

6397a-b

Graphic Control

6397a-b

Graphic Control

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. E and F
State New Jersey	
LOCALITY	
a-Barnegat Bay; Seaside Park to Cedar Creek	
b-Barnegat Bay; Cedar Creek to Forked River	
1935	
CHIEF OF PARTY	
J. C. Sammons	

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. *6397a* "E"

REGISTER NO. **T6397a**

State New Jersey

General locality Inland waters of New Jersey Barnegat Bay

Locality Barnegat Bay Seaside Park to Cedar Creek

Scale 1:10,000 Date of survey June, 1935

Vessel Shore Party No. 2.

Chief of party Jack C. Sammons

Surveyed by H. J. Bozzo

Inked by J. C. Sammons

Heights in feet above -- to ground to tops of trees

Contour, Approximate contour, Form line interval -- feet

Instructions dated May 16,, 1935

Remarks:

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form,
filled in as completely as possible, when the sheet is for-
warded to the Office.

6397b

Field No. " F "

REGISTER NO. T6397 b

State New Jersey

General locality Inland Waters of New Jersey Barnegat Bay

Locality Barnegat Bay Cedar Cr. to Forked River

Scale 1:10,000 Date of survey June, 1935

Vessel Shore Party No. 2

Chief of party Jack C. Sammons

Surveyed by H. J. Bozzo

Inked by J. C. Sammons

Heights in feet above --- to ground to tops of trees

Contour, Approximate contour, Form line interval --- feet

Instructions dated May 16,, 1935

Remarks:

DESCRIPTIVE REPORT TO ACCOMPANY GRAPHIC CONTROL SHEETS 'E' and 'F'.

LIMITS OF SHEETS

Geographic control sheets 'E' and 'F' are on opposite faces of the same aluminum mounted sheet. The southern edge of sheet 'E' overlaps the northern edge of Sheet 'F'. Together the two sheets cover Barnegat Bay from near the mouth of Toms River to the mouth of Forked River. They extend from Lat. $39^{\circ} - 49'$ to Lat. $39^{\circ} - 55'$ and from Long. $74^{\circ} - 05'$ to Long. $74^{\circ} - 09.5'$.

SURVEY METHODS

A photographic compilation of this area had been completed before the topography was begun. These Graphic Control Sheets were executed in order to furnish control for the hydrographer and to locate additional points for checking the photographic compilation. In the inside waters where the shore line changes but little, small patches of shore line were rodded in at each set-up. Along the outside coast where the shore line is more subject to changes, the shore line was rodded in so as to show changes which may have occurred since the photographs were taken. Only standard methods were used in this work.

CONTROL

A decided effort was made to recover and co-ordinate all control points which fall within the area covered by these sheets. All old triangulation stations were plotted on the sheets and searched for by

the topographer. The old stations which were searched for but could not be found, are shown on these sheets in pencil and should be considered lost. The control for these sheets consists of numerous old recoverable triangulation stations and new stations established by this party with second order accuracy. In addition to these triangulation stations there are some stations which were located and described by the Photo Compilation Party. These stations were not used as control until after their positions had been verified by the topographer.

TRAVERSES

On Sheet 'E' a small traverse was run from station New Jersey to signal iron Pole. The position of iron pole checked within one meter. Station Cedar Tree was searched for but could not be found. Another small stadia traverse was run from station Seaside Park to Position No. 15 on the beach where it was checked by resection on station Ocean View.

On Sheet 'F' a stadia traverse was run from station Lano up the north bank of Cedar Creek and back along the south bank of the same creek, tying in to signals TRY and MEL. The closing error was less than one meter.

DISCREPANCIES

There were no discrepancies on these sheets which required adjustment.

LAND MARKS FOR CHARTS

Attached to, and forming a part of this report are lists of objects which should be charted as land marks for each sheet.

AIDS TO NAVIGATION

Attached to, and forming a part of this report are lists of non-floating aids to navigation, which should be charted.

GEOGRAPHIC NAMES

No new names for geographic features shown on these sheets were obtained. All names shown were taken from the chart of this area, and appear to be in common usage.

PLANETABLE POSITIONS

On the Graphic Control Sheets all stations located by topography are shown by a small red circle with the station name. All stations which are considered recoverable are described on form No. 524 and the name of the station on the graphic control sheet is followed by the letter 'D'. All recoverable topographic stations previously located by the Photo Compilation Party in this area, are shown as above, with the addition of the date as listed on the description card. All planetable set-ups are numbered and designated on the graphic control sheets by a small square. These numbers and square are not inked in.

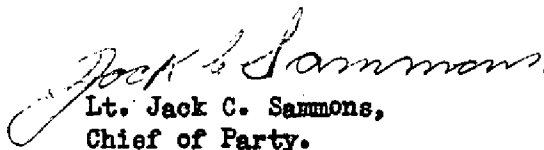
Attached to, and forming a part of this report is a list of all topographic positions located on this sheet. This list includes all set-ups and stations. It shows which stations are described and whether they are marked, natural object, or, aid to navigation, also, when they were previously located and how they were located by the topographer.

Descriptions on form No. 524 are submitted for all stations marked 'D' on these graphic control sheets. All description cards previously made out by Photo Compilation Party for stations following on these sheets, were taken out of the list submitted by the Photo Compilation Party and added to the descriptions submitted with these Graphic Control Sheets.

CONTENTS

Submitted with Graphic Control Sheets 'E' and 'F' are the following:-

Title Sheet for Graphic Control Sheet 'E'
Title Sheet for Graphic Control Sheet 'F'
Descriptive report for Graphic Control Sheets 'E' and 'F'
List of control points for Graphic Control Sheet 'E'
List of control points for Graphic Control Sheet 'F'
List of landmarks for charts for sheets 'E' and 'F'
List of non-floating aids to navigation for sheets 'E' and 'F'
9 Descriptions of topographic stations (Form 524) for Sheet 'E'
12 Descriptions of topographic stations (Form 524) for Sheet 'F'


Lt. Jack C. Sammons,
Chief of Party.

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "E".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
	BEACON No. 48 Aid to Nav. D.		Setup 10 Setup 4 Setup 6 Setup 5			
	BOOM		Setup 11 Setup 10			Setup 11
	BOG		New Jersey Setup 8			Setup 8
	CRI		Setup 5 Setup 13 Setup 7 Setup 1			
	CUPOLA GATE HOUSE Nat. Obj. D.	RCB 1935	Setup 4 Setup 6 Setup 5 Lano			
	CEDAR TREE Lost	WHB 1926				
	CEDAR M - D	WHB 1926				
	DUDLEY M - D	WHB 1926				
	DOME Nat. Obj. D.	RCB 1935	Seaside Park New Jersey Pottery			
	EM		Ocean View Pottery Seaside Park			

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "E".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATIONS.	RESECTIONS ON STATIONS.	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
	GRANT (Lost)	1865				
	IRON POLE Nat. Obj. D.	RCB 1935	New Jersey Setup 3			Setup 3
	ISLAND BEACH C.G. CUPOLA L.M. D.	WHB 1926 JCS 1935				
	JOHN		Setup 7 Ocean View Mex			
	JACK		New Jersey Ocean View Seaside Park Pottery			
	LAYMAN M - D	WHB 1926				.
12	LANO M - D	JCS 1935				
10	MEX		Seaside Park Ocean View New Jersey		Ocean View	
1	NEW JERSEY M - D	CDM 1932			Pottery	
4	OCEAN VIEW M - D	CDM 1932			Pottery	
5	POTTERY M - D	JCS 1935			Seaside Park	

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "E".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATIONS	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
	POLA Nat.Obj. D.		Ocean View MEX New Jersey			
	PINK Nat.Obj. D.	RCB 1935				
	POTTER	RCB 1935	Pottery Seaside Park Lano			
	RUG		New Jersey Ocean View Lano Pottery Seaside Park			
	RAG		Ocean View Lano Pottery			
	SAM		Lano Pottery MEX			
9	SUE		Pottery Ocean View New Jersey			
	SO.GAB. GREY HOUSE Nat. Obj. D.	RCB 1934	Pottery Setup 11			Setup 11
6	SEASIDE PARK M - D	CDM 1932			Pottery	
	SEASIDE PARK W.T. Aid to Nav. D.	CDM 1932				

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "E".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS.
	TTM		Seaside Park Ocean View Mex			
	TAB		Seaside Park Ocean View Mex Pottery			
	TRINITY M.E. CHURCH Nat. Obj. D.	RCB 1935				
2			New Jersey		New Jersey	New Jersey
3			Setup 2		Setup 2	Setup 2
7			Ocean View	Seaside Park WT	Ocean View	Ocean View
8			New Jersey		New Jersey	New Jersey
11				Seaside Park Dome Ocean View	Seaside Park	
13			Seaside Park		Seaside Park	Seaside Park
14			Setup 13		Setup 13	Setup 13
15			Setup 14	Seaside Park	Setup 14	Setup 14

METHOD OF LOCATING CONTROL POINTS ON SHEET "F".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATIONS	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
	ACO Aid to Nav. D.		Setup 3 Forked			
	BEACON 46 Aid to Nav. D.		Fork Forked Setup 3			
	BEACON 47-A Aid to Nav. D.		Cedar Lano Setup 15 Setup 26 Setup 29			
3	BED		Fork Fly Forked	Fork Stouts	Fly	Forked (o)
16	BLUE		Setup 15			Setup 15
	BOY		Setup 20 Setup 21			Setup 20 (o)
	BUG		Fork Stouts Cedar Lano New Jersey Setup 10			
	CEDAR CREEK (Lost)	1839				
	CEDAR CREEK 2- (Lost)	1869				
	CUR		Fork Fly Setup 12			

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "F".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
8	CEDAR M - D	WHB 1926			New Jersey	
	CEDAR CR. C. G. CUP. Aid to Nav. D.	JCS 1935				
	CEDAR CR. C. G. FT. Aid to Nav. D.	JAS 1935				
11	DRAT		Fork Stouts Cedar Lano	New Jersey Fly		
	DRAY		Fork Stouts Setup 9.			
	DUDLEY M * D	WHB 1926				
29	ED		Cedar New Jersey Stouts Fly		New Jersey	
	E. Gab. Green Roof Nat. Obj. D.	RGB 1934	Fly Fork Setup 31			
	FEM		Cedar Stouts Fly New Jersey Setup 10			

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "F".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATIONS	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
9	FEW		Fork Fly New Jersey			Fly
2	FLY M - D	CDM 1932			Fork	
1	FORK M - D	JCS 1935				
4	FORKED M - D	RCB 1935	Fork Fly		Fork Fly	
	FORKED RIVER (Lost)	1839				
	GIRL		Forked Stouts Cedar New Jersey Fly Setup 10			
18	GIT		Setup 17 Setup 18			Setup 17
	GOAT		Cedar Stouts Fly New Jersey Setup 9			
	HAT		Cedar Fork Fly New Jersey Stouts Setup 10			

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "F"

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATIONS	RESECTIONS OF STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
10	HIM		Fork Stouts Cedar	Fly New Jersey		
	HALSEY (Lost)	WHB 1926				
	ISLAND BEACH 2- (Lost)	1865				
12	KARL		Fork Fly Stouts Setup 9			
6	LANO M - D	JCS 1935				
	MEL		Cedar Setup 14 Setup 27			Setup 27
	Man		Setup 21			Setup 21
	MAY		Forked Setup 3			
5	NEW JERSEY M - D	CDM 1932			Fly	
	ODE		Fork Cedar New Jersey Fly Lano Setup 10.			

METHOD OF LOCATION OF CONTROL POINTS ON SHEET 57".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS.
	PAL		Cedar Lano New Jersey Fly Stouts Fork Setup 10			
24	PINK M - D		Setup 23			Setup 23
	RADIO Nat.Obj. D.		Fork Setup 4 Setup 3			
	STEM		Stout Fly Lano Stouts Fork			
	STEW		Fork Lano Fly New Jersey Setup 12			Setup 12
	SHACK Nat. Obj. D.	RCB 1935	Setup 31 Fly			
	So. Gable-House Nat. Obj. D.	RCB 1934	Stout Setup 31			
	So. GABLE-HUT Nat.Obj. D.	RCB 1935	Fork Stouts Fly	Fork	Stouts	
30	STOUT M - D					

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "F".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATIONS	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
7	STOUTS M - D	JCS 1935		New Jersey	Fly	
	TRY		Lano Stouts Setup 14 Setup 27			Setup 27
20	WOW M - D		Setup 19	Cedar		Setup 19
10			Fork .Stouts Cedar	Fly New Jersey		
13			Lano			Lano
14			Setup 13			Setup 13
15			Setup 14			Setup 14
17			Setup 16			Setup 16
19			Setup 18			Setup 18
21			Setup 20			Setup 20
23			Setup 22			Setup 22
25			Setup 21			Setup 24
26			Setup 24			Setup 25
27			Setup 25			Setup 26
			Setup 26			Try
28			Cedar	Lano Stouts		
31			Stout	Fork		Stout

STRIKE OUT ONE

LANDMARKS FOR CHARTS

ATLANTIC CITY, N.J. September 20, 1935

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.

Jack C. Semmons

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

TO BE CHARTED } STRIKE OUT ONE
TO BE DELETED }

LANDMARKS FOR CHARTS

ATLANTIC CITY, N. J. September 20, 1935.

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.

Jack C. Sammons,

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

REVIEW OF GRAPHIC CONTROL SURVEY T-63976, SCALE 1: 10,000Date of Review 1/26/37
2/9/37

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5096, 5097, 5330, with particular attention to the following details:

- ✓ (a) Projection has been checked in the Field.
- ✓ (b) Accuracy of location of plane table control points.
- ✓ (c) Discrepancies between detail on this survey and the air photo compilations listed above.
- ✓ (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

✓ 2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5096, 5097, 5330, for a more complete discussion of any errors or discrepancies found.

✓ Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

✓ Notes and corrections resulting from the review are shown on this survey in green.

L. C. Landy

Frank R. Galloway

✓ B. G. Jones

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

DEC 23 1936

Acq. No.

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic }
Hydrographic }

Sheet No. E

State New Jersey

LOCALITY

Barnegat Bay

South of Seaside Park

1936

CHIEF OF PARTY

John A. Bond

U. S. GOVERNMENT PRINTING OFFICE

L. H. Graham

SUPPLEMENTAL REPORT

To Accompany Graphic Control Sheet E T6397a

Barnegat Bay, South of Seaside Park

INSTRUCTIONS

The graphic control on sheet E is a part of Project HT-205, the instructions for which were dated May 16, 1935.

GENERAL INFORMATION

No additional field work was done on this sheet as sufficient number of old signals from the 1935 field work were recovered to complete the hydrography in this territory.

Submitted by,

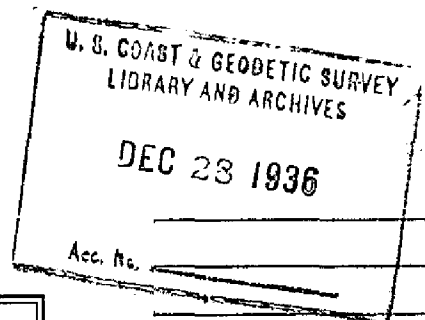
D. M. Watt

D. M. Watt

Approved by,

J. A. Bond

John A. Bond
H. & G. Engineer
Chief of Party



Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. F

State New Jersey

LOCALITY

 Barnegat Bay

 South of Seaside Park

 1936

CHIEF OF PARTY

 John A. Bond

U. S. GOVERNMENT PRINTING OFFICE

W. H. Graham

SUPPLEMENTAL REPORT

To Accompany Graphic Control Sheet F. T6397b
Barnegat Bay, South of Seaside Park.

INSTRUCTIONS

The graphic control on sheet F is a part of Project HT-205, the instructions for which were dated May 16, 1935.

GENERAL INFORMATION

No additional field work was done on this sheet as sufficient number of old signals from the 1935 field work were recovered to complete the hydrography in this territory.

Submitted by,

D. M. Watt

D. M. Watt

Approved by,

J. A. Bond

John A. Bond
H. & G. Engineer
Chief of Party

REVIEW OF GRAPHIC CONTROL SURVEY T- 6397a, SCALE 1:10,000,

Date of Review

1/21/37

✓ 1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5329, 5096, 5330, with particular attention to the following details:

- ✓ (a) Projection has been checked in the Field.
- ✓ (b) Accuracy of location of plane table control points.
- ✓ (c) Discrepancies between detail on this survey and the air photo compilations listed above.
- ✓ (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

✓ 2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5329, 5096, 5330, for a more complete discussion of any errors or discrepancies found. *None*

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

✓ Notes and corrections resulting from the review are shown on this survey in green.

J. R. Galloway
F. G. Jones