Form 504	T-22-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-
DEPARTMENT OF COMME	RCEURY
U. S. COAST AND GEODETIC SURVE	
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State: New Jersey	ABG. No.
115613	
DESCRIPTIVE REPO	RT.
Tapagraphia Sheet No. 1 4	077
LOCALITY:	
Little Egg Herber	
Beach Haven Inlet	
192 4	
CHIEF OF PARTY:	
E.H.bernstein	

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC

SHEET No. 1, BEACH HAVEN INLET SURRVEY 1924.

LIMITS:

This sheet covers the two points of land to the north of and to the south of Beach Haven Inlet, N.J. On Long Beach Island on the north, the outside coast was done for a distance of a little over a mile and sufficient of the inside shore to get beyond the changes wrought by the Inlet. On the south similar distances were taken to at least comprise the changes in the shore.

SURVEY METHODS:

The usual methods of survey of the Service y i,e,, by plane table, were used for the work. No traverses were run. Numerous signals were built and combinedwith signals on the opposite shore a strong system of P.T. triangulation was used. All redding was done from these stations. The south high water line of the slue running towards the light house on Tucker's Island was located by sextant fixes.

CHANGES:

The changes revealed by this survey over that of 1925, by the New Jersey State Board of Navigation and Commerce, is of great magnitude, the south spit of land having second about half a mile. On the north spit but very little erosion is revealed.

CONTROL:

Tucker's Island L.H., a triangulation point, together with the Cupola of the Coast Guard Station, (Bond's Station,), which was located by triangulation by this party, furnished the necessary initial control. As mentioned above a supplementary system of P.T. triangulation controlled the detail. Seven of these station were marked by standard Hydrographic disea set in sement; eleven others are natural objects described in the accompanying list. This furnishes a good basis for future surveys.

LIST of RECOVERABLE STATIONS:

Name	1	Marked	1	Type	ł
Lag	1	Natural odject	1	Topo	 1
Key	1	u Gages C	į	a T	1
Hos	1	u	i	ņ	1
Ti e	ì	Stand. disc	ì	12	i
End "	•	u b	1	22	ŧ
Hi	j	n i	1	n	1
Tow	ì	Nat. object	t	22	1
Who	i	n n	i	22	1
Is	į	Stand. disc	ì	II.	i
Par	i	Mat. object	i	n	1
Mid	i	Stand, disc	į	n	1
Off	,	Nat. odject	j	22	i
Rek	i	Stand. disc	į	¥	ì
lie		Nat. object	i	- 1	i
Sed .	•	a n		Ħ	i
Tre	•	u u	i	ii	i
	•	11 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	i	¥	i
Egg Can	•	Stand, disc	i	Ĩ	i
			•	Trian.	i
Tuk Cup	•	Nat. objest	i	n	i

LIST of LANDMARKS:

Little Egg Coast Guard Station Tucker's Beland L.H. Bond's Coast Guard Station

Respectfully submitted,

E.H.Bernstein

Lieutenant, U.S.C.& G. Survey.

	DT AME	-TABLE	POSITIONS				
	Parmi	-TRDLE	POSITIONS			=======================================	
Object and description	: Lat	itude	D. M.	Lon	gi tud e	D. P.	Remarks
Tow	. 0	1 :	Meters :	0	1	Meters :	···
Tower, observation	39	32	723	74_	15	599	Тор
Sed.	:					:	•
Free, western of two	39	30 :	1237	74	17	258	
Tre.	:					:	
Pree, eastern of two	. 3 9	30 :	1238	74	17	220	•
Egg.	:					:	
upola, L. Egg C.G.Sta.	: 39	30 :	244	74	17	717 :	Тор
Par.	:	:			:	:	
Beacon White flash	: 39	32	. 435	74	16	604 :	
•	:	:	:		;	:	
11 11	: 39	30 :	1366 :	74	17	646	
Hos.	:	:	<i>.</i>			: :	
louse, west gable	: 39	32	172 :	74	15	1229 :	Pe ak
Key	:	:				:	
	: 39	32 :	: 487 :	74	17	: 1118 :	11
Lag.	:		•		1	:	
Plagstaff, west gable	:	"0			3.5	;	
boathouse	<u>; 38</u>	32	845 :	74	15	1040 :	West gable
Who	: :• 39	32 :		74	7 E	: . ECE	Ma
Cupola, barn near	: 1 39	<u>. 20 </u>	910 :	14	15	565 ;	Top
St. James Hotel		:	:		;		
, v v v v v v v v v v v v v v v v v v v	<u> </u>						

5.8	:	4.5	:	30	:	2.5	:	2.5	3.3
Miles Shore line (H.W.)	:	Miles Shore line (L.W.)	:	No. Sta., determined	:	Area	:	: Length of : shore line: (miles) :	shore line
		•			•				

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

U,s.	O.& G. Survey, Washington, D.C.				
	November 11, 1924	, 19			
SUPERINTENDENT, U. S. COAST AND GEODETIC SURVEY:	• • •				

The following determined objects are prominent, can be readily distinguished from seaward from the scription given below, and should be charted:

			Chief of Party.					
Description. Tucker Beach L. House	Lati	tude.	Lor	gitude.	Dodoon	Method of determination.	Charts affected.	
	• ,	D. M. meters,	. ,	D, P, meters.	Datum.			
	39.30	688,5	74 17	189.2	N ₊ Amer		1216 4 121	
Bonds, C.Guard Sta.	39.38	319.0	74.15	1137.2	ii ŭ	it	u u	
Little Egg, C.Guard	39.30		74 17	- ^	<u>H </u>	-Topograj)••••	
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•								

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. (1) 4077

General locality Little Egg Harbor

Locality Beach Haven Inlet

Chief of party E.H. Bernstein

Surveyed by E.H. Bernstein and P.R. Hathorne

Date of survey October, 1924.

Scale 1:5,000

Heights in feet above No elevtions determined.

Contour interval ---- feet.

Inked by E.H.B. Lettered by H.R. Edmande.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations

Remarks:

The survey of this sheet is based on the line "Tucker's Island L.H. " to station "Cup " the cupola of Bond's Coast Guard Station. Station "Tuk" is correctly plotted on the sheet, but "Cup" is only approximate, being transferred from a photostat copy of a survey, 1925, of the N.J. State Board of Navigation and Commerse. Subsequently "Cup" was located by triangulation, and athe projection snifted to agree. The new projection is shown in red.