

10484

Diag. Cht. No. 1210-2.

FORM C&GS-504

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

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-163 Office No. T-10484

4
00

DESCRIPTIVE REPORT - DATA RECORD

- 2 -

T- 10484

Ph-163

Project No. (II): ~~74120~~

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):

Copy filed in Division of
Photogrammetry (IV)

(II) 9 April 1956

13 March 1957

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):

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): MHW

~~NO ELEVATIONS SHOWN ON THIS CHART~~

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): TOWSETT, 1843

Lat.: 41° 41' 58.682" (1810.5 m) Long.: 71° 14' 33.844" (782.5 m)

Adjusted

~~UNADJUSTED~~

Plane Coordinates (IV):

State: R. I.

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.

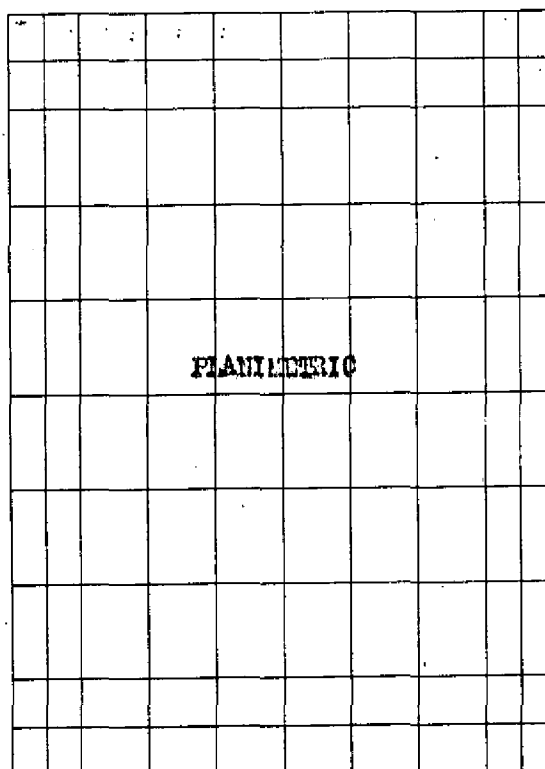
T-10484

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

71° 15.0'



41° 45.0'

41° 41.25'

71° 11.25'

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

DESCRIPTIVE REPORT - DATA RECORD

- 5 -

Camera (kind or source) (III): U.S.C. & G. S. "W" camera

Number	Date	PHOTOGRAPHS (III) Time (EST)	Scale	Stage of Tide
56-W-245 thru 247	5/1/56	931	1:30,000	2.5 above MLW
56-W-257 thru 260	"	946	"	2.6 " "

Tide (III)
From Predicted Tide Tables

Reference Station: Newport, R. I.
Subordinate Station: Fall River, Mass.
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	3.5	4.4
	4.4	5.5

Washington Office Review by (IV): S.G. Blankenbaker

Date: Dec. 1966

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 9.5

Shoreline (More than 200 meters to opposite shore) (III): 18.5 mi.

Shoreline (Less than 200 meters to opposite shore) (III): 3.7 mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 17 ~~18~~ Recovered: 8 ~~10~~

Number of BMs searched for (II): none Recovered:

Number of Recoverable Photo Stations established (III): none

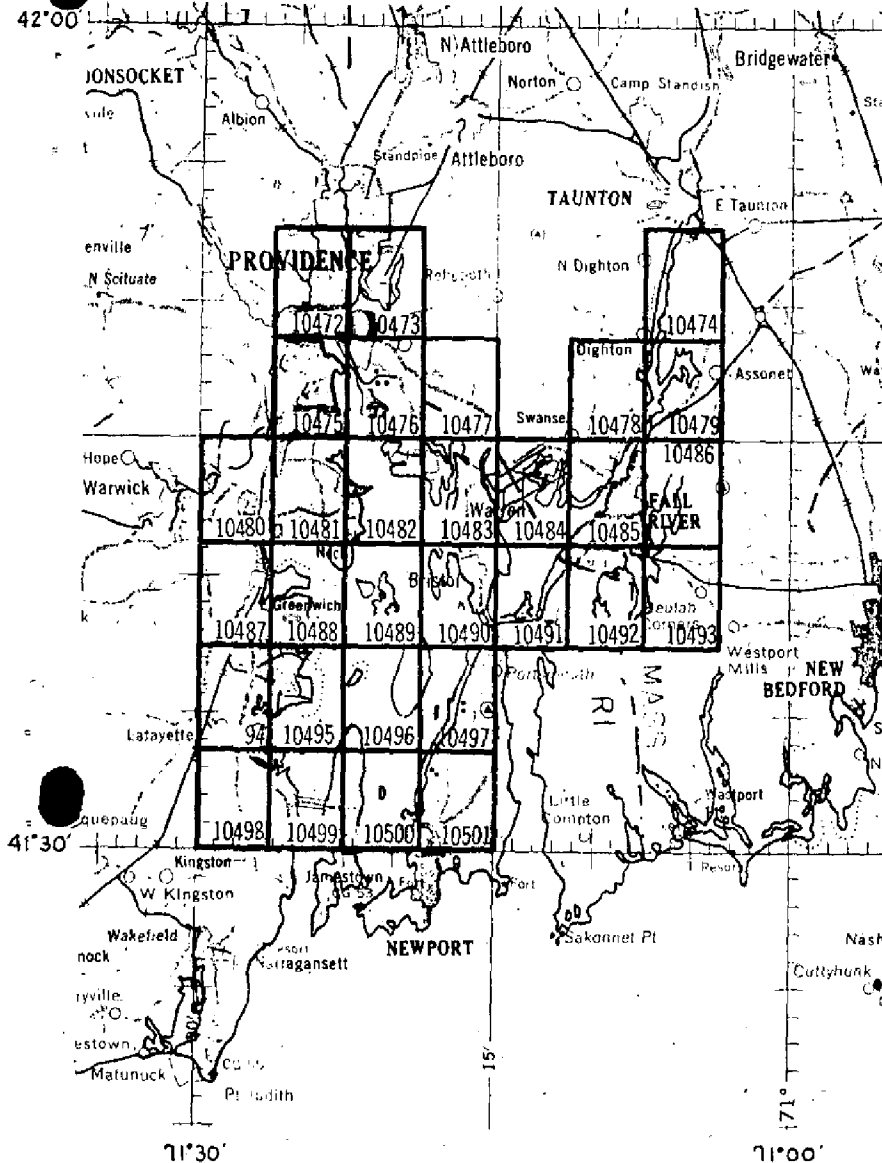
Number of Temporary Photo Hydro Stations established (III): see item 38

Identified: 3
Identified:

Remarks:

PLANIMETRIC MAPPING PROJECT PH - 163

Narragansett Bay, Mass. - Rhode Island



OFFICIAL MILEAGE FOR COST ACCOUNTING

SHEET NO.	Lin. Mi. SHORELINE	AREA SQ. MI.
10472	10	12
10473	7	13
10474	- 0 -	14
10475	8	10
10476	6	11
10477	2	13
10478	1	13
10479	7	12
10480	2	13
10481	4	13
10482	8	4
10483	6	11
10484	8	8
10485	8	10
10486	7	10
10487	3	13
10488	6	6
10489	7	3
10490	8	7
10491	8	7
10492	4	11
10493	3	1
10494	2	1
10495	5	7
10496	5	1
10497	5	1
10498	- 0 -	1
10499	10	1
10500	6	1
10501	2	1

TOTALS 158 29

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT
T-10484

Map T-10484 is one of thirty planimetric maps comprising project PH-163. The project covers the Narragansett Bay, Rhode Island-Massachusetts area.

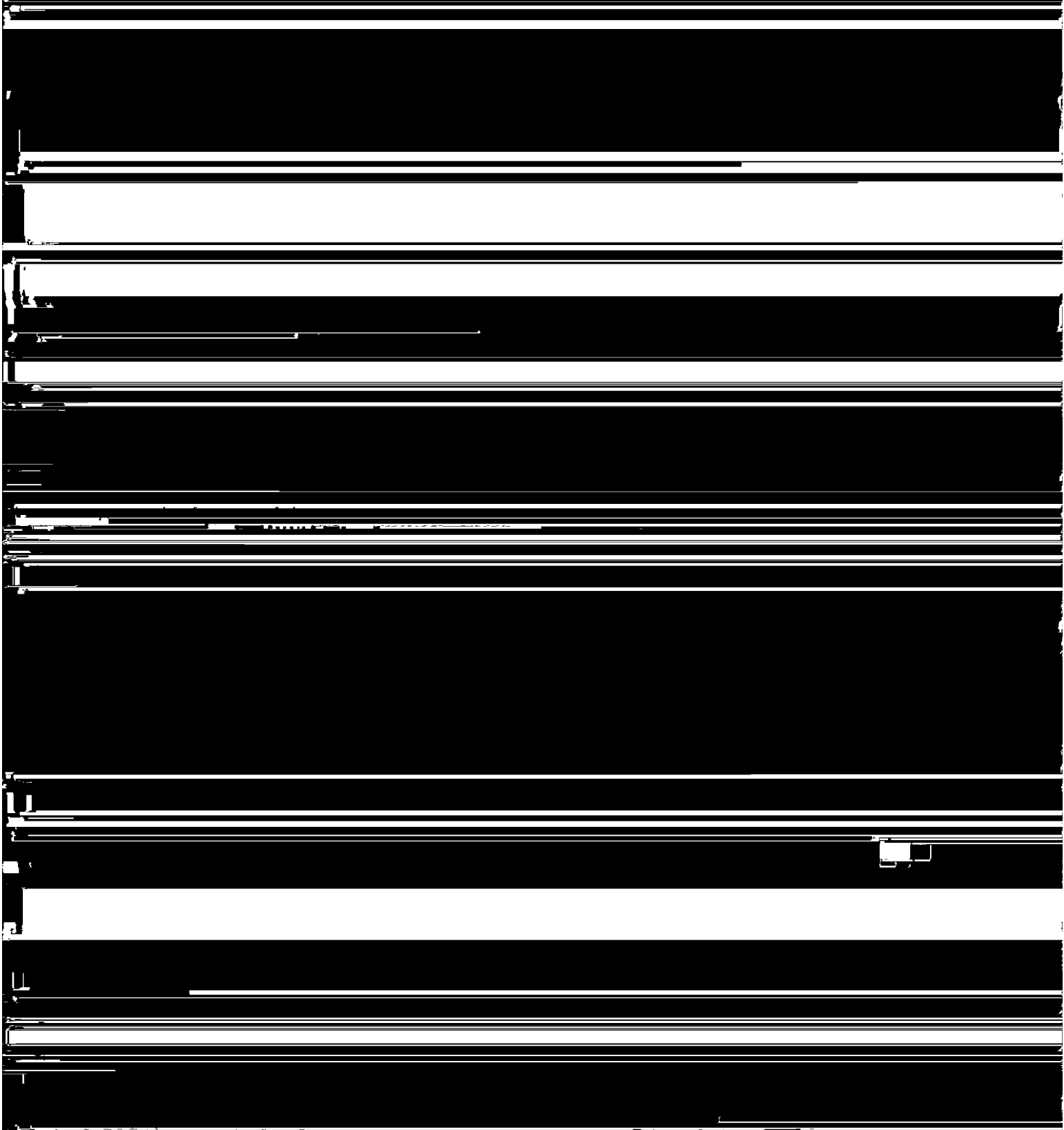
The project area was field inspected prior to compilation, bridged by multiplex and compiled by Kelsh plotter.

The addendum to this Summary contains an evaluation of project map accuracy and adequacy.

A cronaflex copy of the map will be registered.

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

Most of the material was used in contemporary hand-drawn



other hydrographic surveys were attributed, in part, to incorrect transfer of signals, substandard plotting and use of weak sextant fixes.

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

FIELD INSPECTION REPORT

Project 25120

Map T-10484

Please refer to the Field Inspection Report for Map T-10474
for all data pertaining to this map.

Martin C. Moody
Martin C. Moody
Cartographic Survey Aid

Approved:

Isaiah Y. Fitzgerald
for
Ira R. Rubottom
Chief of Party

FIELD INSPECTION PHOTOGRAPHS
56W 245, 246, 257, 258,
259

ALL PHOTOGRAPHS WERE MISSING
AT THE TIME OF FINAL REVIEW -
APPARENTLY LOST.

1:10,000..... SCALE FACTOR 1,000

[illegible]

S. G. Blankenbaker

DATE 3/25/57

COMM-DC-57843

MAP T. 10484

PROJECT NO. Ph-163

SCALE OF MAP..... 1:10,000

SCALE FACTOR

1,000

[illegible]

1 FT. = 3048006 METER

COMPUTED BY: **A. K. Heywood**

DATE 3/22/57

CHECKED BY: S. G. Blankenbaker

DATE _____

3/25/57

COMM-DC-57843

- 13 -
- 10 -

COMPILATION REPORT
T-10484

The Photogrammetric plot report for this survey is part of the Descriptive Report for survey T-10472.

31. DELINEATION

The Kelsh plotter was used for delineation of this manuscript.

32. CONTROL

The identification, density and placement of horizontal control was adequate.

33. SUPPLEMENTAL DATA

Final name sheet dated 5 March 1957, prepared on a copy of U.S.G.S. Fall River, Mass.-R.I. quadrangle.

34. CONTOURS AND DRAINAGE

Delineation of drainage was based on field data.

Contours are not applicable.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was entirely satisfactory. The low-water line shown was based on field inspection.

36. OFFSHORE DETAILS

No comment.



38. CONTROL FOR FUTURE SURVEYS

A copy of boat sheet H-8396 was available in the compilation office but no comparison of signal positions was necessary because the signals located by the hydro party in 1957 were considered final. (See letter 73/rrj, 2 Dec. 1957 to the East Coast Field Party.)

There are no recoverable topographic stations on this manuscript.

39. JUNCTIONS

Junctions have been made and are in agreement with the following surveys:

T-10483 to the west.

T-10485 to the east.

T-10491 to the south.

No contemporary survey to the north.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. BRIDGE DATA

Cole River Highway Mass 103 fixed bridge horizontal clearance

47. COMPARISON WITH NAUTICAL CHARTS

Chart 353, scale 1:40,000, 19th edition 3/10/58, revised 6/29/59.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
8 February 1960

R. Glaser

R. Glaser
Carto. (Photo.)

Approved and forwarded

William E. Randall

William E. Randall
LCDR, C&GS
Baltimore District Officer

PHOTOGRAMMETRIC OFFICE REVIEW

T. 10484

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

4a. Classification label ☒

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒
9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☒ 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 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 ☒

40. R. Glasen
Reviewer

Joseph Steinberg
Supervisor, Review Section of 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
Compiler

Supervisor

Dec. 1966

43. Remarks:

REVIEW REPORT
T-10484
December 1966

61. General Statement

This survey was used in support of hydrographic survey H-8396. Corrections applied to to photogrammetric survey details during hydrography and during verification of the hydrographic survey were applied to T-10484 during this review.

The Brayton Point area of T-10484 is covered only by prior hydrographic survey H-8207.



in shoreline, amounting to 3 mm., were reported to the Hydrographic Survey Data Branch during this review of T-10484.

65. Comparison with Nautical Charts

353	1:40,000	1/17/66
350	1:10,000	1/24/66

Some changes in shoreline features that occurred subsequent to the time of survey T-10484 have been applied to the charts from other sources. Some discrepancies exist, in rock information, between chart 350 (Brayton Point) and the latest contemporary surveys (T-10484 and H-8396). This was reported to the Hydrographic Survey Data Branch during this review of T-10484.

66. Adequacy of Results and Future Surveys

This survey is deficient in alongshore information (rocks, obstructions, etc.) as shown by comparison with prior surveys and the contemporary hydrographic surveys. The addendum to the "Summary" for this report includes information relating to the accuracy and adequacy of project maps. The maps will be registered; remapping, however, is recommended for future hydrographic survey support purposes.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved by:

Charles L. Lamm
Chief, Photogrammetric Branch

Ralph Sobieralski FEB 05 1968
Chief, Photogrammetry Division

John C. Boyer 2/13/68
Chief, Marine Chart Division

**TO BE DELETED
TO BE DELETED**

STRIKE OUT ONE

NONVULCANIZING/AIDS OR LANDMARKS FOR CHARTS

Morgan City, Louisiana

I recommend that the following objects which have ~~(value / no)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(delete / from)~~ the charts indicated.

The positions given have been checked after listing by

/s/ I. R. Rubottom

Chief of Party.

[illegible]

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. 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.

* TABULATE SECONDS AND METERS

Comm-DC 28356

1-9-68

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-163 (Rhode Island)

T-10484

✓Brayton Point
Bristol - 7A
✓Bristol Narrows

✓Bristol Neck

✓Cedar Cove

✓Chase Cove

✓Coggeshall

✓Cole River

✓Fox Hill Cove

✓Gardners Neck

✓Kickamuit River

✓Lee River

✓Little Neck

✓Luther Corner

✓Mount Hope Bay

✓Ocean Grove

✓Sewammock Neck

✓Somerset

✓South Swansea

✓Spar Island

✓Swansea

✓Touisset

✓Touisset Highlands

✓Toweset Point

✓Warren

Approved by:

A. Joseph Wright
A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

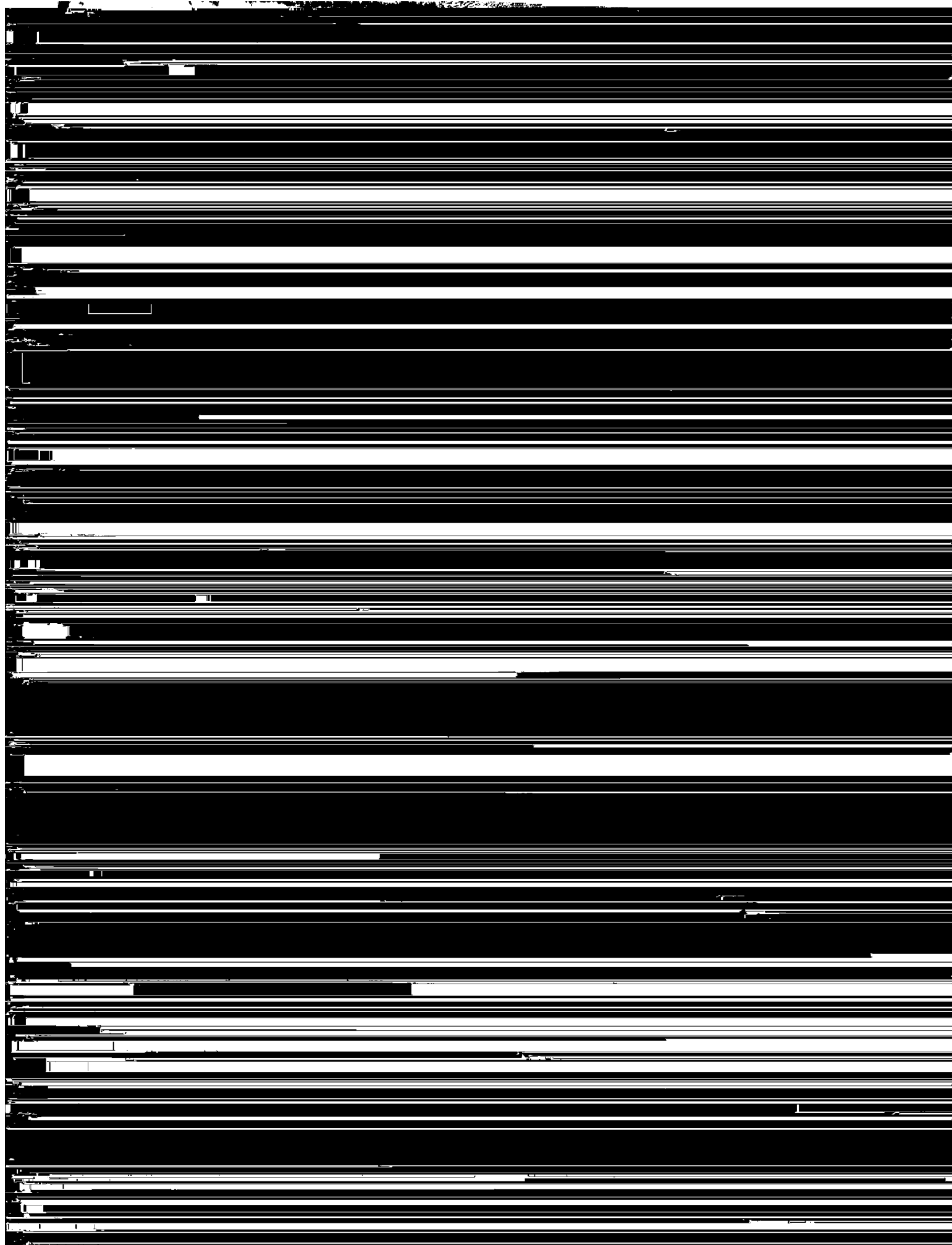
NOTES FOR THE REVIEWER

The Fall River, Mass.-R.I. quadrangle, Chart 353, and Bureau survey T-5750, show the geographic name "Touisset" applying to a neck of land in the area of this manuscript. However, in view of the many names in the immediate area followed by the word "Neck", it seems possible that the name should be "Touisset Neck", especially since there is also a village named "Touisset".

Chart 350 shows a landmark at Brayton Point labeled "Silo (larger of two)". Chart 353, revised 6/29/59, shows "Silo" in the same location. Examination of the photographs reveals what appears to be three structures of approximately equal size, either of which could be the landmark. Since there was no field data or identification, the landmark is neither plotted on the manuscript nor reported on Form 567.

Appendix No. 6 to the Boundary Report, Project Ph-142 gives the description of the boundary line between Massachusetts and Rhode Island.

As a check, the position of corner Swansea-Warren 2 was converted



RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-10484

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.

[illegible]