10483

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-10483
LOCALITY
State Massachusetts - Rhode Island
General locality Narragansett Bay
Locality Warren
1956
CHIEF OF PARTY I.R.Rubottom, Chief of Party W.E.Randall, Balto. District Officer

LIBRARY & ARCHIVES

DATE February 15, 1968

USCOMM-DC 37022-P66

DESCRIPTIVE REPORT - DATA RECORD

- 2 -

10483

Ph-163

Project No. (II): P/51/P/O

Quadrangle Name (IV):

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

Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge:

Instructions dated (II) (III):

Copy filed in Division of Photogrammetry (IV)

(II) 9 April 1956 13 March 1957

Method of Compilation (III): Kelsh Plotter

Stereoscopic Plotting Instrument Scale (III): 1:6.000

Date reported to Nautical Chart Branch (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

MICHGADIANEKOZY POSKYDNOS: 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): RUM 2, 1956

Lat.: 41° 42' 23.892" (737.1 m) Long.: 71° 18' 10.853" (250.9 m)

Adjusted CATALOGUE N

Plane Coordinates (IV):

State: Rhode Island

Y=

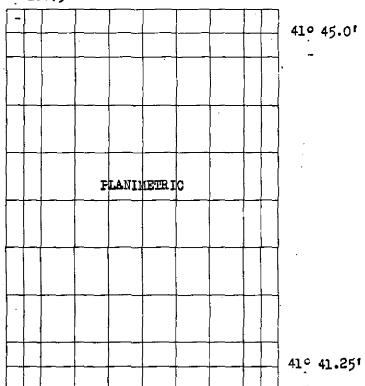
X ≈

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.

- 3 -





710 15.01

Areas contoured by various personnel (Show name within area)

(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

- 4 -

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

Date: May - October 1956

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

REFER TO FOOTHOTE PAGE 5

Mean High Water Location (III) (State date and method of location): 1956 field inspection on 1956 photographs

Projection and Grids ruled by (IV):

J. B. Phillips

3/29/57 Date:

Projection and Grids checked by (IV): H. D. Wolfe

3/29/57 Date:

Control plotted by (III):

J. C. Richter

Date:

8/1/57

Control checked by (III):

B. Kurs

Date:

8/8/57

Radial Plot or Stereoscopic

E. L. Rolle

Date:

9/30/57

Control extension by (III):

Planimetry J. W. Robinson

Date:

2/14/58

Stereoscopic Instrument compilation (III):

CKOROCOROK

Date:

Manuscript delineated by (III): R. J. Mechlinski

(scribed)

Date:

11/27/59

Photogrammetric Office Review by (III):

R. Glaser

10/30/59 Date:

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS single lens "W" camera

- 5 -

Number	Date	Time (EST)	Scale	Stage of Tide
56-W-222 thru 224 245 " 246 208	5/1/56	0918 0932 0904	1:30,000	2.3' above MIW

Tide (III)
(From Predicted tables)

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

Subordinate Station:

Fall River, Mass.

Washington Office Review by (IV):

S.G. BLANKENBAKER

Date: 1400.1966

Range Range

3.5 4.4

|Ratio of | Mean | Spring

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Date:

Date:

Ranges

.

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 11.5

Shoreline (More than 200 meters to opposite shore) (III): 18.0 mi. Shoreline (Less than 200 meters to opposite shore) (III): 2.5 mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): Number of BMs searched for (II): None 7 Recovered:

Identified:

ere

Number of Recoverable Photo Stations established (III): None

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

Identified:

Remarks:

Four (\$) third-order triangulation stations established.

FIELD EDIT

PARTIES H-8314 and H-8396

DATE 1956 1957

6

NO FIELD EDIT SHEET SUBMITTED

PLANIMETRIC MAPPING PROJECT PH - 163

16

Narragansett Bay, Mass.- Rhode Island

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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORTS T-10477, T-10481, T-10482 and T-10483

Job PH-163 is a planimetric survey project comprised of thirty maps covering Narragansett Bay, Rhode Island-Massachusetts.

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

Refer to the accompanying addendum concerning adequacy and accuracy of the subject maps and recommendations regarding future surveys.

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 Photodata. grammetry 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

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 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. - Rhope 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 Map T-10483

Please refer to the Field Inspection Report for Map T- 10480 for all data pertaining to this map.

Leo F. Beugnet

Cartographic Survey Aid

Approved: Jitge

Ira R. Rubottom Chief of Party

> FIELD INSPECTION PHOTOGRAPHS 56 W 222 thru 224 56 W 245 " 246 54 W 1142 " 1144

PHOTOGRAPHS 56W Z45 AND Z46,54W

1142 WERE MISSING ATTHE

TIME OF FINAL REVIEW
APPARENTLY LOST

Form 164 (4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY



FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS COMM. DC. 57843 (BACK) FORWARD 15/9/8 SCALE FACTOR DISTANCE
FROM GRID OR PROJECTION LINE
IN METERS (BACK) N.A. 1927 - DATUM DATE.. FORWARD DATUM B. Kurs 622.2) (0.7111) OR PROJECTION LINE IN METERS (1049.9)355.6) 530.0) 362.9) (1322.2)(1727.3)(1031.5)(1344.2)258.5) 725.9) (580.8) (1168.3)(103.1)(1136.3)(1070.0)(1111.2) DISTANCE FROM GRID IN FEET. (BACK) CHECKED BY: FORWARD 801.2 1495.5 506.9 250.9 **3.**492 123.8 1125.2 806.7 682.8 276.0 857.1 64.7 355.1 1284.1 737.1 781.1 1488.2 1128.7 LONGITUDE OR * COORDINATE LATITUDE OR V-COORDINATE 48.474 37.073 48.237 36.471 15,367 34.885 25.968 02,798 04.014 23.892 10,853 33.077 16.43 18.82 22.13 55.54 3/29/57 PROJECT NO. Ph-163 5 18 걐 13 ĮĮ 16 16 42 13 72 18 77 각 17 77 17 7 킈 ₹27 [1] 다 7 7 4 7 겈 7 7 7. 다 7.7 듸 な 크 디 듸 DATE. DATUM N.A. 1927 Ħ = Ξ ŧ Ŧ F SOURCE OF (CE.P. List P. 169 COMPUTED BY: A. K. Heywood 115 p. 109 P. 153 P. 169 H p. 168 (INDEX) Comp. = å å MAP T. 10483 ALLEN ROCK LIGHT, 1956 BARRINGTON BEACH TOWER, 1956 WARREN METHODIST CHURCH, 1863 WARREN BERKSHIRE FABRIC MILLS 1 FT.= 3048006 METER STATION WARREN WATER CUPOLA, 1863 STACK, 1956 TOWER, 1912 BARN, WHITE RUM 2, 1956 Sub. Pt. RUM 2, 1956 KID, 1913

COMPILATION REPORT T-10483

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

31. DELINEATION

The Kelsh plotter was used for delineation.

32. CONTROL

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

Vertical control is not applicable.

33. SUPPLEMENTAL DATA

- 1. Final name standard, dated 5 March 1957.
- 2. Copy of boat sheet H-8314, for comparison.
- 3. Copies of planetable surveys: Ph-1-D S/2-56, Ph-1-E-56 and Ph-1-D N/2-56.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage which was difficult to interpret on the photographs was well field inspected. The balance, drainage which was obvious, was delineated from office examination of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate.

No low-water lines were field inspected and none are delineated on the survey.

One small shallow area was field inspected and was delineated on the manuscript.

36. **CFFSHORE DETAILS**

No comment.

37. LANDMARKS AND AIDS

Forms 567 for 3 (three) landmarks and lentone) aid to navigation to be charted and for 1 (one) landmark to be deleted were submitted by the field party 5 Feb. 1957.

38. CONTROL FOR FUTURE SURVEYS

Of the 45 (forty-five) photo-hydro stations in the area of this survey, 30 (thirty) could be verified in the models. Reasonably good agreement was noted for most of the positions when compared with graphic control surveys Ph-1-D-S/2-56, Ph-1-E-56 and Ph-1-D N/2-56.

Refer to "Descriptive Report to accompany Graphic Control Survey Sheets Ph-1-A-56 through Ph-1-N-56" submitted for this project.

No recoverable topographic stations were established.

39. JUNCTIONS

To the north with T-10477

To the east with T-10484

To the south with T-10490

To the west with T-10482

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

1. BOUNDARIES

With the exception of the Rhode Island-Massachusetts State boundary, all boundaries were taken from the U. S. G. S. Bristol, R. I. - Mass. quadrangle.

42 through 45.

Not applicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. $7\frac{1}{2}$ minute quadrangle Bristol, R.I. - Mass., scale 1:24,000 surveys of 1939, revised 1955.

U.S.C. & G.S. Shoreline Survey T-5749, scale 1:20,000, issued July 1949.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 278, scale 1:20,000, published November 11, 1946. Revised 8/25/58 and corrected to 1/17/59.

Items to be applied to Nautical Charts immediately:

None.

Items to be carried forward:

Miane E. Randall

None.

Respectfully submitted

31 October 1959

Raymond Glaser Carto. (Photo.)

Approved and forwarded

William E. Randall

LCDR, C&GS

Baltimore District Officer

FORM 182 (6-12-56)

-15-

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10483

		4a. Classif	ication Isbel
	CONTROL ST	ATIONS	,
5. Horizontal control	stations of third-order or higher accurac	y6. Recoverable horiz	ontal stations of
than third-order accu	racy (topographic stations)7.	Photo hydro stations8. B	ench marks
9. Plotting of sextant	fixesX10. Photogrammetric plo	ot report 11. Detail point	·s
	ALONGSHORE	E AREAS	•
	(Nautical Cha	rt Data)	
12. Shoreline	13. Low-water line 14. Rock	is, shoals, etc15. Bridge	os <u> </u>
to navigation	17. Landmarks18. Other al-	ongshore physical features	19. Other alo
shore cultural feature	8		
	PHYSICAL FEA	ATURES	
20. Water features _	21. Natural ground cover	22. Planetable contours	23. Stereosc
instrument contours.	24. Contours in general	≤ 25. Spot elevations×	26. Other phy:
features	₹	,	
	CULTURAL FE	ATURES	
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40. <u>C / 22</u>	Reviewer	Supervisor, Review Section	on or Unit
41. Remarks (see at	acned sheet)		•
•		-	
•		DESCRIONS TO THE MANIFESSIO	т —
FI	ELD COMPLETION ADDITIONS AND CO	ARECHONS TO THE MANUSCRIP	•
42. Additions and co	rrections furnished by the field completi		
42. Additions and co manuscript is now co			

REVIEW REPORT Planimetric Maps T-10477, T-10481, T-10482 and T-10483 November 1966

61. General Statement

These surveys provided, in part, hydrographic support data for surveys H-8313, 8314 and 8396. Changes in photogrammetric survey details, shown in red on the hydrographic surveys, were applied to the subject maps during this review.

62. thru 65. Comparisons

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

Comparison was made with contemporary hydrographic surveys (refer to side headings 61 and 66, the Summary and its addendum).

Comparison 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. These discrepancies can be disposed of only through a field check. The compilation report for project map T-10475 contains a general discussion of boundary discrepancies.

66. Adequacy of Results and Future Surveys

Hydrographic survey verifiers experienced considerable difficulty in adjusting hydrography (H-8396) and in mapping rock information. Some plane table signal positions were corrected by photogrammetric methods prior to completion of smooth sheet plotting. Refer to the Summary and its addendum included in the Descriptive Report concerning the adequacy of results and future surveys.

Reviewed by:

Approved by:

Chief. Photogrammetric Branch

Thalphotieralski FEB 0 5 1968

Chief, Marine Chart Division

GEOGRAPHIC NAMES FINAL NAME SHEET PH-163 (Rhode Island) T-10483

Adams Point Allen Rock Barrington Barrington Beach Barrington River Beach Terrace -Belcher Cove Bristol Bristol Highlands Bristol Neck Deyer Rock Hampton Meadows Heath Brook Hyde Hole Jacobs Point Kickamuit River Laurel Park Leahy Pond Little Island

- Narragansett Bay New Meadow Neck Penivs Rocks , Rumstick Ledge Rumstick Neck Rumstick Rock- The Rumstick Point Rumstick Sheal- The Smith Cove Swansea .The Brothers Tree Point Rocks Tyler Point Upper Middle Ground .Upper Grinnell Point - Warren Warren Reservoir Warren River

· Lower Middle Ground

Approved by:

Wraight Chief Geographer

Cartographic Technician

Form 567 (10.15.58)

U.S. DEPARTMENT OF COMMERCE PDETIC SURVEY COAST AND A

NONFLOATING AIDS OR/LANDIMAKKS FOR CHARTS

TO BE REVISED STRIKE OUT TWO TO BE CHARTED

Morgan City, Louisiana

. 19_57 5 February

I recommend that the following objects which have highe/high been inspected from seaward to determine their value as landmarks be charted on all higher than the charts indicated.

The positions given have been checked after listing by Isalah Y. Fitzgerald

/s/ I. R. Rubottom

STATE	RHODE ISLAND	,			POSITION			METHOD		YAAH	THAH
			5	LATITUDE:	LONG	LONGITUDE +		LOCATION	1 10 0 1) 32	CHARTS
CHARTING	DESCRIPTION	BIGNAL	•	" D.M.METERS	•	D. P. METERS	DATUM	BURVEY No.	LOCATION	OHSHI	
LT	Allen Bock Light (No. 554)	-	य प	148-474	71 17	37.073 P	4.A. 1927	Triang July T-10483 19.56	July 19.56	K	2782353
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	•										

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charred landmarks and nonfloating aids to naviagation, 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.

U.S. DEPARTMENT OF COMMERCE

Form 567 (10-15-58)

COAST AND GEODETIC SURVEY

NOWFILM PATTING / PHINS / OR LANDMARKS FOR CHARTS

STRIKE OUT TWO TO BE CHARTED TO BE REVISED TO

Morgan City, Louisiana

I recommend that the following objects which have (11dde/11610) been inspected from seaward to determine their value as landmarks be charted on 14th 14th the charts indicated.

Isaiah Y. Fitzgerald The positions given have been checked after listing by _ I. R. Rubottom

										O	Chief of Party.	Ę
STATE	RHODE ISLAND			il.	POSITION					<u> </u>	TWAHS	
			Ĭ	LATTIUDE	LONG	LONGITUDE		LOCATION	DATE			CHARTS
CHARTING	•	BIGNAL		D.M. METERS	•	D. P. METERS	DATUM	_	1956	OHSHI	H\$/40	
STACK	red brick, ht=175(178)(A WARREN BERKSHIRE FABRIC MILLS STACK, 1956)		חוו נון	04.014	71 17	15,367 355.1	N.A. 1927	Triang T-10183	5/15	K	2783	2781, 353
STANDFIPE	STANDFIPE ht=85(211) (A WARREN WATER TOWER, 1912)			16.43 506.9		1128.7	£	=	1/1	K	=	=
SPIRE	Octagonal spire on square clock tower ht-126(153)(A WARREN		[]	148.237	71 17	02.798 64.7	E	F	6/59	×	278, 3	353
	METHODIST CHURCH, 1863)										ļ	ļ
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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.

* TABULATE SECONDS AND METERS

USCOMM-DC 27128

Form 567 April 1945

U.S. DEPARTMENT, OF COMMERCE PDETIC SURVEY COAST AND

NOWING CANDAING / AIDS / OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

A S / 医红 女子/A R P 作时夕 TO BE DELETED

Morgan City, La.

recommend that the following objects which have (1444/1444) been inspected from seaward to determine their value as landmarks be

Isaiah Y. Fitzgerald dhat 194/λη/ (deleted from) the charts indicated.

The positions given have been checked after listing by

I. R. Rubottom

										-	
STATE	RHODE ISLAND				POSITION			METHOD		THAN	_
			5	LATITUDE+	PNOT	LONGITUDE +		LOCATION	E o	13 23¢	CHARTS
CHARTING	DESCRIPTION	BIGNAL	. ,	// D.W. METERS	•	" D.P. METERS	DATUM	BURVEY No.	LOCATION	OKENI OKENI	
TANK			מיויו ניו		71 17•3		N.A. 1927	E8401-T		×	278
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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. 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.

NOTES TO REVIEWER T-10483

During the photogrammetric office review, the photo-hydro signals not verified in the models were transferred graphically to the worksheet for comparison. Good agreement was noted for most of these points when compared with the graphic control surveys.

Station "ADO", on Rumstick Neck, was obviously incorrectly identified on photograph 54-W-1142. The manuscript position disagreed with the plane-table position by more than a centimeter at manuscript scale.

The note "Town Hall" was inspected on photograph 56-W-222. The dome of the same building was called "Warren City Hall Dome" on 56-W-223. This dome is also a hydro station.

HAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

T-10483

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	Part REMARKS
278	8-16-69	O Chapman	Full Para After Verification Review Inspection Signed Via
			Drawing No. 25 Exam. NOCorv.
353	12-16-70	H. Darley	Entl Part Before After Verification Review Inspection Signed Via
			Drawing No.
278	2-17-73	W. Charle	Full Para Peter After Verification Review Inspection Signed Via
			Drawing No.
25.3	6-18-23	w. cl. Do.	Full Pero Barnee After Verification Review Inspection Signed Via
			Drawing No.
	<u> </u>	<u> </u>	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.
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