

8046

Diag. Cht. No. 1203-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. .... Office No. T-8046

LOCALITY

State Maine

General locality Penobscot Bay

Locality Northern Bay

1941-'46

CHIEF OF PARTY

R.A.Gilmore, Chief of Field Party

T.B.Reed, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE November 29, 1950

9-1870-1 (1)

8046

# DATA RECORD

T - 8046

Project No. (II): CS 272 D

Quadrangle Name (IV):

Field Office (II): Calais, Me.

Chief of Party: Ross A. Gilmore

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): April 1, 1942 (additional)

Copy filed in Division of

July 10, 1943 (Horizontal Control Requirements)

Photogrammetry (IV) *Office Files.*

March 18, April 11 & July 17, 1944 (supplemental) August 10, 1944

(additional) Aug. 26, 1944 (Amendment to Additional Instructions)

September 18, 1946 (Additional)

Method of Compilation (III): graphic

Manuscript Scale (III): 1:9740

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.02669

Date received in Washington Office (IV): *5-11-49*

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): *10-4-50*

Publication Scale (IV): —

Publication date (IV): —

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

~~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): LITTLE BALL, 1861

Lat.: 44° 29' 18.780" (579.7m)

Long.: 68° 44' 40.861" (902.9m)

Adjusted

~~Unadjusted~~

Plane Coordinates (IV):

State: *Maine*

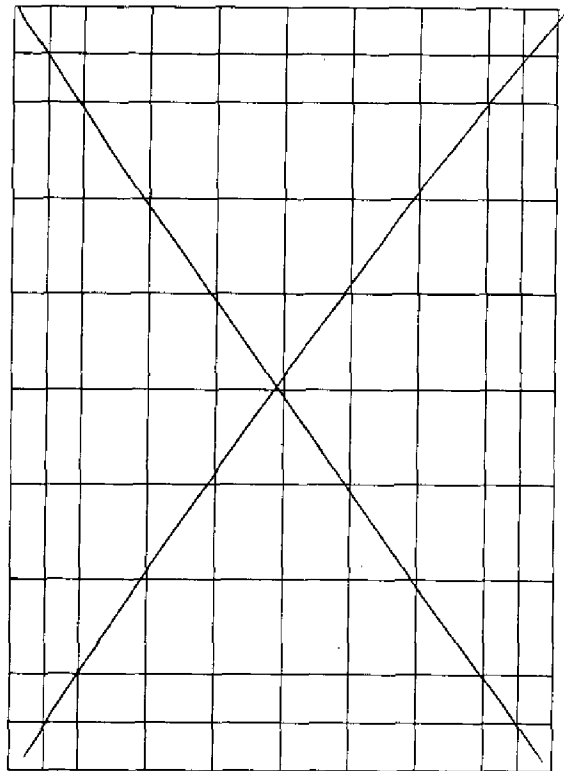
Zone: *East*

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.



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



# DATA RECORD

Field Inspection by (II): Wm. H. Shearouse, Roscoe J. French

Date: Oct. 1946

Planetable contouring by (II): *None*

Date:

Completion Surveys by (II): *None*

Date:

Mean High Water Location (III) (State date and method of location):

*Oct 1946 - photo-identification*

Projection and Grids ruled by (IV): J.T.

Date: 7/3/44

Projection and Grids checked by (IV): M.U.P. D.L.

Date: 7/5/44

Control plotted by (III):

Date:

Control checked by (III): A.C. Rauck, Jr.

Date: 7/7/44

Radial Plot of Stereoscopic

~~Control Extension~~ by (III): F.J. Tarcza

Date:

*6/30/48*

Stereoscopic Instrument compilation (III):

Planimetry —

Date:

Contours —

Date:

Manuscript delineated by (III): D.A. Maskell

Date: 3/7/49 to 4/19/49

Photogrammetric Office Review by (III): J.W. Vonasek

Date: 5/2/49 to 5/5/49

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

*Not applicable*

Date:



Camera (kind or source) (III): U.S.Coast and Geodetic Survey nine lens camera, focal length  $8\frac{1}{4}$ "

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
6872 to 6874 incl.	10/19/41	1032	1:9740	1.2' above MHW
6877, 6878	"	10:38		

Tide (III)

Reference Station: Portland, Me.  
Subordinate Station: Pumpkin Island, South Bay  
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	8.9	10.2
1.2	10.3	11.7

Washington Office Review by (IV): *L.M. Jajak*

Date: *July 1, 1949*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV): *L. Martin Jajak*

Date: *6-30-50*

Land Area (Sq. Statute Miles) (III): *4*

Shoreline (More than 200 meters to opposite shore) (III): 11 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 2 statute miles

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 1

Recovered: 1

Identified: 1

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 8

Number of Temporary Photo Hydro Stations established (III): 34

Remarks:

9708

**PROJECT NO.**

CS-272-D

SCALE OF MAP:

1:9740

SCALE FACTOR 1.02669

[illegible]

1 FT. = .3048006 METER  
A.L.C  
COMPUTED BY:

DATE 7/5/44

CHECKED BY: W. H. S.

DATE 7/5/44

M-2388-12



FIELD REPORT

SHORELINE MANUSCRIPT

PROJECT NO. CS-272-D  
Survey No. T-8046

For field data covering Survey No. T-8046 refer to the Season's Report 1946, Project No. CS-272-D, submitted by Ross A. Gilmore, Chief of Party. *Filed in Div of Photogrammetry General Files.*  
Project Report for CS-272 A to E.

## RADIAL PLOT REPORT

### PROJECT CS-272-D

SURVEYS NOS. T-8046 and T-8047

#### GENERAL DESCRIPTION

This radial plot includes the areas of surveys Nos. T-8046 and T-8047, two of the easternmost of a series of shoreline surveys in Project CS-272-D, located along the lower Penobscot River on the Coast of Maine.

#### PHOTOGRAPHS

Fifteen (15) U.S.C. & G.S. nine-lens photographs, taken with the nine-lens camera, focal length  $8\frac{1}{4}$  inches, at a scale of approximately 1:9,740, covered the area of this radial plot. The following photographs were used:

06867 to 06874 inclusive  
06876 to 06882       "

These photographs were partially prepared for radial plotting about four years ago before work on this project was discontinued due to lack of field inspection. Except for additional pass points added just before laying the radial plot, the symbols shown on the photographs for control and pass points are those used in 1944 and not in accordance with Instructions No. 12 (dated 17 March 1947).

#### CONTROL

Only one U.S. Coast and Geodetic horizontal control station was recovered by the Field Inspection Party in the area of this plot. This one, LITTLE BALL, 1861, was identified by a substitute point. One other station, BAGGADUCE, 1872, falls within the area and there is no record of its recovery or identification. Six additional horizontal control stations, in the area just to the west of Surveys Nos. T-8046 and T-8047, were used in this radial plot. Two of these were identified by substitute points and six were pricked direct on the photographs.

A sketch showing the distribution of control and photograph centers is attached to this report.

#### PROJECTIONS

The manuscript projections, furnished the compilation office for the



### PROJECTIONS (Continued)

area of this plot, were ruled with polyconic projections and Maine East State Grid on acetate, at a scale of 1:9,740. Base projection sheets with only the polyconic projections, on acetate, were also furnished and used for this radial plot.

Control was plotted and checked on the manuscript projections using beam compass and meter bar. Control was transferred to the base sheets by matching common polyconic projection lines.

### TEMPLATES

Vinylite templates were made of all photographs used in this radial plot.

### RADIAL PLOT

Since the two surveys Nos. T-8036, and T-8037, scale 1:9,740, adjoining the area of this radial plot on the west have been completed, their base sheets were joined to the base sheets of this plot and all pass points and photograph centers previously established were pricked thereon. The base sheet for Survey No. T-8035 was also ruled at a scale of 1:9,740, and was also attached to the others because the plot could reach one more control station thereby strengthening the southwestern area of this radial plot. The projection for Survey No. T-8048 to the south was ruled at a different scale and therefore could not be combined with this plot.

The flight along the western edge was laid first and had sufficient control, as well as previously established pass points to form a strong plot here. The flight to the east, photographs 06867 to 06874, was in the area without control stations and it was necessary to depend on pass points established from the other flight for control. Since only the western part of these surveys will be compiled, all photograph centers and all pass points necessary for actual compilation are believed to be within the required limits of accuracy.

The positions of all pass points and photograph centers were transferred from the plot directly to the manuscript projections by placing manuscripts over the completed plot and matching common projection lines. The positions of the pass points were then checked by orienting each photograph under its respective center on the manuscripts and observing whether the pass points were on the radial lines drawn through the image points on the photographs. All pass points were found to be correctly located.

### REMARKS

The plotted geographic positions of all control stations were held in the radial plot. It would have been desirable for this radial plot to have used control station BAGGADUCE, 1872, which was not identified. This

REMARKS (Continued)

part of the plot, especially along the southern side of Survey T-8047, is the weakest area. A search revealed no information on this control station other than its geographic position. After the approximate position was established by the radial plot, the photographs were re-examined under a stereoscope and it was found that BAGGADUCE, 1872, falls on top of a small high knob on a hill. From this, it is assumed that the positions established during the radial plotting are within the limits of accuracy in this weakest area of the plot, and hence quite accurate throughout the area of the radial plot.

It would have been desirable to include Survey T-8048 in this radial plot but that was not practicable because that survey was ruled at a different scale.

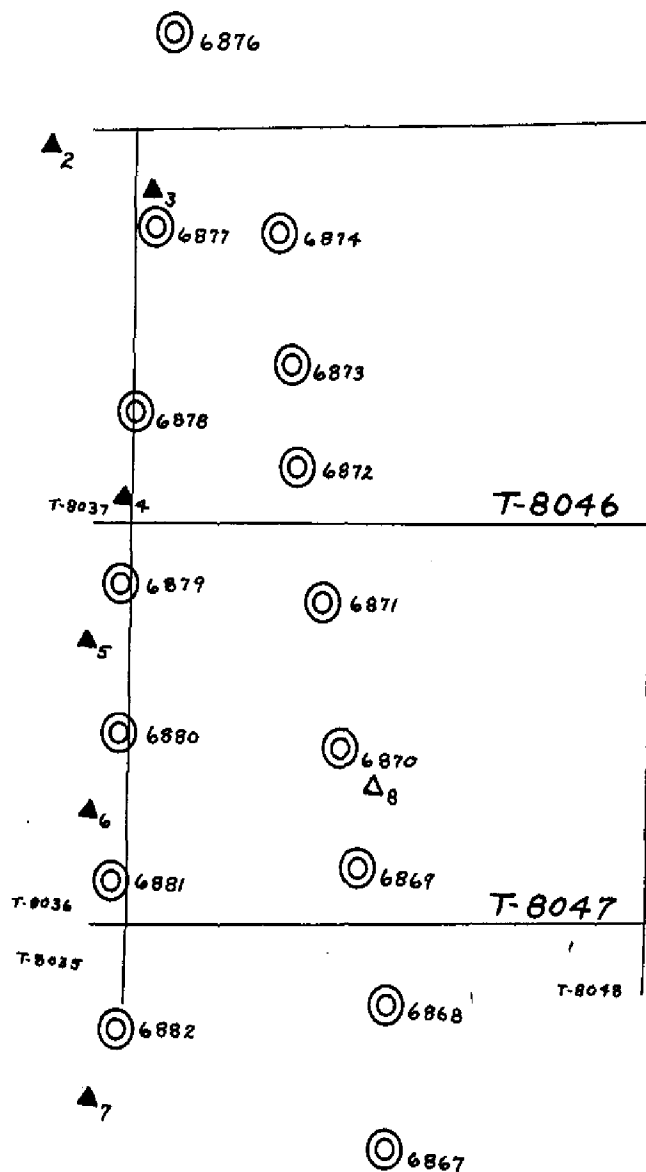
Respectfully submitted  
30 June 1948

Frank J. Maieza  
Cartographic Engineer

Approved and forwarded  
21 July 1948

Throbert  
Officer in Charge  
Baltimore Photogrammetric Office





### LEGEND

- ▲ TRIANGULATION STATIONS (IDENTIFIED ON PHOTOS)
- △ TRIANGULATION STATIONS (NOT IDENTIFIED)
- OFFICE PHOTOGRAPHS
- FIELD PHOTOGRAPHS

1. WHITMORE'S HOUSE, EAST CHIMNEY, 1863
2. TTIOPEK, 1942
3. LITTLE BALL, 1861 (SUB PT. BALL)
4. PENOBSCOT, 1872 (SUB PT. PEN)
5. JONES, 1863 (SUB PT. JON)
6. BROOKVILLE CHURCH SPIRE, 1863
7. JOHN B'S MOUNT, 1872
8. BAGADUOK, 1872 (Not Identified)

LAYOUT SKETCH  
PROJECT CS-272 D  
SURVEYS T-8046 and T-8047

787

COMPILATION REPORT

SHORELINE MANUSCRIPT

PROJECT NO. CS-272-D  
Survey No. T-8046

26. CONTROL

Only one station appears on this manuscript, namely, LITTLE BALL, 1861.

27. RADIAL PLOT

Refer to the radial plot report for the areas of Survey No. T-8046 and No. T-8047, submitted to the Washington Office 21 July 1948. *Filed in Div. Photogrammetry General Files*  
and now included in this descriptive report.

28. DELINEATION

The compilation is in accordance with Photogrammetry Instructions No. 17 dated 15 September 1947. *Filed in Div. Photogrammetry Office Files*

30. MEAN HIGH WATER LINE

No comment.

31. MEAN LOW WATER LINE

*See Review Report*

None shown.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

No comment.

33. WHARVES AND SHORELINE STRUCTURES

No comment.

34. LANDMARKS AND AIDS TO NAVIGATION

*See Review Report*

One daybeacon was located on field photograph 06873 by planetable method. Its position was transferred to the manuscript by direct pricking after carefully orienting the photograph. Form No. 567 for this aid will be submitted upon completion of surveys in Project CS-272-D. ✓

35. HYDROGRAPHIC CONTROL

Thirty-four photo hydro stations were located. A list of descriptions is attached to this report. Two copies have been furnished for the hydrographic party.

36. LANDING FIELDS AND AERONAUTICAL AIDS

None.



37. JUNCTIONS

This survey is bounded on the north and east by the project limits. Survey T-8037 to the west joins with T-8046. Since this junction is in an all interior area and not delineated a junction was not made.

Junction to the south with T-8047 was made and is in agreement.

38. GEOGRAPHIC NAMES

Geographic names were taken from U.S.C. & G.S. Charts No. 311 and 1203, and U.S. Geological Survey Blue Hill quadrangle. The list of <sup>approved</sup> names is attached to this report.

40. BRIDGES

None.

44. COMPARISON WITH EXISTING TOPOGRAPHIC SURVEYS

This map manuscript has been compared with U. S. Geological Survey quadrangle, Blue Hill, Me., scale 1:62,500, edition of 1944, and found to be in fair agreement.

44A. COMPARISON WITH PREVIOUS PLANIMETRIC SURVEYS

Previous survey No. T-1405a of the U. S. C. & G.S. is in the area of this survey but was not available for comparison.

45. COMPARISON WITH NAUTICAL CHARTS

This map manuscript has been compared with U.S.C. & G. Survey charts No. 311, scale 1:40,000, edition of June 1932, and No. 1203, scale 1:80,000, edition June 1936, and found to be in fair agreement.

The following topographic information shown on T-8046 is of sufficient importance to warrant immediate application to the chart:

None.

The following topographic details above the plane of mean high water are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:

None.

Low water features are shown in part and will be completed by the hydrographic party.

Respectfully submitted 20 April 1949

Don G. Jaskell  
Engineering Draftsman

Harry R. Rudolph  
Supervisor

Joseph W. Vonasek J.S.  
Cartographer  
Photogrammetric Office Reviewer

Approved and forwarded 13 May 1949

Thos B. Carr  
Officer in Charge  
Baltimore Photogrammetric Office



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

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED** } **STRIKE OUT ONE**

July 1, 1949

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 L. Martin Gazik

**S. V. Griffith**  
*Chief of Party.*

[illegible]

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

NOTES  
FOR  
HYDROGRAPHIC PARTIES

MAP MANUSCRIPT

PROJECT CS-272-D  
Survey No. T-8046

The 2½ millimeter circles, accompanied with a number, are the positions of the photo hydro stations. Two copies of the list of descriptions of the photo hydro stations have been furnished for your use.

Survey No. T-8046 has been compared with Nautical Charts No. 311 scale 1:40,000, edition of June 1932, and No. 1203, scale 1:80,000 edition June 1936, respectively, and found to be in good agreement.

The following topographic information shown on Survey No. 8046 is of sufficient importance to warrant immediate application to the chart:

None.

The following topographic details above the plane of mean high water are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:

None.


Low water features are shown in part and should be completed by the hydrographic party.

Minor cultural changes and shoreline details need no special discussion.

Respectfully submitted  
20 April 1949

  
Engineering Draftsman

Approved and forwarded  
13 May 1949

  
Officer in Charge  
Baltimore Photogrammetric Office

# DESCRIPTIONS

## PHOTO HYDRO STATIONS

PROJECT NO. CS-272-D  
Survey No. T-8046

No.	Photo. No.	Description
4601	6872	A large gray pyramidal shaped boulder 4 m from grassline on S side of head of Winslow Cove.
4602	6872	A large granite boulder with sharp top and highest in vicinity 14 m from head of small inlet NW of wharf.
4603	6872	The largest flat gray moss covered boulder 12 m from 20' dying spruce tree on small point.
4604	6872	The highest white granite boulder at N side of head of small inlet.
4606	6872	The highest boulder on Carpenter Point at MHWL
4607	6873	A lone 40' red oak tree 3' in diameter near water.
4608	6873	A granite boulder at base of gravel bluff. Largest white boulder on S shore at MHWL.
4609	6873	A granite boulder SE side of small rounded point at MHWL.
4611	6873	End of wooden rail fence, adjacent to water running down hill from NW side of farm house. SW side of Grindle Pt.
4613	6873	White granite boulder at base of 20' spruce. Largest one in area at MHWL.
4614	6873	White granite boulder on NE side of Wardwell Pt. near wood line at MHWL. Only one in area.
4615	6872	Highest boulder on the SE side of Winslow Island.
4616	6872	The largest white granite boulder midway between NE and NW tips on the N side of Winslow Island.
4617	6872	Lone 15' spruce on SW corner of island.
4619	6872	Large granite boulder at edge of tree line in swamp grass in front of large hardwood tree.
4620	6872	Largest granite boulder in center of rock ledge front of clump of birch at MHWL.
4621	6872	A 6' diameter white granite boulder with a vertical strip of red paint on it.



No.	Photo. No.	Description
4622	6872	Offshore large granite rock about 6' long top.
4623	6872	Highest pointed rock in ledge E of island.
4624	6879	Intersection of rock fill & MHWL.
4625	6879	Lone granite boulder on E bank of cove opposite rock break fill.
4626	6879	Northeastern most boulder on (huge white granite) NE tip Battle Island.
4627	6879	Farthest eastern large granite boulder in ledge off point of maples
4628	6872	Lone large granite boulder about 20 m from tree line.
4630	6872	Rock on tip of point off from cottage.
4631	6872	Large granite boulder on edge of grass line.
4633	6872	Large granite boulder in group of four with red and white stripes painted on it S of island.
4634	6872	Flat granite boulder off SE point of Sparks Island.
4635	6872	Large granite boulder off W tip Aunt Mollie Island.
4636	6872	Big granite boulder off open grassy point, north-westerly most rock.
4638	6872	Largest granite boulder on small rounded point opposite island.
4639	6872	Largest, highest, white granite boulder in group off point opposite island. Nearest tree line.
4640	6872	Largest granite boulder nearest spruce on point.
4641	6872	N gable of eastern section of white house.

Two points were rejected, as follows:

- ~~4610~~—~~6873~~ Small white granite boulder on tip of point at bottom of 25' sloping bank.
- ~~4632~~—~~6872~~ Large granite white top boulder on W side of island.

Listed by:

*Doris A. Maskeil*  
Doris A. Maskeil

Checked by:

*Joseph W. Vonasek*  
Joseph W. Vonasek

*J.W.*

## GEOGRAPHIC NAMES

T-8046

## Undisputed

- ✓ • Aunt Mollie Island
- ✓ • Battle Island ✓
- ✓ • Bridges Point ✓
- ✓ • Carpenter Cove
- ✓ • Carpenter Point ✓
- ✓ • Freethy Point ✓
- ✓ • Gravel Island ✓
- ✓ • Grindle Point ✓
- ✓ • Hutchings Point ✓
- ✓ • Littlefield Cove ✓
- ✓ • Littlefield Point ✓
- ✓ • Mill Stream ✓
- ✓ • Millstream School ✓
- ✓ • Northern Bay
- ✓ • Penobscot ✓
- ✓ • Pierce Pond ✓
- ✓ • Seneca Brook ✓
- ✓ • South Penobscot ✓
- ✓ • Sparks Island ✓
- ✓ • Tills Cove ✓
- ✓ • Wardwell Cove ✓
- ✓ • Wardwell Point ✓
- ✓ • Winslow Cove ✓
- ✓ • Winslow Creek ✓
- ✓ • Winslow Island ✓

\*\*\*\*\*

## Disputed

- ✓ • Hutchings Cove (Chart 311)
- Hutchins Cove (Blue Hill Quadrangle, USGS)

\*(Pending with USN.B.N)

• State No. 175

Names preceded by •  
are approved. 6-29-49  
L. HECK

\* Name pending as of 10-4-50.  
K.H.M.



Review Report  
Shoreline Manuscript T-8046

30 Mean Low-Water Line

According to the field notes <sup>areas in</sup> NORTHERN BAY and TILLS COVE bare at MLW, but since the MLW limits in these areas were not indicated; no information of this occurrence is carried on the manuscript.

34 Aids to Navigation

The geographic position of NORTHERN DAYBEACON 2 as determined by planetable method by the field party and that found on Chart 311 (January 1949), if they are the same, are not in agreement. Form 567, giving the position as found by the field party, was forwarded to the Nautical Chart Branch.

44 Comparison with Previous Topographic Survey

T-1405(a)	1:10,000	1875
T-1405(b)	1:10,000	1875

*T-8046 supersedes these surveys for nautical charting purposes.*

45 Comparison with Nautical Charts

Chart #1203	1:80,000	July 1948
Chart # 311	1:40,000	January 1949

No significant topographic differences were noted between the manuscript and the above listed charts.

47 Adequacy of Manuscript

The compilation is adequate and meets the required standards of map accuracy.

Reviewed by:

L. Martin Gazik  
L. Martin Gazik 7-1-49

Under the direction of:

A. V. Griffith  
Chief, Review Section R.R.M.

Approved by:

B.G. Jones 10/50  
Tech. Asst. to Chief,  
Division of Photogrammetry

M. Edmonson  
Chief, Nautical Chart Branch  
Division of Charts

E.H. Kusch  
Asst Chief, Div. of Photogrammetry

W.M. Scaife JH  
Chief, Div. of Coastal Surveys



## NAUTICAL CHARTS BRANCH

SURVEY NO. T-8046

### Record of Application to Charts

[illegible]

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.