8818

Diag. Cht. No. 1238-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. WH-20-1-64 Office No. H-8818

LOCALITY

State South Carolina

General locality Cape Romain

Locality

19 64

CHIEF OF PARTY

H. R. Lippold Jr.

LIBRARY & ARCHIVES

DATE DEC 22 1965

USCOMM-DC 5087

8818

FORM C&GS-537
(8-15-59)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REGISTER NO.

H-8818

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

FIELD NO.

WH-20-1-64

State South Carolina

General locality Cape Romain

Locality

Scale 1:20,000 Date of survey 1964

Instructions dated 27 December, 1963 Project No. OPR-436

Vessel WHITING

Chief of party LCDR H. R. Lippold, Jr.

Surveyed by ship's officers

Soundings taken by echo sounder, ~~hand lead~~, pole

Graphic record scaled by ship's personnel

Graphic record checked by " "

Protracted by Dorothy C. Calland (Norfolk Hydro Branch)

Soundings penciled by Dorothy C. Calland " " "

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

REMARKS:

USCOMM-DC 8272-P62

DESCRIPTIVE REPORT TO ACCOMPANY
HYDROGRAPHIC SURVEY H-8818
FIELD No. WH-20-1-64

Cape Romain, South Carolina

Scale 1:20,000
Ship WHITING

H. R. LIPPOLD JR.
Commanding 1964

Surveyed By:

LCDR H. R. Lippold Jr.
LT R. M. Buffington
LT J. Collins
LTJG J. W. Drosendahl
LTJG D. G. Hickerson
ENS J. D. Boon

A. PROJECT

The authority for this survey is contained in the instructions for OPR-436, Coast of South Carolina and Georgia, dated 27 December 1963.

B. AREA SURVEYED

The area surveyed is along the east coast of South Carolina from Cape Romain northward to about 2 miles south of Winyah Bay South jetty from the shoreline seaward to approximately the 18 foot curve. For area surveyed see attached section of C&GS Chart 1238.

The survey by this party commenced 23 March 1964 and terminated 18 May 1964.

Junction was made with prior surveys H-4522, 1:20,000, 1925; H-6710, 1:40,000, 1941 on the north; H-7085, 1:40,000, 1945-46 on the east. Junction was also made with contemporary survey WH-20-2-64 on the south.

C. SOUNDING VESSELS

The WHITING8s two 26' survey launches and a 17 foot Boston Whaler were used during this survey. A blue lower-case day letter was used by launch #1 while launch #2 had a red lower-case day letter and the skiff a green lower-case day letter.

D. SOUNDING EQUIPMENT

All soundings obtained by the launches were taken by echo sounders of the Raytheon type DE-723. Launch #1 had #249 aboard while launch #2 used #251. Those soundings obtained by the skiff were by means of sounding pole. Velocity corrections were derived from bar checks taken daily.

E. SMOOTH SHEET

by Norfolk Branch

The smooth sheet projection and hiran curves were drawn by the Washington Office. The smooth sheet will be transferred to the Norfolk Processing Office for plotting.

F. CONTROL

Hydrography was controlled in part by visual three-point fixes and the remainder by Hiran. All signals were located photogrammetrically from radial plotting on manuscripts T-12278 and T-12275 .

G. SHORELINE

The shoreline was transferred to the boat sheet from blue-line manuscript T-12278 and has been field verified or corrected by delineating areas which are bare at low water. Smooth sheet shoreline from T-12278, T-12275 & T-5231

Portion on this survey was corrected on recent photos.

H. CROSSLINES

Crosslines were run to the extent of about seven percent of the regular scheme of sounding lines with good agreement throughout the survey.

I. JUNCTIONS

The junctions made with H-4522 and H-7085 agreed within one foot as did the junction made with contemporary survey WH-20-2-64.

J. COMPARISON WITH PRIOR SURVEYS

In general, there is good agreement with prior surveys in the deeper water but considerable disagreement inshore. No detailed investigation was made since this area is obviously changing frequently due to the flow of water and silt from the North and South Santee Rivers.

Concerning the pre-survey review, the results may be described as follows:

1. Item 4 - The 6ft sounding charted at Lat 33° 09.10'N, Long 79° 11.6'W did not exist after our survey, hence it has been disproven. No development work 6' sounding falls between lines run by launch. Smooth sheet shows 9 ft. Sound gone would not cover area.

2. Item 5 - The two piles charted near the entrance to the South Santee River in aprx. Lat 33° 07.5'N, Long 79° 16.4'W no longer exist.

K COMPARISON WITH THE CHART

Comparison with C&GS Chart 1238 shows good agreement except in inshore areas which have shoaled considerably. some areas have deepened -

L. ADEQUACY OF SURVEY

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

M. AIDS TO NAVIGATION

There are no aids to navigation on this sheet.

N. STATISTICS

Vessel	Number of Positions	Nautical Miles Sounding Lines
Launch #1	1143	204.2
Launch #2	1465	273.5
Skiff	123	12.0
	2731	

Total Area Surveyed	
Number of bottom samples	27
Tide Stations	2
Current Stations	2

Respectfully submitted,

D. Hickerson
LTJG, USC&GS

TIDE NOTE

Both a Bubbler Gage at Cedar Island and a portable-automatic gage at Georgetown L.H. were installed using 75°W (ZD +5) as the time meridian. The Bubbler gage located at 33° 07.20'N, 79° 16.30'W was used as the basic control with the data obtained from the Georgetown L.H. gage applied where no record was available from the Bubbler gage.

The staff zero for the Bubbler gage was 1.8 with no time correction necessary. A factor of 0.9H was used as the staff MLW for the Georgetown L.H. gage in addition to the fact that the tide at Georgetown Lighthouse is 20 minutes later than at Cedar Island.

Both gages were set 1.0 foot above the staff leading; therefore, the staff MLW plus 1.0 ft. should be subtracted from all heights recorded on the Marigrams.

ABSTRACT OF VELOCITY CORRECTIONS
OPR 436 H-8818 (WH-20-1-64)

LAUNCH #1

date	Depth Up to	Table #	Corr'n
Bgn Season thru 9 April	6.2		-0.6
	7.9		-0.4
	10.0		-0.2
	~~30~~ 26.0 <OK		0.0
10 Apr - 1 May	6.0	2	-0.6
	7.2		-0.4
	8.9		-0.2
	11.5		0.0
	19.9		+0.2
	24.5		+0.4
	50.0~~30.0~~		+0.6
2 May - End Season	6.0	3	-0.6
	7.2		-0.4
	8.2		-0.2
	9.9		0.0
	14.7		+0.2
	21.4		+0.4
	25.4		+0.6
	50.0~~45.0~~		+0.8

LAUNCH #2

Bgn Season thru 9 April	6.1	4	-0.6
	7.3		-0.4
	8.8		-0.2
	19.9		0.0
	23.5		+0.2
	~~36.5~~		~~+0.4~~
24 Apr - End of Season	6.2	5	-0.6
	7.2		-0.4
	8.2		-0.2
	9.7		0.0
	14.0		+0.2
	20.8		+0.4
	50.~~45.0~~		+0.6

ABSTRACT OF HIRAN CORRECTIONS
OPR-436 H-8818 (WH-20-1-64)

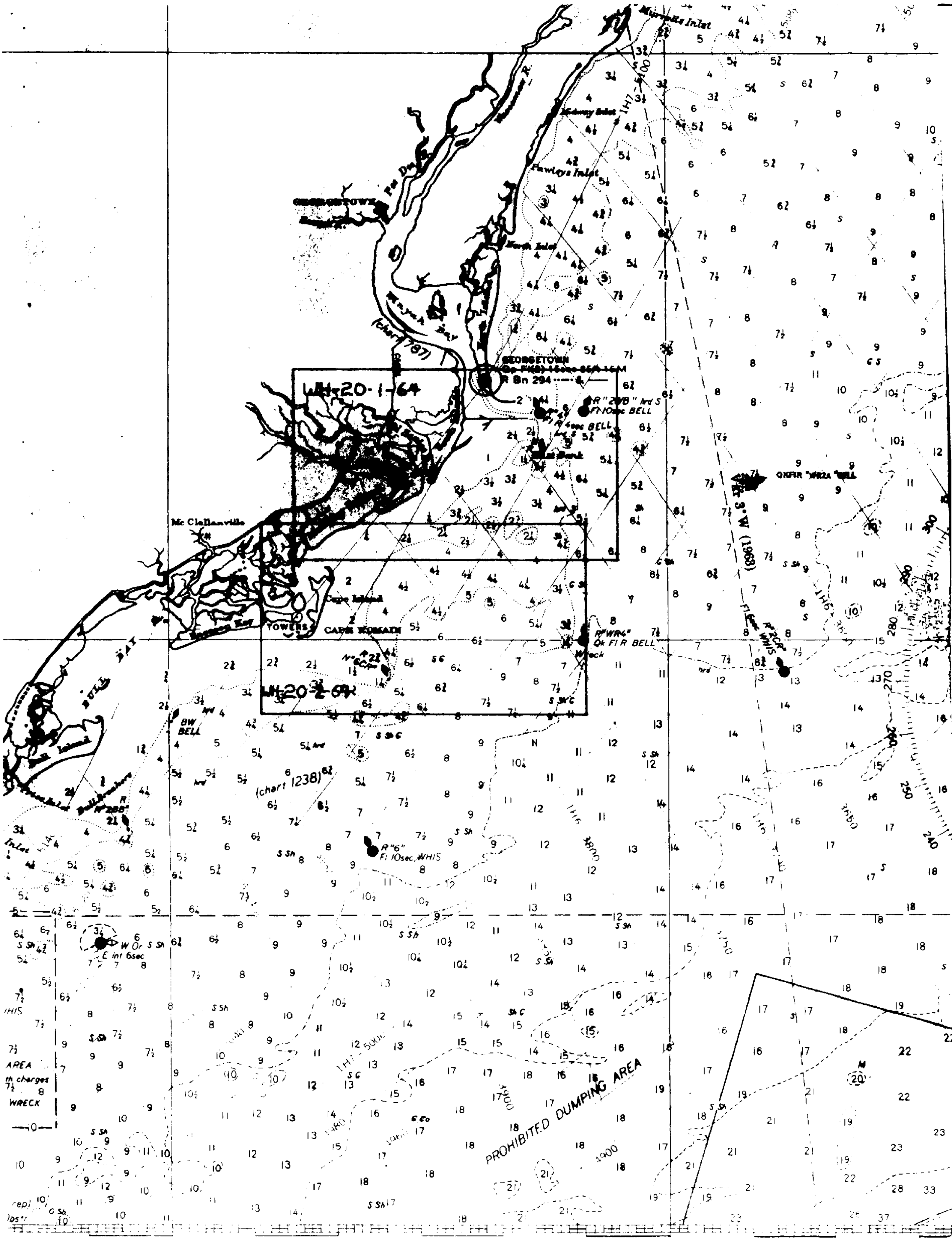
	Station MAIN		Station DELTA	
	Corr'n	Distance	Corr'n	Distance
Launch #1	-.010	0.0 - 3.4	+.020	0.0 - 1.4
	-.015	3.4 - 5.6	+.015	1.4 - 1.8
	-.020	5.6 - 9.6	+.010	1.8 - 3.0
	-.015	9.6 - 11.6	+.005	3.0 - 4.3
	-.010	11.6 - ---	.000	4.3 - 5.7
			-.005	5.7 - 7.0
			-.010	7.0 - 8.4
			-.015	8.4 - ---
			25 Mar - 28 Apr	
Launch #2	+.020	0,0 - 2.8	+.005	0.0 - 4.19
	+.015	2.8 - 4.3	+.010	4.2 - 8.39
	+010	4.3 - 5.8	+.015	8.4 -12.5
	+.005	5.8 - 7.2		
	.000	7.2 - 8.7	29 Apr - 12 May	
	-.005	8.7 -10.1	+.015	1.2 - 5.0
	-.010	10.1 -11.6	+.020	5.0 - 8.15
	-.015	11.6 -13.1	+.025	8.16-12.3
			13 May - 18 May	
			+.020	0.0 - 2.19
			+.025	2.0 - 5.6
			+.030	5.6 - 8.9
			+.035	8.9 -12.3

SETTLEMENT & SQUAT CORRECTION
(Launches Only)

Speed (RPM)	Correction (Feet)
0 - 1000	0.0
1000 - 2400	+0.2
2400 - ----	0.0

LIST OF SIGNALS

NAME USED	ORIGIN OF STATION
ABE	T 12278
~~ART~~ Not used	? Not used
BAT	T 12278
BLACK or ACK	BLACK 2, 1963 T-12278
BUS	~~T 12278~~ T-12275
CANE or CAN	CANE, 1933
CAP	T 12278
CAT	~~T 12278~~ T-12275
DEL or DELTA	DELTA 2, 1963
DOG	T 12278
DON	~~T 12278~~ T-12275
EAT (H) Vol. II pgs 35 & 36	~~T~~
EGO	T 12278
FEZ	~~T 12278~~ T-12275
FOX	T 12278
GAL	T-12275
GAS	T 12278
GEO Falbo A sheet	GEORGETOWN L.H. 1925
HOP	T 12278
HUG	T 12275
ICE	T 12275
IDA	T 12278
JOE	T 12278
JUG	T 12275
KEY	T 12278
KID	T 12275
LEG	T 12275
LEO	T 12278
MAG	T 12278
MAW	T 12275
NIX	T 12278
OAK	T 12278
PAR	PAR, 1934
PEG	T 12278
QUO	T 12278
RAG	~~T 12278~~ T-12275
SOX	T 12278
TAP	T 12278
USE	T 12278



Murrells Inlet
Midway Inlet
Pawleys Inlet
North Inlet
GEORGETOWN
Winyah Bay
(chart 787)
GEORGETOWN
R Bn 294
WH-20-1-64
R "2WB" hrd S
Fl 10sec BELL
Fl 4sec BELL
McClellanville
Cape Island
TOWERS
CAPE ROMAIN
R "WR4"
Qk Fl R BELL
Wreck
WH-20-2-64
QKFlR "WR2A" BELL
3° W (1968)
R "2CR" WHIS
BW BELL
(chart 1238)
Bull Island
Bull Breakers
R "28B"
Inlet
R "6"
Fl 10sec WHIS
W Or
E Int 6sec
AREA
WRECK
PROHIBITED DUMPING AREA

NORFOLK HYDROGRAPHIC PROCESSING BRANCH
ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-8818 (WH 20-1-64)

GENERAL

This appears to be an excellent basic survey. Soundings at crossings are considered to be in good agreement in this exposed area of irregular and changeable bottom.

CHART COMPARISON

The more significant changes are as follows:

		CHART	H-8818
Lat. 33-09.10'	Long. 79-10.22'	6'	9'
" 06.70	" 14.40	2	9 - 12
" 06.55	" 14.50	5	11
" 06.55	" 14.90	1½	11
" 06.70	" 14.70	4	8

DISCREPANCIES

Lat. 33-08.5 Long. 79-14.5 The 4' sounding on position 25s(red) appears to be displaced. In addition, soundings between 25 and 26s do not agree at crossing with 89 to 90p(red).

Respectfully submitted,
Hugh L. Proffitt
Carto-Tech

Norfolk, Va.
Dec. 14, 1965

FORM C&GS-712
(3-9-64)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

TIDE NOTE FOR HYDROGRAPHIC SHEET

August 18, 1966

Nautical Chart Division: R. H. Carstens

Plane of reference approved in
14 volumes of sounding records for

HYDROGRAPHIC SHEET 8818

Locality: Cape Romain, South Carolina

Chief of Party: H. R. Lippold Jr. (1964)

Plane of reference is mean low water

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

Georgetown Lighthouse, South Carolina
Cedar Island Point, South Carolina

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

Georgetown Lighthouse	4.0 feet
Cedar Island Point	4.1 feet

Remarks

J. M. Symons
Chief, Tides and Currents Branch

USCOMM-DC 6680-P64

FORM 197
(3-16-55)

GEOGRAPHIC NAMES

Survey No. H-8818

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Alligator Crk.										1
Bird Bank Creek										2
Cane Island										3
Cape Island										4
Cape Island Pt.										5
Cedar Island										6
Murphy Island										7
North Santee Bay										8
North Santee River										9
Santee Point										10
South Island										11
South Santee Is.										12
		Names approved 3-30-66								13
		Frank W. Hackett								14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

FORM C&GS-946
(REV. 3-1-64)
(PRESC. BY HYDROGRAPHIC MANUAL 20-2, 6-94, 7-13)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
NAUTICAL CHART DIVISION

HYDROGRAPHIC SURVEY STATISTICS

HYDROGRAPHIC SURVEY NO. 8818

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	1	OVERLAYS (paper)	1

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES						
CAHIERS	1. Fathograms					
VOLUMES	14					
BOXES						

T-SHEET PRINTS *(List)*

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				

	BEGINNING DATE	ENDING DATE
PRE-VERIFICATION BY		
VERIFICATION BY		
REVIEW BY		

USCOMM-DC 6641-P64

FORM C&GS-946A
(REV. 11-65)
(PRES. BY HYDROGRAPHIC MANUAL, 6-94)

U.S. DEPARTMENT OF COMMERCE
E55A
COAST AND GEODETIC SURVEY

VERIFIER'S REPORT

HYDROGRAPHIC SURVEY, H-8818

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
Note: The verifier should first read the Descriptive Report for general information and problems.		
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		
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		
3. All reference to survey sheets mentioned in the Descriptive Report should include registry number and year. Remarks Required: -- None		
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		
5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences.		
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		
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.		
Part III - JUNCTIONS **Note:** Make a cursory comparison preliminary to inking soundings in area of overlap.		
8. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical. Remarks Required: -- None		
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		

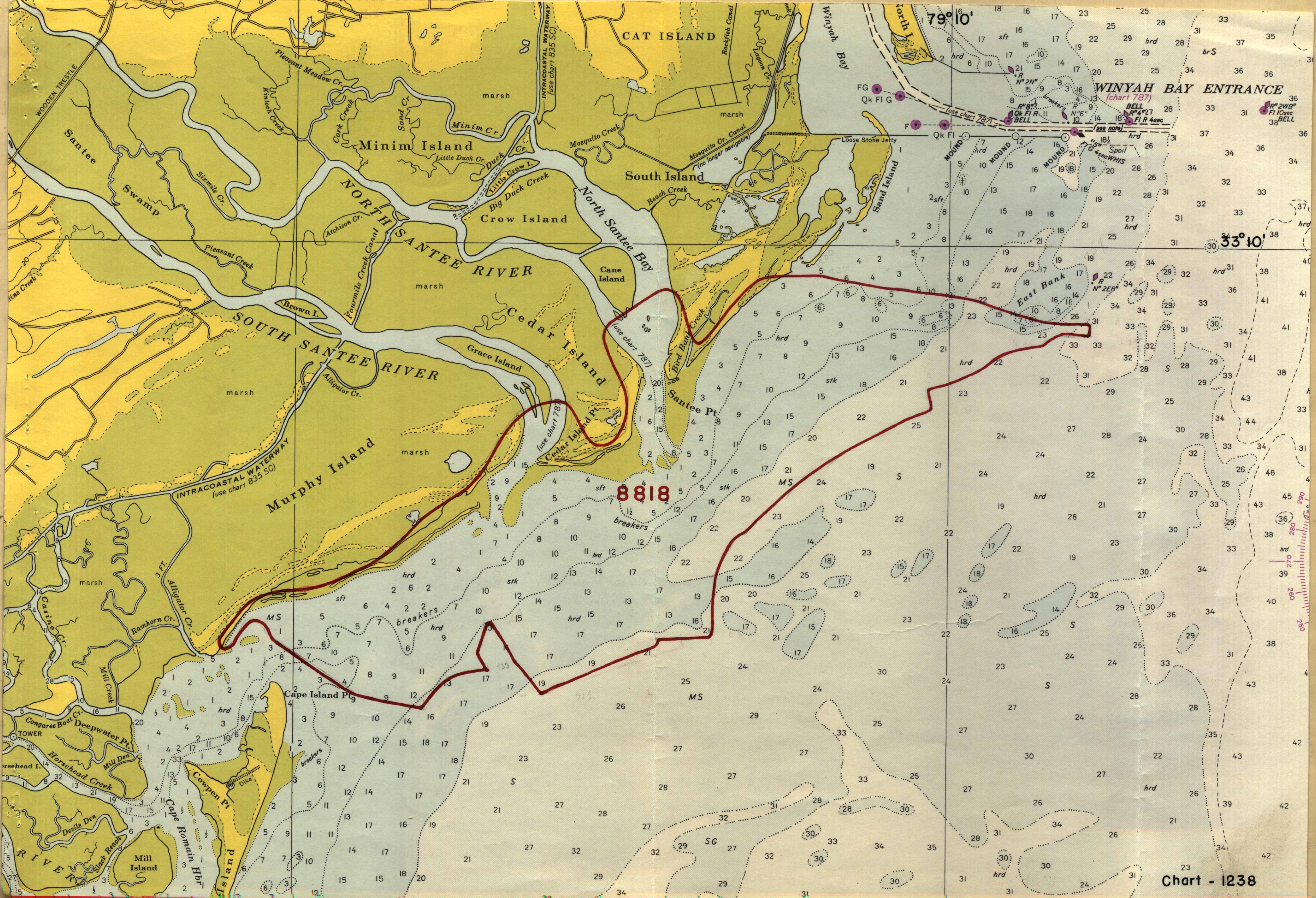
Part III - JUNCTIONS (Continued)	CL	R
10. Junctions with contemporary surveys were satisfactory except as follows: Remarks Required: -- Consider conditions after adjustments have been made; note adjustments made. Make special notes of **Butt** junctions and areas which are **SUPERSEDED.**		
Part IV - 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		
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		
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		
14. The protracting and plotting of all unsatisfactory crossings were verified. Remarks Required: -- None		
15. All detached positions locating **critical** soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: -- None		

USCOMM-DC 36272-P65

Part V - PROTRACTING (Continued)	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.		
17. The protractor has been checked within the last three months. Remarks Required: -- Date of check, type of protractor and number.		
Part VI - SOUNDINGS		
18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: -- None		
19. Sounding line crossings were satisfactory except as follows: Remarks Required: -- Discuss adjustments.		
20. The spacing of soundings as recorded in the records was closely followed; Remarks Required: -- None		
21. The scanning, reduction, spacing, plotting of questionable soundings have been verified. 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.		
Part VII - CURVES		
23. The depth curves have been inspected **before** inking. Remarks Required: -- By whom was the penciled curves inspected.		
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		
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.		

Part VIII - AIDS TO NAVIGATION	CL	R
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.		
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 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		
29. Heights of rocks awash were correctly reduced and compared with topographic information. Remarks Required: -- Note excessive conflicts with topographic information.		
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		
31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: -- None		
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		
33. The bottom characteristics are adequately shown. Remarks Required: -- None		
Part XI - NOTES TO THE REVIEWER		
34. Unresolved discrepancies and questionable soundings.		
35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.		
36. Supplemental information.		

Verified by	Date



79°10'
33°10'
WINYAH BAY ENTRANCE
(chart 787)
CAT ISLAND
Winyah Bay
North I.
South Island
Sand Island
Minim Island
Crow Island
Cane Island
Cedar Island
Grace Island
Brown I.
Murphy Island
Cedar Island Pt
Santee Pt
Bird Bank Creek
East Bank
NORTH SANTEE RIVER
SOUTH SANTEE RIVER
North Santee Bay
Santee
Swamp
WOODEN TRESTLE
INTRACOASTAL WATERWAY
(use chart 835 SC)
Pleasant Meadow Cr.
Kinlock Creek
Cork Creek
Sand Cr.
Minim Cr.
Little Duck Cr.
Duck Cr.
Little Crow I.
Big Duck Creek
Mosquito Creek
Mosquito Cr. Canal
(no longer navigable)
Beach Creek
Rockfish Canal
Atchison Cr.
Fourmile Creek Canal
Pleasant Creek
Alligator Cr.
Loose Stone Jetty
Spoil
marsh
breakers
(use chart 787)
8818
Cape Island Pt
Cape Romain Hbr
Cowpen Pt
Mill Island
Deepwater Pt
Congaree Boat Cr.
Horsehead Creek
Mill Creek
Casino Cr.
Ramhorn Cr.
Devils Den
Mill Den
Jack Reach
RIVER
TOWER
Dike
Chart - 1238

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-8818

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
787	1-11-66	De Lawder	~~Full~~ Part Before ~~After~~ Verification Review Inspection Signed Via
			Drawing No.
1238	7/11/66	W. H. Ward	~~Full~~ Part Before ~~After~~ Verification Review Inspection Signed Via
			Drawing No. Revised 1 sdg, app thru chart
			787 Dwg # 15
1110	7/11/66	W. H. Ward	~~Full~~ Part Before ~~After~~ Verification Review Inspection Signed Via
			Drawing No. Exam thru 1238, No corr - inshore hydro
			Reviewed without going thru chart 1238 to meet schedule.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

Part argued before V&R 1-11-66 RKD.