11440

Diag. Cht. Nos. 1210-2 and 1211-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-142 *Office No.* T-11440

LOCALITY

State Rhode Island

General locality Block Island Sound

Locality Charlestown Beach to Sand Hill Cove

1954

CHIEF OF PARTY

L.F.Woodcock, Chief of Party
W.F.Deane, Balto. District Office

LIBRARY & ARCHIVES

DATE April 1962

USCOMM-DC 5087

11440

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T- 11440

Project No. (II): Ph-142 Quadrangle Name (IV):

Field Office (II): Groton, Conn. Chief of Party: L. F. Woodcock

Photogrammetric Office (III): Baltimore, Md. Officer-in-Charge: William F. Deane

Instructions dated (II) (III): 8 June 1954 Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Air Photographic (Kelsh Plotter)

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): 1:4000 (Pantograph ratio 2/5)

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): 30 Aug 1960

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III):

Mean sea level except as follows:
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): GREEN HILL, 1938

Lat.: 41° 22' 24.145" Long.: 71° 35' 51.726" Adjusted

Plane Coordinates (IV): State: Zone:

Y= X=

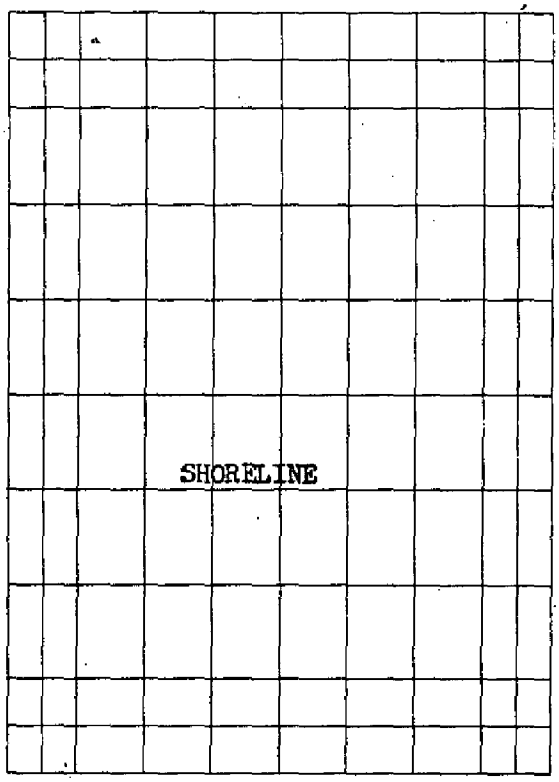
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

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

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 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): M. A. Stewart — Date: July 1954

Planetable contouring by (II): — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): 22 April 1954 for shoreline west of Matunuck Point. 21 April 1956 for Matunuck Point and eastward; Photogrammetric (Kelsh).

Projection and Grids ruled by (IV): A. Rose — Date: 3 Dec. 1954

Projection and Grids checked by (IV): A. Rose — Date: 10 Dec. 1954

Control plotted by (III): J. B. McDonald — Date: 17 Aug. 1955

Control checked by (III): J. Perrow — Date: 17 Aug. 1955

Radial Plot or Stereoscopic Control extension by (III): E. L. Rolle — Date: 24 May 1956

Stereoscopic Instrument compilation (III): Planimetry E. L. Rolle — Date: 1 June 1956

~~Contours~~ — Date:

Manuscript delineated by (III): C. A. Lipscomb — Date: 6 Feb. 1957

Photogrammetric Office Review by (III): Jos. D. McEvoy — Date: 15 June 1956

Elevations on Manuscript checked by (II) (III): — — Date: —

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III):

PHOTOGRAPHS (III) (EST)

Number	Date	Time	Scale	Stage of Tide
54-W-1000	22 April 1954	1200	1:20,000	1.8' above MLW
1001	"	"	"	1.8' above MLW
1246	"	1454	"	0.1' above MLW
1247	"	1454	"	0.1' above MLW
1248	"	1454	"	0.1' above MLW
1249	"	1454	"	0.1' above MLW
1250	"	1454	"	0.1' above MLW
1251	"	1454	"	0.1' above MLW
1252	"	1454	"	0.1' above MLW

Tide (III)

Ratio of Ranges	Mean Range	Spring Range
-	3.5	4.4
-	3.1	3.9

Reference Station: Newport, R. I.
Subordinate Station: Pt. Judith Harbor
Subordinate Station:

Washington Office Review by (IV): A.K. Hayward Date: APRIL 21, 1960

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): A.K.H. Date: Aug 28 1960

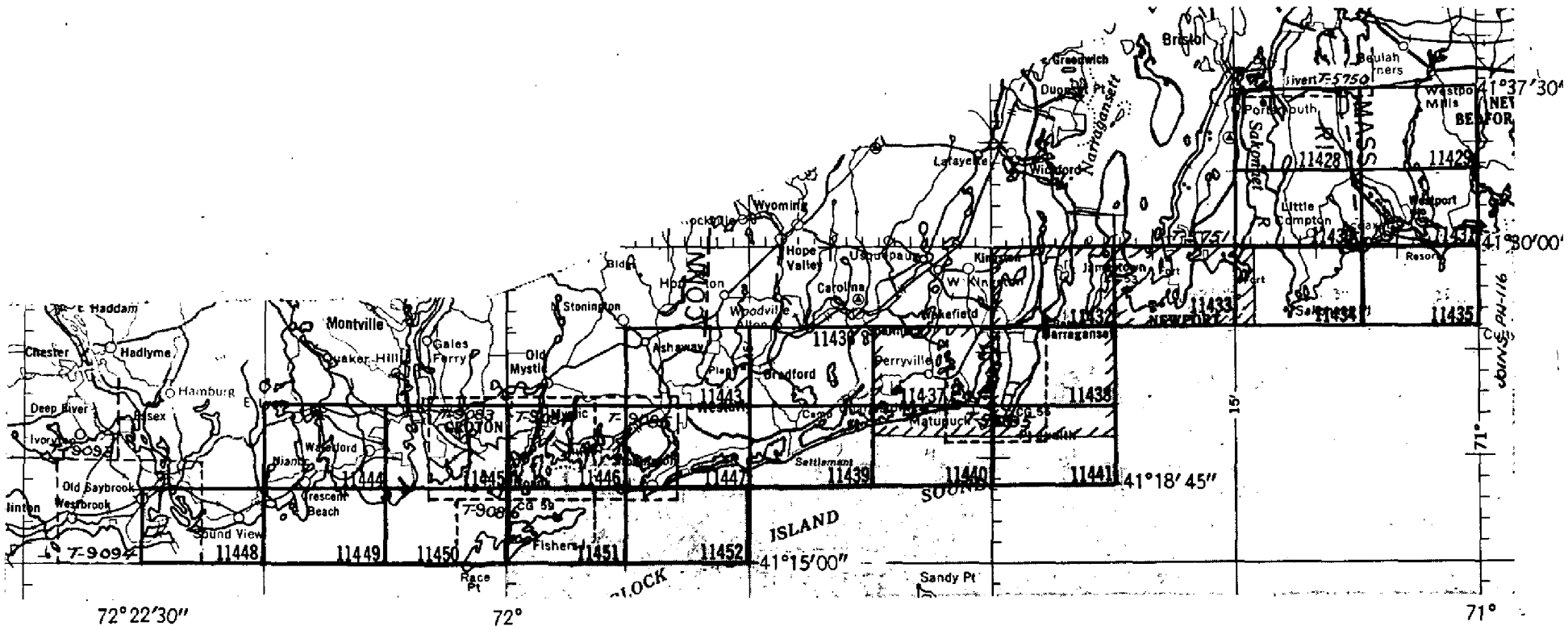
Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 2
Shoreline (More than 200 meters to opposite shore) (III): 8
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 15 Recovered: 11 Identified: 8
Number of BMs searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

SHORELINE MAPPING PROJECT PH-142

Block Island Sd., R.I. to Conn. River, Conn.



OFFICIAL MILEAGE FOR COST ACCOUNTS		
SHEET NO.	LIN.MI. SHORELINE	AREA SQ.MILES
11428	12	23
11429	10	26
11430	10	24
11431	35	22
11432	27	17
11433	26	7
11434	17	8
11435	4	1
11436	10	16
11437	22	25
11438	11	9
11439	25	13
11440	8	2
11441	3	1
11443	8	9
11444	35	25
11445	43	24
11446	40	15
11447	28	22
11448	30	8
11449	20	4
11450	8	3
11451	14	3
11452	4	1
TOTALS	450	308

----- Indicates shoreline revision

Topographic revision

SUMMARY
PROJECT OPR 142
TWENTY-FOUR

This project consists of 3 3/4' X 7½', 1:10,000 scale shoreline maps. Three manuscripts T-11444, T-11448 and T-11449 were compiled by the Tampa District Office. The remainder were compiled by the Baltimore District Office.

The objective of the project was to provide shoreline and horizontal control data for contemporary hydrographic surveys and base maps for nautical charts.

It extends from the New Bedford, Connecticut area west to Old Saybrook along Block Island Sound and includes parts of Massachusetts, Rhode Island, and Connecticut.

Aerial photography was taken in the spring of 1954 with the "W" camera at 1:20,000 scale and supplemental nine-lens at 1:10,000 at low water. Some additional photography was flown in May 1956 for revision purposes.

Control was extended by stereoplanigraph and multiplex methods. Compilation was accomplished by Kelsh.

More stations were identified than necessary for this project. This was due to the fact that the original intentions were to extend horizontal control by radial line plot methods. Subsequent purchase of an additional first order bridging instrument reduced the need for the density of control. This item is the subject of supplemental instructions dated 15 September 1955, Paragraph 5. The field phase of control identification was initiated in June 1954.

The project is classified as Shoreline yet instructions to the field dated 8 June 1954, Paragraph 9 "Interior Inspection" states "the inland limits of inspection and delineation are the map limits".

Five contemporary hydrographic surveys dated 1956-57 have been completed in this area by visual hydrographic methods.

~~All~~ The sheets ~~were~~ was scribed and transmitted to the Washington Office by Baltimore District Office

Final Review was completed by April 1960.

Submitted by:

A. K. Heywood

2. AREAL FIELD INSPECTION

This area is part of the north shore of Block Island Sound and lies west of Point Judith including most of the Point Judith Harbor of Refuge.

The area is chiefly residential, both permanent and seasonal, although it is becoming less seasonal.

There are a few small dairy farms.

Photographic quality was good. No difficulty was encountered in interpretation of the photographs.

Field inspection notes were applied to 1:10,000 scale ratio prints of single lens photographs 54-W-1000 and 54-W-1001; 54-W-1246 through 54-W-1251 and 1:10,000 scale nine-lens photograph 43735.

Field work was completed prior to the hurricanes of 31 August and 11 September 1954. Damage to buildings along the shoreline and other shoreline structures was extensive. Field inspection was not revised after the hurricanes.

3. HORIZONTAL CONTROL

No supplemental horizontal control was established.

No control of other agencies was searched for.

The following stations were reported lost: CHURCH CUPOLA 1913; HOUSE CUPOLA (BURN) 1939; GREEN HILL POINT COAST GUARD FLAG TOWER 1939; and BOAT HOUSE SE CORNER 1912.

4. VERTICAL CONTROL

There is none.

5. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage was developed and classified by standard symbols in blue ink.

The limits of marsh and swamp were indicated by symbol.

6. WOODLAND COVER

Adequately covered by field inspection notes and the photographs.

7. SHORELINE AND ALONGSHORE FEATURES

See Field Inspection Report, T-11439( ) for mean high water line information.

The mean low water line was inspected during one low water and the approximate mean low water line indicated on nine-lens photograph 43735.

* THIS IS IN ERROR. THERE IS NO L.N.L. INSPECTED ON THIS PHOTO. NAH

Other alongshore features are adequately covered by field inspection notes on the photographs.

8. OFFSHORE FEATURES

Offshore features are the breakwaters of Point Judith Harbor of Refuge and rocks near the shore. These are adequately covered by field inspection notes.

* THERE WERE NO OFFSHORE ROCKS INSPECTED ON THIS MANUSCRIPT. DBA

9. LANDMARKS AND AIDS

One new landmark was selected and recommended for charting. There are four fixed aids to navigation. All are adequately covered by the photographs and forms 567.

10. BOUNDARIES, MONUMENTS AND LINES

There are no state boundaries in the area.

One small military reservation exists on Green Hill. The area limits were indicated along the fence enclosing it. The reservation encloses three coast artillery observation and fire control towers which are now abandoned. It has no individual name.

* BOUNDARIES OF MILITARY RESERVATIONS ARE NOT SHOWN ON SHORELINE SURVEYS DBA

11. OTHER CONTROL

None was required.

12. OTHER INTERIOR FEATURES

Field inspection of buildings was completed prior to receipt of Instructions, Project Ph-142(Field) Supplement 3 and was not revised.

Class 1 buildings were indicated by placing a red "x" upon the image of the building. Class 2 buildings were indicated in the same manner, except the numeral 2 was used instead of the red "x".

All other interior features are adequately covered by field inspection notes.

13. GEOGRAPHIC NAMES

No discrepancies were noted during field inspection.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Letter of Transmittal No. Ph-142-3, Form 567, Aids to Navigation, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. Ph-142-4, Form 567, Landmarks for Charts, to be forwarded to Washington Office at a later date.

Letter of Transmittal No. Ph-142-18, Data, Map T-11437, forwarded to Washington Office OCT 27 1954

Letter of Transmittal No. Ph-142-19, Data, Map T-11440, forwarded to Washington Office OCT 27 1954

Submitted
20 October 1954

Matthew A. Stewart
Cartographic Survey Aid

Approved & Forwarded

OCT 27 1954

Lorin F. Woodcock
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT
Project Ph-142
T-11440

21. AREA COVERED

T-11436, T-11437, T100439, T-11440, T-11443, T-11445, T-11446, T-11447, T-11450, T-11451 and T-11452.

22. METHOD

Pass points for controlling the Kelsh models were established from bridging by multiplex in areas not bridged by stereoplanigraph. Work was done on 1:10,000 scale projections on vinylite. These in turn were used when setting up and plotting the Kelsh models.

23. ADEQUACY OF CONTROL

Horizontal control points were adequate for controlling the bridged strips. Sketch of control is attached. Except for the following, and those points discussed in letter to Chief, Division of Photogrammetry, dated 25 October 1956, all other points were held within 0.5 mm.

KING HOUSE, SOUTH GABLE, 1935 (T-11446) was probably misidentified as the geographic position plotted on the south gable of a house about one-quarter of a mile south of the identified point.

Sub Point ASHAWAY (Conn), 1937 (T-11443) could not be identified in the model. The image was too small.

Sub Point 2095 (CGS), 1939 (T-11445), identified by the field party, could not be used as they neglected to record the measurements thereto.

Ties with the Washington Office pass-points (Stereoplanigraph) on T-11443, were very good.

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

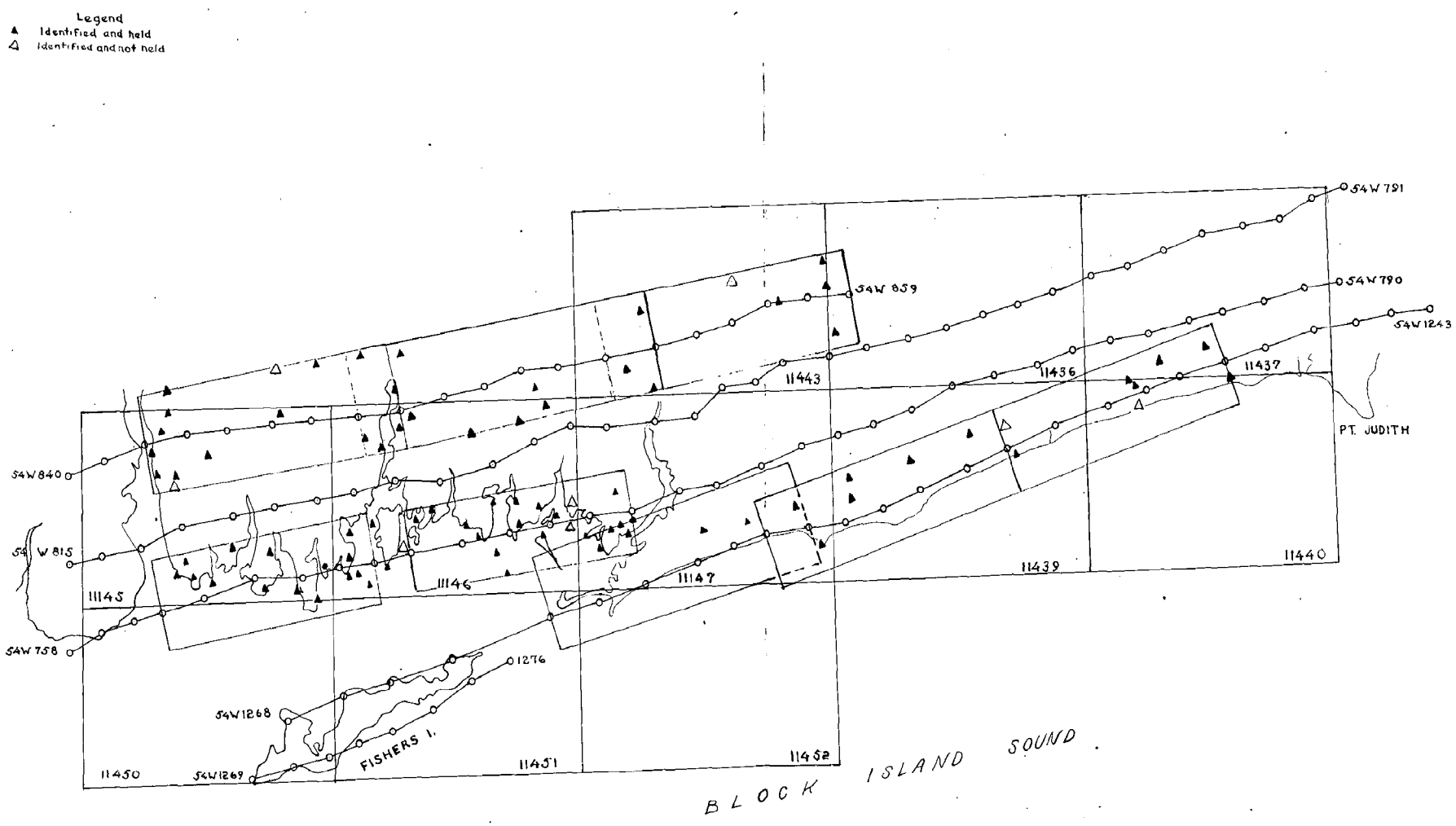
Photography was good. Coverage and overlap were adequate. Quality of the diapositives was good.

Respectfully submitted

Henry P. Eichert
Super. Carto.

SKETCH OF CONTROL

PROJECT Ph 142
BLOCK I. SOUND
MULTIPLEX BRIDGING



BALTIMORE DISTRICT OFFICE
518 East 32nd St., Baltimore 18, Maryland

25 October 1956

To: Chief, Division of Photogrammetry
Coast and Geodetic Survey,
Washington 25, D. C.

Subject: Supplementary Bridging, Project 27300 (6142)

The multiplex bridging needed to obtain additional pass points for our Kelsh models has now been completed. The results of the several strips run over the area appear satisfactory.

Horizontal control points were held in our bridges either on or within 0.5 mm. There were several points, nevertheless, which could not be held within this limit. Other control was adequate to prove that these several points were in error. These points not held were:

LATHROP, 1934 - This point was picked direct as the center of an offshore boulder (T-11445). The identified position plotted 0.6 mm southwest of its position.

DODGE, 1934 - Reference Mark No. 1 had been selected as the Sub. Pt. (T-11446). It was picked as the center of a boulder. The multiplex positions plotted 0.7 mm northeast of its position.

NO. 4 (USE), 1934 - Reference Mark No. 2 had been selected as the Sub. Pt. (T-11446). It was, also, picked as the center of a boulder. The multiplex position plotted about 2.0 mm southwest of its position.

TOWER NO. 6, 1943 - This point was picked direct and a Sub. Pt. also selected and identified (T-11440). Neither would hold. The identified position of the tower plotted about 1.5 mm northwest of its position and the Sub. Pt., 2.0 mm east.

CHARLESTOWN, U. S. NAVY AUX. AIR FIELD CONTROL TOWER, 1943 - The control tower as identified, would not hold (T-11439). Nevertheless, the geographic position held very well on what appeared to be a tower on another building, 6.0 mm southwest.

All field data was inspected and computations checked. A 0.6 mm mistake in the computation of Sub. Pt. DODGE was corrected, which still left the discrepancy of 0.7 mm as reported. No reasons for these discrepancies were discovered.

(Signed) E. H. Kirsch

E. H. Kirsch,
Capt. C&GS
Baltimore District Officer

k

Photogrammetry

1 of 2 Sheets

MAP T-11440 PROJECT NO. Ph-142 SCALE OF MAP 1:10000 SCALE FACTOR

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)
$B^1S^1_{1\ 1}$, 1943	1/81	1927	41-22-24.248	748.1	(1102.9)					
			71-35-53.464	1242.4	(151.9)		Not plotted - congested			
$B^1S^1_{6\ 6}$, 1943	1/81	"	41-22-24.941	769.4	(1081.6)		Not plotted - congested			
			71-35-49.368	1147.3	(247.0)					
$B^2S^2_{3\ 3}$, 1943	1/81	"	41-22-24.370	751.8	(1099.2)		Pricked direct			
			71-35-51.615	1199.5	(194.8)					
Carpenter (USE), 1909	1/117 499/8-9 19-21	"	41-22-29.300	903.9	(947.1)					
			71-32-48.277	1121.9	(272.4)					
Church Cupola, 1913	1/122 499/4-9-21	"	41-22-26.844	828.1	(1022.9)					
			71-32-28.388	659.7	(734.6)					
Green Hill, 1838 ~~1938~~	1/39 499/17	"	41-22-24.145	744.9	(1106.1)		Not plotted - congested			
			71-35-51.726	1202.1	(192.2)					
House Cupola (burn), 1939	1/132 nd	"	41-22-30.81	930.5	(900.5)		(Plotted on T-11437)			
			71-32-53.19	1236.0	(158.3)					
Main Br. C. Lt. 2, 1948	1/150 499/20-22	"	41-21-14.903	459.8	(1391.2)		Pricked direct			
			71-30-27.964	650.1	(744.6)					
Main Breakwater Center Light, 1912	1/122 499/22	"	41-21-14.942	461.0	(1390.0)		Not plotted			
			71-30-27.866	647.8	(746.9)					
South Beacon, 1912	1/123 499/20-22	"	41-21-16.365	504.9	(1346.1)					
			71-30-37.813	879.0	(515.7)					
Tower No. 6, 1943	1/80	"	41-21-55.474	1711.4	(139.6)					
			71-35-45.602	1059.8	(334.7)					
Point Judith Harbor of Refuge West Breakwater Light, 1948	1/150 499/22	"	41-21-55.710	1718.6	(132.4)		Pricked direct			
			71-30-54.886	1275.7	(118.8)					

1 FT. = .3048006 METER

COMPUTED BY: J. B. McDonald DATE 15 August 1955 CHECKED BY: J. Perrow DATE 17 August 1955

M-2388-12

Photogrammetry

MAP T-11440 PROJECT NO. Ph-142 SCALE OF MAP 1:10000 SCALE FACTOR 2 of 2 sheets

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)
Point Judith Harbor of Refuge Main Breakwater West Light, 1948	1/150 499/22	NA 1927	41-21-40.595	1252.3	(598.7)		Pricked direct			
			71-30-49.380	1147.8	(246.8)					
Point Judith Pond, Reflector, 1948	1/150	"	41-22-27.048	834.4	(1016.6)		Destroyed and rebuilt in 1955.			
			71-30-49.603	1152.7	(241.6)					
SS Point Judith Pond Reflector, 1948		"	41-22	1022.0	(829.0)					
			71-30	1144.3	(249.9)					
SS Carpenter (USE), 1909		"	41-22	887.8	(963.2)					
			71-32	1184.5	(209.8)					
SS Green Hill, 1838		"	41-22	764.4	(1086.6)					
			71-35	1237.5	(156.8)					
SS Tower No. 6, 1943		"	41-21	1741.2	(109.8)					
			71-35	1066.3	(328.2)					

1 FT. = .3048006 METER

COMPUTED BY: J. B. McDonald DATE 16 August 1955 CHECKED BY: J. Perrow DATE 17 August 1955

M-2388-12

COMPILATION REPORT
Project Ph-142
T-11440

31. DELINEATION

The Kelsh plotter was used for delineation on vinylite projections. The final manuscript was prepared in two halves by standard scribing methods. Field inspection was good.

Photographs or other information showing extent of hurricane damage have been received only for area including Matunuck Point and eastward. Changes have been made.

32. CONTROL

Horizontal control was adequate. Vertical control is inapplicable.

33. SUPPLEMENTAL DATA

None.

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. Low water lines are based on field inspection. Corrections from 1956 photographs where available were minor (56-W-1247 and 1248). Most of the shoreline appears not to have changed appreciably. Without the aid of new field inspection, other possible changes could not be made with certainty.

36. OFFSHORE DETAILS

See Item 49.

37. LANDMARKS AND AIDS

Point Judith Inner Breakwater Daybeacon has been omitted from Form 567. It was destroyed and also rebuilt in 1955. Consequently, there are three Aids and one Landmark on this survey.

38. CONTROL FOR FUTURE SURVEYS

A set of 1:10,000 ratio prints showing points for photo-hydro control has been prepared.

No topographic stations have been established.

39. JUNCTIONS

Junctions have been made as follows:

To the north with T-11437.
To the east with T-11441.
To the south in Block Island Sound.
To the west with T-11439.

40. HORIZONTAL AND VERTICAL ACCURACY

Correction of shoreline and other details may be required west of Matunuck Point because of hurricane damage.

41. through 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

USGS 7½ min. quad. Kingston, R. I., scale 1:31680, 1942.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 1211, scale 1:80,000 at Lat. 41° published Jan. 17, 1941, Rev. Aug. 15, 1955 (7th edition), 3/13/56.

Items to be applied to Nautical Charts immediately: None.

Items to be carried forward: None.

Respectfully submitted

Joseph D McEvoy

Joseph D. McEvoy
Cartographer

Approved and Forwarded 10/30/57

William F. Deane
William F. Deane
CIR C&GS
Baltimore District Officer

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-11440

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

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 D McEvoy — 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.

Compiler

Supervisor

43. Remarks:

M-2623-12

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Baltimore, Maryland, 24 October, 1957

I recommend that the following objects which have *(have not)* 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 Henry P. Eichert

William F. Deane *Chief of Party.*

STATE: RHODE ISLAND

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LT	Point Judith Harbor of Refuge Main Breakwater, Center Light		41 21	14.903 459.8	71 30	27.964 650.1	N.A. 1927	Triang. T-11440	1948	X	X		268, 1210, 1211
	(△ Main Breakwater Center Light 2, 1948)												
LT	Point Judith Harbor of Refuge Main Breakwater West Light		41 21	40.595 1252.3	71 30	49.380 1147.8	"	"	"	X	X		"
	(△ Point Judith Harbor of Refuge Main Breakwater West Light, 1948)												
LT	Point Judith Harbor of Refuge West Breakwater Light		41 21	55.710 1718.6	71 30	54.886 1275.7	"	"	"	X	X		"
	(△ Point Judith Harbor of Refuge West Breakwater Light, 1948)												

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.

49. NOTES FOR THE HYDROGRAPHER

A set of 1:10,000 ratio prints, showing detail points established for use in locating hydro signal sites, is included.

There are no recoverable topographic stations.

The area of Nebraska Shoal, not visible on the photographs, has not been located.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~NO BE DELETED~~
} STRIKE OUT ONE

Baltimore, Maryland 24 October, 1957

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

The positions given have been checked after listing by Henry P. Eichert

William F. Teane, *Chief of Party.*

STATE: RHODE ISLAND

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TOWER (CENTER OF THREE)	abandoned Coast Artillery fire control tower, ht = 58 (129) (△ B$^{2}_{3}$ S$^{5}_{3}$, 1943)		41 22	24.370 751.8	71 35	51.615 1199.5	N.A. 1927	Triang. T-11440	1943		x		1210

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. [illegible]

REVIEW REPORT T-11440
Shoreline
April 21, 1960

62. Comparison with Registered Topographic Surveys

91	1:10,000	1839
1271	"	1872
1226	"	1871
3388	1: 5,000	1913
5095	1:10,000	1948

The above surveys are superceded by the new manuscript in common areas for nautical chart construction.

63. Comparison with Maps of Other Agencies

USGS Kingston, R. I. 1:31,680 1942

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

1211 1:80,000 7 Ed. January 1941 8/24/59

66. Adequacy of Results and Future Surveys

This map complies with all instructions and meets the National Standards of Map Accuracy.

Hurricane "Carol" caused extensive damage to this area in late August 1954 after field inspection had been completed. The inspection was not revised.

Submitted by

A. K. Heywood

Approved

L. C. Lande, Chief
Review Section

~~L. M. Swanson, Chief~~ 4/3/62
Photogrammetry Division

Chief, Chart Division

Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-11440

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.