

# 6011

U. S. COAST & GEODETIC SURVEY  
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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

Topographic

~~Hydrographic~~

Sheet No. B 6011

### LOCALITY

Great South Bay L.I.

Conklin Point to Jones Beach.

1933

### CHIEF OF PARTY

Raymond P. Eymann

U. S. GOVERNMENT PRINTING OFFICE: 1930

Descriptive Report  
to  
Accompany Topographic Sheet "B"

(a) General Description

This sheet covers the area from Jones Beach Coast Guard Station eastward to Conklin Point in Great South Bay, and was done on a scale of 1-20,000. Instructions for this work were dated Feb. 25, 1933.

The land is low, with the narrow sand beach separating the ocean from Great South Bay. The ocean beach is low and sandy with moderate height sand dunes a short distance inland. A State Boat Channel has been cut along the north portion of this sand strip and the dredged material has been filled in immediately southward from it. The Bay side of this strip is mostly marsh and low meadow land covered with marsh grass. North of the boat channel are numerous groups of small marshy islets. The boat channel is marked with single pile markers painted black having a white acorn shaped top and fitted with a metal arrow. Generally the meadows are bare except for a few scattering shrubs and marsh grass.

The land along the north shore of the bay was originally low and marshy with numerous creeks and sloughs. In recent years a number of improvements have been made along this coast by dredging canals and waterways, filling in behind bulkheads, and erecting buildings and summer homes. Many of the creeks have been dredged with small side canals leading from them on both sides.

(b) Landmarks

The most prominent landmark in this region is the new Jones Beach Coast Guard Station (Triangulation station Life 1933) and the large tanks in the villages of Babylon, Lindenhurst and Amityville. The Windmill (1933) on the beach has been destroyed during the season.

(c) Control

Control for this work was furnished by numerous triangulation points.

(d) Method and Closures

The outer beach was run in by means of the plane table and 100 meter wire tape. The closure or the traverse from Jones 1933 to Life 1933 was 8.5 meters which was corrected and adjusted. From Life to Drake the traverse checked exactly.

Along the north shore of the bay all traverse was by rod and frequent 3 point fixes for checks between triangulation stations.

Practically all of the creeks were located by random traverse lines from the main shore line, both shores of the creek being run at the same time.

(e) Incomplete work

Only the main shore line features are shown on this sheet, as it is believed much of the detail of the various small islands and canals can be obtained much more readily from the air photos.

(f) Junctions

This sheet joins sheet "G" (1-10,000) on the west, sheet "D" (1-20,000) on the east and sheet "C" (1-10,000) in the vicinity of Fire Island Inlet, and with the exception of the northwest corner, all work begins or ends at or near a triangulation station.

(g) Plane Table Positions

A list of plane table positions accompanies this sheet.

Respectfully Submitted,

Wm. D. Ayers, Topographer

R. P. Eymann, Chief of Party

*Raymond Eymann*

Object and description.	Latitude	Meters D.M.	Longitude	Meters D.P.	
Shack (Middle)	40° 38'	(1586.3) 264.5	73° 26'	(677) 731	
Channel marker State Boat Channel (N. side channel)	40 36	(187.8) 1662.9	73° 26'	(--) 817	See description below.
ditto	40 36	(110.9) 1739.8	73 26	(--) 167	ditto
Shack near state channel	40 36	(281.8) 1568.9	73 26	(--) 82	
Gable USCG boathouse (Has been torn down, July - 1933)	40 36	(1016.3) 834.4	73 26	(--) 35	
Channel marker N. Side channel	40 37	(1850.7) --	73 25	(13.0) 1397.4	Section of telephone pole painted black, white
ditto	40 37	(1835.7) 15	73 25	(66.0) 1344.4	acorn on top metal arrow
ditto s. side.	40 37	(1763.7) 87	73 25	(524.1) 886.3	on side of pole
ditto n. side	40 37	(1605.8) 244.	73 25	(739.2) 6712	ditto
ditto s. side	40 37	(1589) 261.7	73 25	(1075.0) 335.3	ditto
Green shack (stave-pipe)	40 36	(79.0) 1771.7	73 25	(146) 1264.4	(nel s. side chan-
Old wreck (N.W. Cor.)	40 36	(1197.8) 652.9	73 25	(469.1) 941.2	
Old wreck (S.E. Cor)	40 36	(1202.1) 648.6	73 25	(481.1) 929.3	Boiler of old ship 800' off shore.
Channel marker s. side channel	40 37	(1372.5) 478.2	73 24	(250.8) 1159.5	same as above
ditto n. side channel	40 37	(1092.8) 757.9	73 24	(863.9) 546.4	ditto
ditto s. side channel	40 37	(1194.5) 656.2	73 24	(917.9) 492.4	ditto d (with signboard)
ditto s. side channel	40 27	(1126.8) 723.9	73 24	(1127.7) 282.6	ditto



Object and description.	Latitude	Meters D.M.	Longitude	Meters D.P.
Channel marker (n.side)	40° 37'	(967.8) 882.9	73° 24'	(1347.7) 63.0
<i>GAL</i> Shack (Center)	40 37	(997.8) 852.9	73 24	(585.3) 825.0
ditto (Center)	40 37	(999.8) 850.9	73 24	(646.1) 764.2
<i>BUG</i> ditto (Center)	40 38	(835) 1015.8	73 23	(594.5) 815.4
Channel marker s.side	40 37	(972.3) 878.4	73 23	(178.6) 1231.6
ditto s.side	40 37	(792.9) 1057.8	73 23	(801.1) 609.1
ditto s.side	40 37	(592.9) 1257.8	73 22	(110.8) 1299.4
ditto s.side	40 37	(424.2) 1426.5	73 22	(676.6) 733.5
ditto s.side	40m 37	(256.1) 1594.6	73 22	(1203) 207
Shack	40 38	(1725.8) 125.0	73 22	(781.0) 629.0
<i>But</i> ditto	40 38	( <del>1523.3</del> ) <del>527.5</del> 336.5	73 22	( <del>927.7</del> ) <del>482.3</del> 523.0
<i>Horn</i> ditto	40 38	(1589.1) 261.7	73 22	(1157) 253
<i>Egg</i> Cut in by triangulation - partly torn down				
<i>RAT</i> ditto	40 37	(26) 1824.8-	73 22	(667.5) 742.5
ditto	40 37	(183) 1667.7	73 22	(1016) 394
Flag channel marker	40 37	(82) 1768.7	73 21	(328) 1082
Cut in by trian.				
Channel marker	40 38	(1754.8) 96	73 21	(877.3) 532.7



Object and description.	Latitude	Meters D.M.	Longitude	Meters D.P.
Channel marker	40° 38'	(1629.8) 221	73° 21'	(1266.2) 143.8
Channel marker	40 38	(1473.0) 3773	73 20	(315.2) 1094.8
Channel marker	40 38	(1447.1) 403.7	73 20	(391.2) 1018.8
Channel marker	40 38	(1299.8) 551	73 20	(777) 633
Channel marker	40 38	(1058.6) 793.2	73 20	(1142.2) 267.8
Channel marker	40 38	(859.4) 991.4	73 20	<del>1243</del> (1247.0) 162.9
Channel marker	40 38	(930.4) 920.4	73 20	(1330.9) 71.0
Large shack or building	40 38	(249.1) 1601.7	73 20	(555.3) 854.5
Channel marker	40 38	(858.8) 991.9	73 19	(37.9) 1372.0
Channel marker	40 38	(687.7) 1163	73 19	<del>1</del> 255.3 (1154.5)
Channel marker	40 38	(555.7) 1295	73 19	(450.4) 959.5
Channel marker	40 38	384.2 (1466.5)	73 19	(688) 722
- JONES CREEK -				
Flag (at traverse sta)	40 39	(956.1) 1 894.6	73 26	(249.9) 1158.8
South Chimney white house	40 39	(710.7) 1140.	73 26	(244.9) 1164.6
Flag on traverse station	40 39	(490.9) 1359.8	73 26	(358.1) 1051.3



## PLANE TABLE POSITIONS Topographic Sheet "B"

Object and description.	Latitude	Meters D.M.	Longitude	Meters D.P.
- CARMAN CREEK -				
✓ RUB Flagpole	40° 39'	(1755.2) 95.5	73° 25'	(202.5) 1207.2
✓ RIG Flagpole	40 39	(1035.4) 815.3	73 26	(1401.2) 8.05
✓ Flagpole on house	40 39	(594.2) 1256.5	73 25	(93) 1316.4
Flagpole	40 39	(780.9) 1069.8	73 25	(207.3) 1202.2
- CREEK -				
✓ PIN Flagpole (Summer pavilion)	40 39	(779.3) 1071.4	73 25	(68 2.5) 726.9
✓ Flagpole	40 39	(585.3) 1265.4	73 25	(664.5) 745
✓ So. Side boathouse	40 40	(1375.9) 474.8	73 25	(814.0) 595.5
✓ Peak (Green boathouse)	40 39	(193.7) 1657	73 25	(680.0) 729.5
✓ Pole (end of bulkhead)	40 39	(663.9) 1186.8	73 25	(734.0) 675.5
✓ SLO Speed sign	40 39	(839.7) 1011.0	73 25	(769.7) <del>632</del> 639.8
✓ FUR Flagpole	40 39	(1259.2) 591.5	73 25	(979.7) 429.9
✓ Flagpole	40 39	(1290.4) 560.3	73 25	(1308.2) 101.3
- AMITYVILLE CREEK -				
✓ LAP Flagpole	40 39	(1074.2) 776.5	73 24	(136.8) 1274
✓ SAP Flagpole	40 39	( <del>722</del> 787.3) 1063.5	73 24	(194.1) 1215.5
✓ East Peak, yellow boathouse	40 39	(290.3) 1560.5	73 24	(153.7) 1255.9
✓ MAST East Mast, old boat	40 39	(215.1) 1635.7	73 24	(177.6) 1232
✓ Channel sign, n. end of island	40 40	(1705.8) 145	73 24	(227.7) 1181.9



Object and description.	Latitude	Meters D.M.	Longitude	Meters D.P.
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## - AMITYVILLE CREEK Cont'd -

✓	Flag	40° 40'	(1591.3) 259.5	73° 24'	(250.3) 1159
✓	S.E. edge white boathouse	40 39	(435.2) 1415.6	73 24	(266.1) 1143.
✓ GUM	Flagpole	40 39	(529.7) 1321.1	73 24	(303.1) 1106.0
✓	Flagpole	40 39	(235.6) 1615.2	73 24	(275.6) 1133.8
- Woods Creek -					
✓ NEW	Old Hotel, near Amity	40 39	(1127.8) 723.0	73 24	(530.6) 879
✓ MAN	Homan's boathouse (Middle)	40 39	(877.4) 973.4	73 24	(853.4) 557.1
✓	N.E. Greenroofed boathouse	40 39	(87.0) 1763.8	73 24	(952.5) 456.8
✓ BAT	Bathhouse (Middle)	40 39	(1299.8) 551	73 24	(1333.2) 76.4
- Creek -					
✓	Boathouse, red roof (Middle)	40 39	(435.8) 1405	73 23	(532.3) 877.2
✓	Greenhouse (Middle)	40 39	(72 769.5) 1081.3	73 23	(783.2) 626.3
✓ WAX	White house (Middle)	40 39	(873.5) 977.3	73 23	(860.3) 549.2
- GREAT NECK CREEK -					
✓	Garage, red roof	40 39	(247.8) 1603	73 23	(1169.0) 240.4
✓ PEG	Peak, greenroofed house	40 39	(144.8) 1706	73 23	(114 7.9) 261.5
✓ CRE	Concrete building (Middle)	40 39	(308.5) 1542.3	73 23	(1314.4) 95
- STRONG CREEK -					
✓ PIT	Flagpole	40 40	(1675.3) 175.5	73 22	(1380.3) 29
✓ CAN	Red boathouse (Middle)	40 40	(1627.6) 223.2	73 22	(1371.3) 38



Object and description.		Latitude	Meters D.M.	Longitude	Meters D.P.
- STRONG CREEK Cont'd -					
✓ VIM	Flagpole	40° 40'	(1423.3) 427.5	73° 22'	(1369.2) 40
✓ SEE	Stone boathouse (S.E.Cor)	40 40	(1003.8) 847	73 22	(1282.2) 127
- <del>NEGUNTAQUE</del> <sup>TOG</sup> RIVER -					
✓ PEAK	Red boathouse (Peak of roof)	40 40	(1169.2) 681.6	73 21	(751.8) 657.4
✓ WEB	Flagpole	40 40	(768.9) 1081.9	73 21	(583.0) 826.1
- SANTAPOGUE CREEK -					
✓	Flag (sta) on 2x4	40 40	(1506.6) 344.2	73 20	(45) 1364.2
✓	<u>Old barge wreck</u>	40 40	(1531.8) 319	73 20	(325.7) 1083.5
✓	Lookout tower redhouse	40 40	(668.3) 1182.5	73 21	(1214.7) 194.4
- CARLL RIVER -					
✓ BULK	Dutch windmill BULK'S Nursery	40 41	(1551.1) 299.7	73 20	(536.2) 872.7
✓ FOR	Large house with 4 columns. (Center of 4 columns.	40 40	(140) 1710.8	73 19	(30) 1379.9
✓	Flagpole	40 40	(45) 1805.8	73 19	(160.5) 1248.5
✓ MOT	Flagpole	40 41	(1572.7) 278.1	73 19	(105.4) 1303.6
✓ TY	Flagpole	40 41	(1391.1) 459.7	73 19	(176.2) 1232.7
✓ CUP	Cupola on private boathouse	40 41	(891.4) 959.4	73 19	(389.2) 1019.6
✓ CAR	Flagpole	40 41	(1132.3) 718.5	73 19	(469) 939.8
✓	Flag on dune (sta)	40 40	(60) 1790.8	73 19	(447) 962



Object and description.	Latitude	Meters D.M.	Longitude	Meters D.P.
- SAMPAWAN CREEK -				
✓ Pole (Flagging)	40° 41'	(1652.8) 198	73° 18'	(120.0) 1289.0
- - - - -				
✓ JAM Flagpole	40 41	(1494.1) 356.7	73 19	(1439) 10
- - - - -				
✓ Flag on end of dock	40 41	(1256.8) 594	73 19	(1285) 124
- - - - -				
✓ MIT Pole (flagging)	40 41	(892.2) 958.6	73 19	(1228.5) 180.3
- - - - -				
✓ Week's machinewshop S.W.corner.	40 41	(552.4) 1298.4	73 19	(1203.0) 205.7
- - - - -				
✓ Flag (sta)	40 41	(1433.0) 417.8	73 18	(63.5) 1345.4
- - - - -				
✓ Flag (sta)	40m 41	(1337.5) 513.3	73 18	(310.5) 1098.5
- - - - -				
✓ Flag sta	40 41	(1036.5) 814.3	73 18	(310) 1098.8
- - - - -				
- WILLETT CREEK -				
✓ Flagpole	40 41	(1049) 801.8	73 18	(1218.8) 190
- - - - -				
- KEEFE CANAL -				
✓ Flag (at sta)	40 41	(1358.8) 492	73 17	(998.1) 410.7
- - - - -				
✓ Flag at sta	40 41	(1219.2) 631.6	73 17	(1044.0) 364.8
- - - - -				
- EAST OF KEEFE CANAL -				
✓ Long Is.State Park Comm. Tower	40 41	(1670.5) 180.3	73 17	(1143.3) 265.7
- - - - -				

Name of Station		Latitude	Meters D. M.	Longitude	Meters D. P.
Goose	Signal	40° 38' 20.74	639.8 (1211.0)	73° 19' 00.49	11.5 (1398.5)
Sev	"	40 37 56.26	1727.4 (115.4)	73 20 36.57	859.4 (550.6)
Ven	"	40 37 46.12	1423.0 (427.8)	73 21 10.62	250.9 (1158.9)
Sal	"	40 37 32.28	995.7 (855.0)	73 21 58.82	1382.7 (27.4)
Ty	"	40 37 21.34	658.2 (1192.5)	73 22 32.77	770.4 (640.0)
Sail	"	40 36 58.56	1806.3 (44.4)	73 23 49.80	1170.1 (239.9)
Lors	"	40 36 50.72	1564.5 (286.2)	73 24 22.53	529.6 (880.8)
Say	"	40 36 40.20	1240.0 (610.7)	73 25 00.56	13.2 (1397.2)
Led	"	40 36 29.02	895.1 (955.6)	73 25 48.67	1144.0 (266.4)
Flag	"	40 36	1092 (759)	73 25	1241 (169)
B us	"	40 37	512 (1339)	73 26	211 (1200)
Rat	"	40 37	1816 (35)	73 26	743 (668)
		40 37	1075 (776)	73 24	1333 (77)
		40 37	1509 (342)	73 23	1380 (30)
		40 38	88 (1763)	73 23	123 (1287)
Hum	"	40 37	1736 (115)	73 22	1157 (253)
Kip	"	40 38	456 (1395)	73 22	1192 (218)



Name of Station		Latitude	Meters D. M.	Longitude	Meters D. P.
Rus	Shack	40° 38'	121 (1730)	73° 22'	627 (783)
But	"	40 38	338 (1513)	73 22	519 (831)
Why	Light	40 39	1289 (562)	73 20	1036 (374)
Put	"	40 39	1000 (851)	73 21	993 (417)
(Ash)	"	40 39	572 (1479)	73 23	476 ( <del>472</del> )(934)
(Lit)	"	40 39	349 (1502)	73 24	648 (762)
(Sig.)	Signal	40 39	734 (1117)	73 23	897 (513)

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. B

REGISTER NO.

State New York

General locality Great South Bay ; Long Island, N.Y.

Locality Cocklin Point to Jones Beach

Scale 1:20000 Date of survey May-June, 19 33

Vessel Shore Party #2 Project HT-132

Chief of party Raymond P. Eymann

Surveyed by Wm. D. Ayers

Inked by Wm. D. Ayers

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated Feb. 25, 19 33

Remarks: For location of hydrographic signals and control

points for air photos

## REVIEW OF TOPOGRAPHIC SURVEY No. 6011

Title (Par. 56) *Great South Bay, L.I., Boukline Point to Jones Beach, New York*  
 Chief of Party *R. P. Eymann* Surveyed by *H. D. Ayers* Inked by *H. D. Ayers*  
 Ship *Shore Party* Instructions dated *Feb. 25, 1933* Surveyed in *May-June 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.)  
*None*
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.) *None 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.)  
*None shown on 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. <sup>No</sup> The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.) *They are listed in the Descriptive Report.*
16. <sup>general</sup> A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *and filed as Letter 707/1933.*  
*The Desc. Rep. lists several prominent landmarks but does not give co-ordinates.*
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.) *seconds in meters only*  
*Datum name added in office*
19. Junctions with contemporary surveys are adequate. ✓ *see Desc. Rep. relative to details.*
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.) *Spelling of names corrected in office*  
*Sanding for the "S and Fill" is somewhat ambiguous*
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report. ~~after review by~~
24. *a preliminary comparison with aerial Photos indicates a discrepancy in details near O'Wax (lat. 40° 39.5' long. 73° 23.4') see letter attached to T 6010. This should be adjusted as soon as aerial Topo sheet of this area becomes available.*

Reviewed in office by

*R. J. Christman, Feb. 27, 1934.*

Examined and approved:

*L. O. Lobbut.*  
Chief, Section of Field Records

*Harry S. Borden*  
Chief, Section of Field Work

*G. B. Spence*  
Chief, Division of Charts

*G. H. Hulse*  
Chief, Division of Hyd. and Top.



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

## LANDMARKS FOR CHARTS

Washington Office

May 15, 1935., 193

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 sheet and  
scaled by J.A. McCormick

Chief of Party.

Scaled by J.A. McCorkle

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE		LONGITUDE		DATUM		
	°	D.M. METERS	°	D.P. METERS			
New locations of Channel Markers on T-6011							
Channel Marker	40 36	1729	73 26	244	NA 1927	Sextant	578
" "	40 37	90	73 25	885	"	Topo	"
" "	40 37	268	73 25	334	"	"	"
" "	40 37	504	73 24	1366	"	Sextant	"
" "	40 37	390	73 24	1387	"	"	"
" "	40 38	140	73 24	1290	"	"	"
" "	40 38	858	73 24	1264	"	"	"
" "	40 38	1251	73 24	1244	"	"	"
Channel Markers to be deleted on T-6011							
Channel Marker	40 38	796	73 20	268	NA 1927		578
" "	40 36	1747	73 26	160	"		"

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 identification. 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.