9280

Diag. Cht. No. 77-3.

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. 742-5-1-72 Office No. H-9280

LOCALITY

State Maryland

General locality ~~Annapolis~~ Chesapeake Bay

Locality Rhode River

1972

CHIEF OF PARTY

N. C. Austin

LIBRARY & ARCHIVES

DATE 7-6-73

USCOMM-DC 37022-P66

550 - Appd DCH 1-25-79
1285 - 12263 Appd D.K.
12278-549

9280

FORM C&GS-537 (5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REGISTER NO.

H-9280

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.

742-5-1-72

State MARYLAND

General locality ~~ANNAPOLIS~~ CHESAPEAKE BAY

Locality RHODE RIVER

Scale 1:5000 Date of survey 4/20/72 to 5/9/72

Instructions dated March 1, 1972 Project No. SP-AMC-01-742-72

Vessel HYDROGRAPHIC FIELD PARTY 742, LAUNCH 1259

Chief of party LCDR NED C. AUSTIN

Surveyed by HFP 742 PARTY PERSONNEL, LT RICHARD BAKER OIC

Soundings taken by echo sounder, hand lead, pole ECHO SOUNDER

Graphic record scaled by HFP 742 PARTY PERSONNEL

Graphic record checked by Same

Protracted by Same Automated plot by AMC

Soundings penciled by NA

Soundings in ~~fathoms~~ feet at MLW ~~XXXXXX~~

REMARKS:

550
550SC
1225
77 NO Sdgs.

Applied to stds 8/2/73
CMB

USCOMM-DC 37002-P66

DESCRIPTIVE REPORT

TO ACCOMPANY

H-9280 742-5-1-72

OPR-SP-AMC-01-742-72

SCALE: 1:5000 HYDROGRAPHIC FIELD PARTY 742

CHIEF OF PARTY: LCDR NED C. AUSTIN

SURVEYED BY: LT RICHARD L. BAKER

* * * * * * * * * *

A. PROJECT

Sheet 742-5-1-72, Project SP-AMC-01-742-72 was done in accordance with Project Instructions(C3231) dated 1 March, 1972.

B. AREA SURVEYED

The area surveyed(see attached sketch)includes the entire Rhode River and its navigable tributaries. At the mouth of the Rhode River, the Southern limit is Latitude 38° 51.9'N, and the Eastern limit is a line extending from the Cupola at Dutchman Pt. to the junction of the Southern limit and Longitude 76° 30.5'W. Hydrography began on 20 April, 1972, and ended on 9 May, 1972. No junctions were made, and none were required.

C. SOUNDING VESSEL

All soundings on this survey were taken by Launch 1259 (Penn Yan), Blue was the identifying color used.

D. SOUNDING EQUIPMENT

Raytheon fathometer DE-723, No. 1885 was used generally for depths greater than 5 feet, and a sounding pole was used for depths 5 feet or less.

It was discovered that most of the Rhode River bottom is

covered with a soft layer of silt several feet in thickness. Most of the time a double trace consisting of the hard bottom below the silt line was visible on the Fathogram, but when the silt line was less than 5 feet deep, only the hard bottom was visible on the trace. When this happened in 3 cases(Pos. 1-2, Pos. 481-482, and Pos. 504-505), the Fathometer operator mistakenly read the hard bottom sounding without checking first with a sounding pole. These errors were discovered later while scanning, and corrected so that all soundings for the survey are taken to the top of the silt layer.

Echo sounder corrections were determined from daily bar checks.

E. SMOOTH SHEET

The Smooth Sheet will be prepared by AMC Processing Division.

F. CONTROL

All signals for this survey were located by Photo Party 61 on copy Shoreline Manuscript TP-00490 and are described in the Control Report to accompany this Descriptive Report.

G. SHORELINE

Shoreline details for this survey were obtained from final reviewed Shoreline ~~Manuscript~~ TP-00490 (1971-72) Scale 1:5000. Low water line was not defined by the soundings in this survey due to the very shallow inshore depths and relatively small tide range of 0.9 ft.

H. CROSSLINES

Approximately 10% of the sounding lines run were crosslines. They are in good general agreement, except for a few discrepancies in the area immediately SW of BIG ISLAND, between signals 530 and 526. It is felt that this is most likely a predicted tide problem and should improve when actual tides are used for smooth plotting.

I. JUNCTIONS

No junctions were made on this survey, and none were required.

J. COMPARISON WITH PRIOR SURVEYS

On May 9, 1972, Pre Survey Review Items 1 and 2, both

item 1 subm. wreck from Letter 1127(1965) at lat. 38°52.25', long. 76°31.07' (approx. pos.)
item 2 " " " " 833(1950) and 1628(1969) at lat. 38°52.36', long. 76°30.86'.

submerged wrecks, were searched for. A grid pattern of lines parallel to and perpendicular to the shoreline at 10 meter spacing was run over each wreck. Each grid covered an area about 150 meters North and 150 meters South of the reported wreck positions, between the 2' and 11' depth curves. No trace of either wreck was found. These wrecks may have deteriorated or sunk into the mud to the point where they are no longer significant. It is recommended that they be removed from the chart.

No record of plot submitted

Do not Concur See Review par 7A. JE

Item 3, a reported 3' shoal off Camp Letts is considered disproved by the sounding lines run in that area and should be removed from the chart.

approx. pos. originating with U.S. Power Squadron source - Letter 1436 (1969) Concur

Item 4, a submerged rock, was located on May 4, 1972 while running a sounding line, and a D. P. was taken, Pos. 1084. Using predicted tides, its least depth was approximately 6 inches below MLW. This rock is actually the high point of a rocky shoal about 20 or 30 feet long, although its exact nature could not be ascertained due to the cloudiness of the water. The existence of this feature was verified as shown on the chart and Pre Survey Review.

a rk. awash originating with Letter 833 (1950)

Concur

Actual tides have this rock baring 0.6 ft. at MLW *(1)

The results of this survey are in good general agreement with prior Survey H-5432, done in 1933.

K. COMPARISON WITH CHART

There is good general agreement between this Survey and Chart C&GS 550, although detailed comparison is impossible due to the great difference in scales. Several items not shown on the chart that are considered significant are as follows:

1. A recently dredged channel at the entrance to Cadle Creek next to DAYBN "1" (Signal 628).
2. A wreck ~~awash at MLW~~ bares 4 ft. MHW, D. P. Pos. 438, Approx. Lat 38° 53.23'N, Long. 76° 31.30'W. This position is very nearly the same as that of a dolphin shown on the Shoreline Manuscript TP-00490, and there is no dolphin in that area. It is su spected that this wreck was mistakenly identified as a dolphin on the photograph. Later copy of TP-00490 with 1972 Field Edit has wreck in place of dol and used as source for adding Wk. to chart.
3. An area fouled with dead trees in Muddy Creek extending approximately 100 meters NE of Signal 506 (See Boatsheet).

L. ADEQUACY OF SURVEY

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

M. AIDS TO NAVIGATION

All fixed and floating aids to navigation within the Project Limits were found to be as shown on Chart 550, and the Light List. Submarine cable areas were observed as shown on the Chart. Detached Positions were taken on all offshore aids to navigation, as well as several miscellaneous offshore features. These may be found in the Sounding Volumes.

N. STATISTICS

There were 1339 positions taken on this survey for a total of 69.7 nautical miles sounding line. The total area of the survey is approximately 3 square miles. ~~33~~ 35 bottom samples were taken.

O. MISCELLANEOUS

Much of the Rhode River bottom is covered with a layer of soft silt varying in thickness from about 1' to 8'. This layer is of a consistency such that a man will sink down 1' or 2' while walking in it. The typical double bottom profile obtained on this survey may be seen on almost every fathogram.

Fathogram scanning is considered adequate.

P. RECOMMENDATIONS

None.

Q. REFERENCES TO REPORTS

1. Field Edit Report for TP-00490, to be submitted by Chief, Photo Party 61.
2. Control Report for 742-5-1-72, prepared by Photo Party 61, and submitted with this report.
3. HFP 742 Field Season's Report for OPR 409, 1972.

Respectfully Submitted,

Richard L. Baker

Richard L. Baker
LT, NOAA

CONTROL REPORT
BOAT SHEET H-9280 (HFP-742-5-1-72)
Prepared by
NATIONAL OCEAN SURVEY
PHOTO PARTY 61
June 1972
RHODE RIVER, MARYLAND

1. Authority

Hydro support was performed in accordance with Project Instructions-AMC-SP-01-742-72, Rhode River, Maryland, dated 1 March, 1972.

2. Purpose

To provide photo-hydro support for visual control on Boat Sheet H-9280 (HFP-742-5-1-72). Boat sheet preparation was not done by this party.

3. Locality of Control

Rhode River and all tributaries originating from Rhode River, namely Cadle Creek, Whitemarsh Creek, Bear Neck Creek, Sellman Creek, and Muddy Creek.

4. Control

Hydrographic control consists of 83 photo-hydro signals located in the Rhode River area. These signals were located by approved photogrammetric methods which conform to the requirements of the Hydrographic Manual and Photogrammetry Instructions No. 45, Revision 1.

5. Recommendations

None.

6. Disposition of Data

A mylar T-sheet containing all signals was transmitted to HFP 742 for boat sheet preparation to be retained with boat sheet as original data.

7. Attached

A list of signals containing the positions of all signals is attached.

Respectfully Submitted,

Richard D. Olson
LT. NOAA
Chief, Photo Party 61

SIGNAL LIST

BOAT SHEET H-9280 HFP-742-5-1-72

SIGNAL NUMBER	LAT.	LONG.	
501	38° 52′ 1471.1″	76° 33′ 333.7″	
502	38 52 1396.3	76 33 325.8	
503	38 52 1297.9	76 33 293.4	
504	38 52 1184.7	76 33 210.5	
505	38 52 1114.3	76 33 198.9	
506	38 52 1115.3	76 32 1420.8	
507	38 52 1515.6	76 33 133.0	
508	38 52 1140.5	76 32 926.2	
510	38 52 964.4	76 32 1181.0	
511	38 52 1317.1	76 32 1106.7	
512	38 52 1401.4	76 32 977.3	
513	38 52 1540.8	76 32 1225.3	
514	38 52 1693.2	76 32 954.6	
516	38 52 1501.6	76 32 888.8	
518	38 52 1804.0	76 32 1308.1	
520	38 53 105.4	76 32 1180.4	
522	38 53 245.5	76 32 747.7	
524	38 52 1796.1	76 32 512.8	
526	38 52 1499.7	76 32 311.1	
528	38 52 1101.3	76 32 583.7	
530	38 52 1390.1	76 32 964.0	
534	38 52 1559.1	76 31 1155.7	
536	38 53 114.4	76 31 1218.7	
538	38 53 495.0	76 32 18.6	
540	38 53 513.8	76 32 439.0	
542	38 53 527.6	76 32 493.5	
544	38 53 683.5	76 32 636.0	
546	38 53 782.8	76 32 303.6	
548	38 53 1035.6	76 32 359.2	
550	38 53 1245.7	76 32 326.0	
552	38 53 1394.2	76 32 405.5	
554	38 53 1492.1	76 32 311.0	
556	38 53 1625.2	76 32 613.5	
558	38 54 79.8	76 32 489.2	
560	38 53 895.6	76 31 1305.1	
562	38 53 535.4	76 31 1101.5	
564	38 53 531.9	76 31 734.5	Daybeacon #1
566	38 53 722.3	76 31 688.6	Daybeacon #3
568	38 53 863.8	76 31 705.4	
570	38 53 1035.1	76 31 828.1	
572	38 53 1119.5	76 31 945.7	
574	38 53 1140.7	76 31 1255.9	
576	38 53 1347.4	76 31 1044.7	
578	38 53 1381.1	76 31 1159.3	

220

SIGNAL LIST
BOAT SHEET H-9280 HFP-742-5-1-72

SIGNAL NUMBER	LAT.		LONG.		
580	38°53′	1534.9 m	76°31′	1045.9 m	
582 *584	38 53	1711.7	76 31	1009.2	
586	38 54	66.0	76 31	1112.9	
588	38 54	38.9	76 31	1441.9	
590	38 54	211.0	76 31	1351.0	
592	38 53	~~1386.7~~ 1369.4	76 31	920.1	
593	38 53	1308.4	76 31	884.3	
594	38 53	1323.5	76 31	774.9	
596	38 53	1447.6	76 31	625.8	
598	38 53	1458.2	76 31	464.4	
600	38 53	1233.3	76 31	435.4	
601	38 53	1271.7	76 31	288.5	
602	38 53	1366.9	76 31	244.0	
604	38 53	1380.1	76 31	108.0	
606	38 53	475.0	76 31	636.4	
608	38 53	225.2	76 31	221.9	
610	38 52	1837.2	76 31	555.9	Light #7
612	38 52	1657.1	76 31	611.5	
614	38 52	1713.7	76 31	177.1	
616	38 53	323.6	76 30	1365.6	
618	38 53	318.0	76 30	1221.0	
620	38 53	153.2	76 30	1170.7	
622	38 52	1803.2	76 30	1103.6	
624	38 52	1632.1	76 30	1367.4	
626	38 52	1471.5	76 30	1154.4	
628	38 52	1486.1	76 30	1332.9	Daybeacon #1
630	38 52	1263.2	76 30	1433.6	
632	38 52	1192.4	76 31	180.8	Daybeacon #6
634	38 52	987.7	76 31	1019.4	
636	38 52	1059.0	76 30	1446.2	
638	38 52	942.5	76 31	129.4	Daybeacon #4
640	38 52	796.5	76 30	1227.7	
642	38 52	605.3	76 31	319.9	
644	38 52	448.9	76 30	1121.6	
646	38 52	378.2	76 31	19.5	Daybeacon #3
648	38 52	77.5	76 31	297.1	
650	38 52	29.4	76 30	1223.2	Light #2
652	38 52	377.3	76 30	889.8	Cupola
* 584	38 53	1755.6	76 31	1205.7	
103	38° 52′	1687.3 m	76° 31′	76.3 m	Cadle Creek Flag Pole, 1933

NOAA FORM 76-155
(11-72)

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

SURVEY NUMBER

H-9280

GEOGRAPHIC NAMES

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	
Bear Neck Creek ✓										1
Big Island ✓										2
Boathouse Creek ✓										3
Cadle Creek ✓										4
Camp Letts ✓										5
Carr Wharf ✓										6
Contees Wharf ✓										7
Corn Island ✓										8
Dutchman Point ✓										9
Flat Island ✓										10
Fox Creek ✓										11
High Island ✓										12
Locust Point ✓										13
Muddy Creek ✓										14
Murray Wharf ✓										15
Rhode River ✓										16
Sand Point ✓										17
Sellman Creek ✓										18
Sheephead Cove ✓										19
Steiners Wharf ✓										20
Whitemarsh Creek ✓										21
										22
										23
										24
										25

Approved by:
Chas E Harrington
Dec. 12, 1973

NOAA FORM 76-155 SUPERSEDES C&GS 197

U.S.G.P.O. 1972-769-[illegible]/2516 REG.#6

FORM C&GS-946
(REV. 11-65)
(PRESC. BY HYDROGRAPHIC MANUAL 20-2, 6-94, 7-13)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY
NAUTICAL CHART DIVISION

HYDROGRAPHIC SURVEY STATISTICS

HYDROGRAPHIC SURVEY NO. 9280
742-5-1-72

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

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET &PN	1	BOAT SHEETS mylar	1
DESCRIPTIVE REPORT	1	OVERLAYS	3

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES						
CAHIERS	1					
VOLUMES	5					
BOXES			1			

T-SHEET PRINTS (List) TP-00490 (shoreline)
TP-00490 (control)

SPECIAL REPORTS (List) Control Report (included in descriptive Report)

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				1339
POSITIONS CHECKED		150		
POSITIONS REVISED		110		
DEPTH SOUNDINGS REVISED		40		
DEPTH SOUNDINGS ERRONEOUSLY SPACED		35		
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED		1		
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		50	8	
JUNCTIONS		0		
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		60	10	
SPECIAL ADJUSTMENTS		0		
ALL OTHER WORK		248	14	
TOTALS		358	32	

	BEGINNING DATE	ENDING DATE
PRE-VERIFICATION BY		
VERIFICATION BY Charles Meekins R.G. Roberson	7-July-72	20-June-73
REVIEW BY George Myers	7 Dec 1973	12 Dec 1973

~~Inspection J.T. Gallahan 18 hrs George 8 hrs 29 June 1976.~~

ATLANTIC MARINE CENTER
APPROVAL SHEET
FOR
AUTOMATED SURVEY H-9280

A. All revisions and additions made on the smooth sheet during verification have been entered in the magnetic tape records for this survey. A new final position printout has/~~has not~~ been made. A new final sounding printout has/~~has not~~ been made.

Date: June 28, 1973

Signed: W.L. Jonns
W.L. Jonns
Acting
Title: Chief, Verification Branch

B. The verified smooth sheet has been inspected, is complete, and meets the requirements of the Hydrographic and AMC Manuals. Exceptions are listed in the verifier's report.

Date: June 28, 1973

Signed: Gregory R. Bass
Gregory R. Bass, LTJG, USNOAA
ACTING
Title: Chief, Processing Division

APPENDIX "A"

Corrections to Echo Soundings:

Table 1

Launch 1259
Fathometer DE-723 #1885

Depth(ft)	Corr.(ft)
0.0 to 50	0.0

Table 2

Launch 1259
Fathometer DE-723 #1885

Depth(ft)	Corr.(ft)
0.0 to 4.6	-0.6
4.7 to 12.0	-0.4
12.1 to 50.0	-0.2

Settlement & Squat:

The Settlement and Squat corrections for Launch 1259 were negligible.

APPENDIX "D"

LIST OF SIGNALS TO ACCOMPANY H-9280

742-5-1-72

All Hydro signals on this boatsheet were located on Shoreline Manuscript TP-00490 by Photo Party 61, and transferred to the boatsheet by HFP-742. A complete list of Signals is given in the Control Report to Accompany this Report.

APPENDIX "E"

APPROVAL SHEET TO ACCOMPANY H-9280

742-5-1-72

The field and office work for this survey was accomplished under LCDR Ned C. Austin.

The hydrography and descriptive report was done by LT Richard L. Baker.

The report and records for this survey are complete and adequate to the best of my knowledge.

Approved and Forwarded,

Ned C. Austin

LCDR Ned C. Austin
Chief of Party

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

TIDE NOTE FOR HYDROGRAPHIC SHEET

2/26/73

Processing Division: Atlantic Marine Center

Hourly heights are approved for

Tide Station Used (NOAA form 77-12): Contees Wharf

Period: April 21 - May 9, 1972

HYDROGRAPHIC SHEET: H-9280

OPR: SP-AMC-01-742-72

Locality: Rhodes River, Maryland

Plane of reference (mean ~~[illegible]~~ low water): 8.3 ft.

Height of Mean High Water above Plane of Reference is 0.9 ft.

Remarks: Zoning instructions.

1. Use the Cadle Creek tide data for all of Cadle Creek.
2. Use the White Marsh tide data for all of Bear Neck and White Marsh Creeks.
3. The tide data from Contees Wharf will be used without correction for the remainder of the survey.

T.G # 1

Robert A. Cummings
Chief, Tides Branch

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

TIDE NOTE FOR HYDROGRAPHIC SHEET 1/26/73

Processing Division: Atlantic Marine Center

Hourly heights are approved for Form 362 Hourly Heights

Tide Station Used (NOAA form 77-12): Cadle Creek, Md. lat. 38°53.1' long. 76°31.6'

Period: April 20 - May 5, 1972

HYDROGRAPHIC SHEET: H-9280

OPR: SP-01-742-72

Locality: Rhode River, Md.

Plane of reference (mean ~~lower~~ low water): 2.7 ft.

Height of Mean High Water above Plane of Reference is 0.9 ft.

Remarks:

Hourly Heights have been revised in Red and verified as follows:

DAYS	HOUR
126	1700

T. G. #2

Robert A. Cummings
Chief, Tides Branch

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

TIDE NOTE FOR HYDROGRAPHIC SHEET 1/26/73

Processing Division: Atlantic Marine Center

Hourly heights are approved for Form 362 Hourly Heights

Tide Station Used (NOAA form 77-12): White Marsh Creek, Md.

Period: April 19 - May 8, 1972 at sta. no. 593 lat. 38°53.7', long. 76°31.6'

HYDROGRAPHIC SHEET: H-9280

OPR: SP-01-742-72

Locality: Rhode River, Md.

Plane of reference (mean ~~lower~~ low water): 2.4 ft.

Height of Mean High Water above Plane of Reference is 0.9 ft.

Remarks:
Hourly Heights have been revised in Red and verified as follows:

DAY	HOUR
115	1500
119	1200

T. G. #3

Robert A. Cummings
Chief, Tides Branch

CAMS-9
3-25-71

ATLANTIC MARINE CENTER

TIDE NOTE

1. Project No: SP-AMC-01-742-72 2. Vessel/Field Unit: HEP 742
3. Year: 1972 4. Meridian Time Zone: GMT
5. Tide Station Name: CADLE CREEK
6. Position: Lat. 38 ° 53.1 N' Long. 76 ° 30.8 W'
7. Plane of Reference: [X] MLW, [ ] MLLW corresponds to ____ feet on the tide staff for the period 4/14/72 to 5/24/72.
8. Hourly Heights: [ ] Standard Gauge, furnished from Rockville.
   [X] Scaled and logged from field marigrams.
9. Tidal Zoning: [ ] Not applicable.
   [X] By two or more gauges automatically zoned.
   [ ] By applying tidal differences and constants

for the area(s): a. ____

TIME (Hour, Minute)		HEIGHT (Feet)		HEIGHT RATIO (If Applicable)	
High Water	Low Water	High Water	Low Water	High Water	Low Water

b. ____

TIME (Hour, Minute)		HEIGHT (Feet)		HEIGHT RATIO (If Applicable)	
High Water	Low Water	High Water	Low Water	High Water	Low Water

c. Include additional areas on separate sheet(s).

10. Remarks: Plane of Reference to be furnished by Rockville

CAM3-3
3-25-71

ATLANTIC MARINE CENTER

TIDE NOTE

1. Project No: SP&AMC-01-742 2. Vessel/Field Unit: HFP-742

3. Year: 1972 4. Meridian Time Zone: GMT

5. Tide Station Name: WHITEMARSH CREEK

6. Position: Lat. 38 ° 53.7 N ' Long. 76 ° 31.6W '

7. Plane of Reference: [X] MLW, [ ] MLLW corresponds to _____ feet on the tide staff for the period 4/14/72 to 5/24/72.

8. Hourly Heights: [ ] Standard Gauge, furnished from Rockville.

[X] Scaled and logged from field marigrams.

9. Tidal Zoning: [ ] Not applicable.

[X] By two or more gauges automatically zoned.

[ ] By applying tidal differences and constants

for the area(s): a. _____

TIME (Hour, Minute)		HEIGHT (Feet)		HEIGHT RATIO (If Applicable)	
High Water	Low Water	High Water	Low Water	High Water	Low Water

b. _____

TIME (Hour, Minute)		HEIGHT (Feet)		HEIGHT RATIO (If Applicable)	
High Water	Low Water	High Water	Low Water	High Water	Low Water

c. Include additional areas on separate sheet(s).

10. Remarks: Plane of Reference to be furnished by Rockville

Reg. No. H-9280

The Computer and Excess Sounding Cards for this survey have not been corrected to reflect the changes made to the Computer Card and Excess Card Printouts at this time of the review.

When the cards have been updated to reflect the final results of the survey the following shall be completed:

CARDS CORRECTED

DATE _____ TIME REQ'D _____ INITIALS _____

REMARKS:

H-9280

Items for Future Presurvey Reviews

Two wrecks discussed in section 7A of this review are not considered disproved and should be investigated by wire drag for final disposition.

This survey covers the area of Rhode River and its tributaries. Minor differences of less than 1 foot exist between the prior and present depths.

Position Index		Bottom Change Index	Use Index	Resurvey Cycle
Lat.	Long.			
385	0764	3	2	50 years

OFFICE OF MARINE SURVEYS AND MAPS

MARINE SURVEYS DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-9280 FIELD NO. 742-5-1-72

Maryland, Chesapeake Bay, Rhode River

SURVEYED: April 20 - May 8, 1972

SCALE: 1:5,000 PROJECT NO.: SP-AMC-01-742-72

SOUNDINGS: DE-723 Echo Sounder
Pole

CONTROL: Visual Fixes on
Shore Signals

Chief of Party ..... N. C. Austin
Surveyed by ..... R. L. Baker
Automated Plot by ..... Cal Comp Plotter (AMC)
Verified by ..... R. G. Roberson and
..... C. Meekins (AMC)
Reviewed by ..... G. K. Myers
Date: December 12, 1973
Inspected by ..... J. T. Gallahan

1. Description of the Area

This survey covers the area of Rhode River and its tributaries. The shoreline is quite irregular with numerous boat facilities alongshore.

The bottom is generally smooth with isolated spits and shoals extending outward from the high water line. There is evidence on the graphic records of silting in several random areas. Deepest depth in the area is 13 feet at the entrance to the river.

The predominant bottom characteristic of the area is mud. Grass is found in some areas alongshore.

2. Control and Shoreline

The source of control is adequately described in the Descriptive Report.

The shoreline originates with final reviewed photogrammetric manuscript T-00490 (1971-1972).

3. Hydrography

A. Depths at crossings are in good agreement.

B. The standard depth curves were adequately delineated, except in areas of pier concentrations where the hydrographer neglected to survey closer inshore. The 3-foot depth curve was added by the verifier to emphasize the shallow slope offshore.

C. The investigation of least depths and development of bottom configuration is adequate.

4. Condition of the Survey

The sounding records, smooth plotting, Descriptive Report, and printouts are adequate and conform to the requirements of the Hydrographic Manual and the Instruction Manual - Automated Hydrographic Surveys, except that no documentation of the wreck investigations of Presurvey Review Items 1 and 2 could be found in the records.

5. Junctions

No contemporary surveys join the present survey, but the present survey depths are in harmony with those charted in the area.

6. Comparison with Prior Surveys

H-5432 (1933) 1:10,000

This survey comprises the prior coverage of the area for comparison with the present survey. A detailed comparison reveals that the area of the survey has a relatively stable bottom with variable differences of less than a foot between prior and present depths.

The present survey is adequate to supersede the prior survey in the common area.

7. Comparison with Chart 550 (latest print date January 6, 1973)

A. Hydrography

Most of the charted hydrography originates with the previously discussed survey which requires no further consideration.

Attention is directed to the Descriptive Report, pages 2 and 3, regarding the disposition of Presurvey Review items. The two wrecks charted in latitude 38°52.25', longitude 76°31.07' and latitude 38°52.36', longitude 76°30.86' from Chart Letters 1127 of 1965 and 883 of 1950 respectively are not considered disproved and should be retained on the chart pending future wire drag.

Except as noted above, the present survey is considered adequate to supersede the charted information within the common area.

B. Aids to Navigation

The charted aids to navigation adequately mark the features intended.

8. Compliance with Project Instructions

This survey adequately complies with the Project Instructions.

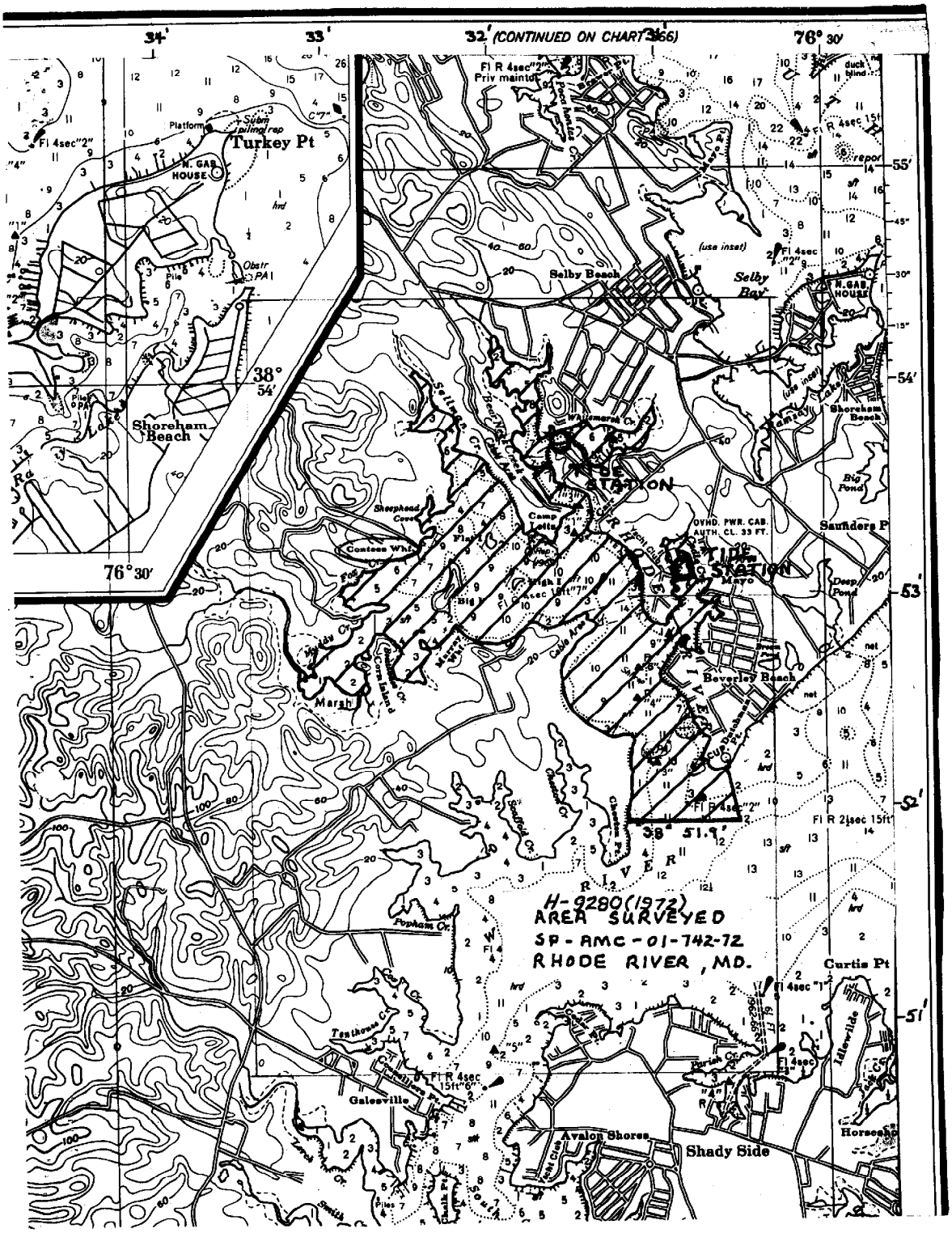
9. Additional Field Work

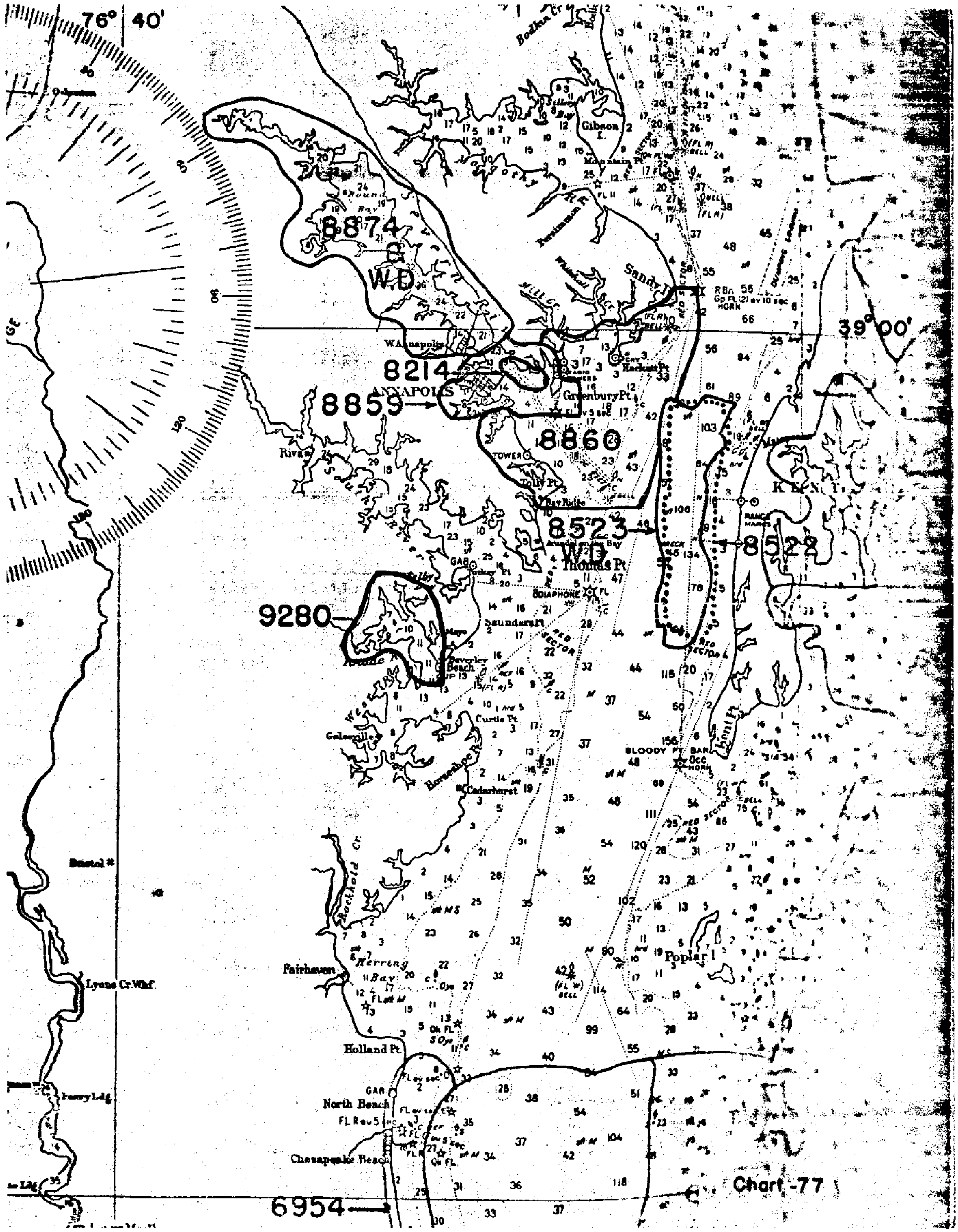
This survey is considered a good basic survey and no additional hydrography is recommended.

Examined and Approved:

Chief
Marine Surveys Division

Associate Director
Office of Marine Surveys
and Maps


34'
33'
32' (CONTINUED ON CHART 366)
76° 30'
Turkey Pt
N. GAB HOUSE
Platform
Fl 4sec"2"
Obstr PA
Shoreham Beach
38° 54'
76° 30'
Fl R 4sec"2"
Priv maintd
duck blind
Fl R 4sec 15ft
55'
(use inset)
Selby Beach
Selby Bay
Fl 4sec "2"
N. GAB HOUSE
30"
15"
54'
Shoreham Beach
Big Pond
Saunders P
Sheppard Cove
Camp Letts
Fl R 4sec 15ft"7"
OVHD. PWR. CAB. AUTH. CL. 33 FT.
Deep Pond
53'
Mayo
Beverley Beach
Marsh
Corn Island
Cable Area
Fl R 4sec"2"
Fl R 2½sec 15ft
52'
38° 51.9'
RIVER
H-9280(1972)
AREA SURVEYED
SP-AMC-01-742-72
RHODE RIVER, MD.
Popham Cr
Curtis Pt
Fl 4sec "1"
51'
Galesville
Fl R 4sec 15ft"6"
Avalon Shores
Shady Side
Idlewilde
Horseshoe



76° 40'
39° 00'
8874
W.D.
8214
ANNAPOLIS
8859
8860
8523
W.D.
8522
9280
6954
Gibson I.
Mountain Pt
Sandy Pt
Greenbury Pt
Hackett Pt
Tolly Pt
Thomas Pt
Saunders Pt
Beverley Beach
Galesville
Cedarhurst
Fairhaven
Herring Bay
Holland Pt.
North Beach
Chesapeake Beach
Bloody Pt. Bar
Poplar I
Lyons Cr. Whf.
Bristol
Rockhold Cr.
Chart -77

FORM C&GS-8352
(3-28-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-9280

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
550	8/16/73	B Fagundes	[redacted] Part [redacted] After Verification Review Inspection Signed Via
1225	10/24/73	D. Hopkins	Drawing No. Before
			[redacted] Part [redacted] After Verification Review Inspection Signed Via
			Drawing No. BEFORE
550	1-25-79	DC. Hopkins	Full ~~Part Before~~ After Verification ~~Review~~ Inspection Signed Via
			Drawing No. ## 45
1225	2-1-79	Dick Keller	Full ~~Part Before~~ After Verification Review Inspection Signed Via
12263			Drawing No. # 60
			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.