5978 5979

5978 5979

Diag. Cht. Nos. 289 & 1204-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. Ph-51 (49) Office No. T-5978 T-5979

LOCALITY

State MAINE

General locality KENNEBEC RIVER

Locality FROM TWO MILES NORTH OF RICHMOND

TO ONE AND A HALF MILES NORTH OF GARDINER

194 9

CHIEF OF PARTY

E.R.McCarthy,Chief of Field Party

H.A.Paton,Baltimore Photogrammetric Office

LIBRARY & ARCHIVES

DATE June 16 - 1953

B-1870-1 (1)

Photogrammetry

MAP T. 5978 PROJECT NO. Ph-51(49) 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)
	G- 6793 Pg.	N.A.	44 08 44.193				1364.0	(487.9)		
MESERVE, 1868	278	1927	69 44 29.047				645.6	(687.9)		
			44 10 27.530				849.7	(1002.2)		
TELEGRAPH HILL, 1868	" 276	"	69 44 43.236				960.5	(372.4)		
HAGAR, 1868	" 278	"	44 08 09.015				278.2	(1573.7)		
			69 46 07.034				156.4	(1177.3)		
WOODWARD, 1868	" 278	"	44 08 18.478				570.3	(1281.6)		
			69 46 01.931				42.9	(1290.8)		
ADKINS BARN, SO.	G- 6793		44 11 20.72				639.5	(1212.4)		
GABLE, 1868	Pg.285	"	69 45 47.87				1063.1	(269.4)		
* NITE, 1937(USE)	Plane Coord.		474,584.31				1397.3	(126.7)	Topo	
	Pg.121	"	607,261.22				689.2	(834.8)		
*BEACON, 1937(USE)	" P.120	"	484,245.21				1293.9	(230.1)	Topo	
			605,821.41				250.4	(1273.6)		
** POOR, 1937	"		495,000.38				0.1	(1523.9)		
(USE)	P.136	"	608,732.13				1137.6	(386.4)		
**FRANK, 1937(USE)	"		492,310.46				704.2	(819.8)		
	Pg.136	"	608,947.16				1203.1	(320.9)		
**L-37, 1937(USE)	"		485,052.92				16.1	(1507.9)	Topo	
	Pg.120	"	605,023.86				7.3	(1516.7)		
**NICE, 1937(USE)	"		494,119.67				1255.7	(268.3)		
	Pg.136	"	608,857.45				1175.8	(348.2)		

* Position held with other control in multiplex extension.

** Position not verified by multiplex. Point not identified.

1 FT. = .3048006 METER

COMPUTED BY: Henry P. Eickert DATE 1-50

CHECKED BY: Donald M. Brant DATE 1-50

M-2388-12

DATA RECORD

T - 5978
T - 5979

Project No. (II): Ph-51(49)

Quadrangle Name (IV):

Field Office (II): Washington, N. C.

Photogrammetric Office (III): Baltimore, Md.

Instructions dated (II) (III): 7 July 1949, 6 Dec. 1949

Chief of Party: E. R. McCarthy

Officer-in-Charge: Hubert A. Paton

Copy filed in Division of Photogrammetry (IV) Office Files

Method of Compilation (III): Multiplex plotting instrument

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): 4-11-50

Date reported to Nautical Chart Branch (IV): 4-18-50

Applied to Chart No.

Date:

Date registered (IV): 12-29-52

Publication Scale (IV): ———

Publication date (IV): ———

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.H.W.

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): LAPHAM, 1868

Lat.: 44° 12' 21.064"

Long.: 69° 45' 28.057"

Adjusted ~~Unadjusted~~

Plane Coordinates (IV):

State: Maine

Zone: West

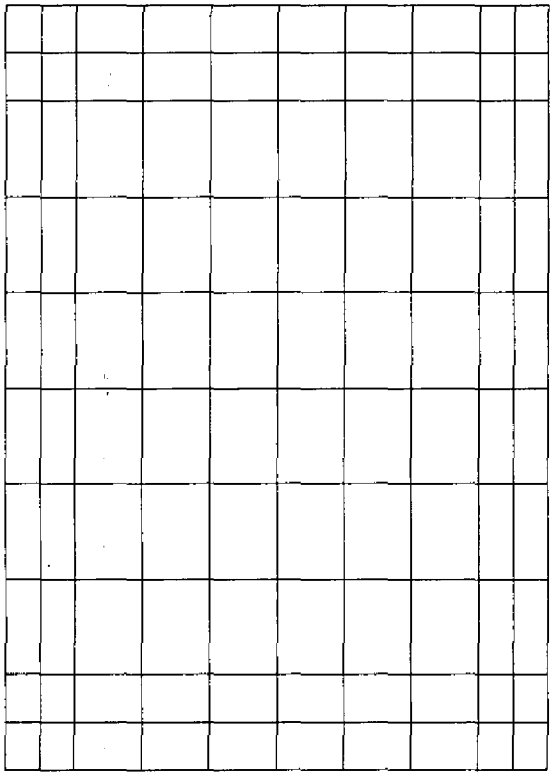
Y=

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)

DATA RECORD

Field Inspection by (II): James A. Clear, Harry R. Moore, Stanley D. Aiken, Robert A. Horn — Date: 8/29/49, 9/14/49

Planetable contouring by (II): —— — Date: ——

Completion Surveys by (II): —— — Date: ——

Mean High Water Location (III) (State date and method of location):
5/10/49 (date of photography)

Projection and Grids ruled by (IV): T.L.J. — Date: 12/2/49

Projection and Grids checked by (IV): T.L.J. — Date: 12/2/49

Control plotted by (III): D.M.Brant — Date: 1-50

Control checked by (III): A.K.Heywood T-5978, H.P.Eichert T-5979 — Date: 1-50, 1-50

~~Radial Plot~~ or Stereoscopic
Control extension by (III): D.M.Brant — Date: 1-50

Stereoscopic Instrument compilation (III): Planimetry D.M.Brant — Date: 1-50

~~XXXXXXXX~~ — Date:

Manuscript delineated by (III): D.M.Brant — Date: 3-50

Photogrammetric Office Review by (III): A.K.Heywood — Date: 3-50, 4-50

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

M-2618-12(4)

Camera (kind or source) (III): USC&GS Type O, 6" focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
49-0-715 to 719	5/10/49	1455-57	1:24,000	4.2' above MLW
49-0-720 to 722	5/10/49	1458-59	1:24,000	2.5' above MLW

Tide (III)

(from predicted tables

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	Portland, Me.	1.0'	8.9'	10.2'
Subordinate Station:	Richmond, Me.	0.6	5.3	6.0
Subordinate Station:	Gardiner, Me.	0.6	5.0	5.7

Washington Office Review by (IV): K. N. Maki Date: Jan. 22, 1951

Final Drafting by (IV): E. Hunter (5978) Date: April 16, 1952
E. Hunter (5979) April 16, 1952

Drafting verified for reproduction by (IV): M. C. Webber (5978) Date: June 11, 1952
" (5979) June 11, 1952

Proof Edit by (IV): Date:

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

Shoreline (More than 200 meters to opposite shore) (III): 8.9

Shoreline (Less than 200 meters to opposite shore) (III): 2.4

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 31 Recovered: 25 Identified: 12

Number of BMs searched for (II): 3 Recovered: 3 Identified: 3

Number of Recoverable Photo Stations established (III): 5

Number of Temporary Photo Hydro Stations established (III): none

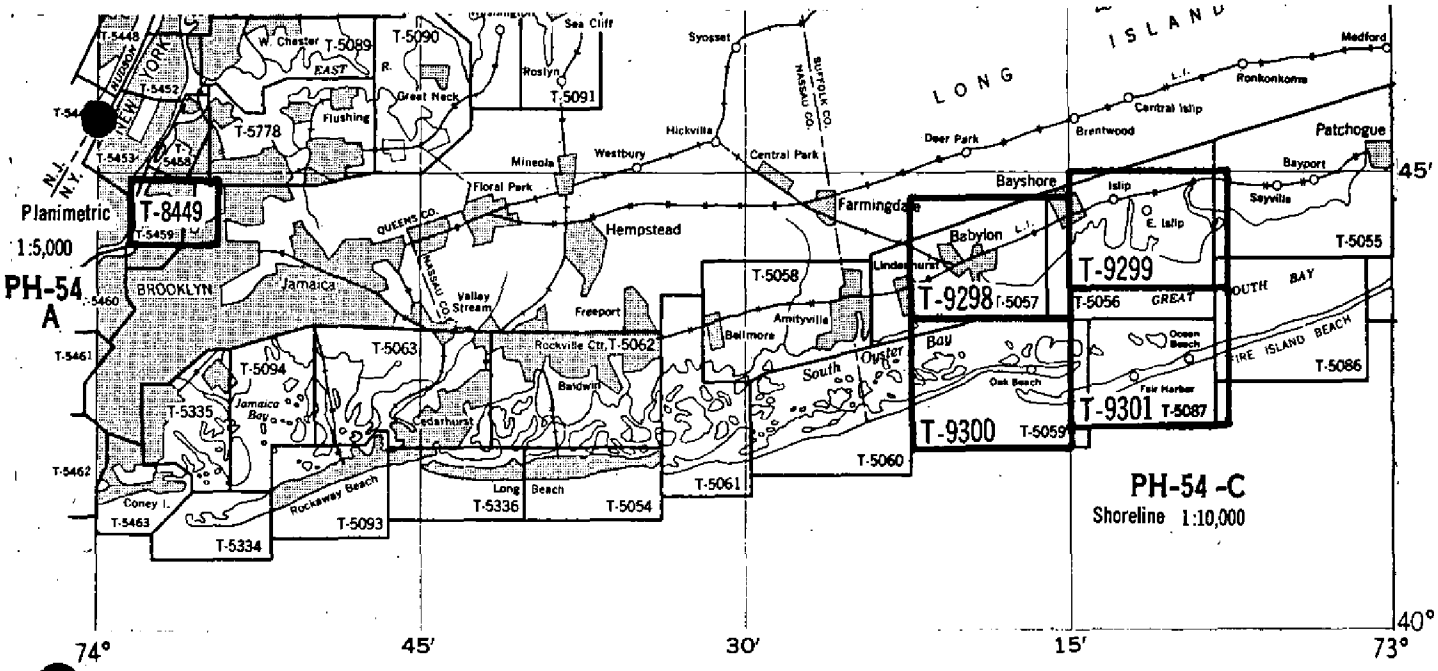
Remarks:

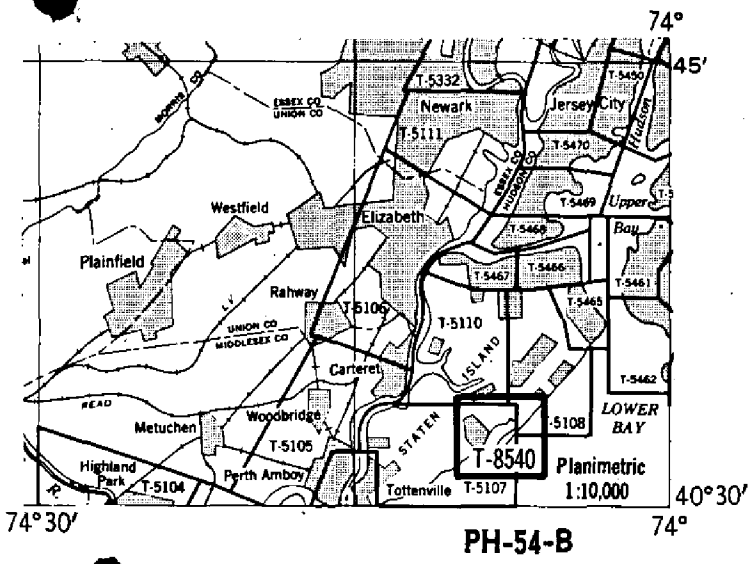
M-2618-12 (4)

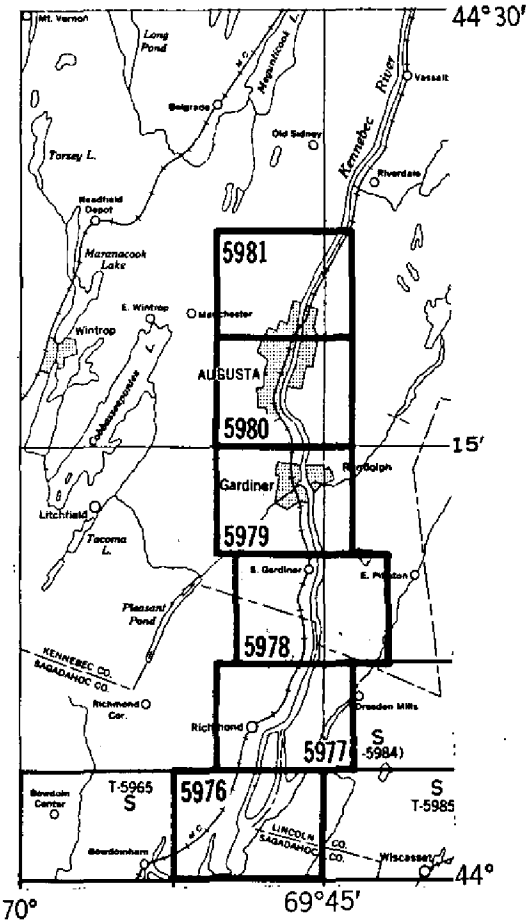
PLANIMETRIC AND SHORELINE MAPPING PROJECT

PH-54 (49) PH-51 (49)

NEW YORK, Long Island, and Staten Island







PH-51 (49)

MAINE, Kennebec River

SHORELINE

1:10,000

Summary to Accompany T-5978 and T-5979

Shoreline maps T-5978 and T-5979 are two of six similar maps in project Ph-51(49 and are the two centrally located maps in the project. Project Ph-51(49) extends along the Kennebec River, Maine, from a junction with project CS-272 at latitude 44° 00' upstream to a point approximately two miles north of Augusta at latitude 44° 23'. This is a multiplex project, in advance of hydrographic surveys to be made at a later date. The field operations preceding compilation included recovery and identification of horizontal control, shoreline inspection, inshore inspection, location of aids to navigation, selection and location of landmarks and geographic names investigation. The multiplex compilation was at a scale of 1:10,000 and the manuscripts were used as multiplex sheets.

Data pertaining to T-5978 and T-5979 will be filed as follows:

(a) Filed in the Division of Photogrammetry

1. Two map manuscripts, T-5978 and T-5979, scale 1:10,000

2. Form 524 (6)

(b) Filed in the Coast and Geodetic Survey Archives

1. Combined descriptive Report for T-5978 and T-5979

2. A cloth-backed lithographic print of T-5978 and T-5979.

FIELD INSPECTION REPORT
SHORELINE SHEETS 5978, 5979
PROJECT Ph-51(49)

E. R. McCarthy, Chief of Party

All phases of the field work were done in accordance with The Director's Instruction, Project Ph-51(49), Field dated 7 July 1949.

The field work on these sheets was performed by the following personnel on the dates indicated:

Name & Title	Field Work	Dates
Robert A. Horn Cartographic Engr.	Recovery, Identification, Shoreline & Inspection	8/29/49 9/14/49
James A. Clear Jr. Cartographic Survey Aid	Shoreline & Inspection	8/29/49 9/14/49

1. Description of the Area

The area surveyed includes the Kennebec River from the "Bluff" on the south, to "Brown's Island" on the north and the land area immediately adjacent. This particular area is located in the counties of Sagadahoc, Lincoln and Kennebec.

The principal cultural features within the limits of the survey includes the towns of Gardiner, Randolph and South Gardiner Maine. The principal occupation of the inhabitants of the area is farming. There is however, some manufacturing conducted in the vicinity of Gardiner.

Access to the area is available by highway, the Maine Central Railroad and Private Yachts.

2. Completeness of Field Inspection

It is felt that field inspection has been adequately covered on the photographs.

3. Interpretation of the Photographs

See Report on Shoreline Sheets (5976 & 5977).

4. Horizontal Control

The horizontal control within the limits of the sheets consisted of that established by the U. S. Coast & Geodetic Survey, U. S. Engineer Department and U. S. Geological Survey.

A thorough search was made for all U. S. Coast & Geodetic Survey stations and approximately 67 percent recovered. A total of seven (7) U. S. C. & G. S., four (4) U. S. E. D. and one (1) U. S. G. S. triangulation stations were recovered and identified on photographs for photogrammetric control purposes.

Sheet 5979

U.S.C.&G.S.

LAPHAM - 1868.....Sub. Station
DUMFRY - 1868.....Sub. Station
ADKINS BARN, SOUTH GABLE- 1868.....Pricked Direct
GARDINER METHODIST SPIRE - 1868.....Pricked Direct
GARDINER EPISCOPAL SPIRE- 1868.....Pricked Direct

U.S.E.

BOOBY - 1937 (U.S.E.).....Pricked Direct
FORM - 1937 (U.S.E.).....Pricked Direct

U.S.G.S.

T T 81 H O - 1940 (U.S.G.S.).....Pricked Direct

Sheet 5978

U.S.C.&G.S.

TELEGRAPH HILL - 1868.....Sub. Station
MESERVE - 1868.....Sub. Station

U.S.E.

BEACON - 1937(U.S.E.) .....Pricked Direct
NITE - 1937(U.S.E.).....Pricked Direct

Horizontal Control (Cont'd)

To facilitate a "tie" between the U. S. Engineers scheme of triangulation and that of the U. S. Coast & Geodetic Survey in the area, observations for a point and azimuth connection were made. This information will be submitted to the Division of Geodesy for any adjustments necessary.

5. Vertical Control

Three (3) Tidal Bench Marks, Maine- 68 (U. S. Coast and Geodetic Survey), located in the town of Gardiner Maine, were recovered and identified according to Project Instructions.

6. Contours and Drainage

Not applicable.

7. Mean High Water Line

See Report on Shoreline Sheets (5976 & 5977).

8. Low Water Line

See Report on Shoreline Sheets (5976 & 5977).

9. Wharves and Shoreline Structures

See Report on Shoreline Sheets (5976 & 5977).

10. Details Off-Shore from Mean High Water Line

Off-Shore detail discernible on the photographs has been labeled appropriately. In some areas, due to the number and extent of obstructions, the limits of an entire area are shown and marked as being foul. Two, Three-Point Fixes were taken on boulders and the information submitted.

11. Landmarks and Aids to Navigation

There were no landmarks or fixed aids to navigation within the limits of these sheets. Three new landmarks were established and forms 524 and 567 were submitted.

The Maine Central Railroad is very close and generally parallel to the river. Railroad semaphores were identified on the photographs and may serve as secondary landmarks.

12. Hydrographic Control

Not applicable.

13. Landing Fields and Aeronautical Aids

There are no landing fields or aeronautical aids in this area.

14. Roads

The roads and trails were classified in accordance with Photogrammetry Instructions No. 10, dated 14 April 1947, and the Ammendment to the above dated 24 October 1947.

15. Bridges

All bridge information for the area covered by this report as listed in the U. S. Engineer's "List of Bridges over Navigable Waters in the U. S." dated July 1, 1941 was verified in the field, all clearances were carefully measured with a steel tape, and the published descriptions and clearances were found to be correct. In addition supplementary information is noted on the photographs relative to the clearances of secondary bridges not listed in the bridge book.

16. Buildings & Structures

See Report on Shoreline Sheets (5976 & 5977).

17. Boundary Monuments and Lines

There were no boundary monuments or lines investigated within the limits of the sheets.

18. Geographic Names

In accordance with the Project Instructions, a systematic investigation of Geographic Names was not made, however names that were questionable have been investigated. See 18 a+b

Geographic Names (Cont'd)

Attention is called to the names of "Poll Laws" and "Gould Brooks" as given on Chart No. 289. Local information revealed that said names are no longer used. They are now known merely as "The Brook". Refer to attached list of approved names. (item 48 A)

Submitted:
Date 9/14/49

James A. Clear Jr.
James A. Clear Jr.
Cartographic Survey Aid

R. A. Horn
R. A. Horn
Cartographic Engr.

PHOTOGRAMMETRIC PLOT REPORT

21. AREA COVERED

T-5978 and T-5979.

22. METHOD

General methods were identical with those used for T-5976 and T-5977.

Two strips were set, one each for T-5978 and T-5979, as follows:

A five-model strip (49-0-717 to 722) was run from SUB.PT. LAPHAM, 1868, SUB. PT. DUMFRY, 1868, and TT81-HO,1940(USGS) in model 717-718 to SUB. PT. MESERVE, 1868, in model 721-722. Intermediate stations were SUB. PT.TELEGRAPH HILL, 1868, and ADKINS BARN, SOUTH GABLE,1868. All stations were held. USE stations BOOBY, 1937, BEACON, 1937, and NITE, 1937 also held in this strip, the latter two being in the end model with MESERVE, south of TELEGRAPH HILL.

To complete the detailing in T-5979 a short three-model strip was set. Model 717-718 was reset and extended to 49-0-715. This strip ended on two control points, SUB. PT. WORK, 1937 (USE) and FORM' 1937 (USE). The center model contained two control points, GARDINERS METH. SPIRE, 1868, and GARDINERS EPISCOPAL SPIRE, 1868. All control was held.

23. ADEQUACY OF CONTROL

Horizontal control as provided by the field inspection party complied adequately with the project instructions.

24. SUPPLEMENTAL DATA

Inapplicable.

25. PHOTOGRAPHY

See Photogrammetric Plot Report for T-5976 and T-5977.

26. RECOMMENDATIONS

See Photogrammetric Plot Report for T-5976 and T-5977.

27. ACCURACY

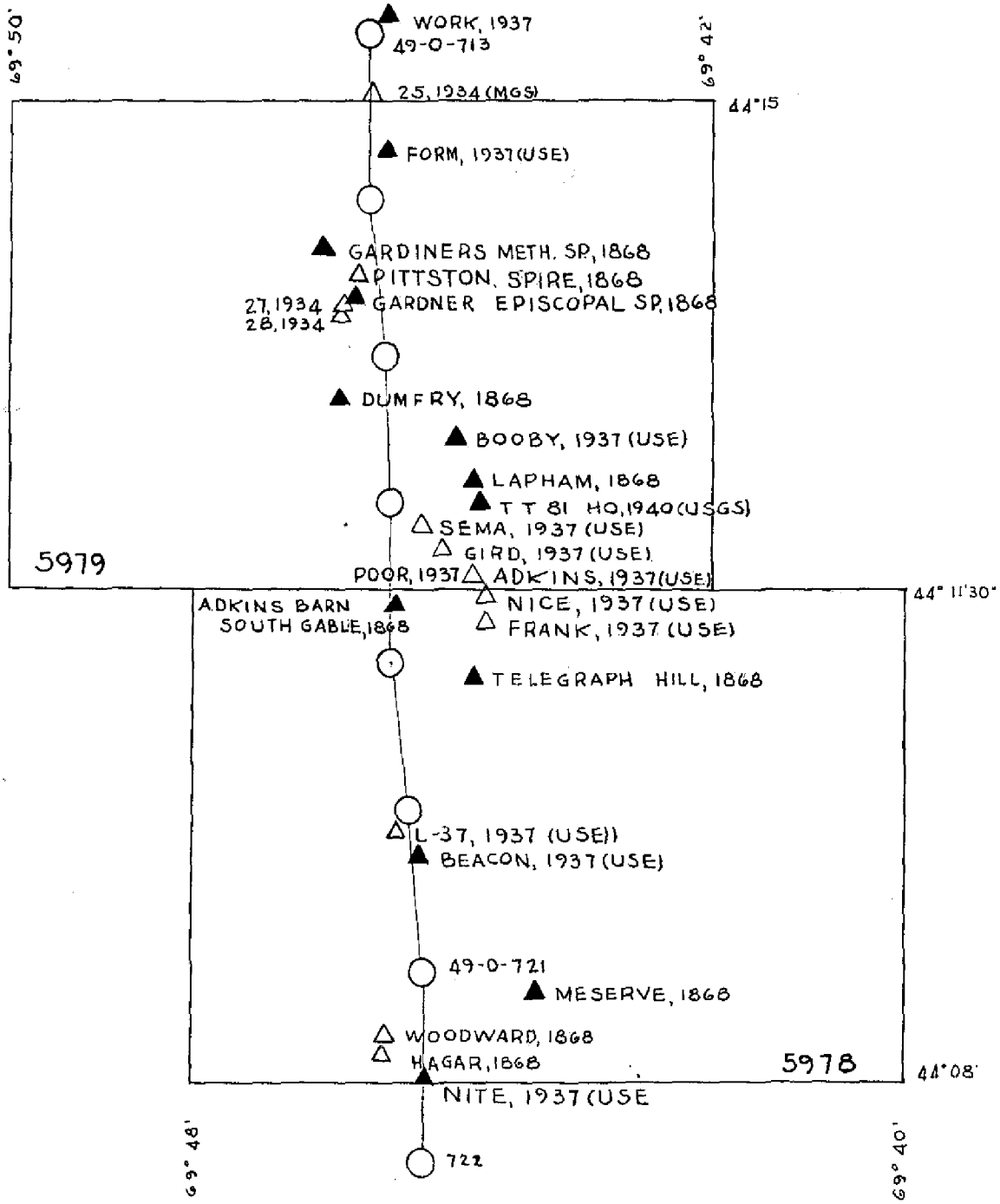
It is believed that all well-defined points are within 0.5mm of their correct geographic position.

Approved and forwarded

Hubert A. Paton
Comdr., USC&GS
Officer in Charge

Respectfully submitted
15 March 1950

Henry P. Eichert
Cartographer (Photo.)



HORIZONTAL CONTROL STATIONS

PROJECT PH-51(49)

KENNEBEC RIVER, MAINE

△ Triangulation Station (Recovered, not identified)

▲ Triangulation Station (Identified and held)

Photogrammetry

MAP T-5979 PROJECT NO. Ph-51(49) 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)
IRON HILL, 1868	G-6793 Pg.276	N.A. 1927	44 12 45.391				1401.0	(450.9)		
			69 47 07.351				163.2	(1168.8)		
~~PITTSTON SPIRE, 1868~~	~~G-6793 Pg. 281~~	~~"~~	~~44 13 50.822~~	Note: This station is destroyed as a triangulation station but can be used for photo-control purposes. For additional info. see 1949 Recovery Note.			~~1568.6~~	~~(283.3)~~		
			~~69 45 56.192~~				~~1247.1~~	~~(84.5)~~		
ADKINS BARN, SO. GABLE, 1868	G-6793 Pg.285	"	44 11 20.72				639.5	(1212.4)	Plots on sheet T-5978	
			69 45 47.87				1063.1	(269.5)		
LAPHAM, 1868	" P.281	"	44 12 21.064				650.1	(1201.8)		
			69 45 28.057				622.9	(709.3)		
DUMFRY, 1868	" P.279	"	44 12 53.984				1666.2	(185.7)		
			69 46 31.935				709.0	(622.9)		
GARDINERS METH. SPIRE, 1868	" P.280	"	44 13 55.861				1724.1	(127.8)		
			69 46 32.581				723.1	(608.5)		
GARDINERS EPISCOPAL SP. 1868	" P.280	"	44 13 39.114				1207.3	(644.6)		
			69 46 30.477				676.4	(655.3)		
TT 81-HO, 1940 (USGS)	USGS GARDINER P.6	"	44 12. 14.32				442.0	(1409.9)		
			69 45 14.93				331.5	(1000.7)		
BOOBY, 1937 (USE)	Plane Coord. P.135	"	502,099.15				639.8	(884.2)		
			606,400.63				426.9	(1097.1)		
FORM, 1937 (USE)	" P.133	"	514,821.25				1469.5	(54.5)		
			603,968.19				1209.5	(314.5)		
ADKINS, 1937 (USE)	" Pg.135	"	496,143.40				348.5	(1175.5)		
			607,308.69				703.7	(820.3)		
GIRD, 1937 USE)	Plane Coord. P.135	"	497,399.25				731.3	(792.7)		
			606,456.39				443.9	(1080.10		

1 FT. = .3048006 METER

COMPUTED BY: Henry P. Eichert DATE 1-50

CHECKED BY: Donald M. Brant D.M.Brant DATE 1-50

M-2388-12

15

Photogrammetry

MAP T- 5979 PROJECT NO. PH-51(49) 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)
SEMA,1937(USE)	Plane Coord. P.135	N.A. 1927	498,489.74				1063.7	(460.3)		
			605,890.28				271.4	(1252.6)		
25,1934 (MGS)	CWA P.6	"	516,822.70				555.6	(968.4)	Plots on sheet	
			603,301.30				1006.2	(517.8)	T-5980	
27,1934(MGS)	"	"	508,381.36				1030.6	(493.4)		
			602,556.56				779.2	(744.8)		
28, 1934 (MGS)	"	"	507,951.71				899.7	(624.3)		
			602,430.61				740.9	(783.1)		

1 FT. = .3048006 METER

COMPUTED BY: Henry P. Eichert DATE 1-50

CHECKED BY: D.M.Brant DATE 1-50

M-2388-12

COMPILATION REPORT

Ph-51(49)

T-5978 and T-5979

31. DELINEATION)
) Refer to Photogrammetric plot report.
32. CONTROL)

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Drainage adjacent to shoreline was shown.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was adequate. All low-water lines shown are approximate. They are based on data furnished by the field inspection party.

36. OFFSHORE DETAILS

Offshore details are believed to be complete.

37. LANDMARKS AND AIDS

Forms 567 were submitted for manuscripts T-5978 and T-5979 and forwarded to the Washington Office with this report. Copies attached.

38. CONTROL FOR FUTURE SURVEYS

Three USE triangulation stations are below Telegraph Hill, 1868; two of these stations were identified and held with the other control. These stations have been reported as recoverable topographic stations in accordance with instructions dated 6 December 1949 for Project Ph-51 (49), paragraph 6 and their geographic positions noted on Forms 524.

Six ~~Five~~ recoverable topographic stations are within the limits of T-5978 and T-5979.

Six ~~Five~~ Forms 524 are being forwarded with this report. The positions for all the recoverable topographic stations, except Beacon, 1937 and Nite 1937 were determined by stereoscopic methods. They are:

T-5978 Beacon, 1937 (U.S.E.)
" Nite, 1937 (U.S.E.)
T-5979 ~~White~~ Stack, 1949
T-5978 Gable, ~~South~~, 1949
" ~~Red~~ Stack, 1949
" L-37, 1937 (U.S.E.)

39. JUNCTIONS

Junction was made between T-5979 and T-5980 to the north, and between T-5978 and T-5977 to the south. A junction was also made between the two manuscripts covered in this report. There are no contemporary surveys to the east or west.

40. HORIZONTAL AND VERTICAL ACCURACY

Horizontal Control

Refer to Photogrammetric Plot Report item 23.

46. COMPARISON WITH EXISTING MAPS

Comparison was made between the manuscript and U. S. Geological Survey quadrangle Gardiner, scale 1:62,500, edition of 1943, reprinted in 1947, and Wiscasset, scale 1:62,500, edition of 1944, reprinted in 1949. All roads within two miles of the river were visually compared with the Geological Survey quadrangles for new construction and alignment. They were in good agreement, except for the reconstructions of Route 27, approximately 2.2 miles south of Randolph. This has been shown from information furnished by the field inspection party on photograph 49-O-719.

47. COMPARISON WITH NAUTICAL CHARTS

Visual comparison was made between the manuscripts, and Chart 288, scale 1:15,000, published May 1943 (3rd edition), corrected 26 September 1949.

Items to be applied to nautical charts immediately:

Delete K.C.Railroad in the vicinity of Randolph.
Revise chart for reconstruction of Route 27.

47. COMPARISON WITH NAUTICAL CHARTS
(continued)

Items to be carried forward:

None.

Approved and forwarded
21 April 1950
Joseph Steinberg
For
Hubert A. Paton
Comdr., USC&GS
Officer in Charge

Respectfully submitted
5 April 1950
Donald M. Brant
Donald M. Brant
Cartographic Draftsman

Form T-2

50a

PHOTOGRAMMETRIC OFFICE REVIEW

T-5978

1. Projection and grids A.C.R. 2. Title A.K.H. 3. Manuscript numbers A.K.H. 4. Manuscript size A.K.H.

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) A.K.H. 7. ~~Photo-hydro stations~~ _____ ~~8. Bench marks~~ _____ ~~9. Plotting of sextant fixes~~ _____ 10. Photogrammetric plot report H.P.E. 11. ~~Detail points~~ _____

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads A.K.H. 28. Buildings A.K.H. 29. Railroads A.K.H 30. Other cultural features A.K.H.

BOUNDARIES

~~31. Boundary~~ lines _____ ~~32. Public land lines~~ _____

MISCELLANEOUS

33. Geographic names A.K.H 34. Junctions A.K.H. 35. Legibility of the manuscript A.K.H. 36. ~~Discrepancy overlay~~ _____ 37. Descriptive Report A.K.H 38. Field inspection photographs [illegible] 39. Forms A.K.H

40. [signature] Reviewer [signature] 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 T-2

50b

PHOTOGRAMMETRIC OFFICE REVIEW

T-5979

1. Projection and grids Q.C.R. 2. Title A.K.H. 3. Manuscript numbers A.K.H. 4. Manuscript size A.K.H.

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy [signature] 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) A.K.H. 7. Photo hydro stations _____ ~~8. Bench marks~~ _____ 9. Plotting of sextant fixes A.K.H. 10. Photogrammetric plot report H.P.E. ~~11. Detail points~~ _____

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

20. Water features A.K.H. 21. Natural ground cover A.K.H. 22. ~~Planetable contours~~ _____ ~~23. Stereoscopic instrument contours~~ _____ ~~24. Contours in general~~ _____ ~~25. Spot elevations~~ _____ 26. Other physical features [signature]

CULTURAL FEATURES

27. Roads A.K.H. 28. Buildings A.K.H. 29. Railroads A.K.H. 30. Other cultural features A.K.H.

BOUNDARIES

~~31. Boundary lines~~ _____ ~~32. Public land lines~~ _____

MISCELLANEOUS

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40. H.K.H. Eizwood [signature] Reviewer

[signature] Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

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_____ 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, Md. April 4, 1950

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 Donald M. Brant
Donald M. Brant

Hubert A. Pator *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
STACK	195 ft. high brick stack painted white at Central Me. Power Co. ~~Co.~~ Plant	White Stack 1949	44 14	1167	69 46	290	N.A. 1927	Multiplex T-5979	1949		x		289

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.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 853418

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, Md. April 4, 19 50

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 Donald M. Brant
Donald M. Brant

Hubert A. Paton *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
GABLE	SOUTH GABLE OF LG. TWO STORY CREAM SHINGLED HOUSE WITH GREEN SHINGLE ROOF	GABLE (SOUTH) 1949	44 09	1451	69 45	1332	N.A. 1927	Multiplex T-5978	1949		x		289
STACK	130 ft. high red brick stack at lumber mill-So. Gardiner	Redstack 1949	44 10	1730	69 45	456	"	"	"		x		289
		T 5978											

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.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 853418

48. (a) GEOGRAPHIC NAME-LIST FOR T-5978

Bailey Corner ✓
Beedle Road ✓
Capon Road ✓
Costello Road ✓
Eastman Pt. ✓
Freemans Creek ✓
Goodwin Pt. ✓
Indian Pt. ✓
Marton Brook ✓
M.C.R.R.
Me 24
Me 27
Nehumkeag ✓ I ✓
South Gardiner ✓
Telegraph Hill ✓
The Sands Island ✓
Trotts Pt. ✓
Upper Sands Shoals ✓

Names approved
1-15-51
a.g.w.

48.(b). GEOGRAPHIC NAME LIST FOR T-5979

Adkins Pt. ✓

Cobbosseecontee Stream

Farmingdale ✓
Farmingdale Shoal ✓
Fonsbys Brook ✓

Gardiner ✓
Goodwin Pt. ✓
Gould Brook ✓
Greens Ledge

Iron Hill ✓
Litchfield Road
Lyons Cove ✓
M.C.R.R.
Me 4
Me 9
Me 24
Me 27
Me 126
Me 226

Poll Laws Brook ✓
Pittston ✓

Randolph ✓
Rolling Dam Brook ✓

Skin Cove ✓

Tarbox Flats ✓
~~The Brook~~
~~The Brook~~
Togus Stream ✓

U.S. 201

Names approved
1-15-57
a.g.w.

REVIEW REPORT
Shoreline Maps T-5978 and T-5979
22 January 1951

62. Comparison with Registered Topographic Surveys

T-1158	1:10,000	1870-90
T-1996	1:10,000	1890-91

These maps are superseded by T-5978 and T-5979 for nautical charting purposes.

63. Comparison with Maps of other Agencies

Gardiner, Maine, U.S.G.S. quadrangle, 1:62,500, 1941

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Chart 289, 1:15,000, ed. 1943, corr. 9/26/46

A cable area on T-5978 at the extreme north edge of the sheet is ~~(not)~~ now shown on the chart.

An island east of The Sands Island and several small islands north of The Sands Island shown on T-5978 are not shown on the chart.

A rock that bares 2 feet at MLW shown on T-5979 at latitude 44° 13' 37.5" and longitude 69° 46' 03" is not shown on the chart. This rock is located on the west edge of the channel and is not necessarily a hazard to navigation. Hand correction on chart and Notice to Mariners No. 27 (1953) GFdi 6/19/53

66. Adequacy of Results and Future Surveys

These maps are adequate as a base for hydrographic surveys and the construction of nautical charts. They meet the National Standards of Map Accuracy.

67. Control

Triangulation station Pittston Spire, 1868 was deleted from the map. The 1949 recovery for this station reported the spire gone.

Reviewed by:

K. N. Maki
K. N. Maki

Approved:

S. V. Griffith
Chief, Review Section B
Div. of Photogrammetry

G R Edmonston
Chief, Nautical Chart Branch
Division of Charts GFd

O S Reading
Chief, Div. of Photogrammetry

Earl O. Heaton
Chief. Div. of Coastal Surveys