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	Form 504 Ed. June, 1923  DEPARTMENT OF COMMERCE  U. S. COAST AND GEODETIC SURVEY  R.S. Patton. Director										
	State: New York.										
	DESCRIPTIVE REPORT										
XXX	Topographic Sheet No. H 6009										
	LOCALITY										
	Hempstead Bay Long Island,										
-	Jones Inlet to East Bay.										
	19 <b>33</b>										
	CHIEF OF PARTY										
	Raymond P. Eyman.										

# DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

### 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.

State New York
General locality Hempstead Bay Long Island . Island
Locality Jones Inlet to East Bay
Scale 1:10,000 Date of survey SeptOct. , 19 33
VesselShore Party #2 Project HT-132
Chief of party Raymond P. Eyman
Surveyed by A.M.Weber
Inked by A.M.Weber
Heights in feet aboveto ground to tops of trees
Contour, Approximate contour, Form line intervalfeet
Instructions dated February 25 , 19 33
Remarks: For location of hydrographic signals and
control points for air photos.

DESCRIPTIVE REPORT

to accompany
Topographic Sheet "H"

Hempstead Bay- Long Island N.Y.

RAYMOND P. EYMAN - CHIEF OF PARTY.

Season - 1933.

#### a. GENERAL DESCRIPTION OF THE COAST.

Starting at a point opposite station Park on the oceanbeach and progressing eastward, the shore consists of a sandy beach, with sand dunes back of the beach. This character of shore line continues to Jones Inlet and around the point to the channel. The small section of shore line run on the opposite side of the inlet has a sandy beach and is wooded back of the high water line. The most prominent landmark in this locality is the Jones Beach Tower, a high, brick, pyramidal tower of square cross section, 202 feet in height, lighted at night, and visible in any direction for many miles. It is about one-third mile west of station Park. There is a large building with two prominent towers about 600 meters west of Jones Beach Tower. Just east of the point at Jones Inlet and on the channel side, a large bight, bare at low water, makes in. Just east of this bight a dredged channel, about 100 meters wide, makes in for about 500 meters. East of this dredged channel the shore line is first sandy and then marshy for 950 meters, with mud flats extending out from high water about 150 meters. At this point an extensive fill in the form of a rough semi-circle, 400 meters in diameter, builds out into the channel. On the other side of this fill the shore is marshy for 550 meters, with grass growing out beyond the high water line for about 80 meters. Progressing eastward from here the shore is composed of fill for about 2000 meters. Opposite the Short Beach Coast Guard Station, which is on a small island in the middle of the channel, grass grows out for about 125 meters beyond high water. At the east end of the aforementioned section of filled ground a small bight makes in, which affords an excellent harbor for small boats. Going eastward from this bight the land is marshy for 1100 meters. Then there is a section of filled ground for 500 meters to a bridge, where the Jones Beach Causeway passes over a side channel running eastward. Going northward from this point the shore line is composed of filled ground and runs parallel to the Jones Beach Causeway for 1000 meters to a drawbridge. There are mud flats extending off shore in this section. Progressing northward from this drawbridge the shore line is composed of filled ground for 600 meters. It is then marshy from this point to station Team. The shore line in this section is very irregular, with numerous channels and offlying islands, and the character of the entire shore is marshy. Starting at the southwest corner of Meadow I. and progressing eastward the shore is grassy, with anumber of small shacks and summer residences. Flats extend about 50 meters off shore. The shore line continues grassy around the southeast point of the island and for about 300 meters up the channel to the north.

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET "H", HEMPSTEAD BAY, LONG ISLAND, NEW YORK - Continued

a. GENERAL DESCRIPTION OF THE COAST (Continued):

It is then marshy for 600 meters. From this point and around the north side of the island the shore is composed of filled ground, pumped up during dredging operations. Extensive mud-flats and off-lying marsh are present on the north-side of the island.

All of Jones I. that was run consisted of marshy land, withthe exception of a small section of grassy and filled ground at
the southwest point, around station Jon. Extensive mud flats lie
on the north shore of the channel, just east of Jones I. and north
of Short Beach Coast Guard. All of Deep Creek Meadow, Snipe I.,
and all that was run of Egg I., East I., Cuba I., Big Crow I.,
Ned Meadow, and False Channel Meadow consists of marshy land.
Pettit Marsh consists of marshy land, with a large fill on the
southeast point.

#### b. LANDMARKS.

Tower ( Jones Beach).

East and west towers, large building 600 meters west of Jones Beach Tower.

Short Beach Coast Guard Station and Flag Tower.

#### c. CHARACTER OF CONTROL USED.

Control was furnished by main scheme, supplementary, and intersection triangulation stations, and by stations located by plane table cuts, although these were seldom used, the triangulation control usually being sufficient.

d. CLOSING ERRORS OF TRAVERSES RUN AND HOW ADJUSTED.

At practically every point on the sheet a three point fix was available, so that small errors were adjusted at each set-up and no shore line adjustment was necessary.

e. DESCRIPTION OF AUXILIARY SURVEYING METHODS.

In traversing along the ocean beach a 100 meter wire was used instead of the usual procedure of reading stadia distances. This
expedited the work considerably, about one mile being taken between
set-ups. Off-lying features were located both by plane table
cuts and by direct rod readings, the rodman using a pulling boat
to reach them.

f. FORM LINES VERIFIED.

None.

DESCRIPTIVE REPORT. TO ACCOMPANY TOPOGRAPHIC SHEET. "H", HEMPSTEAD BAY, LONG ISLAND, NEW YORK. - Continued

g. CHANGES IN PROMINENT OBJECTS AND OFF-LYING FEATURES.

. None noted.

# h. INCOMPLETE WORK.

Extensive dredging operations are being carried on in the various channels shown on this sheet, and new channels are being cut through and old ones filled. For these reasons there are likely to be some changes in the near future in the shore line as it existed at the time of mapping. A number of the buoys located are removed in the fall, and had already been removed before the party left the scene-of operations. They are replaced in the spring, but whether in exactly the same location as previously shown is not known to the topographer.

The shore line on this sheet was not completed, due to the closing of the season, but photographs were obtained of this locality, and the gaps may be filled in from the photographs. However, some photographs that were taken in the spring proved to be worthless in some sections, due to the many changes that were caused by dredging.

i. PROCEDURE DEVIATING FROM STANDARD PRACTICE.

Use of a 100 meter wire on the ocean beach, as noted in section E of this report.

j. FAILURE TO JOIN PROPERLY WITH ADJACENT WORK.

None.

k. NEW NAMES.

None.

LIST OF PLANE-TABLE POSITIONS.

Included with report.

m. PHOTOGRAPHS.

Aerial photographs were taken of most of the region covered by the sheet in the spring, and further photographs to complete the region were taken in the fall. The photographs taken in thespring were found to be unreliable on account of the extensive dredging operations carried on during the summer. Those taken in the fall may cover some of the changes, but, since dredging was carried on well into the fall, these may also be unreliable in some places.

#### n. CHANGES OF COAST LINE.

Before taking the sheet in the field the old shore line was traced on from the chart. In running the present shore line it was found to

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET "H", HEMPSTEAD BAY, LONG ISLAND, NEW YORK - Continued

# n. CHANGES-OF COAST-LINE (Continued)

vary greatly from the old, as traced from the chart; in fact, there were very few places where it came near coinciding. Among the most important changes the following were noted:

A new channel has been cur through north of Short Beach Coast-Guard Station.

A new channel, about 80 meters wide, where no previous channel.—existed, has been cut through Pettit Marsh. This channel runs from the Bay of Fundy to The Narrows, near Freeport. Only-the-southeast-erly end of this channel is shown on this sheet.

The small channel, shown on the chart as cutting through the northwest corner of Meadow I., has been widened and straightened and is now the western entrance to the Bay of Fundy, the larger channel just north of it being now a flat.

A considerable change has taken place in the location of Jones Inlet, it having moved west about 300 meters.

#### o. CHARACTER OF MARSHES.

Most of the terrain on this sheet is marshy in character. In most places a pronounced vertical bank is visible, which was usually taken as high water. Sometimes the high water floods back of this bank, and the land is so flat that an accurate location of the high water line would be impossible, except in using the vertical bank. At other points there is no vertical bank, and the high water line is very indefinite, a variation of a few inches in tide being sufficient to change the high water line by many meters. In such cases an average line was attempted. In several places marshy territory is shown out beyond the high water line.

NOTES: Stations Shor, Long, Al, and Ly were located by a combination of a three point fix with a theodolite, and one or more theodolite cuts. They are shown as triangulation stations, but in the strictest sense of the word are probably not. Station Chimney, Large Green House, 1926, corresponds in position to station Chimney, White House, Dark Roof, 1926. It was plotted in the same position, checked perfectly with three plane table cuts, and also was checked by several theodolite cuts. The previous description seems to be in error.

The red circles with the arrows are channel markers. They are of two types, striped black and white posts and black posts with white acorn top. They have arrows pointing to the channel.

Forwarded / /

Raymond P. Eyman Chief of Party

Respectfully submitted

A.M. Weber
Topographer

	* .				
Object and description	Latitude		Longitude		Height Remarks
		Meters		Meters	protect for an electric section of a page 1.
Mana and white morter	40.77		77.77	_	Odmisma 3
Black and white marker	40-01	1510	<b>73–</b> 33	1307	Striped marker with
77 - 3 3 1.11	40 77	(341)	d9 99	(103)	arrow toward channel
Black and white marker	40-37	1519	73-33	1195	**
_•	40 55	(332)	<b>d</b> D	(215)	
Sign	40-37	1526	<b>73–3</b> 3	1231	
<b>-3</b> 1 3 111	40 88	(325)	de ee	(179)	ŧ
Black and white marker	40-37	1428	<b>7</b> 3 <b>–</b> 33	1024	4
		(423)	<b>##</b>	(386)	
Pipe, small brown shack	: 40 <b>-</b> 37 ×	1216	<b>7</b> 3–33	796	
		(635)		(614)	
Pipe, dark house, red	<b>4</b> 0 <b>-</b> 37	693	<b>73–</b> 33	679	
roof, white columns		(1158)		(731)	
Pole, red house, green	<b>4</b> 0−37 ∨	861	<b>73–</b> 33	361	
roof	•	(990)	73	(1049)	
Pipe, white house,	40-37 v	961	<b>73–3</b> 3	234	
green roof	·	(890)	•	(1176)	
	40∌37 ∨	`99 <b>9</b> ´	<b>73–</b> 33	200	
. 01	·	(852)	•	(1210)	
Brick chi, center	40-37	1027	73-33	190	
dark house		(824)		(1220)	
	40-37	358	<b>73-</b> 33	221	
house (NIP)	25, 5.	(1493)	, 0 00	(1189)	
Chi, large white house,	40-38 <	754	<b>73-</b> 33	55 A	Chimney (Lone Blag) 1933
green roof	10-00	(1097)	10 00	(1355)	
Black and white marker	40-36	1035	<b>73-</b> 33	1353	Striped marker with
Proof one without water.	10-00	(816)	10-09	(58)	<del>-</del>
Black and white marker	4036	960	73-33	1304	arrow toward channel
black and willte marker	40-00		₹ 0 <b>-</b> 00		
Disale and white manier	4086	(891)	77 77	(107)	n
Black and white marker	#O⇔20	1046	<b>73–</b> 33	1135	
Disale and white mani-	40 20	(805)	<b>67</b> 97	(276)	. 11
Black and white marker	40 <u>−</u> 36	1163	73-33	1095	<b>"</b>
	40.50	(688)	ee	(316)	
Black and white marker	40,-36	1213	73-33	814	. <b>u</b>
	40.50	(638)		(597)	_
Black and white marker	40÷36	1318	73-33	599	π
	-	(533)		(811)	
Black and white marker	40-36	1470	73-33	688	tt
12 AA A	. •	(381)	• •	(722)	
Black and white marker	<del>40-</del> 36	1484	<b>7</b> 3 <b>–</b> 33	702	n
		(367)		(708)	
Black and white marker	40-36	848	<b>7</b> 3 <del>-</del> 33	332	tt
	• .	(1003)	•	(1079)	
E.Gable, yellow house	40-36	151	73≕33	243	
YEL		(1700)	•	(116 <b>8</b> )	,
Chi, Prospect Gun Club	40⊶36 ✓	· 63	73-34	00	
G <b>UN</b>	*	(1788)	× .	(1411)	
Black and white marker	<b>4</b> 0 <b>–</b> 3 <b>5</b>	1845	<b>73–</b> 33	`1339	n
	•	(6)		(72)	
Flagpole	40-35 🗸	1843	73-33	1101	
- 01	-	(8)	,	(310)	
Chi, small gray house	40⊷35 ✓	1805	73-33	825	
GRAY;		(46)		(586)	
E.Gable, green house	40-35	1775	74_77	269	
	±0-00 ·		<b>73–3</b> 3		
BUL	1	(76)		(1142)	
· · · · · · · · · · · · · · · · · · ·	c, ¥				

Topographic Sheet "H"

Plane table positions(cont.) Sheet 2

Object and description						Rem	arks
	# X	Meters		Meters			
Black and white marker	40-35	1802	<b>7</b> 3 <b>–</b> 33	153		Strip	ed marker wi
<u></u>		(49)	•	(1258)			to chamnel
Black and white can		-	,	07.0			
buoy "F"	40-35	1424		819 (502)			
Black and white nun		(427)		(592)			
	40-35	1124	73-33				
5m0, .÷		(727)		(248)			
Red bbl., no number	<del>4</del> 0 <b>→</b> 35	(727) 1517 (334) 1256	73-38	1040			
		(334)		(371)			
Chi on brown shack	<b>40-38</b> √	1256	<b>7</b> 3-3 <b>2</b>	677			
the on amount should	40, 38 √	(595) 1102	73-32	( <b>7</b> 33) 5 <b>7</b> 5			
hi on green shack	<b>≇∪⇔</b> 30	(749)	10=04	(835)			
Pipe,Send gray shack	40-37 ✓	1215	73-32	412			
HIT		(636)	4,7 4,7 7	(998)			
Chi, S. end green shack	40-37 🗸	977	73 <del>-</del> 32	302			
GO		(874)	, 	(1108)			
hi,E.end red house	40 <del>,</del> 37 ✓ 40 <del>,</del> 37 ✓	678 (3397)	73 <del>,</del> 32	118 (1292)			
H <b>6T</b> Chi, W. end small dark	40_37 /	(11/3)	7 <b>3-</b> 32	(1292) 25 <b>4</b>			
shack CAN	40#01 v	(1829)	10-02	(1156)			
Chi,SW end red house	40-36 ×	<b>1</b> 32 <b>4</b>	73⊶32	319			
CORK		(527)	•	(1091)			
ellew sign, "Cable	<b>40–</b> 36 ✓	329	73-32	193			
Crossing"	40-37 -	(1522) 371	73-31	(1218) 870			
V. Gable, white house dark roof BAR	40 <u>+</u> 21 ∧	(1480)	1 o∸o∓	(540)			
hi on shack HUM	40-37	(1480) 38	73-31	363			
•		(1813)	,	(1047)			
Pipe, red house STOP	<b>40-</b> 36	(1813) 1748 (103) 417	<b>73–</b> 3 <b>1</b>	1358		• •	0000000000
		(103)		(52)			· -
Black marker	<b>4</b> 0 <b>–</b> 36	417 (1434)	73-31	88 (1323)			acorn top,
lack marker	40-36		73-31	(1323) <b>7</b> 55		arrow	to channel
A THE STREET STATE	40-50	(1485)	, 0-01	(656)			
3lack marker	40-36	212	73-31	1019			Ħ
ىيى	* * .	(1639)	•	(392)			
Coast Guard Flagstaff	40-36 ~	193	73-31		destrujece ia	3. <del>4</del>	
SUB "Cable Crossing"	10-35 V	(1658) 1818	72_21	(409) 1051			
oren Appre Atossing	40-35 <	(33)	73-31	(360)			
W.Gable gray shed	40 <b>-</b> 35 ~	1230	73-31	926			
NEAR	•	(621)	. `.	(485)			
Sign	40-35	973	73-31	492			
**	40.25	(878)	<b>5</b> 5 53	(919)			
Sign	<b>4</b> 0 <b>-</b> 35	1004 (847≬	<b>73–31</b>	385 (1026)			
Sign	40=35	1034	73-31	268			
·-o	-5,,00	(817)	. 5. 52	(1143)			
W.Gable, large white	40-38	1075	73-30	1332			
boathouse GAB		(776)		(78)			

			_	ographic		Η <sup>τη</sup>
	Plane tabl	Le positi	ons(cont.)		Sheet 3	
Object and description	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks
Flagpole	40-38	1366 (485)	73 <del>-</del> 30	1325 (85)		
Chi, brown house	<b>4</b> 0 <del>.</del> 38	1024 (827)	<b>73-</b> 30	1235 (175)		
Yellow sign	40 <del>.</del> 38	738 (1113)	73-30	723 (687)		
Pipe on shack	40-38	190 (1661)	73-30	894 (516)		
Chi, bait house BOAT	<b>40</b> <del>+</del> 3 <u>7</u> ✓	445 (1406)	73-30	1051 (359)		
Black marker BARE	<b>4</b> 0-3 <b>7</b>	63 (1788)	73-30	513 (897)		White acorn top, arrow to channel
Black marker	40-37	310 (1541)	73-30	574 (836)		Ħ
Black marker	40-37	488 (1363)	73 <del>, 3</del> 0	558 (852)		π
Black marker NOR	40-37	659 (1192)	73-30	551 (859)		Ħ
'Sign	40-37	619 (1232)	<b>7</b> 3 <b>-</b> 30	`330 <sup>°</sup> ( <b>1</b> 080)		
Sign	40-37	641 (1210)	73-30	176 (1234)		
Sign	40-37	815 (1036)	73-30	245 (1165)		
Sign	40-37	810 (1041)	<b>73-</b> 30	284 (1126)		
Orange marker	40-37	631 (1220 <b>)</b>	73-30	309 (1101)		
Orange marker	40-37	641 (1210)	73-30	291 (1119)		
Orange marker	40-37	723 (1128)	73-30	323 (1087)		
Orange marker	40-37	705 (1146)	73-30	364 (1046)		
Black marker	40-36	366 (1485)	73-30	1211		White acorn top, arrow to channel
Black marker	40-36	444 (1407)	73-30	1156 (255)		tt
Black marker	40-36	528 (1323)	73-30	125 <b>1</b> (160)		Ħ
Black marker	40-36	`1098´ (753)	<b>73–3</b> 0	`750 (661)		tt
Black marker	40-36	1161 (690)	73-30	`511´ (900)		n
Black marker	40-36	1348 (503)	73-30	454 (956)		· tt
Black marker	40-36	1455 (396)	73-30	368 (1042)		tt
Black marker	40-36	1546 (305)	73-30	317 (1093)		<b>n</b>
Black marker	40-36	1593 <sup>°</sup> (258)	<b>73-3</b> 0	372´ (1038)		tt

Plan	e table po	sitions	(cont)	She	et-4	
Object and description	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks
Black marker	40-36	1643 (208)	73-30	443 (967)		White acorn top, arrow to channel
Sign	40-36	1637 (214)	73-30	228 (1182)	- "	
Chi, white house DIS	40-36 ~	`846 (1005)	<b>7</b> 3 <b>–3</b> 0	232 (1179)	121	
Flagpole E one of 3 3.8	<b>\$</b> 0 <b>-</b> 35 ′	`1196´ (655)	73-30	672 (739)		
Flagpole of 3 - 1.5.	40-35	1228 (623)	73 <del>, </del> 30	703 (708)		·
Flagpole W. one of 3 13	40-35 /	ì191 (660)	73 <del>,,</del> 30	725 (686)		
g.Tower, large bldg.	40 <del>-</del> 35 ×	1245 (606)	73-30	1244		- 1 . 1 . D 1 . 1 . 1 . 1 . 2 . 2
W.Tower, large bldg. WES <b>T</b>	40=35 v	1239 (612)	73-30	i280´∆ (131)	Tower (W	est Pointed Jones Beach) 1933

This plane table survey was made subsequent to air photo compilation T-5058, has been compared with T-5058. Corrections to T-5058, latitude

40°38' to 40°39', long. 75°30' to 75°31' have been plotted on correction sheet. No. and

well be applied to T-5058 at the next printing.

Lamotana March 25, 1935.

REVIEW OF TOPOGRAPHIC SURVEY No. 6009

Title (Par. 56) Hempstead Bay, Long J., Jones Inlet to East Bay New York

Chief of Party R.P. Eyman Surveyed by a.m. Weber Inked by a.m. Weber

Ship Shove party Instructions dated Feb. 25, 1933 Surveyed in Sept. Oct. 1933

- 1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)
- 2. The character and scope of the survey satisfy the instructions.
- 3. The control and closures of traverses were adequate. (Par. 12, 29.)
- 4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
- 5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) None
- 6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) More submitted
- 7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)
- 8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)
- 9. Rocks and other important details shown on previous surveys and on \_\_\_\_\_\_ the chart were verified. (Par. 25, 26, 27.)
- 10. The span, draw and clearance of bridges are shown. (Par. 16c.)
  No bridges shown on this sheet.
- 11. Locations and elevations of summits are given. (Par. 19, 51.)
- 12. The tree line was shown on mountains. (Par. 16g.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

- 13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)
- 14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.
- 15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) They are listed in the Descriptive Report.
- 16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) A general list for this project is filed a little 701/1933
  The Desc. Report lists several Landmarks but positions are not scaled.

  17. The magnetic meridian was shown and declination was checked. (Par.
- 17, 52.)
- 18. The geographic datum of the sheet is North american 1927 and the reference station is correctly noted. (Par. 34.) Accouds are given in metersonly.
- 19. Junctions with contemporary surveys are adequate. -
- 20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)
- 21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) V
- 22. No additional surveying is recommended.
- 23. The Chief of Party inspected and approved the sheet and the descriptive report. after review by

24. Remarks:

Reviewed in office by P.J. Christman, Feb. 26, 1934

Examined and approved:

Section of Field Records

Chief, Division of Charts

Chief, Section of Field Work

udo

Chief, Division of Hyd. and Top.

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

### DESCRIPTIVE REPORT

Topographic | Sheet No. 6009

## Additional work

State New York

LOCALITY

Long Island

Hempstead Bay

*193* 4

CHIEF OF PARTY

### Additional work

#### DESCRIPTIVE REPORT

#### TO ACCOMPANY TOPOGRAPHIC SHEET NO. 6009

This sheet was accomplished during the 1933 field season. Due to the filling in in connection with the construction of the new Meadow Brook Causeway and highways along the north shore of Jones Beach, said shoreline was re-run and noted in pencil.

The shoreline of Bellmore Creek and the canal next east of it was run and the signals located. An insert of the same scale was made for the continuation of Bellmore Creek. The shoreline of Island Creek was run from the bridge to the edge of the sheet. This was done on account of a discrepancy between the hydrography and the shoreline as determined from aerial photographs. The shoreline as determined by plane table indicates that the shoreline from the photographs is in error from 10 to 20 meters in this part of the creek. The signals were located on the creek east of Whale Neck Point and a small portion of the shoreline was run near the setups. An insert of the same scale was made for the continuation of same.

The small island formerly occupied by the Short Beach Coast Guard Station has been removed since the 1933 work was completed.

The channel markers located in 1933 were, in some cases, just temporarily marked and have since been replaced by the more permanent type. All of the channel markers on the sheet were checked by sextant fixes and those out of position more than five meters were crossed out in pencil and relocated, those no longer in existance were crossed out and all new ones located.

Standard methods were used in the location of the shoreline and signals. Three point fixes at times included topographic stations due to the fact that the re-erection of signals over triangulation stations would not be practical.

Respectfully submitted

Henry J. Bozzo

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M. O. Witherbee, Chief of Party.

#### DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY

### LANDMARKS FOR CHARTS

			Washington	n Office			
					May 15	<u> </u>	193 5
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DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

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

From data obtained by Comdr. G. D. Cowie April 24-26, 1935

Plotted	on this topo		and scale		<i>'</i>				Chief of Party
POSITION									
DESCRIPTION		LATITUDE		LONGITUDE			METHOD OF DETER- MINATION	CHARTS AFFECTED	
		<b>a</b> 1			DATUM				
	NEW LOCAL	rions of	CH-NNEI.	MARI	ŒRS	ON T-600	)9		
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71	n	40 36	1607	73	33	766	**	11	n
77	17	40 35	1463	73	32	1322	17	17	17
π	n	40 37	291	73	30	515	11	Sextant	TT
	Channel I	arkers	to be del	eted	lon	T-6009			
Channel	Marker	40 36	1128	73	33	971	NA 1927		579
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/ 70 .	7 *	40 37	1761	73	33	1287	n		n
J 11	n	40 37	1508	73		1308	, m		n

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, 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 an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.