11135

N&S

Diag. Chto Nos. 1203-2 and 1204-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-104 *Office No.* T-11135

LOCALITY

State Maine

General locality Muscongus Bay

Locality Allen and Monhegan Islands

194 53-55

CHIEF OF PARTY

Paul Taylor, Chief of Field Party
E.H.Kirsch, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE May 12, 1958

B-1870-1 (1)

11135

DATA RECORD

T - 11135

Project No. (II): Ph-104 Quadrangle Name (IV):

Field Office (II): Rockland, Maine Chief of Party: Paul Taylor

Photogrammetric Office (III): Balto. Photo. Office Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): 13 April 1953
29 April 1953 (Supplement I)
(711 aal, 3 March 1954
(73 mkl, 29 Dec. 1953)

Copy filed in Division of Photogrammetry (IV)

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

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III): 1:10,000

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): 29 Jan 1958

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA 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): MONHEGAN, 1858

Lat.: 43° 46' 16.297" Long.: 69° 18' 18.541" Adjusted ~~Unadjusted~~

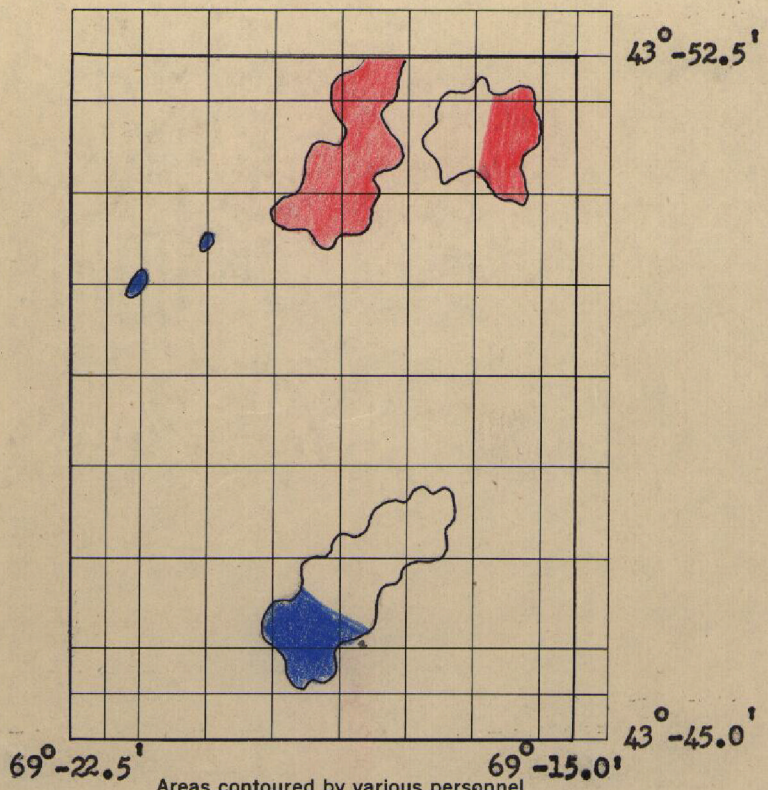
Plane Coordinates (IV): State: Maine Zone: east

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.

M-2618-12(4)



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

Contouring in blue: by Mr. John R. Smith
" " red: " Mr. Martin C. Moody

Area left blank: ~~to be done by Compilation Office~~
J. C. Richter (Kelsh Plotter)

M-2618-12(4)

DATA RECORD

Field Inspection by (II): Mr. John R. Smith, Carto. Surv. Aid
Mr. Martin C. Moody, Carto. Surv. Aid
Date: August, 1953

Planetable contouring by (II): Mr. John R. Smith, Carto. Surv. Aid
Mr. Martin C. Moody, Carto. Surv. Aid
Date: July-August, 1953

Completion Surveys by (II): Geo. E. Varnadoe
Date: August 1955

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

See Paragraph No. 35 of this report.

Projection and Grids ruled by (IV): Austin Riley
Date: 2 Oct. 1953

Projection and Grids checked by (IV): H. D. Wolfe
Date: 8 Oct. 1953

Control plotted by (III): E. H. Taylor
Date: 18 Dec. 1953

Control checked by (III): H. P. Eichert
Date: 18 Dec. 1953

Radial Plot or Stereoscopic Control extension by (III): E. L. Rolle
Date: 8 Jan. 1954

Stereoscopic Instrument compilation (III):
Planimetry J. C. Richter
Date: 5 Feb. 1954
Contours J. C. Richter
Date: 5 Feb. 1954

Manuscript delineated by (III): J. Y. Councill N/2
A. K. Heywood S/2
Date: 6 Apr. 1954
4 June 1954

Photogrammetric Office Review by (III): A. K. Heywood N/2
H. P. Eichert S/2
Date: 5 July 1954
5 July 1954

Elevations on Manuscript checked by (II) (III): A. K. Heywood
Date: 1 July 1954

Camera (kind or source) (III): U.S.G.S.Single lens 6" Focal Length.
U.S.C.&G,S. Single lens 6" Focal Length Type J.

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
GS-PE-1-179 - 1-184	4/3/53	11:03	1:10,000	5.6 above MLW
1-186 - 1-187	"	11:11	"	6.0 " "
52-J-2639 - 2643	7/13/52			At or about MLW
2558 - 2562	"			
2566 - 2568	"			
2609 - 2611	"			
3100 - 3107	"			

Tide (III)

Ratio of Ranges	Mean Range	Spring Range
1.0	8.8	10.1

Reference Station: Portland, Maine
Subordinate Station: Monhegan I
Subordinate Station:

Washington Office Review by (IV): John M. Neal Date: Feb 1956

Final Drafting by (IV): M. J. Day Date: 12-27-57

Drafting verified for reproduction by (IV): W.O. Hallum Date: 1-3-58

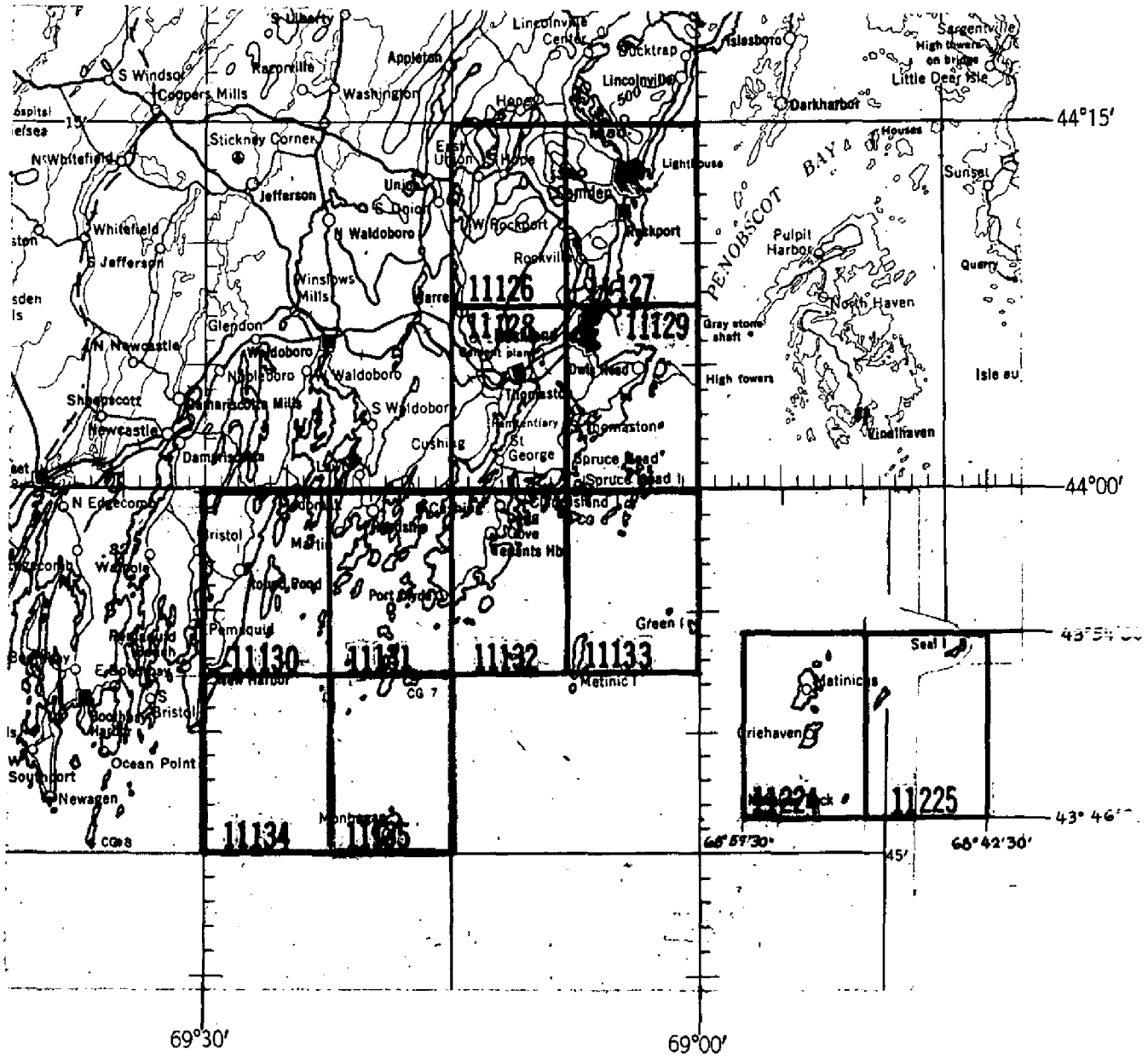
Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 3
Shoreline (More than 200 meters to opposite shore) (III): 12
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 4 Recovered: 3 Identified: 3
Number of BMs searched for (II): 6 Recovered: 6 Identified: 2
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

TOPOGRAPHIC MAPPING PROJECT PH- 104

ROCKLAND, MAINE and VICINITY



OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Sq. St. Miles	Lin. Miles Shoreline
11126	51	18
11127	27	25
11128	46	45
11129	14	30
11130	24	40
11131	15	57
11132	14	30
11133	3	17
11134	1	4
11135	3	12
11224	3	13
11225	1	7
TOTALS	202	298

FIELD INSPECTION REPORT
Quadrangle T-11135
Project Ph-104 (Section "A")

The phases listed below are in addition to those phases listed on pages 2 and 3:

Name and Title	Phase	Date
Joseph K. Wilson, Cartographer	Horizontal Control, Shoreline	August, 1953

2. AREAL FIELD INSPECTION

The quadrangle is comprised of a group of several islands which are about six miles off the mainland. Monhegan Island, the largest of the group, is one of the important landmarks for vessels bound along the coast. Monhegan is a village of fishermen and summer residents.

The U. S. Coast Guard maintains a light station on Monhegan, a fog signal station on Manana, and a lifeboat station at Burnt Island. The Coast Guard also has telephone communication connecting Whitehead Island and Burnt Island and from Burnt Island to Monhegan.

The large islands in this group are heavily wooded and are very sparsely settled with the exception of Monhegan. The shorelines along the islands are quite rocky, with high bluffs in places.

Single-lens photographs taken by the U. S. Geological Survey and low-water photographs taken by this Bureau were used. No difficulty was encountered in their interpretation.

3. HORIZONTAL CONTROL

(a) OLD MAN LEDGE DAYBEACON and DUCK ROCKS DAYBEACON were located by third-order methods and described on Form 525b.

(c) All stations were established by the U. S. Coast and Geodetic Survey.

(e) All Coast and Geodetic Survey stations, which were plotted on the project index, were recovered in good condition.

(f) Three stations were identified on the photographs.

4. VERTICAL CONTROL

(a) Six tidal bench marks, established by the U.S.C. & G.S. were recovered.

(b) Vertical control for the planetable contouring was provided by the water surface corrected for stages of tide from a special predicted tide curve.

Several additional elevations were requested by the photogrammetrist from Baltimore. These elevations were obtained by planetable using the vertical angle. Permanent level notes were retained.

(c) The first and last level points are 35-1 and 35-4.

5. CONTOURS AND DRAINAGE

The contouring was done by planetable on copies of loftrite prints of the planimetric maps, at an interval of ten feet. Parts of Monhegan and Burnt Island are to be contoured by stereoscopic instruments. The portion of Allen Island in this quadrangle has been contoured by planetable. Allen Island and Monhegan Island are about one hundred thirty feet above sea level. It was difficult to work these islands, since they were heavily wooded and had considerable underbrush. The topographer, however, has taken a great number of elevations and used the stereoscope regularly. It is believed the contours are of good quality.

There is little definite drainage found on the islands of this area. The terrain is generally rolling.

6. WOODLAND COVER

A field edit was made of the woodland in accordance with project instructions. Spruce trees are predominant on the larger islands.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline was inspected in accordance with project instructions. A field edit of the high-water line was made throughout the area and adequate notes made on the loftrite sheets. The low-water line, rocks awash, small islands, etc. have been delineated on the low-water photographs in red. Several islands which were not shown on the planimetric sheets have been added.

The U. S. Coast Guard submarine telephone cable has been shown on photographs 52-J-2558 and 52-J-3101.

8. OFFSHORE FEATURES

The low-water line was done by visual inspection at low-water. The entire area was inspected for additions.

9. LANDMARKS AND AIDS

(a) Three landmarks are recommended on Form 567 for charting. There are no new landmarks recommended.

(b) No interior landmarks are recommended.

(c) There are no aeronautical aids.

(d) Three fixed aids are listed on Form 567.

10. BOUNDARIES, MONUMENTS AND LINES

See Special Boundary Report, which will be submitted at a later date. Allen and Burnt Islands are in Knox County, while Monhegan Island is in Lincoln County.

11. OTHER CONTROL

Two previously established monumented topographic stations were recovered and reported on Form 524.

12. OTHER INTERIOR FEATURES

A field edit was made of the planimetric maps and any changes found have been noted on the loftrite sheets.

There are no bridges over navigable waters.

13. GEOGRAPHIC NAMES

See Special Geographic Names Report, which will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Special reports will be submitted for Geographic Names, Boundary Investigation, and Notes for the Coast Pilot.

25 September 1953
Submitted by:

Joseph K. Wilson
Joseph K. Wilson,
Cartographer

30 September 1953
Approved and Forwarded:

Paul Taylor
Paul Taylor
Commander, USC&GS
Chief of Party

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-11135 PROJECT NO. Ph-104 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	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)
BURNT ISLAND 2, 1934	G-4733 p. 20	N.A. 1927	43 51 57.478	1774.0	(77.8)					
			69 17 42.480	948.6	(391.2)					
1859 MONHEGAN LIGHT,	G-4733 p. 16	"	43 45 52.979	1635.1	(216.7)					
			69 18 58.816	1315.6	(26.5)					
MONHEGAN, 1858	G-6793 p.277	"	43 46 16.297	503.0	(1348.8)					
			69 18 18.541	414.7	(927.2)					
DUCK ROCKS, DAYBEACON 1953	Form 28B	"	43 46 34.814	1074.5	(777.3)					
			69 19 41.815	935.2	(406.7)					
OLD MAN LEDGE DAYBN, 1953	Form 28B	"	43 50 27.427	846.5	(1005.3)					
			69 18 56.202	1255.5	(84.8)					

1 FT. = .3048006 METER

COMM-DC-57843

COMPUTED BY: E. H. Taylor DATE 15 December 1953 CHECKED BY: H. P. Eichert DATE 18 Dec. 1953

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-11135 PROJECT NO. Ph-104 SCALE OF MAP 1:10,000 SCALE FACTOR

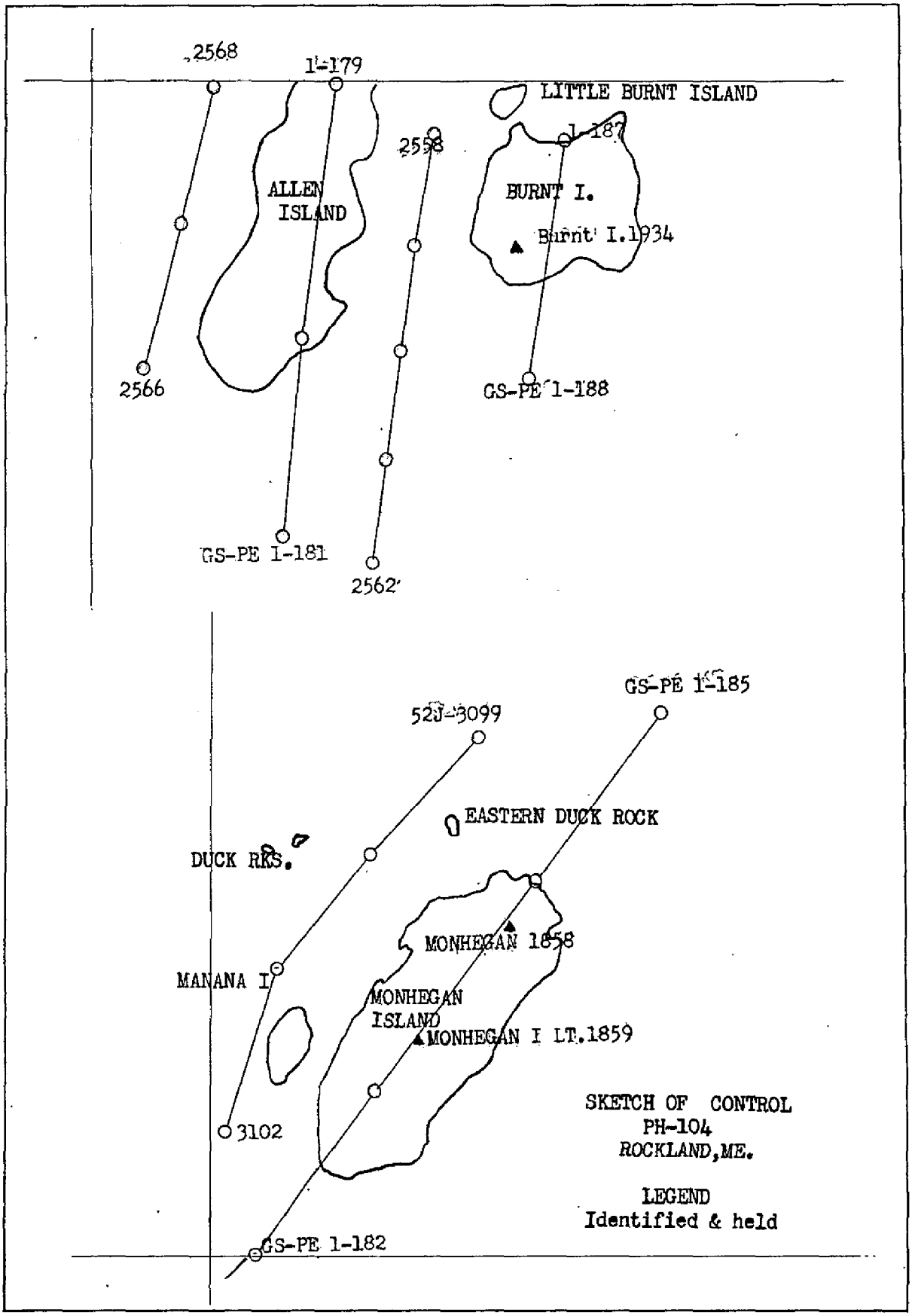
STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Sub. Sta. MONHEGAN, 1858	Office Comp.		21 634.25	498.1 (1025.9)			
			287 962.24	902.9 (621.1)			

- 10a -

1 FT. = .3048006 METER

COMM-DC-57843

COMPUTED BY E. H. Taylor DATE 16 Dec. 1954 CHECKED BY H. P. Eichert DATE 22 Dec. 1953


2568
1-179
LITTLE BURNT ISLAND
1-187
2558
ALLEN ISLAND
BURNT I.
Burnt I. 1934
2566
GS-PE 1-188
GS-PE 1-181
2562
GS-PE 1-185
523-3099
EASTERN DUCK ROCK
DUCK RKS.
MONHEGAN 1858
MANANA I
MONHEGAN ISLAND
MONHEGAN I LT. 1859
3102
GS-PE 1-182
SKETCH OF CONTROL
PH-104
ROCKLAND, ME.
LEGEND
Identified & held

COMPILATION REPORT
Project Ph-104
T-11135

Photogrammetric Plot Report

No separate photogrammetric Plot Report is to be submitted for this quadrangle. All side headings of the report applicable are covered adequately in the compilation report.

31. DELINEATION

Loftrite sheets of the plainmetric surveys at a scale of 1:10,000 were furnished by the Washington office. These planimetric surveys from Project CS-272-C were used as a base for the compilation. Revisions of culture, shoreline and addition of contours were accomplished by the Kelsh instrument. Information from the planimetric survey, revisions, contours from the Kelsh and contours furnished by the field party, were then composited and conventional manuscripts were prepared.

Field inspection was adequate.

32. CONTROL

The horizontal control was adequate and complied with project instructions. The base compilation plus the identified horizontal control was used in setting our models.

The land area consists of three main islands. The control (horizontal and vertical) will be discussed for each island separately.

Monhegan Island

Horizontal Control:

A small multiplex bridge was run on this island holding the following identified points: MONHEGAN ISLAND LT., 1959 and MONHEGAN, 1858.

Vertical Control:

The southern one-third of this island was contoured by the field party. Planetable elevations used in the compilation of these contours were used as level points in the compilation of the remainder of the island by Kelsh.

Allen Island

Horizontal Control:

Although this island was contoured in the field it was necessary to set the model to furnish detail points for the hydrographic party. There was no horizontal control on the island useful in setting the model and, consequently, the MHWL was used as horizontal control in the dropping of detail points.

32. CONTROL (cont'd)

Allen Island

Vertical Control:
See preceding page.

Burnt Island

Horizontal Control:
The model was held using the field identification of BURNT ISLAND 2, 1934 and office identification of the topo station, N. GABLE COAST GUARD HOUSE, 1943.

Vertical Control:
The eastern half of this island was contoured by the field and the western half contoured by the Kelsh using the planetable elevations as vertical control.

33. SUPPLEMENTAL DATA

Planimetric survey T-5620 for Project CS-272-C was used as a base for these manuscripts. All planimetry was accepted except where changes were either noted by the inspection party or obvious during compilation of contours.

34. CONTOURS AND DRAINAGE

The quality of both photographs and diapositives was fair.

Except in areas where contours were furnished by the field, as described in paragraph 32, all contours were delineated by the Kelsh.

35. SHORELINE AND ALONGSHORE AREAS

All shoreline was examined during compilation. In the absence of field inspection shoreline changes were kept to a minimum.

A low water line was furnished by the field party on low water photographs.

36. OFFSHORE DETAILS

Refer to paragraph No. 49 of this report.

37. LANDMARKS AND AIDS

There are three aids to navigation and three landmarks for charts within this survey area.

38. CONTROL FOR FUTURE SURVEYS

A list of recoverable topographic stations has been prepared and included in paragraph No. 49 of this report.

Refer to paragraph No. 20, Project Instructions dated 13 April 1953 and special instructions, 73-mkl, 29 December 1953, paragraph No. 10.

There are four topographic stations shown on this manuscript. The field party submitted cards for two recovered stations which were transmitted on 7 July 1954.

39. JUNCTIONS

Junction was made to the north with T-11131 S. The other edges of the sheet are bounded by water.

40. HORIZONTAL AND VERTICAL ACCURACY

See paragraph No. 32 of this report.

41. BOUNDARIES

Boundaries were compiled from information furnished by the field party on General Highway Maps of Lincoln County and Knox County scale 1/2" per mile.

42. - 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

U. S. G. S. quadrangle, Monhegan, Me., scale 1:62,500, Edition of 1906, reprinted 1950.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 313, scale 1:40,000, Feb. 1949, 10 Edition, 1/8/52.

Items to be applied immediately: None

Items to be carried forward: None

Respectfully submitted
16 July 1954

A. K. Heywood
Carto. (Photo.)

Approved and forwarded

E. H. Kirsch, Comdr. USC&GS
Officer in Charge
Baltimore Photo. office

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11135 N

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads AKH 28. Buildings AKH 29. Railroads ---- 30. Other cultural features AKH

BOUNDARIES

31. Boundary lines AKH 32. Public land lines ----

MISCELLANEOUS

33. Geographic names AKH 34. Junctions AKH 35. Legibility of the manuscript AKH 36. Discrepancy overlay AKH 37. Descriptive Report AKH 38. Field inspection photographs AKH 39. Forms AKH

40. _____ 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

48. GEOGRAPHIC NAMES

Allen Island
* Allen Shoal
Atlantic Ocean

Black Head
Burnt Head
Burnt Island

Christmas Cove

Deadman Cove
** Dry Ledges
Duck Rks

Eastern Duck Rk.

Georges Islands
Green Pt.
* Gull Rk. Ledge

Harpoon Ledge

Inner Duck Rk.

Knox Co.

Lincoln Co.
Little Burnt Island
Little Egg Rk.
* Little Egg Rk Shoals
Lobster Cove
Lobster Pt

Manana I
* Midway Rocks
Monhegan
Monhegan Harbor
Monhegan I
Muscongus Bay

Norton Ledge

Old Hump Channel
Old Man Ledge
Old Woman Ledge

Seal Ledges
Shark I
Smutty Nose I
* Sunken Duck Rk.

Wash Ledge (change from Rocks (ch 313))
White Head (change from Rocks (ch 313))

* Names marked thos deleted from manuscript to be restored with hydrography
JMM Feb '56

* Name from Chart 313 (Feature not shown on manuscript).

** From Chart 313.

Names approved, subject to Field Edit
9-3-54
A.A.W.

49. NOTES FOR THE HYDROGRAPHER

The following is a list of recoverable topographic stations which may be used as control for hydrography.

These are all carried forward from previous planimetric surveys

BULL, 1943
N. GAB., C. G. HOUSE, 1943
RADIO TOWER, 1943
WOLF , 1943

A set of photographs (scale 1:10,000) at or about low water has been prepared for use in hydrographic surveys and submitted with this report.

These photographs contain detail points which are common to those on the manuscripts.

*Chart sections are attached on which are indicated details to be proven, disproven or located in position.

* All details proven disproven or located in position by 1943-45 hydrographic surveys. Chart sec. removed from this report

orm . 6)
April 1945

U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Baltimore, Maryland 7 July 19 54

I recommend that the following objects which have (~~been~~) 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 A. K. Heywood

(Signed) E. H. Kirsch

E. H. Kirsch *Chief of Party.*

STATE	MAINE		POSITION										
			LATITUDE*			LONGITUDE*							
CHARTING NAME	DESCRIPTION	SIGNAL NAME	°	′	″ D.M. METERS	°	′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
BN	Black slatted tripod 47' high (△ Duck Rks. Daybeacon, 1953)		43	46	34.814 1074.5	69	19	41.815 935.2	NA 1927	T-11135 TRI	1953	×	x		313,1203, 1204
LT.	Monhegan Island Light (Conical Tower 178' high) (△ MONHEGAN LIGHT, 1859)		43	45	52.979 1636.1	69	18	58.816 1315.6	"	"	1859	×	x		313,1203, 1204
BN	Red Wheel & Pendants on Iron Spindle 28' high)(△ Old man Ledge Daybeacon, 1953)		43	50	27.427 846.5	69	18	56.202 1255.5	"	"	1953	×	x		313,1203, 1204

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.

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 7 July, 19 54

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 A. K. Heywood

E. H. Kirsch *Chief of Party.*

STATE: MAINE

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
TR	Skeleton Steel 47' (~~167'~~) (200) (△ BURNT ISLAND 2, 1934)		43 51	57.478 1774.0	69 17	42.480 948.6	NA 1927	Tri T-11135	1934	X	X		1203, 1204 313
TR	Skeleton Steel 125' (~~175'~~) (184)		43 45	47.86 1477	69 19	38.18 854	"	Photo Plot T-11135	1943	X	X		1203, 1204 313
CAB	C. G. No. 7 37' (52) N. Cab. Ch. Sta.		43 52	18.14 560	69 17	36.79 866	"	"	"	X	X		313, 1203

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

M-2836-3

Field Edit Report
Quad. T-11135

51. Methods. The islands were visited by boat. All roads and trails on Monhegan and Burnt Islands were walked out to check their location and classification, to classify buildings, to investigate questioned areas and to visually check contour shapes and planimetry.

Standard plane-table methods were used for testing the vertical accuracy of contours on Burnt Island. Elevations of the water level was determined from a tide curve, which was constructed from predicted tides. This method was used only during calm weather, with a calm sea.

No test was made on Monhegan Island as the Coast Guard furnished transportation to the island and time would not permit a test.

Field edit information is to be found on the following; 2 Discrepancy Prints; 2 Field Edit Sheets; 2 Photographs (ratio prints) Nos. GS PE-1-183 and 187 and 2 Low-water Photographs Nos. 52-J-3102 and 3104.

All additions, corrections and deletions have been made on the Field Edit Sheets or cross referenced there to the Photographs. Violet ink was used for corrections and additions. Green ink was used for deletions. A legend appears on each Field Edit Sheet, as to the color of ink used.

52. Adequacy of the Compilation. The Compilation will be adequate and complete after the application of the Field Edit Data.

53. Map Accuracy. No horizontal tests were made. Sixteen points on contours were tested for vertical accuracy, on Burnt Island. None of the points tested were in error as much as one half contour interval.

54. Recommendations. No recommendations are offered.

55. Examination of the Proof Copy. No one was asked to examine a proof copy of the manuscript.

Geographic names were discussed with two fishermen of the area and with the Officer in Charge of the Burnt Island Coast Guard Station. No discrepancies were noted.

Respectfully submitted,
10 August 1955
George E. Varnadoe
George E. Varnadoe
Photo. Engr.

TOPOGRAPHIC MAPPING

Summary & Abstract of Vertical Accuracy Test

Project No. Ph-104 Quad. No. T-11135 Quad. Name Monhegan
Method of Testing Plane-Table
Tested by GEV Date 8 Aug 1955 Evaluated by GEV.
Contour interval 10 ft. 1.22 M.M. allowable shift at 1: 10,000
map or manuscript scale.

16 Total number of points tested
100 % of points within ½ contour interval or better
16 Test points correct within ½ contour interval
0 Test points in error between ½ and full contour interval
0 Test points in error over full contour interval

Test Elev.	Map Elev.	Error	Error after shift	Remarks	Test Elev.	Map Elev.	Error	Error after shift	Remarks
10	10	0							
20	20	0							
33	30	3	2						
44	40	4	0						
53	50	3	0						
57	60	3	0						
71	70	1	1						
79	80	1	0						
86	90	4	1						
100	100	0							
108	110	2	0						
118	120	2	2						
128	130	2	0						
139	140	1	0						
148	150	2	0						
156	160	4	4						

M-2875-12

Summary to Accompany
Descriptive Report
T-11135

Topographic Map T-11135 is one of 12 similar maps in Project 6104. This map includes Monhegan I, Burnt I and most of Allen I. The shoreline and planimetry were compiled from T-5620 (dated 1941-45) and corrected to 1955 by means of 1952-53 photographs, field inspected in 1953, partial shoreline inspection and a complete field edit. Other field work preceding compilation included plane-table contouring and establishment of some vertical control (by plane-table) for instrument contouring. The manuscript is in 2 sheets, each 3-3/4' x 7.5' and at 1:10,000 scale. The map is to be published by the Geological Survey at scale 1:24,000 as a standard 7.5 minute topographic quadrangle. Registered copies under T-11135 will include 2 half-quadrangle cloth mounted prints at 1:10,000 scale, one designated as T-11135-N and the other T-11135-S, and a cloth mounted color print of the 7.5' quadrangle.

John M. Neal
February 1956

Review Report
Topographic Map
T-11135
February 1956

61. General Statement:

(See Summary)

62. Comparison with Registered Topographic Surveys:

T-960	1:20,000	1864
5620	1:10,000	1941-45

T-11135 supersedes both above surveys in common areas for use as source material for construction or maintenance of nautical charts. No major differences are noted except in cultural detail.

63. Comparison with Maps of Other Agencies:

Comparison was made with the SE/4 of USGS MONHEGAN, ME., 1/62,500 1906 (reprint 1950).

Considering differences in scale, dates of survey, contour interval and standards there are no significant differences except in interior detail. T-11135 supersedes the SE/4 of the above map.

64. Comparison with Contemporary Hydrographic Surveys::

H-6861	1:20,000 and 1:40,000	1943-44
6969	1:10,000	1944
6982	1:20,000	1944-45
6992	1:10,000	1944

All conflicts with above surveys have been resolved by the undersigned reviewer. The approximate low water line is nearly completely mapped by T-11135. Hydrography will be applied to this quadrangle prior to color separation drafting by the Geological Survey.

65. Comparison with Nautical Charts:

Chart 313	1:40,000	1949 (54-4/26)

No differences except in minor details of no significance to the chart.

66. Adequacy of Results and Future Surveys:

This map complies with all instructions and is adequate for use as a base for future hydrographic surveys. It complies with the National Standards of Accuracy as evidenced by the Field Edit Report.

Reviewed by:

John M. Neal

J. M. Neal

APPROVED:

L C Lounds

Chief, Review and Drafting Section
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Photogrammetry Division

Chief, Coastal Surveys Division

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11135

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	REMARKS
313	8-1-63	M. Rogers	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No.
1203 Recon	10-9-63	M. Rogers	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. Thru dwg of chart 313
1204	2/9/67	F. Pavlat	~~Full Part Before~~ After Verification Review Inspection Signed Via
			~~Drawing No.~~ Thru Chart 1203 dated 11/28/66
1204	6/14/72	D. Chapman	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. Thru Chart dwg 313 (reduction)
			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
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			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8588-P63