10480

Diag. Cht. No. 1210-2.

FORM C&G\$-504

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

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-163 Office No. T-10480

LOCALITY

State Rhode Island

General locality Narragansett Bay

Locality Apponaug

CHIEF OF PARTY

I.R.Rubottom, Chief of Party

W.E.Randall, Balto. District Officer

LIBRARY & ARCHIVES

DATE February 11, 1968

USCOMM-DC 37022-P66



DESCRIPTIVE REPORT - DATA RECORD

- 2 -

T = 10480

Ph-163

Project No. (II): **7777**

Quadrangle Name (IV):

Field Office (II): East Providence, R. I.

Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: William E. Randall

Instructions dated (II) (III):

9 April 1956 (II) 13 March 1957

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III):

Kelsh plotter

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:6,000 (Pantograph ratio 3/5)

Scale Factor (III):

1.000

Date received in Washington Office (IV): 5692 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

MERIX SOCIONECCIONESTASSICIÓNSOS

Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water

Reference Station (III): CHIP, 1913

Lat.:41° 40' 24.061" (742.3 m)

Long.: 71° 26° 31.877" (737.4 m)

Adjusted Umarticatest

Plane Coordinates (IV):

State:

Zone:

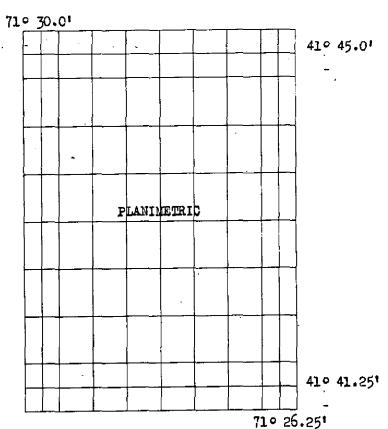
Y=

X=

Roman numerals indicate whether the item is to be entered by (ii) Field Party, (III) Photogrammetric Office, or (iV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

COMM-DC-57842



· Areas contoured by various personnel (Show name within area)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Mathew A. Stewart Leo F. Beugnet

Date: May - October 1956

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): 1 May 1956, Photogrammetric

Projection and Grids ruled by (IV):

J. B. Phillips

Date: 8/5/57

Projection and Grids checked by (IV): J. B. Phillips

Date: 8/5/57

Control plotted by (III):

J. C. Cregan

Date:

8/27/57

Control checked by (III):

B. Kurs

Date: 9/2/57

Restinicities Stereoscopic

E. L. Rolle & D. M. Brant

Date: 9/30/57

Control extension by (III):

Planimetry J. C. Richter

8/15/58

Stereoscopic Instrument compilation (III):

KKKKKK

Date:

Date:

Manuscript delineated by (III): R. E. Lindauer

(scribed)

Date: 2/11/60

Photogrammetric Office Review by (III): E. L. Rolle

Date: 1/20/60

Elevations on Manuscript checked by (il) (III):

Date:

FIELD EPIT

LIMITED FIELD EDIT BY HYDROGRAPHIC DATE: 1956 SURVEY PARTY H- 8313

NOTE: NO DISCREPANCY PRINT SUBMITTED COMM- DC- 57842 Number

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS Type "W" 6" focal length

Date

PHOTOGRAPHS (III) Time Scale Stage of Tide

56-W-136 thru 138 0815 1:30,000 No tide 56-W-164 thru 166 0832 1.8' above MLW

> Tide (III) (from predicted tables)

Reference Station: Subordinate Station: Newport, R. I.

East Greenwich, R. I.

Subordinate Station:

Washington Office Review by (IV): S.G. BLANKEN BAKER

Date: Nov. 1966

3

Range

4.4

Ratio of | Mean | Spring Range

Final Drafting by (IV):

Date:

Ranges

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Identified:

Identified:

14 sq. mi. Land Area (Sq. Statute Miles) (III):

2 miles Shoreline (More than 200 meters to opposite shore) (III): Shoreline (Less than 200 meters to opposite shore) (III): 0.5 mile

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

4

Number of BMs searched for (II): Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Recovered:

None None

Remarks:

Narragansett Bay, Mass.- Rhode Island

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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORTS T-10489, T-10487, T-10488 and T-10489 Job PH-163

Job PH-163, comprised of thirty planimetric surveys, covers Narragansett, Rhode Island-Massachusetts.

A complete field inspection preceded compilation. Limited field edit was accomplished in conjunction with contemporary hydrographic surveys H-8313 and 8395. The project was bridged by multiplex and compiled by Kelsh plotter.

Difficulties were encountered in smooth plotting H-8395. Refer to the addendum to this Summary.

Cronaflex copies of the maps will be registered.

ADDENDUM TO SUMMARIES TO ACCOMPANY JOB PH-163 MAPS T-10472 through T-10501 (ACCURACY AND FUTURE SURVEYS)

Most of the project maps were used in contemporary hydrographic survey operations. Four hydrographic surveys accomplished in the period of time between 1943 and 1955 cover the project area outside the areas of contemporary surveys.

The contemporary hydrographic surveys have been registered. With one exception they are classified "basic". Survey H-8367 is classified as "basic for charting only".

Considerable difficulty was experienced during smooth plotting and verification of some hydrographic surveys in using signals located by plane table methods. Many of the objects were identified on field photographs by the plane table party. Field identification of these objects was re-examined in the Baltimore Office, Compilation Unit. Some of the objects were relocated photogrammetrically and this revised information was furnished for use in smooth plotting.

The Norfolk Processing Office Addendum to Accompany Survey H-8316 mentions difficulties experienced when plotting sextant angles locating piles, piers, shoreline changes, etc. -they were seldom in agreement with photogrammetric manuscript positions. The Washington office verifier was unable to adjust the subject information using the available hydrographic To assist in resolving the discrepancies, the Photogrammetry Division (Washington Office Review Group) rechecked signal locations on Maps T-10472, T-10473, T-10475 and T-10476. Fifty-seven signal locations and random portions of shoreline were revised by graphic methods using available field photographs that included field identified primary control and signals. This additional work is subject to error due to the condition of the photographs and the more limited use of project control; many discrepancies between the surveys, however, were resolved by using the revised information. No requests for similar rechecks were made by verifiers of other hydrographic surveys.

In part, the problems encountered in survey H-8316 (and H-8394) during hydrography and by verifiers can be attributed to the enlargement of these photogrammetric maps from 1:10,000 to 1:5,000 scale for use in hydro support. Similar problems on

Control for project bridging (multiplex) was classified "over abundant" (150 stations). While 25% of the stations were "difficult to see", only two stations were not held. Pass points between strips were averaged-adjustment less than 0.5 mm.

In addition to the previously mentioned supplemental work (relocation of signals and shoreline), two stereoplanigraph models were set to test horizontal map accuracy. The models covered parts of maps T-10472 and T-10473. A datum difference was found to exist between Bureau control and MGS and USGS control. Adjustment of these difference produced no appreciabl shift in map details.

Rock information mapped on some of the photogrammetric surveys was incomplete as the result of poor photography inadequately supplemented by field inspection. The hydrographer located many rocks missed on the photogrammetric survey; and, in addition, the hydrographic survey reviewers found it necessary to bring forward considerable rock information without the benefit of verification by either the photogrammetric surveys or the contemporary hydrographic surveys.

These surveys have been used, in part, for nautical charting through both direct application of details and indirectly through contemporary hydrographic surveys. As previously mentioned, all but one of the contemporary hydrographic surveys have been registered as "basic surveys". Registration of these maps is recommended. Future use of the maps for hydro support purposes is not recommended due to the previously discussed problems that were encountered. Rebridging by analytic aerotriangulation and new mapping with new color and infrared photography is recommended.

S. G. Blankenbaker

NOTE: POLITICAL BOUNDARIES - with the exception of the Mass - Rhode Island state Line, none of the numerous mapped political boundaries are shown on modern charts. In Consideration of the loss of some field photographs, and requests by photogrammetric office reviewers for field verification of boundaries, it is recommended that the project maps not be considered sources for political boundaries (with the exception of the state line). See

FIELD INSPECTION REPORT PROJECT 25120

Maps T-10480 through T-10483 and T-10487 through T-10490

2. AREAL FIELD INSPECTION

This area is that covering part of the upper reaches of Narragansett Bay and includes Greenwich Bay, Bristol Harbor, Warren River and the entrance to Mount Hope Bay.

The area is densely populated, particularly along the shore, and is predominantly industrial. Small fishing industries are found in the towns of East Greenwich and Bristol. Warren River is used chiefly by pleasure craft.

The area is adequately served by a system of railroads, highways, air transport and by water. Transportation to Prudence Island can be obtained by regularly scheduled ferry from the town of Bristol.

The northern portion of Prudence Island is unsettled; the southern portion is occupied by the U. S. Navy and by summer residents with a very few year round residents. Hog Island is used as a summer resort by residents of the nearby towns. Patience Island is privately owned, is not easily accessible and has not become popular for summer use as yet. Consequently, it is relatively uninhabited.

Single lens photographs taken in May 1956 were adequate. Ratio prints at 1:10000 scale were used for all field inspection operations. No serious photograph interpretation difficulties were encountered. Due to over-lapping of different phases of field work it was not always practical to use the center of each photograph to the best advantage.

Field inspection is believed to be complete and adequate. No items were deliberately left for completion during field edit.

Field inspection was accomplished on the following field photographs:

T-10480 56-W-135 thru -138 56-W-164 thru -166 56-W-164 " -183 " -185 and 5W-W-1023 5h-W-1048, 1099B, 1099C -1099D, 1100 and -1101

T-10481 56-W-164 thru -166 56-W-183 " -185 56-W-208 and -209 54-W-1082 thru -1084 -1099D -1100 and -1101 54-W-1099D -1100 and -1135

NEXT PAGE

RED COULD NOT BE FOUND AT THE TIME OF FINAL REVIEW. X (SEE NOTE)

T-10483 56-W-222 thru -224 56-W-245 and (-246) T-10487 56-W-137 thru -140 56-W-162 " -164

T-10488 56-W-162 thru -164 56-W-184 and -185 54-W-1142 thru -1144 54-W-1021 and -1022 54-W-1022, -1048, -1049, -1051, -1052, -1101 and -1102

T-10489 56-W-184 and -185 56-W-203 thru -205 56-W-227 54-W-1100 and -1101 T-10490 56-W-225 thru -227 56-W-242 " -244 54-W-1144 and -1145 54-W-1194 and -1197

3. HORIZONTAL CONTROL

The following third-order triangulation stations were established during field inspection:

T-10481 GASPE 2

T-10488

WARWICK LIGHT

T-10482 CONIMICUT 2

T-10490 LAND

BULLOCKS POINT LIGHT

CASTLE ISLAND LIGHT

T-10483 RUM 2 WARREN STACK ALLEN ROCK LIGHT BARRINGTON BEACH TOWER

All Bureau stations plotted on the project diagram were searched for and reported on Form 526.

Stations reported lost are as follows:

T-10480 (none)

T-10481 Green, 1913 Stevens, 1863 Water Tank, Gallery Top, 1913 Water Tank, Finial, 1913 Gaspe(USE), 1913 C 2, USGS, 1934

* NOTE: THE NOS, OF PHOTOS USED IN PROJECT URBAN AREA LIMITS INSPECTION ARE LISTED IN THE PROJECT COMPLETION REPORT.

T-10482 Black Water Tank, Windmill on Top, 1913 Pile, 1913 Conimicut(USE), 1913 Yellow House, West Chimney, 1863 Bullocks Neck 3, 1897 Bullocks Point Lighthouse, 1897 Shed, White Top, 1913 Ballou Flagstaff, 1913

T-10483 Gray Water Tank, Center Pole, 1913 Rum, 1913 Warren Beacon, 1863

T-10487 Long, 1913

T-10488
Pojac 2, 1913
Spindle Rock Beacon, 1912
White House, South Gable, 1913
Wall, 1913
Sandy Point, 1863

T-10489
Potters Cove, Windmill, 1913
Patience Island Water Tower, 1912
North Point, House Chimney, 1912
Windmill, 1913

E-10490
Bristol, White Methodist Church, spire, 1843
Castle Island Beacon, 1843
Mussel Bed Shoals Lighthouse, 1897
Colt, 1913

Horizontal control searched for, recovered and identified by the field party consisted entirely of that plotted on the project diagram and new supplemental control established during the course of field work. The accuracy of U. S. Geological Survey traverse stations as plotted on the project diagram is unknown as no information regarding this control was furnished the field party other than the positions and descriptions.

4. VERTICAL CONTROL

This phase limited to the recovery of existing tidal bench marks.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage is chiefly through small perennial streams from swamp into the larger ponds and bays. Marsh and swamp limits have been indicated except for some small swamp sreas which were merely labeled as the limits are self-evident.

Perennial streams, on the whole, are self-evident on the photographs. All drainage was examined stereoscopically and has been classified, clarified and/or delineated where deemed necessary for aid in compilation.

6. WOODLAND COVER

Woodland cover was classified in accordance with reference 5433, Topographic Manual, Part II, and adequately covered by field inspection notes on the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

Shoreline inspection was accomplished from a skiff run close to shore. It is predominantly fast except for a few small areas in the smaller bays and rivers.

The MHWL has been indicated on the photographs in accordance with Fig. 5.22, Topographic Manual, Part II. The MHWL along the sand beaches was verified to be as photographed in May 1956.

An approximate low water line was indicated where practicable. It is usually very close to and parallels the MHWL. It was not practicable to accurately determine the MLWL.

The foreshore is rocky except along the few relatively small beaches scattered throughout the area. These beaches are used for bathing during the summer months. The foreshore is adequately covered by field inspection notes on the photographs.

Bluffs have been indicated where they are of landmark value.

The shore ends of all submerged cables were identified on the photographs. There appears to be a discrepancy in the charted position of the submerged cable crossing from Mayatt Point to Conimicut Point, Chart 353. The actual location of the cable is as shown on photograph 56-W-208 and was obtained from the actual location plans of the Narragansett Electric Co., the owners and installers of the cable.

A submerged cable crossing Old Warwick Cove, Chart 353, could not be found nor could any information as to its existence be obtained from local residents or authorities. It is doubtful if this cable is still in existence.

All shoreline structures were inspected and are adequately covered by field inspection notes.

8. OFFSHORE FEATURES

Field inspections of rocks was not as complete and detailed as would have been the case had hydrography not been in progress in the entire area at the time of shoreline inspection. All rocks which were visible at the time of shoreline inspection were visited and their elevations above water determined.

Several rocks which are charted could not be found during shoreline inspection. This is attributed to the stage of the tide at the time and does not indicate that no rocks exist as charted. It was not practicable to visit the entire area at low water, otherwise all charted rocks probably would have been found or their existence definitely disproved. See the boat sheets of the area for further information on rocks.

9. LANDMARKS AND AIDS

All landmarks for nautical charts, aeronautical charts and aids to navigation were reported on Form 567.

All fixed aids to navigation of permanent-type construction which had been rebuilt since last located by triangulation were again located by third-order triangulation methods. These were: BULLOCKS POINT LIGHT, ALLEN ROCK LIGHT, WARWICK LIGHT and CASTLE ISLAND LIGHT. Rumstick Ledge South, Center and North Daybeacons were not on station during field inspection. Although listed as privately maintained aids in "Complete List of Lights and Other Marine Aids, Atlantic Coast of the United States" they are not charted.

BRISTOL HARBOR LIGHT is not of permanent type construction and was located by plane table methods on graphic control sheet Ph-1-F-56 and identified on the field photographs for photogrammetric location.

10. BOUNDARIES, MONUMENTS AND LINES

Boundaries effecting these maps are as follows:

- 1. Massachusetts-Rhode Island State Boundary, Map T-10483
- 2. Providence County, Rhode Island, Map T-10480 and T-10482
- 3. Kent County, Rhode Island, Maps T-10480, T-10481, T-10487 and T-10488
- 4. Washington County, Rhode Island, Map T-10488
- 5. Bristol County, Massachusetts, Map T-10483
- Bristol County, Rhode Island, Maps T-10482, T-10483, T-10489 and T-10490
- 7. Newport County, Rhode Island, Maps T-10488, T-10489 and T-10490
- 8. City of Cranston, Rhode Island, Maps T-10480 and T
- 9. Goddard State Park, Rhode Island, Maps T-10487 and T-10488

All boundaries in the foregoing list were verified by local officials to be as mapped on current editions of topographic quadrangle maps as published by the U. S. Geological Survey.

All boundary monuments reported to be in existence at the time of field inspection were searched and identified if recovered.

Short sections of the boundaries were inked on the field photographs in instances where numerous monuments were recovered and identified. Other boundaries were inked in their entirety except the Massachusetts-Rhode Island State Boundary. All existing monuments on this boundary were recovered and identified for location by photogrammetric methods although many of them are triangulation stations of this bureau.

The following are incorporated towns or villages without limits of their own lying wholly within the limits of a town of the same or a different name. The town in each case being the first minor sub-division of the county:

- 1. Warwick
- 2. West Warwick
- 3. Mast Greenwich
- 4. East Providence
- 5. Barrington
- 6. Warren
- 7. Bristol

All of the preceding are in Rhode Island.

11. OTHER CONTROL

Hydrographic control was furnished to the East Coast Field
Party for the entire area by plane table graphic and photogrammetric
methods. The following is a list of hydrographic control sheet
numbers and the method used for each individual sheet:

Ph-1-C-56 Graphic

Ph-1-D N/2-56 Photogrammetric

Ph-1-D S/2-56 Graphic

Ph-1-E-56 Graphic

Ph-1-F-56 Graphic

Ph-1-G-56 Graphic

Ph-1-H-56 Graphic and Photogrammetric

Ph-1-I-56 Graphic

Two recoverable topographic stations were established. They are MAG and PIT and were located graphically.

7-10488

12. OTHER INTERIOR FEATURES

All roads were classified in accordance with reference 5441, Topographic Manual, Part II and Project Instructions.

All buildings were classified in accordance with reference 5446, Topographic Manual, Part II and Project Instructions.

State Airport in Map T-10461 is the only airport in the area. It has adequate facilities for the larger commercial planes and is used by all commercial airlines serving the area.

Clearances of all braidges and overhead cables crossing navigable waters were measured during field inspection. These clearances as computed by the field party are as tabulated on the following pages.

13. GEOGRAPHIC NAMES

A complete investigation of geographic names was not made. Discrepancies known to exist were indicated on prepared name sheets furnished the field party. All information needed to resolve these discrepancies was placed directly upon the prepared sheets and no formal report was prepared.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Triangulation data, Project 25120, forwarded to Washington 30 November 1956 in Pkg. No. 57-019 (Original copies)

Triangulation data, Project 25120, forwarded to Washington 30 November 1956 in Pkg. No. 57-020 (Duplicate copies)

Graphic Control Sheets, Project 25120 (13870), forwarded to Washington 3 December 1956 in Pkg. No. 57-023

Photo-Hydro Control Data, Project 25120 (13870), forwarded to Washington 3 December 1956 in Pkg. No. 57-024

Forms 567 for Landmarks and Aids to Navigation for Mautical and Aeronautical Charts to be forwarded at a later date.

One map, City of Cranston, Rhode Island.

One map, Bristol County, Rhode Island.

Approved: baich y. Filguald

Ira R. Rubottom

Chief of Party

Cohmittad.

Leo F. Beughet

Cartographic Survey Aid

TABULATION OF BRIDGE AND CABLE CLEARANCES

	Map No.	T-10480	T-10483 T-10483	T-10483 T-10483	T-10490
, A	Vert.	22.2	6,0 5,0	7.5	135
	Horis. Ver	31.67	56.5 9.5 32.4 16.0 6.5	66 19.5	1156
BRIDGE CLEARANCES	Vert.	2.5	3,8 3,6 4,0 4,0	## 6-31	135.5
BRIDGE	Horis. Ve	21.5* 21.5	39.5 32.5	66.0 19.5	1156
	Type	Pa _l	무심	a H	Pa
40	Location	NYNEZH BR	State of R.I.	State of R.I. NYNHAE RR	Mount Hope Bridge Co.
	Waterway	Apponeng River	Barrington River Barrington River	Warren River Warren River	Mount Hope Bay, R.I.

* Opening is restricted by piling.

		CABLE CLEARAN	S S S S S S S S S S S S S S S S S S S	,
Waterway	Lat 1 tude	Long! tude		Map No.
Apponeng River	8°In In	71 27.2	- <u>3</u> 1•2	T-10480
Barrington River Barrington River	त्र तम् सम् सम्	71. LT.8 8.71. LT.8	15.7	T-10483 T-10483
Warran Riese			, v,	10 10 1 m
Warren River	出出	71.17. 17.3	25.0 25.0 20.0 20.0	T-10483 T-10483
Belcher Cove Belcher Cove	1.4.0 1.4.0		23.2 28.5	T-10483 T-10483

Cable clearances listed beginning with cable nearest the mouth of the waterway and then proceeding upstream.

DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

FORM **164** (4-23-54)

COAST AND GEODETIC SURVEY CONTROL RECORD



DISTANCE FROM GRID OR PROJECTION LINE FROM GRID OR PROJECTION LINE IN METERS COMM- DC. 57843 (BACK) 1,000 FORWARD 8/8/57 SCALE FACTOR (BACK) N.A. 1927 - DATUM DATE... FORWARD CHECKED BY Henry P. Elchert DATUM SCALE OF MAP 1:10,000 OR PROJECTION LINE IN METERS 38.3) (193.1) $(12 l_{l} l_{l} - 1)$ 689.5) 103.2) 630.0) (1:11) 193.7) (1214.9) (2.777 DISTANCE FROM GRID IN FEET. (BACK) FORWARD 697.8 975.9 1658.0 141.6 757.3 1706.4 56.654 1747.9 1812.8 1657.h 171.4 32.754 58.759 42.206 LONGITUDE OR x-COORDINATE 30.18 06.13 53.74 55.31 LATITUDE OR y-COORDINATE Ph-163 3/59/57 3 28 23 28 그 ∄ 27 3 2 킈 PROJECT NO. 크 7 7 다 7 7 다 7 되 크 DATE.... DATUM N.A. 1927 # = = z SOURCE OF INFORMATION APPONAUG SPIRE 1843p. 108 p. 108 COMPUTED BY: A. K. HEYWOOD (INDEX) Comp US GS £ APPONAUG COURT HOUSE CUPOLA, 1913 MAP 7. 10480 APPONAUG YELLOW 1 FT. = .3048006 METER STATION Sub. Pt. (209 USGS 1934) 209 (usgs) 1934 CHIMNEY 1913

COMPILATION REPORT T-10480 Project Ph-163

The photogrammetric plot report for this survey is part of the Descriptive Report for Survey No. T-10472.

31. DELINEATION

The Kelsh plotter was used for delineation.

The double transmission line shown on this manuscript was delineated using 1954 photography.

32. CONTROL

Horizontal control was adequate. Vertical control is inapplicable.

33. SUPPLEMENTAL DATA

Planetable Sheet Ph 1-G-56 (comparison).
Map Of City Of Cranston, R. I., 1956 (comparison).

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage is complete.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was supplemented with office identified delineation along the Pawtuxet River.

No low-water or shoal lines are shown.

36. OFFSHORE DETAILS

Refer to paragraph 8 of the Field Report.

37. LANDMARKS AND AIDS

Submitted on Form 567.

38. CONTROL FOR FUTURE SURVEYS

Seven photo-hydro stations fall within the limits of this manuscript and are located on planetable Sheet Ph-1-G-56. These stations were favorably verified with the Kelsh plotter. Refer to the Descriptive Report to Accompany graphic control survey Sheets Ph-1-A-56 through Ph-1-N-56 submitted for this project.

No topographic stations were located.

39. JUNCTIONS

To the east with T-10481.

To the south with T-10487.

To the north, no contemporary survey.

To the west, no contemporary survey.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BOUNDARIES

The boundary line between Providence County and Kent County was delineated using information from Map Of City Of Cranston, 1956 and U.S.G.S. map of E. Greenwich, R. I., 1957. There is a discrepancy between these two maps and field inspection shown on photograph 56-W-136.

The boundary for Rhode Island State Institutions delineated from field inspection on photograph 56-W-136, disagrees with boundary shown on U.S.G.S. map of E. Greenwich, R. I., 1957.

42 through 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. $7\frac{1}{2}$ minute series of East Grennwich, R. I., scale 1:31680, edition of 1944.

U.S.G.S. 72 minute series of East Greenwich, R. I., scale 1:24,000, 1957.

T-sheet No. 5749, scale 1:20,000; issued July 1949.

47. COMPARISON WITH NAUTICAL CHARTS

C&GS Chart No. 353, scale 1:40,000; 19th edition 10 March 1958, revised 29 June 1959.

USC&GS Chart No. 278, scale 1:20,000; 10th edition 11 November 1946, corrected to 17 January 1959.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted

20 January 1960

Edward L. Rolle Carto. (Photo.)

Approved and forwarded

William E. Randall

LCDR, C&GS

Baltimore District Office

COMM-DC 34529

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10480

1. Projection and grids
CONTROL STATIONS
5. Horizontal control stations of third-order or higher accuracy6. Recoverable horizontal stations of less
than third-order accuracy (topographic stations)7. Photo hydro stations8. Bench marks8.
9. Plotting of sextant fixes X 10. Photogrammetric plot report 11. Detail points
ALONGSHORE AREAS
(Nautical Chart Data)
12. Shoreline13. Low-water line14. Rocks, shoals, etc15. Bridges16. Aids
to navigation17. Landmarks18. Other alongshore physical features19. Other along-
shore cultural features
PHYSICAL FEATURES
20. Water features 21. Natural ground cover 22. Planetable contours 23. Stereoscopic
instrument contours X 24. Contours in general X 25. Spot elevations X 26. Other physical
features
CULTURAL FEATURES
27. Roads 28. Buildings 29. Raliroads 30. Other cultural features
BOUNDARIES
31. Boundary lines 32. Public land lines
MISCELLANEOUS
33. Geographic names 34. Junctions 35. Legibility of the manuscript 36. Discrepancy
overlay 37. Descriptive Report 38. Field inspection photographs 39. Forms
Reviewer Supervisor, Review Section or Unit
41. Remarks (see attached sheet)
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.
S.G. BLANKENBAKER Complier Supervisor
43. Remarks:

T-10489, T-10487, T-10488 and T-10489 November 1966

61. General Statement

These surveys provided shoreline -- applied to smooth sheet during verification -- for H-8313; and, T-10489 provided, in part, support for H-8395. Changes in photogrammetric survey details shown in red on the hydrographic surveys were applied to the subject maps during this review.

62. through 65. Comparisons

All prior Bureau topographic information (topographic and hydrographic surveys -- and the subject maps) located in the alongshore area was evaluated by contemporary hydrographic survey verifiers. Prior Bureau surveys were not compared with the new maps during the subject review.

Comparisons with nautical charts and maps of other agencies were made by photogrammetric compilers. A number of discrepancies -- involving features (school and street names and boundaries) not applicable to either hydrographic surveys or modern charts -- between these surveys and USGS quadrangles were noted on discrepancy prints or in the compilation reports. These discrepancies can be disposed of only through a field check.

66. Adequacy of Results and Future Surveys

Refer to the Summary and Addendum to the Summary included in this Descriptive Report.

Reviewed by:

Approved by:

S. G. Blankenbaker

Chief, Photogrammetric Branch

Photogrammetry Division

Chief, Marine Chart Division

GEOGRAPHIC NAMES FINAL NAME SHEET

PH-163 (Rhode Island)

T-10480

Apponaug

Apponaug Cove

Arnold Neck

Bald Hill

Cedar Tree Point

Cranston

East Natick

Theodore Francis
Greene Airport-J.P.

Greenwood

Gorton Pond

Hardig Brook

Hillsgrove

Howard

Meshanticut Brook

-Natick

Natick Pond- Af

·Oaklawn

Pawtuxet River

Pontiac

Slate Hill

Three Ponds Brook

-Warwick

Westcott

.West Warwick

Approved by:

a posph Wraight

A. Joseph Wraight

Prepared by:

Cartographic Technician

Frank W. Pickett

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Form	10-15

U.S DEPARTMENT OF COMMERCE GOAST AN EODETIC SURVEY

MONNYLOWNING/MIDS/AR LANDMARKS FOR CHARTS

. 19 57 I recommend that the following objects which have (http//hbf) been inspected from seaward to determine their value as landmarks be TO BE CHARTED XTG BEXERRY XXXX REXERVER XXXX

5 Feb.

Morgan City, La.

STRIKE OUT TWO

Isaiah Y. Fitzgerald charted on (doloth)/the charts indicated.

The positions given have been checked after listing by

/s/ I. R. Rubettom

												Seems to form	
BTATE	MASS ACHUSETTS-RHODE ISLAND			1	POSITION					 ,	THAND		
			5	LATITUDE:	LONG	LONGITUDE +			DATE OF		300	CHARTS	
CHARTING	DESCRIPTION	BIGNAL	•	D.M.METERS		D. P. METERS	DATUM	SURVEY No.	LOCATION	SESAN CHEMI	HE310		
URTHOUSE	CUPOLA ht=139(161) (Apponance Courthouse Cupola, 19)	13)	다다	56.654	72 27	32.75h	NA 1927	T-10480	July 13/56	×	<u>,,,</u>	353,1210	
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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. 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. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given. USCOMMEDC 27126

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10480

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 Revi

CHART	DATE	CARTOGRAPHER	Part REMARKS
278	8-14-69	O. Chapman	Full Per Pofore After Verification Review Inspection Signed Via
			Drawing No. Exam. No. Corr.
353	12-11-70	H. Danley	Full Part Before After Verification Review Inspection Signed Via
	16 16	ra sang	Drawing No.
278	2-16-22	w.cladle	Full Par Refere After Verification Review Inspection Signed Via
			Drawing No.
20	6-18-23	w. challe	Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
	•		Full Part Before After Verification Review Inspection Signed Via
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