11603 F 11682

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U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

| Type of Survey | , SHORELINE |
|------------------|---|
| | Office No. T-11682 |
| CLASS | |
| | LOCALITY |
| State | VIRGINIA |
| General locality | ACCOMACK COUNTY |
| Locality | MAJOR HOLE BAY |
| | 195961 |
| V. Ralph Sobi | CHIEF OF PARTY ins, Field Party 726 eralski, Tampa District Office lmos, Director, AMC |
| | BRARY & ARCHIVES |
| DATE |) JUL 1975 |
| | |

USCOMM-DC 508?

DESCRIPTIVE REPORT - DATA RECORD T = 11682

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|--|----------------------------|--------------------|-------------------|-----------------|
| PROJECT NO. (II): | | | | |
| Ph-5907 (21021) | | | | |
| FIELD OFFICE (II): | | CHIEF OF PARTY | | |
| Accomac, Virginia | | Elgan T. Je | nkins | |
| PHOTOGRAMMETRIC OFFICE (III): | | OFFICER-IN-CHAP | RGE | - |
| Tampa, Florida | | V. Ralph So | bieralski | |
| INSTRUCTIONS DATED (II) (III): | | | | |
| Field: October 2 Field Amendment 1 - April 26, Office: December Office Amendment 1 - August 10 Office Amendment 2 - September | 1960 28, 1960 , 1961 | | | |
| METHOD OF COMPILATION (III): | | | | |
| Graphic | | | | |
| MANUSCRIPT SCALE (III): | STEREOSCO | PIC PLOTTING INS | TRUMENT SCA | LE (III): |
| 1:10,00 | | icable | | |
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| DATE RECEIVED IN WASHINGTON OFFICE (IV): | DATE REPO | RTED TO NAUTICA | L CHART BRA | NCH (IV): |
| OCT 9 1953 | | | | |
| APPLIED TO CHART NO. | DATE: | | DATE REGIS | TERED (IV): |
| GEOGRAPHIC DATUM (III): | | VERTICAL DATU | м (пт): МН | |
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| | | Elevations shown | | |
| | | i.e., mean low wet | ar or mean lowe | TOW WOLDE |
| REFERENCE STATION (III): | | | | |
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| ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENT OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE | | | | , |

DESCRIPTIVE REPORT - DATA RECORD

DATE: FIELD INSPECTION BY (II): Feb. 1961 Elgan T. Jenkins MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photography: Oct. 13, 1959 PROJECTION AND GRIDS RULED BY (IV): DATE Jan. 1962 A. R. (Washington Office) PROJECTION AND GRIDS CHECKED BY (IV): DATE Mar. 1962 A. R. (Washington Office) CONTROL PLOTTED BY (III): DATE Mar. 1962 R. R. Wagner CONTROL CHECKED BY (III): DATE Mar. 1962 V. P. Cackowski RADIAL PLOT OR STEREOSCORIC-GONTROL-EXTENSION BY (III): DATE June 1962 R. R. Wagner STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY DATE Inapplicable CONTOURS DATE MANUSCRIPT DELINEATED BY (III): V. P. Cackowski DATE July 1962 * Reviewed by: I. I. Saperstein July 1962 SCRIBING BY (III): DATE Dec. 1962 V. P. Cackowski Reviewed by: R. R. Wagner Dec. 1962 PHOTOGRAMMETRIC OFFICE REVIEW BY (III): DATE Apr. 1963 R. R. Wagner REMARKS:

DESCRIPTIVE REPORT - DATA RECORD

| | PHO ⁻ | TOGRAPHS (III) | | | | |
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| | Predicted | | | | | |
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| UBORDINATE STATION: Th | ne Swash, south en | nd | | HW=-0.7 LW= 0.0 | 3.9 | 4.7 |
| UBORDINATE STATION: | | | | | | |
| Atlantic Marine Cent | er Y (IV): | C. H. Bishop | | DATE: Nov | . 1973 | |
| ROOF EDIT BY (IV): | | | | DATE: | | |
| UMBER OF TRIANGULATION \$1 | ATIONS SEARCHED FOR | (ii): 3 | RECOVERED: | IDENTIFIE | 2 | |
| UMBER OF BM(5) SEARCHED F | OR (II): | 0 | RECOVERED: | IDENTIFIE | 0 | |
| UMBER OF RECOVERABLE PHO | OTO STATIONS ESTABLISH | (III): 3 | | | | |
| UMBER OF TEMPORARY PHOTO | HYDRO STATIONS ESTAI | BLISHED (III): Non | 16 | | | |
| | | | | | | |

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COMPILATION RECORD

COMPLETION DATE

REMARKS

| Manuscript complete pending field edit | July 1962 | Superseded |
|--|-----------|------------|
| Final Review | Nov. 1973 | |
| | | |
| | | |
| | | |
| | | , |

PH- 5907

Planimetric Mapping Scale 1:10,000

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-11682

This 1:10,000 scale shoreline manuscript is one of 43 maps that comprise Project PH-5907, Cape Charles to Assateague, Virginia. The project diagram on page 5 indicates the location of this map in the project.

Field inspection prior to compilation was done in February 1961.

Compilation was from 9-lens photographs taken on October 13, 1959. Control was based on a radial plot, using the 9-lens photographs. The Photogrammetric Plot Report was not available at the time of final review and is not bound with this Descriptive Report.

Field edit of this map was not accomplished.

Final review was done at the Atlantic Marine Center in November, 1973.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.

FIELD INSPECTION REPORT FOR MAPS 11682 THROUGH 11688 PROJECT 5907, VIRGINIA

2. AREAL FIELD INSPECTION-

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The area covered by the seven maps, with the exception of map 11685, is composed mostly of mud flats that are bare or nearly so at mean low water. This mud area is very soft and will not afford footing for any type of travel at low water. Some of these mud areas have insufficient water, even at high tide, to support skiffs drawing more than two feet of water.

At high water these areas are large shallow areas of water that can become very choppy with strong winds. There are scattered shell piles throughout the areas that makes small boat travel very hazardous to anyone crossing these areas at high water.

The outer shore of Hog and Parramore Islands is sand that held its position well during hurricane Donna of September, 1960. Numerous measurements were made from fixed objects to the present shoreline to determine the shoreline delineation on the photographs.

The quality of the photography is good. Most single pile structures can be identified on the nine lens photographs. It is believed that enough photographic tones have been labeled to clarify all tones for the compilers.

3. HORIZONTAL CONTROL-

All stations, indicated on the Project Diagram, have been searched for. Those that were desired to be identified were all recovered and identified except CHIMNEY, NORTHEAST GABLE OF SHACK, 1934. This station is destroyed and was replaced with topographic station CUTE, 1961. CUTE, 1961 will furnish control if desired as a fix was observed from it as well as it was referenced to a photograph point.

The following stations are lost or destroyed and reported on Form 526: DRAW, 1933 Great Machipongo River Bl. Beacon No. 3, 1934 Great Machipongo River Red Beacon No. 2, 1934 Great Machipongo River Channel Lt., 1933 CUNJER CHANNEL LIGHT, 1937 SLOOP, 1910 Little Machipongo Inlet, North Inlet Light, 1933 PONGO, 1934 SOUTHWEST GABLE OF OLD TWO STORY HOUSE, 1934 Revels Island, West Gable Chimney, 1934 LITTLE MACHIPONGO INLET, COAST GUARD TOWER, 1937 CHIMNEY, NORTHEAST GABLE OF SHACK, 1934

VERTICAL CONTROL-Tidal bench mark 1, map 11686 was recovered and identified.

The following bench marks are lost;

Tidal bench marks 1, 2 and 3 all of 1947, Revel Creek, Little Machipongo Inlet, Lat. 37-29.8 and Long. 75-41.0 Tidal bench mark 3, 1914, Little Beach Cove, Little Powder Tub Creek, Parramore Island, Lat. 37-31.9 and Long. 75-39.8

5. CONTOURS AND DRAINAGE-

Drainage consists of small streams and ditches. Those that were considered of sufficient size have been delineated. There are some few flat areas that will occasionally flood but there is no real swamp of importance.

6. WOODLAND COVER-

The tree areas are mostly pine with some few areas interspersed with hardwoods.

7. SHORELINE AND ALONGSHORE FEATURES.
The shoreline is mostly apparent. Very often there is a fringe of Sea Oars or Sea Oats sometimes fifty or more feet in width at the offshore edge of the marsh. This type of grass may reach a height of three to four feet during the summer and fall months and then be killed out during the winter season.

This can cause the apparent shoreline to change with the seasons. However as the grass is growing in these areas most of the year, the apparent shoreline was delineated along the outer edges of it.

There is a submerged telephone cable between the islands of Parramore and Hog. The approximate underwater position of this cable has been delineated on the photographs. This position could be several hundred feet in error as the position was determined by verbal information from the Hog Island Coast Guard Personnel.

8. OFFSHORE FEATURES-

There are no offshore features of any size. There are thousands of small stakes scattered over the mud flats that mark either some small channel or beds of oysters.

9. LANDMARKS AND AIDS-

Landmarks and aids are reported on Form 567. The black and white prints of the color photography were field inspected to verify or correct the office identification of the aids to navigation. Fixed aids not identified on the photographs have been located using ground survey methods.

10. BOUNDARIES. MONUMENTS AND LINES-

The corporate limits of Nassawadox, Virginia have been delineated on single lens ratio print 59W 9297 as far as possible to do so. Some of the southern boundary will need to be projected from an enclosed plat.

An enclosed map of Accomac County will show the mapped position of the line between Accomac and Northampton Counties. Information from the County Court Clerks of these two counties failed to reveal any information concerning a legal description. The division line was established in 1663 and any legal action concerning it has probably been lost in the files of three hundred years. The county court clerks advise that the best place to obtain such information is with the Virginia Department of Highways.

A branch office of this department was visited at Accomac, Virginia. Information obtained from this branch office indicates that their maps are compiled from old federal maps and records. It appears as no one is positive as to just where this line is. The Virginia Highway Department position their highway county line markers by a scaled distance from a map,of the enclosed type. There is a possibility that there is a descripof this line somewhere in the files of the Northhampton Court House, but no more investigations will be made unless instructed to do so.

11. OTHER CONTROL-

. . . .

Three previously marked topographic stations were searched for but not found. This information is reported on Forms 524.

The following is a list of new topographic stations established.

| BOSS | HAN G | GABE |
|--------|-------|------|
| BOOM | GONE | GOUT |
| BUNT | MORE | WIND |
| DUNE | GRAY | HELP |
| HAND | CUTE | HURT |
| CUPOLA | RUIN | SHED |

12. OTHER INTERIOR FEATURES-

All roads and buildings have been inspected and classified according to current instructions.

There are no bridges or cable clearences required.

13. GEOGRAPHIC NAMES.

No systematic investigation was made and no errors found in the geographic names.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA-The following map and plat is enclosed;

Accomac County Map

Nassawadox Corporate Limits.

No changes are recommended for the Coast Pilot.

It is not believed that notes to the compiler would be of any aid in the compilation.

The field photographs and all other data for the compilation of these maps are being transmitted by transmittal letter 62-1J dated 28th July, 1961

> Respectfully submitted, July 28, 1961

Elgan J. Jenken Elgan T. Jenkins Chief of Party 726

| STATION SOURCE OF ALTON CONTINUE OF ALCORDINATE CONTINUE OF AL | | | | | | | | |
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COMPILATION REPORT T-11682

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11680.

31. DELINEATION

The graphic method was used.

Nine-lens 1959 photographs were used. The scale varied from good to fair. Color photography was used to identify aids to navigation in Upshur Bay.

Field inspection was generally adequate.

32. CONTROL

See photogrammetric plot report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

All jetties, piers etc. indicated by field inspection have been delineated accordingly. Low water and shoal lines were generally delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

All details have been delineated as inspected.

37. LANDMARKS AND AIDS

No landmarks were recommended.

All aids have been reported on form 567 and submitted under the date of July 6, 1962.

38. CONTROL FOR FUTURE SURVEYS

Two forms 524 are being submitted with the manuscript data.

See item 49 for listing.

39. JUNCTIONS

A satisfactory junction has been secured with T-11683 on the east, T-11679 on the north, T-12130 on the west and T-11687 on the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement required.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U. S. Geological Survey Quadrangle WACHAPREAGUE, VA., scale 1:24,000, published in 1958 from photographs taken in 1949 with topography done in 1957. Both maps compare favorably with no major changes noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 1221, scale 1:80,000, 9th Edition, revised to March 12, 1962. Comparison is favorable with no major changes noted.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

V. P. Cackowski Cartographer (Photo)

akowski

APPROVED AND FORWARDED -4 OCT 1963

Ralph Sobieralski Tampa District Officer

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11682

Barge Point
Bordenstake Bay
Chalk Pipe Gut
Cockle Creek
Ebb Tide Creek
Great Gap Channel
Little Gap Channel
Little Sloop Channel
Machipongo River
Major Hole Bay
Middle Gap Channel
Quinby

Revel Island Bay
Sandy Island
Sandy Island Channel
Shell Narrows
Sloop Channel
Upshur Bay
Upshur Creek
Upshur Neck
Waterhole Creek
White Perch Cove
White Trout Creek
Wire Creek

Approved:

A. Joseph Wraight

Chief Geographer

Prepared by:

Frank W. Pickett

Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

The following topographic stations may be of use to the hydrographer:

BOSS, 1961

HANG, 1961

GABE, 1961 (S W Gable 2 1/2 story house)

| FORM 182 (9-61) | | P | ното | GRAMMETRIC OF | FICE REVIEW | Ū | S. DEPARTMENT. COAST AND GEO | OF COMMERCE |
|------------------------------|------------------|--------------------------------------|--------------|-------------------------------------|---------------------------------------|-------------------------------|-------------------------------------|------------------------------------|
| 50 |) . | | | | 1682 | | | |
| I. PROJECTION | N AND 2 | L TITLE | | | | | 3. MANUSCRIPT NUMBERS | 4. MANUSCRIPT |
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| CONTROL | | NTAL CONTROL: HER ACCURACY | OITATS | NS OF THIRD-ORDER | | | TAL STATIONS (Y (TOPOGRAPHIC | |
| STATIONS | 7. PHOTO | HYDRO STATIONS | 8. BE | NCH MARKS | 9. PLOTTING O | FSEXTANT | 10. PHOTOGR | AMMETRIC |
| } | XX | | XX | | XX | | MMS | |
| | 11. DETAIL | POINTS | | | | | | |
| | IIS | | | | | | | |
| ALONGSHORE | 12. SHOREL | LINE | 13. LO | W-WATER LINE | 14. ROCKS, SHO | ALS, ETC. | 15. BRIDGES | · |
| AREAS | RRW | | RR | W | RRW | | XX | |
| (Nautical Chart | 16. AIDS TO | NAVIGATION | | 17. LANDMARKS | | 18. OTH | R ALONGSHORE TURES | PHYSICAL |
| Data) | RRW | | | XX | , | | RRW | |
| | 19. OTHER | ALONGSHORE CL | JLTURA | L FEATURES | | | | |
| | RRW | | | .,,,,,,,, | _ | | | |
| | 20. WATER | FEATURES | | | 21. NATURAL G | ROUND COV | ER | |
| PHYSICAL | RRW | | | | RRW | | | |
| FEATURES | 22 PLANE | TABLE CONTOUR | \$ | | 23. STEREOSCO | PIC INSTRUI | MENT CONTOUR | S |
| | XX | 400 | | | XX | | | |
| | 24. CONTO | URŞ IN GENERAL | | | 25. SPOT ELEVA | ATIONS | | |
| | XX | a | | | XX | | | |
| | | PHYSICAL FEAT | JRES | | | | | |
| | RRW | | | 28. BUILDINGS | | 29. RAIL | BOADS | |
| CULTURAL | 27. ROADS | | | , | | 27. RAIL | | |
| FEATURES | RRW | CULTURAL FEAT | FUDES | RRW | | <u> </u> | XX | |
| | RRW | COL TOTAL TEX | , onco | | | | | |
| | 31. BOUNDA | ARY LINES | | | 32. PUBLIC LAN | ID LINES | · <u> </u> | |
| BOUNDARIES | XX | | | | XX | | | |
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| 40. FIELD COM pletion sur | vey have bee | DDITAONS AND CO en applied to the | manus: | ons to the manuscript. The manuscri | CRIPT-Additions a ipt is now complete | and correction e except as | rs turnished by noted in remarks | the field com- on reverse side. |
| SIGNATURE OF | COMPILER | | | | SIGNATURE OF | SUPERVISOF | | |

C&GS FORM 567

U.S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

[cal Chart Branch

NONFLOATING AIDS OF ALAMBAYAMES FOR CHARTS STRIKE OUT TWO 10,85 RENISED TO BE CHARTED

Tampa District Office

19 (2 July 6

I recommend that the following objects which have (herothol) been inspected from seaward to determine their value as landmarks be charted on (delited) the charts indicated.

The positions given have been checked after listing by

V. P. Cackowski

| | | | _ | | | | 1 | | Trail (Contract of the | 3 | Course by Carry |
|----------|----------------------------------|---------------|----------|--------------|----------|--------------|-------|-----------------|------------------------|--|-----------------|
| STATE | VISCILLA | , | | | POSITION | | | METHOD CONT. | | | тиан |
| | | | <u>`</u> | LATITUDE # | Ĺ | LONGITUDE | | LOCATION | DATE | | |
| CHARTING | DESCRIPTION | BIGNAL | • | D. M. METERS | • | D. P. MEYENS | DATUM | BURVEY No. | ř | O B B A M I O M 2 M I | AFFECTED |
| | TITTE MACHIPONGO IN BI | | | | | | | Photo | | | |
| THELL | Cuinby Creek Junction | | 37 30 | -25,37 | 75 1,2 | 11,705 | N.A. | P10t T-11682 | 7 Feb.1961 | F | 1221 - 07 |
| T THOP | Quinby Creek | | ાર સ | 271 | 75 4.3 | 05.29 | | = | E | ; > : | |
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landmarks and nonffosting aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be ___ This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 18234-P81

NONFLOATING AIDS CALTERINALINALINAL FOR CHARTS

Tampa District Office

1962

STRIKE OUT TWO TO BE CHARTED TO BE PENISTED TO BE PENISTED TO BE PELETED

Ical Chart Branch

FORM 567

CAGS F

I recommend that the following objects which have (http://dd.) been inspected from seaward to determine their value as landmarks be charted on (http://ddh.) the charts indicated.

H-13. Cary 会 TE 157.# 50 Car <u> 1221 - ستكر</u> 1 - 3 - 5 - 5 CHARTS Chief of Party. £. INSHORE CHART PERSON CHEST, "Feb. 196 LOCATION DATE 553 E = LOCATION AND BURVEY No. -11682 Photo Plot F E E by Daybeacon 1BA. DATOM N.A. 1927 = = = E 1001 D. P. METERS 33.6<u>4</u> 826 1101 27.21, 36,65 000 **LONGITUDE** Daybeacon 13B is now in approximate location for harly odcupied 그 얼 POSITION Ξ . 75 75 129 15.83 28.93 892 D. M. METERS 0^{l_1} 75. LATITUDE õ 8 띴 7 문 37 떩 37 • The positions given have been checked after listing by BIGNAL 62170 indicates charted position is ဒ္ Little Machipongo Channel Great Machipongo Channel VIRGINIA INSIDE PASSAGE Wachapreague to Little DESCRIPTION Machinongo Channel = = = = Ŧ VIRGINIA 95 CHARTING NAXVE EAYEN T YEN DAYBN STATE DAYBN S

USCOMMEDC 18214-PB1 The data should be This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given. # TABULATE SECONDS AND METERS

edit.

Daybeacon 134 is to the northeast; position to be furnished after field

* From field inspection, no date available.

18

1 CG 10/1/62 ريده ماري

REVIEW REPORT T-11682

SHORELINE

November 7, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, showing differences noted in Par. 62 and 63, is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8440, 1:20,000 scale, dated 1942. Significant differences were shown in blue on the comparison print.

T-11682 supersedes previous topographic surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with USGS Quadrangle WACHAPREAGUE, VA, scale 1:24,000, dated 1958. Significant differences were shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 1221, scale 1:80,000, 16th edition, dated Sept. 11, 1971. No significant shoreline differences were noted. Fixed aids to navigation are mapped on T-11682 as they existed in 1961.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The Photogrammetric Plot Report, which usually states the accuracy of control used for compilation, was not available for final review and no accuracy statement was made in the Compilation Report. No accuracy test was run in the field. However, there is no reason to believe that accuracy is substandard.

Reviewed by:

Charles H. Bushop

Charles H. Bishop Cartographer

Approved for forwarding:

Jeffrey (Carlen, CDR, NOAA Chief, Coastal Mapping Division, AMC

Approved:

red C. Holmes, RADM, NOAA

Director, Atlantic Marine Center

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division











