

6398a b

Graphic Control

and Add'l Work in 1936 on 6398b

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. G and H

State New Jersey

LOCALITY

a-Barnegat Bay; Forked River to Waretown

b-Barnegat Bay; Barnegat Inlet

193 5

CHIEF OF PARTY

J. C. Sammons

U. S. GOVERNMENT PRINTING OFFICE: 1934

Graphic Control

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. "G"

REGISTER NO.

⁶²⁸⁷
T6398a

State..... New Jersey

General locality..... ~~Inland Waters of New Jersey~~ Barneget Bay

Locality..... ~~Barneget Bay~~ Forked River to Waretown

Scale. 1:10,000 Date of survey..... July, 1935

Vessel..... Shore Party No. 2

Chief of party..... Jack C. Sammons

Surveyed by..... S. T. Yeomans

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 forwarded to the Office.

Field No. "H"

REGISTER NO.

63781
T6398 b

State New Jersey

General locality Inland Waters of New Jersey Barnegat Bay

Locality Barnegat Bay Barnegat Inlet

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

Vessel Shore Party No. 2.

Chief of party Jack C. Sammons

Surveyed by S. T. Yeomans

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 'G' and 'H'.

LIMITS OF SHEETS

Geographic control sheets 'G' and 'H' are on opposite faces of the same aluminum mounted sheet. Sheet 'G' includes the eastern shore of Barnegat Bay from Forked River to below Waretown. It joins on to Sheet 'F' at the northern limit and to Sheet 'H' at the southern limit. It extends from Lat. $39^{\circ} - 46.5'$ to Lat. $39^{\circ} - 50.5'$ and from Long. $74^{\circ} - 09'$ to Long. $74^{\circ} - 12'$.

Sheet 'H' is divided into two strips. The eastern strip includes Island Beach from Island Beach Coast Guard Station to Barnegat Inlet, and joins on to Sheet 'F' at the northern limits and to Sheet 'J' at the southern limits. The western strip covers the west shore of Barnegat Bay from Waretown to Gunning River and joins on to Sheet 'G' at the northern limits and to Sheet 'K' at the southern limits. (Sheet 'K' has not been executed).

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 rodged in at each set-up. Along the outside coast where the shore line is more subject to changes, the shore line was rodged 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 numerous stations located and described by the Photo Compilation Party, as well as stations established by the U.S. Army Engineers and by the E.R.A. The positions of stations located by the Photo Compilation Party were verified. The stations established by the U. S. Army Engineers and the E.R.A. were located, as no positions of these stations were available.

TRAVERSES AND DISCREPANCIES

A stadia traverse was run from signal Forked up the north bank of Forked River to Forked River M. E. Church and back down the south bank of the river to station Bed, the position of which was taken from sheet 'F'. This traverse checked out good but showed all the signals previously located by the Photo Compilation Party to be out, in an east and west direction by

about five (5) meters. The westerly position of the traverse was then run and checked out good. At this time our funds ran out and it was necessary to disband our party. However, I did manage to locate one of the signals of the Photo Compilation Party (Station Tank Windmill) by triangulation and it proved to be out a little more than two (2) meters in a north and south direction but correct in an east and west direction. The traverse was adjusted as follows:--the cuts to Tank Windmill were back plotted from the true position of this station and the traverse from signal Forked to position No. 19 replotted and a good portion of the error picked up this way. This section of the traverse was then adjusted to the cuts to Station Tank Windmill. The remainder of the traverse was replotted from the adjusted position of position No. 19, and checked the positions of the Photo Compilation Party well. It was also found that the position of Bed had been transferred incorrectly and this accounted for the original traverse checking out. Another traverse was run on Sheet 'G' from Station Shell, up the Oyster Creek and back to Station Shell. This traverse checked within less than two (2) meters and was unadjusted.

A traverse was run along the shore line from Station Ware to Station Shell on Sheet 'G'. This traverse closed out three (3) meters short and the error was adjusted.

Another traverse was run from Station Ware to signal Cottage and as this checked the plotted position of Cottage within one (1) meter, it was considered accurate.

On Sheet 'H' a traverse was run from Station Inlet, along the

bank to Station Forked River. This traverse failed to check and was re-run from Forked River to signal Bar where the new traverse checked the old traverse correctly.

Another traverse was run from Station Inlet to the southward, around the end of the point and checking back on Station Inlet. This traverse checked out less than two (2) meters and was not adjusted.

A small traverse was run from Station Gat to signal Kelley and checked the plotted position of the signal exactly. No other adjustments were necessary for traverses run on this sheet.

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 sheet by a small square. These numbers and squares 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 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 the 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.

CHANGES SINCE PREVIOUS SURVEY

The shore line along the point to the north of Barnegat Inlet (Sheet H) differs greatly from the shore line shown on a tracing of the field compilation. While the topography in this area was being accomplished, a small storm occurred and produced a very perceptible

change in this shore line, showing the shore line in this area is subject to changes. It is regretted the shore line inside the point could not be continued to a junction with more permanent shore line, but this was impossible due to the sudden termination of field work.

CONTENTS

Submitted with graphic control sheets 'G' and 'H' are the following:--

Title Sheet for Graphic Control Sheet 'G'
 Title Sheet for Graphic Control Sheet 'H'
 Descriptive reports for Sheets 'G' and 'H'
 List of control points for Sheet 'G'
 List of control points for Sheet 'H'
 List of land marks for Sheets 'G' and 'H'
 List of non-floating aids to navigation for Sheets 'G' and 'H'
 25 Descriptions for Sheet 'G'
 22 Descriptions for Sheet 'H'

Jack C. Sammons
 Lt. Jack C. Sammons,
 Chief of Party.

METHOD OF LOCATING OF CONTROL POINTS ON SHEET "G".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
	BED		Fork Forked Setup 29			
G	BOT		Setup F		Setup F	Setup F
21	BUN		Setup 20		Setup 20	Setup 20-(508 M.)
	BRACON 46 Aid to Nav. D.		Fork Forked Shell			
26	BAB		Setup 25		Setup 25	Setup 25-(350 M.)
	BAY Nat.Obj. D.		Ware Setup 3 Setup 4			
	BEER Nat.Obj. D.		Setup C Setup D Setup E			
	Chy.A.T. & T. Nat.Obj. D.	RCB 1935	Fork Setup 30			
	CUPOLA STAFF Nat.Obj. D.	RCB 1935	Fork Forked Setup 22 Setup 19			
	COTTAGE U.S.E.	RCB 1934	Setup 3			Setup 3 (87M)
	CABIN U.S.E. Nat. Obj. D.	RCB 1935	Setup 4 Setup 6			
	CHAT Nat.Obj. D.		Setup 21 Setup 24			

METHOD OF LOCATING CONTROL POINTS ON SHEET "G".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATIONS	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
17	DRO		Setup 16		Setup 16	Setup 16 (264 M)
F	DOT		Setup E		Setup E	Setup E (378 M)
25	ETTA		Setup 24		Setup 24	Setup 24 (532 M)
	ERA 2247 M - D	RCB 1935				
	ERA 2244 M - D	RCB 1935				
	FORK M - D	JCS 1935			Shell	
13	FORKED M - D (Sheet F) FORKED RIVER FP Nat.Obj. D.	RCB 1935 RCB 1934	Fork	Fork	Shell	
	FOGEL M - D	RCB 1935	Ware Fork Setup 6			Setup 6 (24 M)
	FLO		Setup E Setup D			Setup E (314 M)
	F.P.Oyster Creek Nat. Obj. D.	RCB 1935	Shell Setup E			Setup E (121 M)
	FORKED RIVER M.E. Ch. Nat. Obj. D.	RCB 1935	Setup 22			Setup 22
	FORKED RIVER PRES.Ch. Nat. Obj. D.	RCB 1935				
	GREYHOUND Nat.Obj. D.	RCB 1935	Setup 22			Setup 22

METHOD OF LOCATING CONTROL POINTS ON SHEET "G".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
	HY		Setup 16 Setup 15 Setup 19 Forked			
	INNE Nat.Obj. D.		Ware Setup 1			Ware (342 M)
	KELLEY Nat.Obj. D	RCB 1935 Sheet H	Setup 3			
	MAY		Setup 15 Setup 30 Pork			Setup 15 (154 M)
	WEST		Shell Setup E			
	NAL		Fork Forked Setup 16			
	PRIVATE Aid to Nav. D.		Shell			Shell
	PAGODA Nat. Obj. D.	RCB 1935	Setup 6 Setup 5			
	RADIO Nat.Obj. D.	Sheet F	Fork Setup 30			
	ROOP Nat. Obj. D.		Shell Setup D Setup E			Setup D (32 M)
20	SEAM		Setup 19		Setup 19	Setup 19 (350 M)
24	SAL		Setup 23		Setup 23	Setup 23 (476 M)

METHOD OF LOCATING OF CONTROL POINTS ON SHEET "G".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
23	SIN		Setup 22		Setup 22	Setup 22 (604 M)
	SO		Setup 22			Setup 22
	SHELL M - D	JCS 1935			Ware	
	SIGNAL TEMP D	RCB 1935	Fork Forked Setup 16			
	STEPS M - D	RCB 1935	Ware			Ware (153 M)
	STATE Nat.Obj. D.		Setup 22 Setup 21 Setup 31			
	TROOP Nat. Obj. D.		Setup 18 Setup 24 Setup 25			Setup 18 (20 M)
	TANK WINDMILL Nat.Obj. D.	RCB 1935 JCS 1935	A			
	WARE M - D	JCS 1935				
	1st M.E.Ch.Waretown Nat. Obj. D.	RCB 1935				
1			Ware	Shell	Ware	Ware (253 M)
2			Setup 1	Shell	Setup 1	Setup 1 (274 M)
3			Setup 2	Shell	Setup 2	Setup 2 (314 M)
4			Ware	Ware	Shell	Ware (416 M)
5			Setup 4	Shell	Setup 4	Setup 4 (336 M)
6			Setup 5	Ware	Setup 5	Setup 5-A (282 M)
						Setup 5 (537 M)

METHOD OF LOCATING CONTROL POINTS ON SHEET "G".

SETUP NO.	NAME	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
7-A			Setup 6	Shell	Setup 6	Setup 6 (228 M)
8			Setup 7-A	Shell	Setup 7-A	Setup 7-A (308 M)
9			Setup 8		Setup 8	Setup 8 (280 M.)
10			Setup 9		Setup 9	Setup 9 (254 M)
14			Setup 13		Setup 13	Setup 13 (254 M)
15			Setup 14		Setup 14	Setup 14 (304 M)
16			Setup 15	Radio	Setup 15	Setup 15 (348 M)
18			Setup 17		Setup 17	Setup 17 (321 M)
19			Setup 18		Setup 18	Setup 18 (378 M)
22			Setup 21		Setup 21	Setup 21 (488 M)
27			Setup 26		Setup 26	Setup 26 (280 M)
28			Setup 27		Setup 27	Setup 27 (292 M)
29			Setup 28		Setup 28	Setup 28 (432 M)
30				Radio Fork	Fork	
31			Setup 21	Setup 24	Setup 21	Setup 21 (269 M)
A			Shell		Shell	Shell (426 M)
B			Setup A		Shell	Setup A (316 M)
C			Setup B		Setup B	Setup B (488 M)
D			Setup C		Setup C	Setup C (432 M)
E			Setup D		Setup D	Setup D (378 M)

METHOD OF LOCATION CONTROL POINTS ON SHEET "H"

SETUP NO.	STATION	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS	
	Barnegat Inlet Astronomic Station R.N. 4057	1907					Station LOST.
	Barnegat C.G. Flag Tower (Aid. to Navig. D.) <i>Not Plotted</i>	1935-RCB Δ 1935-JCS					
	Barnegat C.G. Cupola Aid. to Navig. D. <i>Not Plotted</i>	Δ 1935-JCS					
	Barnegat Lighthouse Aid. to Navig. D.	Δ CDM-1932					
	Barnegat Light 2 M - D	Δ CDM-1932					
	Blind Tank Nat. Obj. D.	RCB-1935	Gat Setup T Setup Z				
	BAR		Setup 2 Setup 3				
	BAS		Setup A Setup B			Setup B	
	BIRD Nat. Obj. D.		Setup GG Setup LL GUN GULF			Setup GG	
	BOB		Setup G			Setup G	
	CLUB Nat. Obj. D.	1935-RCB	Forked River Inlet				
	CORA Nat. Obj. D.		Gun Setup LL				
	CRO Nat. Obj. D.		Setup E			Setup E	

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "H"

SETUP NO.	STATIONS	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS	
	CROOK Nat.Obj. D.		Setup E			Setup E	
	CUR		Setup J			Setup J	
	DOUBLE CREEK "Lost"	Δ Farley 1865				Station LOST	
	EDGE		Setup D Setup E			Setup D	
	EVA Nat.Obj. D.		Gun Setup KK Setup LL				
	Flagpole used Nat.Obj. D.	1935-RCB	Inlet Setup 10				
	Forked River M - D	Δ 1932-CDM		Fork.R.CG Cup.	Inlet		
	Forked River CG.S Nat.Obj. D.	Δ 1926-WHB					
	Forked River CG FT Aid to Nav. D.	Δ 1935-JCS					
	Forked River CG WT Aid to Nav. D.	Δ 1935-JCS					
M-D	GAT M-D	Δ JCS-1935			GULF		
	GANG		Setup 1 Setup 9 Setup 12			Setup 9	
	GOT Nat.Obj.D.		Gun GULF Setup LL Setup S			Setup DD	

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "H"

SETUP NO.	STATION	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS
	GRASS		GUN GULF Setup LL			Setup LL
	GUN M-D	ΔJCS-1935			Gulf	
	GULF M-D	ΔJCS-1935			Gat	
	HIDE		Gun Setup KK Setup LL			Setup KK
	HUN		Setup C			Setup C
	INLET M-D	ΔCDM-1932		Barnegat L.H.	Forked River	
	KELLEY Nat.Obj. D.	RCB-1935	Setup BB Setup CC			Setup CC
	KIT		GULF Setup LL Setup S Setup T			
	LIGHT Aid to Nav.D.	RCB-1935	Gulf Got Setup S			Gulf
	LION Nat.Obj. D.		Gulf Gun Setup R			Setup R
	MOCK Nat.Obj. D.		Gulf Setup S			Gulf
	NES Nat. Obj. D.		Setup S Setup T			

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

SETUP NO.	STATION	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATIONS	DISTANCE FROM STATIONS.
	North Gable Dark House Nat. object D.	RCB 1935	Gulf Setup GG			Setup GG
	NET		Setup B			Setup B
	PA		Setup J Setup H			Setup J Setup H
	PEA		Setup F			Setup F
	RACK Nat. object D.		Gulf Setup T Setup LL			
	RAP		Gun-Gulf Setup JJ			Setup JJ
	SHOOT Nat. Object D.		Setup LL Setup KK			
	SOCK Nat. Object D.		GAT Setup X Setup Y Setup W			Setup X Setup Y
	TIRE		Forked River Setup 8			Setup 8
	TON		Setup 2			Setup 2
	TRY		Setup U			Setup U
	WEE		Forked River Setup A			Setup A
	WHITE CHIMNEY (Plastered) <i>Nat. object D</i>	RCB 1935	Setup X Setup Y Setup Z Setup W			Setup X

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "H"

SETUP NO.	STATION	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS	ORIENTATION ON STATION	DISTANCE FROM STATION
1			Inlet			Inlet
2			Setup 1		Setup 1	Setup 1
3			Setup 2		Setup 2	Setup 2
8			Forked River	Forked River CG Cup	Forked River	Forked River
9			Setup 1		Setup 1	Setup 1
10			Setup 9		Setup 9	Setup 9
11			Setup 10		Setup 10	Setup 10
12			Setup 11		Setup 11	Setup 11
13			Setup 12		Setup 12	Setup 12
14			Setup 11		Setup 13	Setup 13
			Inlet			
A			Forked River	Forked River	Inlet	Forked River
B			Setup A	Club	Inlet	Setup A
C			Setup B	Club	Setup B	Setup B
D			Setup C	Club	Setup C	Setup C
E			Setup D		Setup D	Setup D
F			Setup B	Club	Setup B	Setup B
G			Setup F		Setup F	Setup F
H			Setup G		Setup G	Setup G
J			Setup H		Setup H	Setup H
K				Club	Inlet	Barnegat L.H.
				Forked River C.G.		
L			Setup K	Inlet	Setup K	Setup K
M			Setup L	Inlet	Setup L	Setup L
N			Setup K	Barnegat Lt.2	Setup K	Setup K
				Inlet		
P			Barnegat Lt.2	Barnegat L.H.	Inlet	Barnegat Lt.2
R			Gulf		Gulf	Gulf
S			Setup R		Setup R	Setup R
T			Setup S		Setup S	Setup S
U			Setup T		Setup T	Setup T
V			Gulf		Gulf	Gulf
W			Setup V		Setup V	Setup V
X			Setup W		Setup W	Setup W
Y			Setup X		Setup X	Setup X
Z			Setup Y		Setup Y	Setup Y
AA			Gat		Gat	Gat
BB			Setup AA		Gat	Setup AA
CC			Setup BB		Setup BB	Setup BB

METHOD OF LOCATION OF CONTROL POINTS ON SHEET "H"

SETUP NO.	STATION	PREVIOUS LOCATION	CUT IN FROM STATION	RESECTIONS ON STATIONS.	ORIENTATION ON STATION	DISTANCE FROM STATION
DD			Gulf		Gulf	Gulf
EE			Gulf		Gulf	Gulf
FF			Setup EE		Setup EE	Setup EE
GG			Setup FF	Gat	Setup FF	Setup FF
HH			Setup GG		Setup GG	Setup GG
JJ			Setup HH	Gat	Setup HH	Setup HH
				Gulf		
KK			Gun		Gun	Gun
LL			Gulf	Gun	Gulf	
	Beach D Not marked Not recovered	R.C.B. 1935				
	CARTER D Not marked Not recovered	R.C.B. 1935				
	WET D Not marked Not recovered	R.C.B. 1935				

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

DESCRIPTIVE REPORT

Topographic }
Hydrographic }

Sheet No. G

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 G T6398a

Barnegat Bay, South of Seaside Park.

INSTRUCTIONS

The graphic control on sheet G 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 a sufficient number of old signals from the 1935 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-6398a, SCALE 1: 10,000Date of Review 1/26/37
1/28/37

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5096, 5098, , 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, 5098, , for a more complete discussion of any errors or discrepancies found.

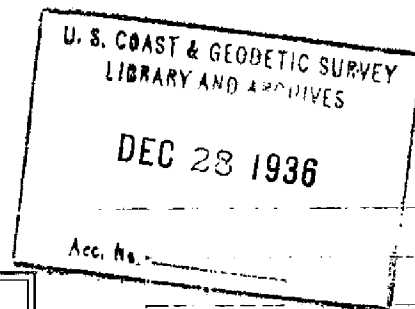
Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

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

L. C. Lande

Frank R. Toller

sgt.



Form 504
Rev. Dec. 1933

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. H

State New Jersey

LOCALITY
Barnegat Bay

1936

CHIEF OF PARTY
John A. Bond

R. S. Graham

SUPPLEMENTAL REPORT

To Accompany Graphic Control Sheet H. T 6398b

Barnegat Bay, North from Barnegat Inlet

INSTRUCTIONS

The graphic control on sheet H 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 the west section of this sheet as a sufficient number of old signals from the 1935 field work were recovered to complete the hydrography in this territory.

On the east section of this sheet additional hydrographic signals were located and shoreline re-rodged where field inspection showed a discrepancy from the 1935 location and the air-photo shoreline.

LANDMARKS FOR CHARTS

No additional landmarks for charts were located in 1936 field season.

RODDED SHORE LINE

The section of shoreline in the vicinity of signal TOM (Lat. $39^{\circ} 46.5'$; Long. $74^{\circ} 07.5'$) was rodged as a check for air-photo.

The section of shoreline in vicinity of station BLUE was rodged to locate the H.W.L. in the small cove 300 meters southwest of station BLUE. The remainder of this shoreline was rodged to determine if there had been any major change in H.W.L. since the pictures of this territory were made.

In November 1935 a storm cut a new inlet into Barnegat Bay just north of triangulation station INLET, 1932. The inlet was from a point about 100 meters north of station INLET to topo signal TON. During the winter of 1936 while the bay was frozen this inlet was closed. At the time of this survey in May, the sand dunes had been built to a height of approximately 8 feet above H.W.L.. A long pile of brush had also been placed across the narrow channel north-west of station INLET and this channel was practically closed. The outside shoreline was rodged from Barnegat Inlet to the point where there had been no change from the 1935 location.

Note: The above inlet was previously reported to this office in letter dated Dec. 2, 1935 (filed in Division of Tides) received from the "Ocean City Review," Seaside Heights, New Jersey, H.W.M. 2/9/37.

NON-FLOATING AIDS TO NAVIGATION

The light, topo station GAG (Lat. $39^{\circ} 47.5'$; $74^{\circ} 07.6'$) is a single pile about 10 feet above H.W. and is of temporary nature. This light is usually taken off the pile in late fall and ice destroys the pile during the winter.

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-6398 b, SCALE 1" = 10,000

Date of Review 1/28/37
2/9/37

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5098, 5097, , 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-5098, 5097, , 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.

Frank R. Dallon
WJF

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. ~~H~~

No. T 6398 b

Additional work

received DEC 28 1936
registered JAN 9 1937
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
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62			
63			
82			
83	Kelly -	WHL	
88			
90			

RETURN TO

82	C.K.Green ✓
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Remarks

Decisions

1		
2		see T-5096
3		see T-5098
4		see T-5098
5		see T-5098
6		
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8		
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10		see T-5097
11		" "
12		" "
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15		see T-5098
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GEOGRAPHIC NAMES

Survey No. T-6398 a,b.

GEOGRAPHIC NAMES										
Survey No. T-6398 a,b.										
Name on Survey	<div>On Chart No. 1216</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
	A	B	C	D	E	F	G	H	K	
T-6398 a										1
<u>Forked River</u>	✓ app'd									2
<u>Waretown</u>	✓ app'd									3
<u>Oyster Creek</u>	✓ app'd									4
<u>Barnegat Bay</u>	✓ app'd									5
										6
										7
										8
T-6398 b										9
<u>Barnegat Inlet</u>	✓ app'd									10
<u>Barnegat Bay</u>	✓ app'd									11
<u>Sedge Islands</u>	✓ app'd									12
<u>Island Beach</u>	✓ app'd									13
<u>Sunset Shoal</u>	gns app'd									14
<u>Double Creek</u>	✓ app'd									15
<u>Gunning River</u>	✓ app'd									16
										17
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Names underlined in red approved										26
by <u>WFE</u> on 3/2/37										27