TP-00691

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline Mapping (Chart Compile Job No. CM-7506 Map No. TP-00691 Classification No. Final Edition No. 1st. Field Edited Map	tion)
LOCALITY	
State Virginia General Locality Virginia Beach City Locality Rudee Inlet	
1975 TO 1977	
REGISTRY IN ARCHIVES	
DATE	

★ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-775

NOAA FORM 76-36A NATIONAL OCEANIC AND ATMOS PHERIC ADMIN. DESCRIPTIVE REPORT - DATA RECORD DESCRIPTIVE REPORT - DATA RECORD PHOTOGRAMMETRIC OFFICE Coastal Mapping Division-Rockville, Md. OFFICER-IN-CHARGE COMMANDER James Collins LAST PRECEEDING MAP EDITION TYPE OF SURVEY JOB PH. ORIGINAL NAP CLASS Final LAST PRECEEDING MAP EDITION TYPE OF SURVEY JOB PH. ORIGINAL NAP CLASS SURVEY DATES: RESURVEY SURVEY DATES: RESURVEY DISTRICTIONS DATED I. INSTRUCTIONS DATED II. DATUMS II. DATUMS II. HORIZONTAL: MEAN HIGH-WATER MEAN LOW-WATER DATUM OF 1929 OTHER (Specify) National Geodetic Vertical Datum of 1929
DESCRIPTIVE REPORT - DATA RECORD RESURVEY
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division-Rockville, Md. OFFICER-IN-CHARGE Commander James Collins L INSTRUCTIONS DATED I. OFFICE Instructions-AEROTRIANGULATION-1/12/76 Instructions-OFFICE-2/12/76 II. DATUMS I. HORIZONTAL: DISTRUCTION OTHER (Specify) National Geodetic Vertical Datums of 1020
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division-Rockville, Md. OFFICER-IN-CHARGE Commander James Collins I. INSTRUCTIONS DATED I. OFFICE Instructions-AEROTRIANGULATION-1/12/76 Instructions-OFFICE-2/12/76 II. HORIZONTAL: II. DATUMS II. HORIZONTAL: III. DATUMS III. DA
Coastal Mapping Division-Rockville, Md. Type of Survey JOB PH. ORIGINAL MAP CLASS Commander James Collins ReviseD 19_To 19_ L. INSTRUCTIONS DATED 1. OFFICE 2. FIELD Instructions-AEROTRIANGULATION-1/12/76 Instructions-OFFICE-2/12/76 II. DATUMS 1. HORIZONTAL: Y 1927 NORTH AMERICAN OTHER (Specify) National Geodetic Vertical Datum of 1020
OFFICER-IN-CHARGE Commander James Collins I. INSTRUCTIONS DATED I. OFFICE II. DATUMS II. DATUMS II. DATUMS II. DATUMS II. HORIZONTAL: III. DATUMS III. DA
OFFICER-IN-CHARGE Commander James Collins I. INSTRUCTIONS DATED 1. OFFICE Instructions-AEROTRIANGULATION-1/12/76 Instructions-OFFICE-2/12/76 II. DATUMS 1. HORIZONTAL: II. DATUMS OTHER (Specify) National Geodetic Vertical Datums of 1020
Commander James Collins I. INSTRUCTIONS DATED 1. OFFICE 1. OFFICE 1. Instructions-AEROTRIANGULATION-1/12/76 Instructions-OFFICE-2/12/76 II. DATUMS 1. HORIZONTAL: II. DATUMS 1. HORIZONTAL: II. MEAN HIGH-WATER MEAN LOW-WATER OTHER (Specify) National Geodetic Vertical Datum of 1020
I. INSTRUCTIONS DATED 1. OFFICE 2. FIELD Instructions-AEROTRIANGULATION-1/12/76 Instructions-OFFICE-2/12/76 II. DATUMS 1. HORIZONTAL: Year Mean High-water Mean Low-water Mational Geodetic Vertical Datum of 1020
Instructions-AEROTRIANGULATION-1/12/76 Instructions-OFFICE-2/12/76 II. DATUMS I. HORIZONTAL:
Instructions-AEROTRIANGULATION-1/12/76 Instructions-OFFICE-2/12/76 II. DATUMS I. HORIZONTAL: X 1927 NORTH AMERICAN OTHER (Specify) MEAN HIGH-WATER National Geodetic Vertical Dotum of 1020
Instructions-OFFICE-2/12/76 II. DATUMS 1. HORIZONTAL: X 1927 NORTH AMERICAN OTHER (Specify) OTHER (Specify) National Geodetic Vertical Detum of 1020
Instructions-OFFICE-2/12/76 II. DATUMS 1. HORIZONTAL:
II. DATUMS I. HORIZONTAL: Year 1927 North American OTHER (Specify)
1. HORIZONTAL: X 1927 NORTH AMERICAN OTHER (Specify) X MEAN HIGH-WATER National Geodetic Vertical Y MEAN LOW-WATER Detum of 1020
1. HORIZONTAL: The property of the property
1. HORIZONTAL: X 1927 NORTH AMERICAN OTHER (Specify) X MEAN HIGH-WATER National Geodetic Vertical Y MEAN LOW-WATER Detum of 1020
1. HORIZONTAL: X 1927 NORTH AMERICAN OTHER (Specify) X MEAN HIGH-WATER National Geodetic Vertical Y MEAN LOW-WATER Detum of 1020
1. HORIZONTAL: X 1927 NORTH AMERICAN OTHER (Specify) MEAN HIGH-WATER National Geodetic Vertical Detum of 1020
OTHER (Specify) National Geodetic Vertical Notice of 1020
MEAN HIGH-WATER National Geodetic Vertical Notional Geodetic Vertical
2. VERTICAL: Dotum of 1020
MEAN LOWER LOW-WATER DALUM OF TACA
MEAN SEA LEVEL
3. MAP PROJECTION 4. GRID(S)
Lambert Conformal State ZONE Virginia South
5. SCALE STATE ZONE
III. HISTORY OF OFFICE OPERATIONS
OPERATIONS NAME DATE
1. AEROTRIANGULATION BY I. Raborn 11/18/76
METHOD: Analytic LANDMARKS AND AIDS BY N/A
2. CONTROL AND BRIDGE POINTS PLOTTED BY I. Harrod 2/09/76
METHOD: Coradomat CHECKED BY N/A
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY J. Schad 14/02/76
COMPILATION CHECKED BY G. Fromm 5/20/76 INSTRUMENT: Wild B-8 CONTOURS BY N/A
scale: 1:7,500 pantographed to 1:5,000cked by N/A 4. MANUSCRIPT DELINEATION PLANIMETRY BY J. School 14/05/76
SCALE: 1:7,500 pantographed to 1:5,000cked BY N/A
SCALE: 1:7,500 pantographed to 1:5,000cked by N/A 4. MANUSCRIPT DELINEATION PLANIMETRY BY J. Schad 4/05/76 CHECKED BY G. Fromm 5/28/76 METHOD: Smooth Drofting
SCALE: 1:7,500 pantographed to 1:5,000cked by N/A 4. MANUSCRIPT DELINEATION PLANIMETRY BY J. Schad 4/05/76 CHECKED BY G. Fromm 5/28/76 METHOD: Smooth Drafting CHECKED BY N/A CHECKED BY N/A
SCALE: 1:7,500 pantographed to 1:5,000cked by N/A 4. MANUSCRIPT DELINEATION PLANIMETRY BY J. Schad 4/05/76 CHECKED BY G. Fromm 5/28/76 METHOD: Smooth Drafting CHECKED BY N/A HYDRO SUPPORT DATA BY N/A
SCALE: 1:7,500 pantographed to 1:5,000cked by N/A 4. MANUSCRIPT DELINEATION PLANIMETRY BY G. Fromm 5/28/76 CHECKED BY CONTOURS BY N/A METHOD: Smooth Drafting CHECKED BY N/A SCALE: 1:5,000 CHECKED BY N/A
SCALE: 1:7,500 pantographed to 1:5,000cked by 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY METHOD: Smooth Drafting CHECKED BY SCALE: 1:5,000 CHECKED BY N/A SCALE: 1:5,000 CHECKED BY N/A 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY THOROGRAPHICAL STREET ST
SCALE: 1:7,500 pantographed to 1:5,000cked by N/A 4. MANUSCRIPT DELINEATION PLANIMETRY BY J. Schad 4/05/76 CHECKED BY G. Fromm 5/28/76 METHOD: Smooth Drafting CHECKED BY N/A HYDRO SUPPORT DATA BY N/A SCALE: 1:5,000 CHECKED BY N/A 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY G. Fromm 6/09/76
SCALE: 1:7,500 pantographed to 1:5,000cked by 4. MANUSCRIPT DELINEATION CHECKED BY CONTOURS BY CONTOURS BY CHECKED BY CHECKED BY CHECKED BY SCALE: 1:5,000 CHECKED BY CHECKED BY N/A CHECKED BY N/A SCALE: 1:5,000 CHECKED BY N/A SCALE: 1:5,000 CHECKED BY N/A THERMODISTRICTION PRIOR TO FIELD EDIT BY G. Fromm 6/09/76 6. APPLICATION OF FIELD EDIT DATA
SCALE: 1:7,500 pantographed to 1:5,000cked by 4. Manuscript Delineation CHECKED BY CONTOURS BY METHOD: Smooth Drafting CHECKED BY CHECKED BY CHECKED BY CHECKED BY SCALE: 1:5,000 CHECKED BY CHECKED BY N/A SCALE: 1:5,000 CHECKED BY T. Harrod 6. APPLICATION OF FIELD EDIT DATA CHECKED BY G. Fromm 6/15/77 6. APPLICATION SECTION REVIEW BY G. Fromm 6/20/77 8. FINAL REVIEW BY G. Fromm 6/28/77 6/28/77
SCALE: 1:7,500 pantographed to 1:5,000cked by 4. MANUSCRIPT DELINEATION PLANIMETRY BY G. Fromm 5/28/76 CHECKED BY CONTOURS BY N/A SCALE: 1:5,000 CHECKED BY CHECKED BY SCALE: 1:5,000 CHECKED BY TA 1. Harrod 6. APPLICATION OF FIELD EDIT DATA CHECKED BY T. Harrod CHECKED BY T. COMPILATION SECTION REVIEW BY G. Fromm 6/20/77 6/20/77

OAA FORM 76-36B 3-72)			NATIONAL OCEA		NATIONAL	OCEAN SURV
TP-00691	co	MPILATION SO	URCES			
. COMPILATION PHOTOGRAP	PHY	<u> </u>				
CAMERA(S) Wild RC-10(TYPES OF	NATACE A DUN			
152.74mm focal 1			PHOTOGRAPHY GEND	1	TIME REFE	RENCE
IDE STAGE REFERENCE	engon	-		ZONE		
PREDICTED TIDES		(C) COLOR	_	East		[X]STANDAI
REFERENCE STATION REC	· · · · · · · · · · · · · · · · · · ·		MATIC	MERIDIAN	<u>'</u>	
TIDE CONTROLLED PHOTE		(I) INFRARE	ᄋ	75th		DAYLIGH
NUMBER AND TYPE	DATE	TIME	SCALE	7 700	STAGE OF	TIDE
75B(C)6563 - 6566	10/14/75	1011	1:15,000	Not A	ppl i cab	le
75B(I)6949R-6954R	10/31/75	1430-1435	1:15,000	Refer	to the	following
75B(I)6994R-6998R	11/02/75	0755-0759	1:15,000			informat
EMARKS						
	1	motiond to	1.5 000	1.0		
/ All the charge				163		
All the above SOURCE OF MEAN HIGH.W. The MHW line was black-and-white t listed under item	ATERLINE: delineated by g ide-coordinated	raphic compi	lation from	ratioed		
source of Mean High.w. The MHW line was black-and-white t	ATERLINE: delineated by g ide-coordinated	raphic compi	lation from	ratioed		
SOURCE OF MEAN HIGH-W. The MHW line was black-and-white t listed under item	ATERLINE: delineated by g ide-coordinated 1. TER OR MEAN LOWER I delineated by g ide-coordinated	raphic compiinfrared ph	lation from otography to	ratioed aken in O	ct. 197	of the
SOURCE OF MEAN HIGH-W. The MHW line was black-and-white t listed under item SOURCE OF MEAN LOW-WA The MLW line was black-and-white t listed under item CONTEMPORARY HYDROG	ATER LINE: delineated by g ide-coordinated 1. TER OR MEAN LOWER H delineated by g ide-coordinated 1.	raphic compiinfrared photographic content the content to the content	lation from otography to	ratioed aken in O	prints ov. 197	of the
SOURCE OF MEAN HIGH-W. The MHW line was black-and-white t listed under item SOURCE OF MEAN LOW-WA The MLW line was black-and-white t listed under item CONTEMPORARY HYDROG	ATER LINE: delineated by g ide-coordinated 1. TER OR MEAN LOWER H delineated by g ide-coordinated 1.	raphic compiinfrared photographic content the content to the content	lation from otography to	ratioed aken in O	prints ov. 197	of the
SOURCE OF MEAN HIGH-W. The MHW line was black-and-white the listed under item SOURCE OF MEAN LOW-WATHE MIW line was black-and-white the listed under item CONTEMPORARY HYDROGURVEY NUMBER DATE(SOURCE) FINAL JUNCTIONS	ATER LINE: delineated by g ide-coordinated 1. TER OR MEAN LOWER I delineated by g ide-coordinated 1. RAPHIC SURVEYS (List	raphic compiinfrared phenomenate compiinfrared phenomenate phenomenate phenomenate compiinfrared phenomenate phenomenate compiinfrared compiinfrared phenomenate compiinfrared compiinfrar	lation from otography to	ratioed aken in O	prints ov. 197	of the
SOURCE OF MEAN HIGH-W. The MHW line was black-and-white t listed under item SOURCE OF MEAN LOW-WA The MLW line was black-and-white t listed under item CONTEMPORARY HYDROG URVEY NUMBER DATE(S	ATER LINE: delineated by g ide-coordinated 1. TER OR MEAN LOWER H delineated by g ide-coordinated 1.	raphic compiinfrared pherometric compiinfrared compiinfrared pherometric compiinfrared compiin	lation from otography to	ratioed aken in O	prints ov. 197	of the

NOAA FORM 76-36B(1) (7-75)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE - COORDINATED PHOTOGRAPHY

	TP – 00691	<u> </u>	
LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
		in feet	in feet
Rudee Inlet, Va. 75B(I)6949-6954R] _ ,
75B(I)6949-6954R	Virginia Beach Tide Station	-0.15 MHW	3.4
,			
Rudee Inlet, Va.			
75B(I)6994-6998R	Virginia Beach Tide Station	-0.10 MLW	3.4
	}]]
			,

REMARKS:

 \bigstar The mean ranges of tide listed above were taken from the 1975 Tide Tables publication.

- 4	
_	٠.

Pege 1 of f

NDAA FORM 76—36C (3—72)	NATIONAL OCEANIC AND ATMOSPHER	MENT OF COMMERC RIC Administration NAL Ocean Surve
TP-00691 HISTORY OF FIELD	OPERATIONS.	
I FIELD INSPECTION OPERATION FIE	LD EDIT OPERATION. 💢 Premar	rking
OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	E. Pursel	9/30/75
RECOVERED BY	Dune of	9/75
2. HORIZONTAL CONTROL ESTABLISHED BY	N/A	
PRE-MARKED OR IDENTIFIED BY	<u> </u>	9/75
RECOVERED BY 3, VERTICAL CONTROL ESTABLISHED BY	21.60	
3, VERTICAL CONTROL PRE-MARKED OR IDENTIFIED BY	41.14	
RECOVERED (Triangulation Stations) BY	N/A	•
4. LANDMARKS AND LOCATED (Field Methods) BY	N/A	
TYPE OF INVESTIGATION	N/A	
5. GEOGRAPHIC NAMES GOMPLETE	1	
INVESTIGATION SPECIFIC NAMES ONLY	N/A	
MO INVESTIGATION		
6. PHOTO INSPECTION CLARIFICATION OF DETAILS BY	-1-7-24-1-1	
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY 11. SOURCE DATA	N/A	
1. HORIZONTAL CONTROL IDENTIFIED	2. VERTICAL CONTROL IDENTIFIED	
Premarked	None	
PHOTO NUMBER STATION NAME	PHOTO NUMBER STATION D	ESIGN A TION
75B(C) 6564 Decca 1955 RM 2 75B(C) 6561 Coratan 1934 RM 3 75B(C) 6565 Va. Beach Muni. Water Tank 195 75B(C) 6568 Cavalier Hotel Cupola 1929	3	
3. PHOTO NUMBERS (Clarification of details)		
None		
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED		
None		
PHOTO NUMBER OBJECT NAME	PHOTO NUMBER OBJEC	TNAME
5. GEOGRAPHIC NAMES: REPORT NONE 7. SUPPLEMENTAL MAPS AND PLANS	6. BOUNDARY AND LIMITS: REP	ORT 🚺 NONE
None		
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data subm Four NOAA 76-53 forms (Control Station Ident One NOAA 76-109 form (Horizontal Directions) Two NOAA 76-77 forms (Leveling Record-Tide S	ification Card)	<u> </u>

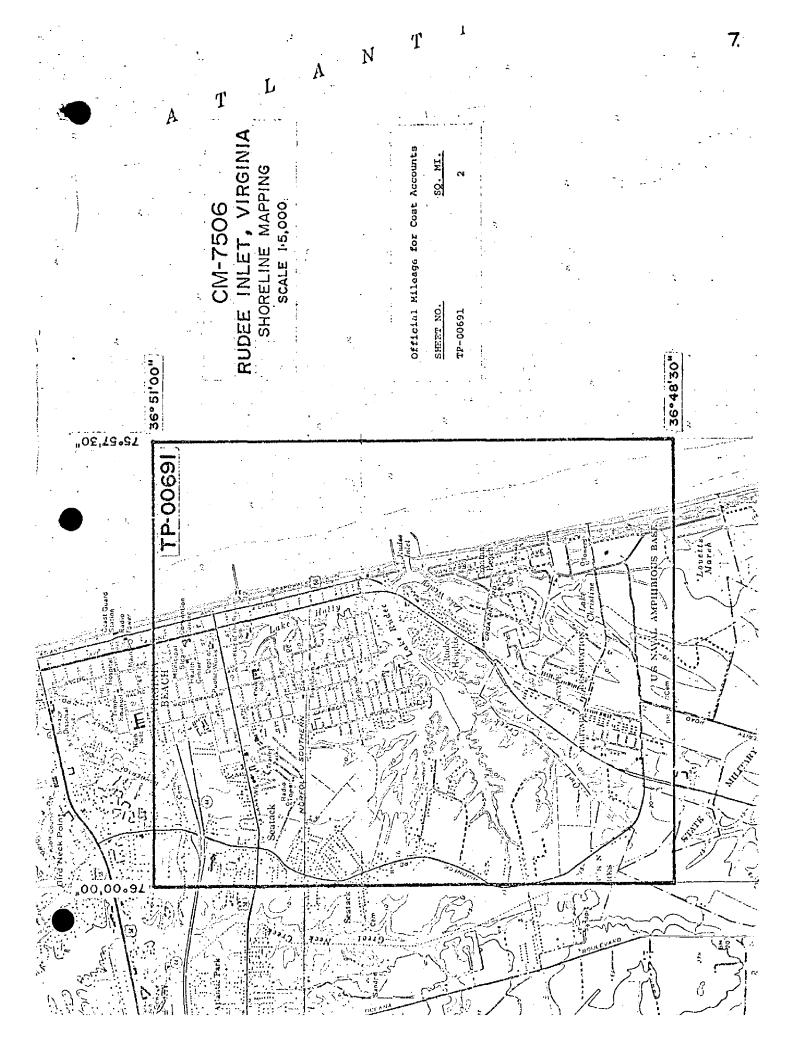
-	
•	
•	

·72)	HICTARY OF ELECT		AND ATMOSPHERIC A	OCEAN SUF
TP-00691	HISTORY OF FIELD	D EDIT OPERATION.		
	PERATION	NAM	E	DATE
, CHIEF OF FIELD PARTY		Junior V. Tea	ter	6/8/77
	RECOVERED BY	Junior V. Tea		6/8/77
. HORIZONTAL CONTROL	ESTABLISHED BY	N/A		9/9/11
	PRE-MARKED OR IDENTIFIED BY	N/A		
	RECOVERED BY	N/A		
, VERTICAL CONTROL	ESTABLISHED BY	N/A		
	PRE-MARKED OR IDENTIFIED BY	N/A		
	ECOVERED (Triangulation Stationa) BY	Junior V. Tea	ter	<u>6/8/77</u>
LANDMARKS AND AIDS TO NAVIGATION	LOCATED (Field Methods) BY	_N/A		
PIRA 14 MEANAULON	IDENTIFIED BY	N/A		
	TYPE OF INVESTIGATION			
, GEOGRAPHIC NAMES INVESTIGATION	SPECIFIC NAMES ONLY	[
·	X NO INVESTIGATION	N/A		
, PHOTO INSPECTION		N/A		
. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N/A		
I. SOURCE DATA	440. 2. 20 40 (960) (6120 01	1 19 / H		
, HORIZONTAL CONTROL IDE	ENTIFIED	2. VERTICAL CONTRO	OL IDENTIFIED	
Premarked		None		
PHOTO NUMBER	ST A TION. NAME	PHOTO NUMBER	STATION DESIG	NATION
3. PHOTO NUMBERS (Clarificat 75B(C)6565	ion of details)			
4. LANDMARKS AND AIDS TO I	NAVIGATION IDENTIFIED			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NA	ме
5 GEOGRAPHIC NAMES	Derbont Wals	4. POUNDARY AND	IMITE: TO DEPOSE	W 1/21
5. GEOGRAPHIC NAMES: 7. SUPPLEMENTAL MAPS AND	REPORT Y NONE	6. BOUNDARY AND L	IMITS: EPORT	[X] иои
	tated Chart 1227			
	tetch books, etc. DO NOT list data submit		ion)	
	rt(bound with this report	.).		
. NOAA 76-40	forms.			

NOAA FORM 76-36D (3-72)

U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-0	0691	RECOR	RD OF SURVE	Y USE			
I. MANUSC	RIPT COPIES						
	COM	PILATION STAGES	ŝ			DATE MANUSCRI	PT FORWARDED
	DATA COMPILED	DATE	RE	EMARKS		MARINE CHARTS	HYDRO SUPPORT
	ilation complete ing field edit	e 6/9/76	Class II	II Map		10/29/76	6/14/77
Fiel	d edit applied	6/16/77	Class I	Map		·	
	l review prior egistration	6/28/77	Final Ma	ap			
II. LANDM	ARKS AND AIDS TO NAVIGAT	ION					
i. REPO	ORTS TO MARINE CHART DIV	VISION, NAUTICAL	DATA BRANCH				
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REMA	RK5	
			 				
			 				· · · · · · · · · · · · · · · · · · ·
			·			<u> </u>	
· ·	REPORT TO MARINE CHART	•					
	REPORT TO AERONAUTICAL RAL RECORDS CENTER DATA		AERONAUTICAL	L DATA SEC	TION. DA	TE FORWARDED:	
1. 🔀 2. 🔀 3. 🔀	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTIF SOURCE DATA (except for Ge ACCOUNT FOR EXCEPTIONS	DUPLICATE FICATION CARDS;		S SOT SUBMI	TTED BY		
4. 🗌	DATA TO FEDERAL RECOR	DS CENTER. DATI	E FORWARDED:		 -		-
IV. SURVE	Y EDITIONS (This section sh	all be completed ea	ch time a new ma	p edition is re	egistered)		
	SURVEY NUMBER	JOB NUMBER				TYPE OF SURVEY	
SECOND	DATE OF PHOTOGRAPHY	(2) PH		4	REV	MAP CLASS	SURVEY
EDITION	Day gor The Togath	DATE OF		□n.	О ш.	□+v. □v.	FINAL
	SURVEY NUMBER	JOB NUMBER			_	YPE OF SURVEY	
THIRD	TP.			_	∐ REV		URVEY
EDITION	DATE OF PHOTOGRAPHY	Y DATE OF FIE	ELD EDI I		□ш.	MAP CLASS	FINAL
	SURVEY NUMBER	JOB NUMBER	4			YPE OF SURVEY	
FOURTH	TP -]	REV		ŰRVÉY
EDITION	DATE OF PHOTOGRAPHY	Y DATE OF FIE	ĒĻĎ EDIT	□ıı.	□ m.	MAP CLASS □iv. □v.	PINAL



SUMMARY

The purpose of this job is to provide a 1:15,000 scale map for reconstruction of the inset on small-craft chart 129 and to furnish hydrographic support for the NOAA Ship PEIRCE.

Field operations, which began in October 1975, generally consisted of premarking control, aerial photography and the establishment of tidal datums.

One strip of 1:15,000 scale natural color photography and two strips of 1:15,000 scale black-and-white tide-coordinated infrared photography were taken with the Wild RC-10(B) camera in October 1975 and November 1975.

The strip of color photography was bridged by analytic aerotriangulation methods to provide horizontal control for both the color and the infrared photography. The strip was controlled by field identified triangulation stations paneled in 1975.

Compilation was performed by the Special Projects Section in the Rockville Office during the spring of 1976. Planimetric features and pass points to control the infrared photography were compiled on the Wild B-8 stereoplotter using the color photography. The mean-high and mean-low water lines were compiled graphically using ratioed prints of the tide-coordinated infrared photography.

Field edit was completed and applied in June 1977.

Final review was completed in the Rockville Office in June 1977. This map was found to be satisfactory and meets the National Standards of Map Accuracy.

A Descriptive Report was prepared for this map and contains all pertinent reports and listings of all data used to complete the job. This map was registered as Final.

FIELD INSPECTION

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal and vertical control necessary for aerotriangulation.

Photogrammetric Plot Report Rudee Inlet, Virginia CM-7506 January 18, 1976

21. Area Covered

This report pertains to one TP sheet in the vicinity of Rudee Inlet, Virginia. The Sheet (1:5,000) is TP-00691.

22. Method

One strip of 1:15,000 scale color photography was bridged by analytic aerotriangulation methods. The strip was controlled by field identified control paneled in 1975. Points were located on all the strips to determine the ratio scale. Ratios were ordered for all three strips of photography. One matte each (black-and-white) for the bridging photography and one cronapaque and matte each for the mean low and high water infrared photography. Data for ruling projections were furnished to the Coradomat to be plotted in the Virginia South state plane coordinate system.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for the adjustment.

25. Photography

The photography was adequate as to coverage and overlap.

Respectfully submitted, Owy O. Robon Ivey O. Raborn

Approved_and_forwarded:

John D. Perrow, Jr.

Chief, Aerotriangulation Section

RUDEE INLET, VA CM-7506

Accuracy of strip adjustment in reference to given values of horizontal and vertical control.

HORIZONTAL READINGS:	DISCREPANCY	/ IN:
STATION:	, ' X	Υ
-CROATAN RM No. 3, 1934 (560101)		-0.081
	-1.475	
-VIRGINIA BEACH MUNICIPAL WATER	+1.605	+0.246.
TANK, 1953 (565100)		
-" "SUB STATION565101)	+1.425	+0.753
-CAVALIER HOTEL CUPOLA, 1929 (568100)		
" Sub Station(568101)	-0.404	-0.680
VERTICAL READINGS:	Z	
560201	-0.835	
560202	+0.804	
560203	+0.454	
563201	+1.484	
563202	-1.409	
566201	+0.510	
566202	-0.536	
568201	-0.974	
568202	+0.956	

NOAA FORM 76-41 (6-75)		DESCRIPTIV	DESCRIPTIVE REPORT CONTROL RECORD		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MAP NO. TP-00691	JOB NO. CM-7506		GEODETIC DATUM N.A. 1927	Coastal Mapping Rockville, Md	חg Division
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
Virginia Beach Muni cipal Water Tank, 1953	Quad 360754 Sta 1054	565100	χ= y=	φ 36-50-31,98000 λ 75-59-23,52300	
Decca, 1955	360754 Sta.1009	564100	x= \(\frac{\pi}{2}\)	φ 36-49-15.56200 λ 75-58-06.11900	Not plotted. Reporte lost by Photo field party.
Coratan, 1934	360754 Sta.1008	560100	χ= Ψ=	φ 36-47-04-48300λ 75-58-06.87600	Not plotted
Cavalier Hotel Cupola, 1929	360754 Sta.1045	568100	x= y=	φ 36-52-08.38100 λ 75-59-02.01200	Not plotted
			=ħ	\$	
			=h -x	\$	
			χ= y=	φ γ	
			χ= y=	ф ~	
			=h	φ	
			χ= γ=	Þ	
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE
LISTED BY G. Fromm		3/12/76	LISTING CHECKED BY J. Scha	þ	DATE 3/29/76
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE
		SUPERSEDES NO	SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.	H IS OBSOLETE.	

Compilation Report TP-00691

31. Delineation

Planimetric features on this map were compiled on the Wild B-8 stereoplotter using the 1:15,000 scale natural color photography.

The MHWL and MLWL were compiled graphically using the tide-coordinated black-and-white infrared photography. Control for the graphic compilation consisted of planimetric features and pass points compiled on the B-8 stereoplotter.

32. Control

The identification, density, and placement of horizontal and vertical control was adequate. Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

33. Supplemental Data - None

34. Contours and Drainage

Contours are inapplicable. All drainage features were compiled by office interpretation of the color photography.

35. Shoreline and Alongshore Details

There was no preliminary field inspection of the shoreline.

The MHWL and the MLWL were compiled graphically using ratioed prints of the black-and-white infrared photography. The color photography was used to supplement compilation of the MHWL.

36. Offshore Details

No unusual problems were encountered compiling the offshore detail.

37. Landmarks and Aids

Refer to 76-40 forms bound with this Descriptive Report.

Positions of landmarks and aids will be verified and/or located during field edit.

Control for Future Surveys

No form 524 was submitted.

39. Junctions

Refer to form 76-36B of the Descriptive Report bound with this job.

- 40. Horizontal and Vertical Accuracy No comment
- 41. thru 45. Inapplicable
- 46. Comparison with Existing Maps

A comparison was made with the following:

USGS quadrangle Virginia Beach, VA, scale 1:24,000, 1965, photorevised 1970

No significant differences were noted.

47. Comparison with Nautical Charts

A comparison was made with the following charts:

1227, scale 1:80,000, 11th edition, dated March 16, 1974
12205 (formerly 129-SC), scale 1:80,000, (Rudee Inlet Inset, 1:10,000 scale) 10th edition, dated Jan. 10, 1976.

Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by,

V. Schad

J. Schad

Special Projects Section

pproved and forwarded:

FIELD EDIT REPORT TP-00691 RUDEE INLET, VIRGINIA 13 June 1977

51. METHODS

The field edit investigation was conducted on 8 June 1977. The inspection was accomplished by driving the main public roads. All field edit notes appear on the field edit discrepancy sheet and on photograph 75B6565.

The overhead cable crossing (marked #1 on C hart 1227) at Rudee Inlet has been removed and is to be deleted from the chart. The overhead cable, marked #2 on Chart 1227, remains in place.

Rudee Inlet, Lake Rudee, and Lake Westley are constantly subject to dredging operations. Various objects questioned are movable pipe used for this operation and are to be deleted from the sheet.

The "BKW" shown on Chart 1227, at approximate latitude 36° 50.8° & longitude 76° 58.3°, is an experimental submerged sand trap. Although it was still in place at the time of field edit, it is subject to being removed or moved at various times.

52. ADEQUACY OF COMPILATION

Compilation appeared to be adequate. No outstanding discrepancies were noted.

53. MAP ACCURACY

There was no map accuracy checks performed during field edit.

56. GEOGRAPHIC NAMES

No discrepancies were noted while field editing this sheet.

57. LANDMARKS AND AIDS TO NAVIGATION

All landmarks and aids to navigation were verified, or deleted during this field edit.

58. FIELD EDITOR

Field edit was performed by Junior V. Teater and Leo F. Beugnet on 8 June 1977.

Respectfully Submitted,

Junior V. Teater Chief, Coastal Surveys Section

NOAA FORM 75-74				U.S. DEPARTMENT OF COMMERCE
(7-75)	РНОТ	OGRAMMET	RIC OFFICE REVIEW	NATIONAL OCEAN SURVEY
			'- 00691	
1. PROJECTION AND GRIDS	2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
$_{ m GF}$	GF		GF	GF
CONTROL STATIONS	<u> </u>		<u> </u>	
5. HORIZONTAL CONTROL ST THIRD-ORDER OR HIGHER	ATIONS OF ACCURACY	6. RECOVERAL OF LESS TH (Topographic	BLE HORIZONTAL STATIONS IAN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
${ t GF}$	-	(ropograpan	N/A	N/A
8. BENCH MARKS	9. PLOTTING OF	SEXTANT	10. PHOTOGRAMMETRIC	11. DETAIL POINTS
N/A	N/	A	GF	GF
ALONGSHORE AREAS (Nautice	I Chart Data)			······································
12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15, BRIDGES
· GF	GF		GF	GF
16. AIDS TO NAVIGATION	17. LANDMARKS		18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
GF	G <u>F</u>	•.	GF	GF
PHYSICAL FEATURES	!		*	
20. WATER FEATURES	1:	21. NATURAL	GROUND COVER	22, PLANETABLE CONTOURS
GF		1	N/A	N/A
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS I	N GENERAL	25. SPOT ELEVATIONS	26, OTHER PHYSICAL FEATURES
N/A	N/A		N/A	GF '
CULTURAL FEATURES				
27. ROADS	28. BUILDINGS		29. RAILROADS	30. OTHER CULTURAL FEATURES
GF	GF		N/A	GF
BOUNDARIES			132 202	
31. BOUNDARY LINES	N/A		32. PUBLIC LAND LINES	N/A
MISCELLANEOUS			<u></u>	
33. GEOGRAPHIC NAMES		34. JUNCTIONS	,	35. LEGIBILITY OF THE
GF	ľ		GF	GF
36. DISCREPANCY OVERLAY	37. DESCRIPTIVE	E REPORT	38. FIELD INSPECTION	39. FORMS
Q.F.	CE.		N/AO	GF
GF	· GF		ISUPERVISOR BEVIEW SECT	
J. France	-		Moral	pecial Proj. Section
G. Fromm		 	G. Ball, Sp	Decial 110; Section
41. REMARKS (See attached shee FIELD COMPLETION ADDITION		ONS TO THE "	ANIISCOIDT	<u> </u>
	furnished by the	field completi		to the manuscript. The manu-
COMPILER			SUPERVISOR	1.1
Y. Harry			Mory	War.
L. Harrod			G. Ball	
43. REMARKS				
			•	

2.

REVIEW REPORT TP-00691

Shoreline Mapping - Chart Compilation June 1977

61. General Statement

The map was reviewed in its Class 1 (field edit applied) stage by the Special Projects Section (Rockville). The Descriptive Report contains all of the pertinent information which may be required by users of this map.

- 62. Comparison with Registered Topographic Surveys None
- 63. Comparison with Maps of Other Agencies

Refer to the Compilation Report, item 46, bound with this Descriptive Report.

- 64. Comparison with Contemporary Hydrographic Surveys None
- 65. Comparison with Nautical Charts

A comparison has been made with a 1:10,000 scale inset on chart 12205 (formerly 129-SC) 10th Ed. Jan. 10/76, and no significant differences were noted.

66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau requirements.

Submitted by,

G. Fromm

Approved and forwarded:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7506 (Rudee Inlet, Va.)

TP-00691

Atlantic Ocean

Croatan Beach

Lake Christine'

Lake Holly

Lake Rudee

Lakeview

Lake Wesley

Owl Creek

Rudee Heights

Rudee Inlet

Virginia Beach

Approved by

Charles E. Harrington

Staff Geographer - C51x2

	OEP
PHOTOGRAMME IRIC BRANCH	COASTAL MAPPING DIVISION

76-40 LISTING

JONAL OCEAN SURVEY: NOAA

ERSION 19/20/76

ŽÎ. *AFFECTED* ACTIVITY 1227 12205 * CHARTS BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS COMPTLATION Ę *ORIGINATING Ŋ, 6708177 FIELD METHOD AND DATE PAGE OF LOCATION ņ * OFFICE CMD ROCKVILLE. MD VIRGINIA CODES* \$ LON * \$ * 0-0 06120* RUDEE INLET 6/22/17 SCALED FROM EXISTING CHART. 739.8 0 X: 0 POSITION STATE * LOCALITY DATE RPT UNIT 33.00 50 24.00 59 33.00 LONGITUDE LATITUDE * * 36 75 **#** # \$ ٥ 4 * ń 4 × 'n LANDMARKS FOR CHARTS TO BE DELETED (S) NOILISOd RECORD REASON FOR DELETION * NO LONGER OF LANDMARK VALUE * PUT TRIANGULATION NAMES IN RADIO TOWER WVAB RELOCATED HAVE DESCRIPTION APPROXIMATE THE FOLLOWING OBJECTS RUDEE IN. N.A. 1927 TP-00691 CM-7506 *CHARTING* X, ţ; R TR (WVAR) NAME JOB PRJ SVY * DTM 11114

TYPE OF ACTION	\$	AMES OF RESPONSIBLE PERSONNEL	‡	ORIGINATOR	
	 		 * 	' (1
OBJECTS INSPECTED FROM SEAWARD	*	PHOTO FIELD PARTY	*	PHOTO FIELD PARTY	
	*		*		
POSITIONS DETERMINED	*	J. TEATER L. BEUGNET	*	FIELD REPRESENTATIVE	
AND/OR VERIFIED BY	*	J. SCHAD	¢	OFFICE COMPILER	
FIELD AND OFFICE	**	NOT DIGITIZED	*	PIGITIZER	
ACTIVITIES	*	, G. FROMM	‡	DATA PROCESSER	

1114

TIONAL OCEAN SURVEY NOAA DEPARTMENT OF COMMEDCE USA

FREINAL FRSION

RUDEE IN. * N.A. 1927 *	STATE STATE STATE STATE STATE		* * *	ORIGINATING COMPILA	ACTIVITY 10N
HE FOLLOWING OBJECTS HAVE REE	TED FROM S	ARD TO DETER	INE THEI	VALUE AS LA	i S K K
* DESCRIPTION ING* RECORD REASON FOR DELE E * PUT TRIANGULATION NAMES	* LATITUDE * LONGITUDE	ON CODE DM C-C DD SEO	METHOD OF L OFFICE	AND DATE OCATION * FIELD	CHAR
TRGINIA REACH MI TER TANK 1953)	* 36 50 31.98 * 75 59 23.52	985.8 NOT * 582.8 DGTZD*	. 75BC6566 * 10/14/75	*TRIANG REC*	1227 12205
\$ 	8 	l 	† † † † † †	 	1 1 1 1 1
	! 		! ! ! ! !		;
	, , , , , , , , , , , , ,	, w z ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	! ! ! ! ! ! !	# * *	,
	1	** **	 		
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	 	1	1 1 1 1 1 1 1 1 1 1 1 1		, , , , , , , ,
		1	1		!
*	\$ \$		 	* * *	
		1		# # #	
, , , , , , , , , , , , , , , , , , ,	 	* * 	 	* * 	22

* TYPE OF ACTION	‡	NAMES OF RESPONSIBLE PERSONNEL	*	ORIGINATOR	#
·			11111		# 1 1 1
*	¢		\$		*
* OBJECTS INSPECTED FROM SEAWARD	ARD *	PHOTO FIELD PARTY	‡	PHOTO-FIELD PARTY	#
*	*		*		*
* POSITIONS DETERMINED	ţ	J. TEATER L. BEUGNET	*	FIELD REPRESENTATIVE	*
* AND/OR VERIFIED BY	*	J. SCHAD	*	OFFICE COMPILER	*
* FIELD AND OFFICE	*	NOT DIGITIZED	*	DIGITIZER	*
* ACTIVITIES	‡	G. FROWM	‡	DATA PROCESSER	*
· · · · · · · · · · · · · · · · · · ·	1 1 1 1 1 1		 		#
*******************************				***************	:

PHOTOGRAMMETRIC RRANCH	COASTAL MAPPING DIVISION

20N	i i	i i v	E I	* * * * !	1 101	•	•	* * * * ! !	;) * * : 	\$ # \$ \$!	: ‡ # \$ 	23.		* * *	* * * * * * *
EPSI (20/	F 3 ACTIV 10N	X X X X X X X X X X	< 1		122	7 0 0 C	· ·	 * *	, ; ; ; ;	, 	1 1 1 1 1 1 1 2 4 3		**		۵. د د	TATIVE LER Geo
	PAGE 1 INATING COMPILA	UE AS LAI	FIELD	1		15		;	;	f T T					ORIGINAT	REPRESEN CE COMPI IGITIZER
. (i ao	R (AL D VAL D AND	;	 * * 	4 (2) 4 : 4 : 1	4 N 	* *	 	 	 * * 	; 	* \$	* *			TELD OFFT DAT
NOAA E USA	Ω 1 Σ	MET HELD MET HOLD MET	. 	1 1	58C65	758C656 10/14/7		 	 	1 · · · · · · · · · · · · · · · · · · ·						* * * * * * *
URVEY OMMERC	KVILLE A NLET	DETERMIN	انا	 * * 	T * ZD*	1 * 02 + 0. 2 + 0.0 + 0.	 * *	 * * 	 #/# 			* * * * 	* * * * 			,
AN I	CMD RO VIRGIN RUDEE 6/22/	C	90	i ! ! ! !	24.5	 		 	1 1 · 6 1 1 1	t 6 6 8 8	 				E PERSO	BEUGNET D IZED
TIONAL	* RPT UNIT * STATE * LOCALITY * DOCALITY	ED FROM SE) – 1		6 49 45.7 5 58 00.9	5 58 02		† † † † † † † † † † † † † † † † † † †	† 5 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8		3 1 2 1 1 6 6 8)F RESPONSIBL	TEATER L. J. SCHA NOT DIGIT
NCH	CHART		*	* *	1	6	* *	 	! ! !	 * * *	; * *	 	* * !	•	AMES O	• • • • • • • • • • • • • • • • • • •
ETRIC BRA	AIDS FOR REVISED	04 BE 04 BE 11 BE 07 FT	Z I Z I Z I Z I Z I Z I Z I Z I Z I Z I		i I		i i	! ! ! ! !	; 	1 	;]] 1 1 † †]]] 			Z	* * * * * * *
PHOTOGRAMM COASTAL MAP	NONFLOATING TO B	BUECTS HAVE NOT SERVICE OF RESCRIPTION	ULATION		LET JETTY L AID	NLET JETTY LI AID		• • • • • • • • • • • • • • • • • • •	1 1 1 1 1 1 1 1 1	,				:	ACTION	TERMINED FIED BY OFFICE
	00691 ** 7506 ** EE IN. **		* PUT TRI	! ! ! !	UDEE I RIVATE	* RUDEE IN * PRIVATE		; 	 	 	! ! ! ! !	* *	* * 1		TYPE OF	SITIONS DET ND/OR VERIF FIELD AND
76-40 LISTING	 FORS U.S.D. •		五 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	 	i ii	L 16HT		; 	} 1 1 1 6 6 6 6) 	J 1 1 1 1 1 1		- 1]	9 8 A 8 N

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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	A REMARKS
12205	6-25-79	D. C.Kbupine	Ful NPart Before After Verification Review Inspection Signed Via
(129)		7	Drawing No. 14 A
いっし			A
12208	7-5-79	D.C. Haspine	Full Part Before After Verification Review Inspection Signed Via
3335		/	Drawing No. #10
			A NO Corrections This Scale char
12221	7-5-79	D.C. Harpine	Full Care Before After Verification Review Inspection Signed Via
(1222)			Drawing No. 74
d'C	 		A NO COLLECTIONS
12207	7-5-79	D. C. Hospin	Fully Part Before After Verification Review Inspection Signed Via
(1227)		7 7	Drawing No. 23
			No Corrections
			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.
			T. H. D. J. D. C. AG. M. C. D. J. C. A. M. C. A.
		<u></u>	Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
		<u> </u>	Full Part Before After Verification Review Inspection Signed Via
		<u>,</u>	Drawing No.
		1	Seemeng av.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Jiawnig ivo.
			<u> </u>
		<u> </u>	<u></u>
}			