10475

~~duplicate~~

Diag. Cht. No. 1210-2. Insert

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey: Planimetric

Field No. Ph-163 Office No. T-10475

LOCALITY

State: Rhode Island

General locality: Narragansett Bay

Locality: Providence (South)

~~1954~~ - 1956

CHIEF OF PARTY

I. R. Rubottom, Chief of Party
William E. Randall, Balto. Dist. Officer

LIBRARY & ARCHIVES

DATE: February 26, 1968

USCOMM-DC 5087

10475

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

-f- 2

T - 10475

Project No. (II): Ph-163 ~~[illegible]~~ Quadrangle Name (IV):

Field Office (II): East Providence, R. I. Chief of Party: Ira E. Bubottom

Photogrammetric Office (III): Baltimore, Maryland Officer-in-Charge: William E. Randall

Instructions dated (II) (III):

(II) 9 April 1956
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): 23 AUG 1960 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

[redacted]
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): KETTLE POINT, 1863

Lat.: 41° 47' 45.853(1414.7 m) Long.: 71° 22' 41.108 (949.1 m) Adjusted [redacted]

Plane Coordinates (IV): State: Rhode Island Zone: ---

Y= X=

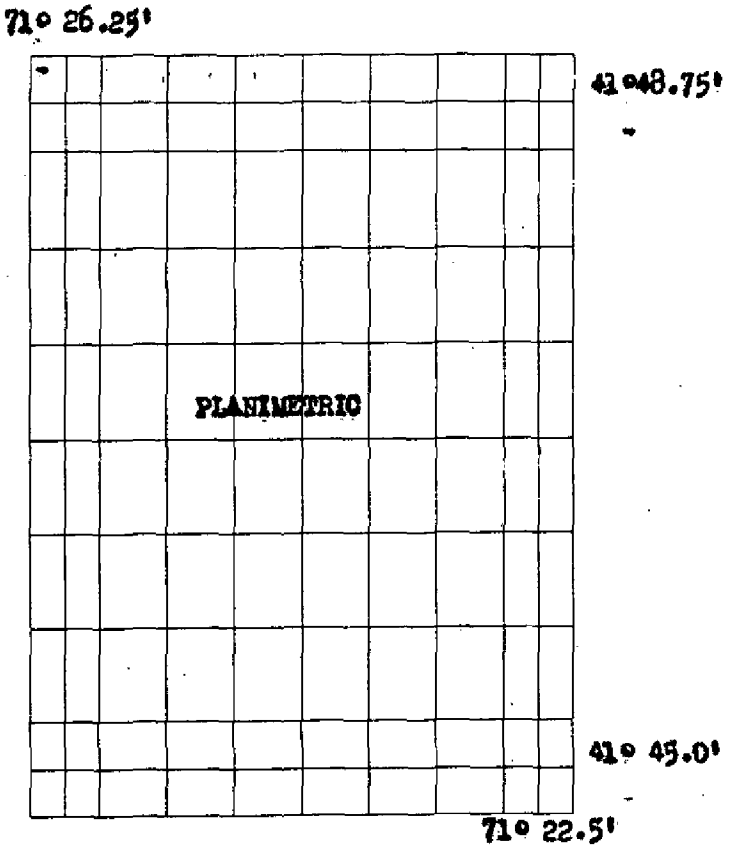
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

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

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



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

FORM 181c
(4-23-54)

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.

PHOTOGRAPHS (III)

Number	Date	Time (EST)	Scale	Stage of Tide
56-W-167 thru 169	5/1/56	0833	1:30,000	1.5' above MLW
56-W-179 thru 182	"	0844	"	1.9' " "

Tide (III)
(from predicted tables)

	Ratio of Ranges	Mean Range	Spring Range
Reference Station: Newport, R. I.	-	3.5'	4.4'
Subordinate Station: Providence	1.3'	4.6'	5.7'
Subordinate Station:			

Washington Office Review by (IV): S. G. Blankenbaker Date: NOV., 1966

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 11
Shoreline (More than 200 meters to opposite shore) (III): 11 Statute miles
Shoreline (Less than 200 meters to opposite shore) (III): 6 Statute miles
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 11 Recovered: 5 Identified: 3
Number of BMs searched for (II): 7 Recovered: 7 Identified: 1
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): See item 38

Remarks:

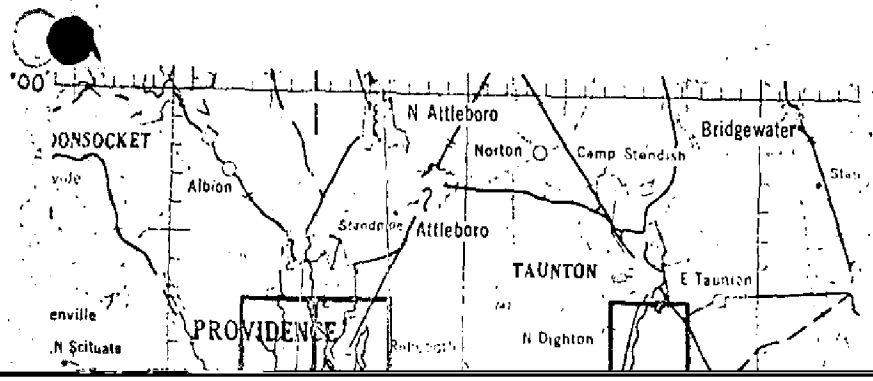
Seven (7) third-order triangulation stations established.

All bench marks searched for are Tidal Bench Marks.

PLANIMETRIC MAPPING PROJECT PH - 163

Narragansett Bay, Mass.- Rhode Island

(6)



OFFICIAL MILEAGE FOR COST ACCOUNT

SHEET NO.	Lin.Mi. SHORELINE	AREA SQ. MI
10472	10	12
10473	7	13
10474	- 9 -	14
10475	8	10
10476	6	11

(7)

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORTS
T-10472, T-10473, T-10475 and T-10476
Job PH-163

Job PH-163 is comprised of thirty planimetric surveys and covers the Narragansett Bay, Rhode Island-Massachusetts area.

A complete field inspection preceded compilation. Limited field edit was accomplished in conjunction with contemporary hydrographic surveys H-8314 and H-8316. The project was bridged by multiplex and compiled by Kelsh plotter.

Difficulties encountered by the hydrographic survey verifier in adjusting hydrographic information based on plane table and photogrammetric control are discussed in the individual review reports and in the Addendum to this Summary.

Cronaflex copies of the maps will be registered.

(8)

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

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 data. 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.

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

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). SGB

FIELD INSPECTION REPORT
Project 25120
Map T-10475

Please refer to the Field Inspection Report for Map T-10472 for all data pertaining to this map.

Isaiah Y. Fitzgerald
Photogrammetric Engineer

Approved:

I. R. Rubottom
Chief of Party

FIELD PHOTOGRAPHS FOR THIS MAP —
56W 133, 134, (167), 168, 169, 180, 181, (182)

54W 1041, 1096, 1097, 1098, 1099A

NOTE: PHOTOGRAPHS CIRCLED COULD NOT BE FOUND AT TIME OF FINAL REVIEW.

URBAN AREA LIMITS WERE INSPECTED ON 54W PHOTOGRAPHY (CONTACT). PHOTO NUMBERS ARE LISTED IN THE PROJECT COMPLETION REPORT.

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

PROJECT NO. Ph-163 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR φ-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
171	N.A. 1927	41 47 38.298	1181.6	669.5					
		71 22 48.780	1126.3	259.0					
170	"	41 48 16.646	513.6	1337.5	OFF PROJECT				
		71 28 23.875	551.2	833.8					
171	"	41 47 55.631	1716.3	134.8					
		71 23 39.075	902.1	483.0					
168	"	41 47 42.354	1306.7	544.4					
		71 23 27.688	639.3	746.0					
168	"	41 46 03.975	122.6	1728.5					
		71 23 10.767	248.7	1137.2					
168	"	41 48 39.546	1220.1	631.0					
		71 23 44.232	1021.0	363.9					
168	"	41 48 42.415	1308.6	542.5					
		71 24 34.697	800.8	584.0					
Y. d. S of 17	"	41 47 15.79	487.1	1364.0					
		71 24 11.23	259.3	1126.1					
85 110	"	41 47 45.853	1414.7	436.4					
		71 22 41.108	949.1	436.2					
85 113	"	41 45 58.606	1808.1	43.0					
		71 23 30.775	710.9	675.0					
	"	41 45 43.759	1350.1	501.0					
		71 22 33.135	765.5	620.6					
85 114	"	41 48 40.55	1251.0	600.1	OFF PROJECT				
		71 28 03.17	73.2	1311.8					

ter DATE 25 July 1957 CHECKED BY J. C. Cregan DATE 12 August 1957

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE — COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT — CONTROL RECORD

MAP T- 10475 PROJECT NO. Ph-163 SCALE OF MAP 1:10,000 SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
Sub. Sta. NEUTACONKANUT, 1843	Comp.	N.A. 1927	41 48	1204.2	646.9					
			71 28	60.2	1324.7					
Sub. Sta. CI USGS, 1934	"	"	41 47	445.43	1405.67					
			71 24	242.24	1143.26					

1 FT. = .3048006 METER

COMPUTED BY: J. C. Richter DATE: 25 July 1957 CHECKED BY: J. C. Cregan DATE: 12 August 1957

COMM-DC-57843

COMPILATION REPORT
Project Ph-163
T-10475

Photogrammetric Plot Report is part of the descriptive report for survey T-10472.

31. DELINEATION

The Kelsh Plotter was used for delineation.

32. CONTROL

Horizontal control was adequate. Vertical control is inapplicable.

33. SUPPLEMENTAL DATA

Geographic Name Standard dated 5 March 1957.
City of Providence Map, published 1955, was used for compiling the town.line between Providence and East Providence from Kettle Pt. on T-10475 to Bishop Pt. on T-10472.
Map of City of Cranston, 1956 for comparison.
Map of Town of East Providence, 1954 for comparison.
Copies of boat sheets for surveys H-8314 and H-8316 were available for comparison.

34. CONTOURS AND DRAINAGE

Drainage is complete. Contours are inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline details are from field inspection which was thorough.

The low water lines are from field inspection.

36. OFFSHORE DETAILS

The piles at Pawtuxet Cove were located by sextant fixes recorded on back of field photograph No. 56-W-182.

37. LANDMARKS AND AIDS

Forms 567 were submitted for six (6) landmarks and four (4) aids. Four (4) of the above points were located photogrammetrically from field identification during delineation by Kelsh Plotter.

38. CONTROL FOR FUTURE SURVEYS

No points, other than those mentioned under item 37, were established.

Refer to attached notes regarding the photo-hydro stations in the area of this survey and to the "Descriptive Report to accompany Graphic Control Survey Sheets Ph-1-A-56 through Ph-1-N-56" submitted for this project.

39. JUNCTIONS

To the north with T-10472.
To the east with T-10476.
To the south with T-10481.
There is no contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 thru 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

U.S.G.S. 7½ minute quadrangle, Providence, R. I., scale 1:24,000, edition of 1959.
Bureau Survey T-5748 S/2 (1944), scale 1:10,000.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 352, scale 1:10,000, published January 9, 1945. Revised 6/6/55.
Chart No. 278, scale 1:20,000 published November 11, 1946. Revised 8/25/58.

Items to be applied to Nautical Charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
8 December 1958

J. D. McEvoy,
Carto. (Photo.)

Approved and forwarded

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

FORM 182
(6-12-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

15

PHOTOGRAMMETRIC OFFICE REVIEW

T-

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 alongshore 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. Joseph W Vonasek — Reviewer; [illegible] — 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. Bienvenbaker — Compiler

——— Supervisor

W.O., Nov. 1966

43. Remarks:

COMM-DC 34529

REVIEW REPORT
Planimetric Maps
T-10472, T-10473, T-10475 and T-10476
November 1966

61. General Statement

Field edit, accomplished by hydrographic survey parties during contemporary surveys H-8314 and H-8316, consisted of a check of landmarks, MHW line and topographic features seaward from the shoreline. Hydrographic survey changes in photogrammetric details were applied to the photogrammetric surveys during the subject final review.

Hydrographic survey verification and review preceded this review. The verifier (H-8316) encountered considerable difficulty in adjusting hydrographic information. These difficulties were never entirely eliminated. Since the difficulties were related, in part, to photogrammetric survey information, the Washington Office Review Group checked hydrographic signal location (previously located by plane table methods and identified on photographs) and the location of shoreline and alongshore features by graphic methods using field photographs containing primary control identified for bridging and the identified signals. New positions were obtained for 57 signals and shoreline changes were made in several areas. Most of the problems in adjusting hydrographic information and the related discrepancies between the surveys were resolved through application of the subject revisions. The combined Addendum to Summaries included in each Descriptive Report contains a discussion of the subject revision work and other problems encountered that relate to overall project accuracy and future surveys.

62 through 65. Comparisons

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

Refer to side heading 61 concerning comparison with contemporary hydrographic surveys. Comparison with nautical charts and maps of other agencies were made by photogrammetric compilers.

A number of discrepancies -- involving features (school names, boundaries, etc.) not applicable to either hydrographic surveys or nautical charts -- between these surveys and USGS quads were noted on discrepancy prints. The discrepancies were not resolved during field edit (hydro party); they cannot be resolved in the office.

66. Adequacy of Results and Future Surveys

Refer to the "Addendum to Summaries" included in this Descriptive Report.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved by:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division

MAR 25 1968

Chief, Marine Chart Division

(18)

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-163 (Mass. & R. I.)

T-10475

Allens Avenue
Auburn
Barrington Parkway
Bellefonte
Bellefonte Pond
Boston Post Road
Brigg Jr. High School
Broad Street
Congregational Sons of Israel Cemetery
Copps Cove
Cranberry Bog
Cranberry Island
Cranston
Cunliff Lake
Deep Spring Lake
Dillon Memorial Park
East Providence
Eddy Street
Edgewood
Edgewood Pond
Edgewood Yacht Club
Elmwood
Elmwood Avenue
Elon Lake
Fenner Pond
Fields Point
Flower Island
Fuller Rock
Gilbert Stuart Jr. High School
Grace Cemetery

~~Harbor Junction~~ NOT APPLICABLE FOR THIS MAP
Harbor Junction Wharf
Hospital Pond
Kent County
Kettle Point
Knight Memorial Library
Lakewood
Locust Grove Cemetery
Lovett Rock
Marsh Island
Mashapaug Brook
Mashapaug Pond
Metacomet Golf Club
Municipal Wharf
Narragansett Boulevard
Narragansett Parkway
Narragansett Yacht Club
Nelson W. Aldrich High School
New York, New Haven and Hartford
Norwood
Oakland Cemetery
Park Avenue
Park View Jr. High School
Pawtuxet
Pawtuxet Cemetery
Pawtuxet Cove
Pawtuxet Reservation
Pawtuxet River
Pierce Memorial Field
Pleasure Lake

Approved by:

A. Joseph Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

NOTE: Wraight's list continued on page 18A

T-10475 con't

Polo Lake
Posneganset Pond
Providence
Providence County
Providence River
Reservoir Avenue
Rhode Island Hospital
Rhode Island Yacht Club
Robin Hill
Rock Island
Roger Williams Jr. High School
Roger Williams Park
Rose Island
Saint Joseph Hospital
Sassafrass Point
Scopulous Island
Silver Hook
South Providence
Star Island
Stillhouse Cove Park
Sunshine Island
U. S. 1
U. S. Alt. 1
U. S. Armory
U. S. Naval Reserve
Warwick
Warwick Avenue
Warwick R. R.
Watchemoket Cove
Washouset Point
Wilkes Barre Pier
William H. Hall Library
Willow Lake

(19)

REPORT TO ACCOMPANY CRONAFLEX PRINT
OF SURVEY T-10475, PROJECT PH-163

This map manuscript was compared with copies of graphic control sheets Nos. Ph-1-B-56 and Ph-1-C-56, Projects Nos. 13870 and 25120, scale 1:10,000. Common photo-hydro stations whose positions differ by more than 0.5 mm are listed below. Also listed are those photo-hydro stations that could not be identified. All other photo-hydro stations within the limits of this survey were verified within 0.5 mm and were not plotted on the manuscript.

STATION NAME	PHOTOGRAMMETRIC POSITION	
WAG	0.7 mm	SE
WIT	0.9 mm	SE
GAM	0.6 mm	SE
YES	0.8 mm	ENE
RUM	0.7 mm	N
FIG	0.7 mm	W

STATION NOT IDENTIFIED

RIP	ACE	POT	TEX	TAP
LAD	ROB	ZIP	ROB	BAG
KEN	PAD	YAM	PAL	WAX

It is recommended that the photo-hydro stations plotted on the map manuscript be used in making the smooth sheets.

Respectfully submitted
8 September 1958

Leroy A. Senasack
Carto. Photo. Aid

Approved and forwarded

William F. Deane,
CDR C&GS
Baltimore District Officer

Form 567
April 1945

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland 12 October 19 59

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Joseph W. Vonasek

William F. Deane *Chief of Party.*

STATE	Rhode Island		POSITION									
			LATITUDE*			LONGITUDE*						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	°	′	″ D.E. METERS	°	′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT	Sabin Point Light (△ Sabine Point Lighthouse, 1897)	BIN	41	45	43.759 1350.1	71	22	33.135 765.5	N.A. 1927	~~T-10175~~ Triang.	7/18/56	x			278, 353
LT	~~Pawtucket~~ Pawtuxet Cove Range Front Light		41	45	32.15 992	71	23	18.74 433	"	Photo.	7/23/56	x			" "
LT	~~Pawtucket~~ Pawtuxet Cove Range Rear Light		41	45	31.70 978	71	23	20.39 471	"	"	"	x			" "
LT	Fuller Rock Light (△ Fuller Rocks Light, 1956)	FUL	41	47	38.298 1181.6	71	22	46.780 1126.3	"	Triang.	7/18/56	x			278, 352, 353

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

(20)

Form 567
April 1945

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland 12 October 1959

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

The positions given have been checked after listing by Joseph W. Vonasek

William F. Deane *Chief of Party.*

STATE: Rhode Island

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	POSITION LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
PENTHOUSE (East Corner)	Rhode Island Hospital ht=153 (203)(△ Hospital, 1956)		41 48	42.415 1308.6	71 24	31.692 800.8	N.A. 1927	T-10475 Triang.	9/56	X			352,353
GAS TANK	steel, large black ht=186(208)		41 48	35.23 1087	71 24	21.09 556	"	Photo.	10/16 1956	X			278, 352, 353
GAS TANK	steel, large black ht=208(223)		41 47	46.77 1443	71 23	50.07 1256	"	"	"	X			278, 352, 353
STACK	yellow brick ht=148(157)(△ Providence Gas Co., Stack, 1956)	IDE	41 47	55.631 1716.3	71 23	39.075 902.1	"	Triang.	9/56	X			278, 352, 353
STACK	red brick ht=150(177)(△ Providence Sewage Disposal Plant Stack, 1956)	YAK	41 47	42.354 1306.7	71 23	27.688 639.3	"	"	7/18/56	X			278, 352, 353
SPIRE	wooden ht=92(124)(△ Pawtuxet Church Spire, 1891)	PAW	41 45	58.606 1808.1	71 23	30.775 710.9	"	"	7/19/56	X			278, 353

(21)

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

(22)

NOTE TO REVIEWER
T-10475

The delineation of the boundaries in the vicinity of Providence River should be verified. (T-10472, T-10473, T-10475, T-10476, T-10482). They are based mainly on field inspection on photographs 56-W-167, 168, 181, 210. The field report states that the boundary of the Town