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C. & G. SURVEY,  
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Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

Superintendent.

State. *N Y*

DESCRIPTIVE REPORT.

*Topo Sheet* Sheet No. *2945*  
*2945A*

LOCALITY:

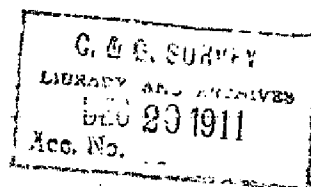
*South shore of Long Id.*  
*Long Beach to Edgemere*

*1908-9*

CHIEF OF PARTY:

*M. P. Ritter*

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Descriptive report to accompany

Topographic sheet no. 2945 (and 2945<sup>a</sup>)

Survey of South shore of Long Id., N.Y. from  
Long Beach to Edgemore.

By Homer P. Ritter, Asst. Chf. Survey

1908-1909.

Scale  $\frac{1}{10000}$

Topographic Sheet no. 2945.

Department of Commerce <sup>and</sup> Labor,  
Coast <sup>and</sup> Geodetic Survey,

O. H. Tittmann, Superintendent.

Survey of the south shore of Long Id., N.Y. from  
Long Beach to Edgemere.

By Homer P. Ritter, Asst. Chf. Survey.

1908-1909.

Scale:  $\frac{1}{10000}$ .

Note: Being a Revision of Topog<sup>h</sup>. Sheet No. 1471<sup>a</sup>.

Changes (in red) to Aug. 1909 made in the field.

This is the original sheet of the changes, <sup>and</sup> was  
made on tracing vellum in accordance with  
Instructions of Nov. 7, 1908.

H. P. R.

Oct. 11/1909.

This survey was made in accordance with Superintendent's instructions of Nov. 7, 1908; which directed that an examination be made of the portion of the south coast of Long Island, at and in the vicinity of East Rockaway Inlet.

A copy of Chart No. 119 was furnished by the office; also the original topographic sheet No. 1471<sup>a</sup> of 1879.

The present conditions were to be indicated on Chart 119, or if that scale was too small, to use a vellum tracing of the original topographic sheet.

The survey was begun on Nov. 11, 1908 and carried on in conjunction with other work at various times. The work was not continuous on account of being broken into by numerous other urgent details and assignments.

The field sheet containing the corrections up to Aug. 1909, was forwarded to the Office on Oct. 11, 1909.

On May 8, 1909 in accordance with a request from the Office (May 5, 1909) a tracing of the work up to that time was forwarded.

This preliminary sheet was given topographic sheet number 2945<sup>a</sup>.

On examination it was found that the topographic changes since the 1879 survey were so great that practically a new re-survey was necessary.

The survey consisted in making a tracing of topographic sheet 1471<sup>a</sup> and then augmenting the few remaining triangulation and other fixed points by numerous additional points determined by sextant angles and plotted on the tracing by intersections.

This work was controlled by triangulation stations at the eastern and western end of the survey.

The topographic features were then determined by intersections, steel tape measures, pacing etc.

A number of local surveys were obtained and made use of, by reducing them to the scale of the sheet and plotting them thereon.

The salient points of these reductions were checked on the ground by sextant angles on the C<sup>and</sup> G. S. triangulation points.

In revising the shore line, location of isolated

wharves and other principal features, angles taken with sextant on located points were made use of.

For the location of the buildings in a block, bounded by streets, and other minor details, pacing was resorted to.

In inking the buildings on the sheet no endeavor was made to distinguish brick and stone from wooden structures by solid black or open shading. The two shadings were used more for clear depiction and the separation of the buildings; having in mind that this data if used at all by the Office would be on a reduced scale.

As no plane table was used, no list of P.T. positions are given.

A list of a number of the located points by sextant is given.

Cauls. Survey Charts nos. 119-120 and 542 are effected by the changes shown on the sheet.

Object and description	LATITUDE		D. M.	LONGITUDE		D. P.	HEIGHT	REMARKS
	0	1	METERS	0	1	METERS	FEET.	
△ Edgemore Hotel Hg. stf.	40	35	954	73	46	91		
△ Far Rockaway Sch. Ho. " "	40	36	475	73	45	17		
○ Bathing Pavilion " "	40	35	1205	73	45	15		
○ White Ho. Cup.	40	35	1352	73	43	675		
○ Red " "	40	35	1290	73	43	525		
○ Club Ho. flag staff.	40	35	233	73	42	1293		
○ Flag staff.	40	35	92	73	41	1085		
○ Cottage Chy.	40	35	300	73	41	852		
○ Western End of Board Walk	40	35	64	73	41	333		
○ Life Saving Sta. flg. stf.	40	35	400	73	41	76		
○ " " " cupola	40	35	407	73	41	70		
○ Nassau Hotel S.E. corner	40	35	85	73	40	64		
○ Water tank	40	35	205	73	39	1247		
○ Cupola flg. stf	40	35	22	73	39	670		
△ Poorhouse flg. stf.	40	36	—	73	39	Burnt down		July 1909.
○ Old Depot " "	40	35	—	73	39	Torn down		— 1909.