. Remarks Required: -- None</p>		
<p>3. All reference to survey sheets mentioned in the Descriptive Report should include registry number and year. Remarks Required: -- None</p>			<p>12. Condition of sounding records was satisfactory except as follows: Remarks Required: -- Mention deficiencies in completeness of notes or actions for the following: (a) rocks (b) line turns (c) position values of beginning and ending of lines (d) bar check or velocity correctors (e) time recording (f) notes or markings on fathograms (g) was reduction of soundings accurately done? (h) was scanning accurate? (i) were peaks at uneven intervals missed? (j) were stamps completed? (k) references to adjacent features</p>		
<p>Part II - SHORELINE AND SIGNALS 4. Source of shoreline signals Remarks Required: -- List all surveys a. Give earliest and latest dates of photographs b. Field inspection date c. Field Edit date d. Reviewed-Unreviewed</p>					
<p>5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences.</p>			<p>Part V - PROTRACTING 13. All positions verified instrumentally were check marked in color in the sounding records, and verifier initialed the processing stamp. Remarks Required: -- None</p>		
<p>6. The plotting of all triangulation stations, topographic stations and hydrographic signals has been checked and noted in processing stamp No. 42 on the smooth sheet. Remarks Required: -- None</p>					
<p>7. Objects on which signals are located and which fall outside of the high-water line have been described on the sheet. Remarks Required: -- List those signals still unidentified.</p>			<p>14. The protracting and plotting of all unsatisfactory crossings were verified. Remarks Required: -- None</p>		
<p>Part III - JUNCTIONS Note: Make a cursory comparison preliminary to inking soundings in area of overlap.</p> <p>8. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical. Remarks Required: -- None</p>			<p>15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: -- None</p>		
<p>9. The notation in slanted lettering "JOINS H--- (19)" was added in colored ink for all verified contemporary adjoining or overlapping sheets. Those not verified are shown in pencil. Remarks Required: -- None</p>					

Part V - PROTRACTING (Continued)	CL	R	Part VIII - AIDS TO NAVIGATION	CL	R
16. The protracting was satisfactory except as follows: Remarks Required: -- Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments.			26. All fixed aids located together with those on the contemporary topographic sheets, have been shown on the survey. Remarks Required: -- Conflicts of any nature listed.		
17. The protractor has been checked within the last three months. Remarks Required: -- Date of check, type of protractor and number.			27. All floating aids listed in the Descriptive Report should be verified and checked in soft black pencil, including latitude and longitude and position identification. Remarks Required: -- None		
Part VI - SOUNDINGS 18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: -- None			Part IX - BOAT SHEET 28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information. Remarks Required: -- None		
19. Sounding line crossings were satisfactory except as follows: Remarks Required: -- Discuss adjustments.			29. Heights of rocks awash were correctly reduced and compared with topographic information. Remarks Required: -- Note excessive conflicts with topographic information.		
20. The spacing of soundings as recorded in the records was closely followed; Remarks Required: -- None			Part X - GENERAL 30. All information on the sheet is shown in accordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2). Remarks Required: -- None		
21. The scanning, reduction, spacing, plotting of questionable soundings have been verified. Remarks Required: -- None			31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: -- None		
22. The smooth plotting of soundings was satisfactory except as follows: Remarks Required: -- Refer to legibility, errors in spacing, and errors in numbers - but not to errors in scanning.			32. Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet. Remarks Required: -- None		
Part VII - CURVES 23. The depth curves have been inspected before inking. Remarks Required: -- By whom was the penciled curves inspected.			33. The bottom characteristics are adequately shown. Remarks Required: -- None		
24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following: a. From T-Sheet in dotted black lines b. From soundings in orange c. Approximate position of sketched curve is dashed orange d. Approximate position of shoal area not sounded in black dashed Remarks Required: -- None			Part XI - NOTES TO THE REVIEWER 34. Unresolved discrepancies and questionable soundings.		
25. Depth curves were satisfactory except as follows: (This statement should not refer to the manner in which the curves were drawn). Remarks Required: -- Indicate areas where curves could not be drawn completely because of lack of soundings. For some inshore areas a general statement is sufficient.			35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.		
26. Supplemental information.					
Verified by				Date	

TIDE NOTE FOR HYDROGRAPHIC SHEET

7/15/65

Nautical Chart Division: R. H. Carstens

Plane of reference approved in
27 volumes of sounding records for

HYDROGRAPHIC SHEET 8764

Locality: Chincoteague Inlet, Virginia

Chief of Party: D. G. Rushford (1962)

Plane of reference is mean low water

Tide Station Used (Form C&GS-681):

Chincoteague Southwest Point
Assateague Coast Guard Station
Chincoteague Channel, Coast Guard Pier

Height of Mean High Water above Plane of Reference is as follows:

Chincoteague Southwest Point	2.6 ft.
Assateague Coast Guard Station	3.6 "
Chincoteague Channel, Coast Guard Pier	1.7 "

Remarks NOTE: Tide reducers for the positions listed below have been reused in red and verified.

<u>Vol.</u>	<u>Pos.</u>
1	1b - 16b ✓ noted in volume
1	28b - 105b ✓ noted in volume DE.

J. M. Symons
Chief, Tides and Currents Branch

15° 23'

31° 52'

75° 23'

15° 21'

31° 52'

75° 21'

15° 20'

75° 20'

13 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6
 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 0 0 0
 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 0 0
 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 0
 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2
 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3
 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4
 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5
 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6
 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7
 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8

OVERLAY # 1

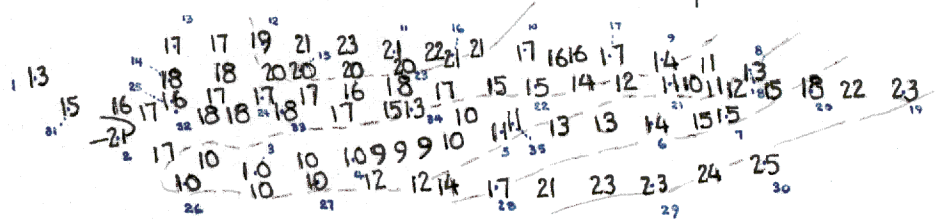
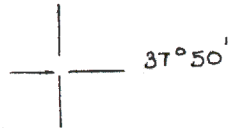
pos 1 thro 67 no day

H-8764

75° 23'

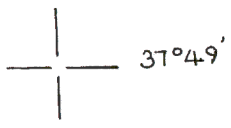


75° 21'



curves on SS have not been made to conform with overlay because na day is suspect and other hydro is preferred

Work on na day was done in rough water with heavy rain and very poor visibility using distant signals



OVERLAY # 2
H-8764
pos 1 thru 35 na day

