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Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, *Director*

State: N.Y.

DESCRIPTIVE REPORT

Topographic / ~~*Hydrographic*~~ *Sheet No.* 4273

LOCALITY

South coast of Long Island

Lido Beach to Short Beach

192 6

CHIEF OF PARTY

C.D.Meaney Lt. jg U.S.C.& G.S.

GOVERNMENT PRINTING OFFICE

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Rec'd Mar 21

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DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET NO. 2

Instructions dated April 30, 1926.

LOCALITY AND LIMITS.

The topography on this sheet is along the south coast of Long Island between latitude 40° 35' N, and latitude 40° 38!8 N, and longitude 73° 39' W, and longitude 73° 30!8 W.

JUNCTIONS.

This sheet joins sheets 1 and 2a on the west and north, and sheet 3 on the east.

CONTROL.

The topography was controlled by the following triangulation stations, Long Beach Standpipe, Hard, Rail, Parson, Light's club, Outer, Look 1926, Lookout, Hempstead Bay Yacht Club, Point Breeze Hotel Flagpole, Pole, Team, Short Beach Life Saving Station cupola and Short, Chimney east of three houses and Johnsen Dance Hall Cupola were located by topography and later checked by triangulation.

SURVEY METHODS

The following traverses were their closing errors were run: Outer to a previously adjusted point at the eastern end of the Long Beach boardwalk (no error), Parson to Light's Club with the junction at the bridge at the head of the navigable water.of Milburn creek (closing error 16 meters), Lookout to Look 1909 (no error). A concrete block pulled out and some stakes driven for the signal were found. The remainder of the topography was controlled by three point fixes.

Several 2 x 4's marked by three tacks in the form of a triangle supplemented by easily distinguished chimneys, stacks, windmills, tanks, etc., were located to control future hydrography.

GENERAL DESCRIPTION.

The outside coast line from the eastern end of the boardwalk to Jones Inlet is gently sloping sand beach protected by wooden piles

driven at right angles to the beach from the Lido country Club to the boardwalk. The remainder of the beach is unprotected and is constantly undergoing changes due to the currents generated by ocean swells. It is noted that at △ Out 1909 the beach washed away for over a hundred meters. Near Jones Inlet the beach has built up. From the eastern side of Jones Inlet to the eastern extremity of the topography on the outside coast is a gently sloping sand beach which has changed materially as shown by a comparison with previous surveys.

North of the sand beach along the outside coast are sand and sand dunes which merge into the marsh and developed marsh lands. Except for a few sandy strips and sand dunes the islands comprising the main body of the topography are marshy in character.

North of the islands the marsh extends northward on the main shore of Long Island except where developments have been made by pumping mud and sand on the marsh and thus making fast shoreline. Canals have been dug extensively along the main Long Island shore.

NEW NAMES.

Lido Beach is a new development. The name is well established locally.

COMMUNICATION.

Lido Beach, Oceanside, Baldwin and Freeport, are accessible by land or water. Bus lines and the Long Beach Railroad afford communication between these places. The marshy islands and the beaches east of Lido Beach are accessible only by boat.

SETTLEMENTS.

Lido Beach, Nassau by the Sea, and Short Beach are sparsely settled summer colonies.

Many of the marshy islands have houses built on them which are occupied during the summer. The north side of the sheet includes sections of Oceanside, Baldwin and Freeport.

SUPPLEMENTAL DATA INCLUDED.

A list of planetable positions available for future hydrography and a list of landmarks for charts are a part of this report. Ten blueprints of street locations and canals are contained in a separate package.

Respectfully submitted,

C. D. Meaney,

C. D. Meaney,
Lieutenant (j. g.)
U. S. C. & G. Survey.

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO NO. 11-DRM

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

July 29, 1927.

Topographic Sheet 4273

Report on Compilation and Application of Aerial Photographs.

This is a supplementary report to that contained in the descriptive report of T. 4225 and most of the remarks made therein also apply to this sheet.

Data for a financial report of the comparison between field topography and aerial topography is lacking at present but when the field officer returns to the office this can probably be worked up.

The field officer was only present a small part of the time during the compiling of the aerial work and as one or two irreconcilable points have arisen it is recommended that they be referred to him.

1. The high and low shoreline near Jones Inlet at about latitude 40° 35' and longitude 73° 35'.

2. The low water and shoal areas about Jones Inlet.

3. The apparently peculiar low water line near Short Beach at about latitude 40° 35 1/2', longitude 73° 31 3/4'.

It was most surprising and gratifying to observe the accuracy or rather the similarity of the ground survey and the aerial survey.

J. C. MacNab
Asst. Cartographic Engineer.

Form 537a
11—5813

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4273

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. 2

REGISTER NO. 4273

State New York

General locality South coast of Long Island

Locality Lido Beach to Short Beach

Scale 1:10000 Date of survey July, August, Sept, 1926

Vessel Launch #66

Chief of Party C.D.Meaney

Surveyed by C.D.Meaney

Inked by C.D.Meaney

Heights in feet above --- to ground to tops of trees

Contour, Approximate contour, Form line interval ---- feet

Instructions dated April 30, 1926

Remarks: Topography in brown from aerial photographs made by Airmap Corporation of America in ~~August~~ May and June, 1926.

Compiled and drawn by J. C. MacMab.
GPO

Name	Latitude			Longitude			Description
Tric	40	36	96	73	39	444	Power station red from East
Poor	40	36	771	73	39	580	Cupola Island Park Hotel
Hos	40	35	1259	73	39	76	Chimney of hospital
Sig	40	36	513	73	38	151	Signal
Roof	40	36	1459	73	38	1170	Center green roof (Sea Food on side)
Green	40	36	1773	73	38	811	Center green roof near Hog Island channel bridge
Chim	40	35	1836	73	38	498	Chimney north of two houses
Sim	40	35	239	73	37	1253	Chimney Lido Country Club
On	40	35	318	73	37	1146	Chimney
Sol	40	35	413	73	37	143	Signal
Railbo	40	35	1313	73	37	1199	Staff on gray building facing Reynold channel
Nal	40	35	1619	73	37	1329	Signal
Ha	40	35	1657	73	37	675	Stack on house
Smo	40	35	1840	73	37	668	Smokestack white house
Et	40	35	1617	73	37	509	Signal
Rat	40	36	25	73	37	650	Stack
Tab	40	36	130	73	37	615	Tile smokestack
Ik	40	36	662	73	37	1272	Stack
Abe	40	36	712	73	37	683	Stack
Bek	40	36	584	73	37	477	Stack
Izy	40	36	587	73	37	325	Stack
Mose	40	36	1632	73	37	16	Signal
Art	40	37	1018	73	37	85	Center house
Tack	40	37	1448	73	37	439	White tank
White	40	38	50	73	37	221	White tank windmill
Gas	40	38	314	73	37	59	Filling station
Steel	40	37	1763	73	36	1205	Windmill steel frame
Wind	40	37	1813	73	36	595	Window green house facing west
Pir	40	36	28	73	36	871	Staff on house
Shap	40	36	679	73	36	1128	Signal
Oh	40	36	272	73	36	522	Signal
Lew	40	36	285	73	36	163	Signal
Ruth	40	35	637	73	36	220	Signal
Gab	40	35	713	73	35	1053	Chimney house
Er	40	35	1692	73	35	993	Chimney
Lil	40	35	1536	73	35	297	Center of house
Nor	40	36	154	73	35	242	White weather vane on house
Is	40	36	471	73	35	271	Chimney
Lake	40	36	775	73	35	333	Tile pipe
In	40	36	1490	73	35	1059	Signal
Car	40	37	15	73	35	312	Signal
Hat	40	37	270	73	35	473	Signal
Corn	40	37	970	73	35	218	Center house
Fin	40	37	1694	73	35	1143	Flagpole
Lov	40	35	1769	73	34	1376	Center house
My	40	36	272	73	34	1204	Stack
Bloom	40	36	82	73	34	43	Flagpole
Rach	40	36	1366	73	34	327	Center house
Ti	40	37	935	73	34	912	Center house

Staf	40	37	1210	73	34	1269	Staff red house
Cone	40	38	604	73	34	867	Signal
Bet	40	38	799	73	33	87	Signal
Clic	40	37	1231	73	33	787	Center
Sara	40	37	873	73	33	352	Stack
More	40	37	656	73	33	581	Stack
Sat	40	37	456	73	33	244	Center
Jab	40	37	259	73	33	164	Stack
Sol	40	36	917	73	33	353	Flagpole
Man	40	36	437	73	33	347	Center house
Berg	40	36	73	73	33	1401	Chimney
Levy	40	36	38	73	33	1293	Center house
Sha	40	36	48	73	33	1235	Center
Wit	40	36	02	73	33	1192	Chimney
Bern	40	36	25	73	33	1092	Center
Steen	40	35	1816	73	33	811	Chimney
Jan	40	35	1177	73	33	458	Signal
Cob	40	35	941	73	32	639	Target
Soap	40	36	193	73	32	565	Signal
Boy	40	36	893	73	32	135	Stack
Rose	40	36	1373	73	32	1247	Chimney
Pole	40	37	77	73	32	575	Flagpole near green house
Freed	40	37	264	73	32	1265	Signal
Stac	40	37	670	73	32	113	Chimney
Got	40	37	986	73	32	297	Stack
We	40	32	1223	73	32	404	Stack
Len	40	37	1422	73	32	939	Signal
Bald	40	37	1302	73	32	1374	Stack
One	40	37	1303	73	31	1182	Signal
Arch	40	37	863	73	31	639	Stack
Tel	40	37	294	73	31	612	Chimney white house
Ket	40	36	1698	73	31	1361	Stack
Dune	40	35	1428	73	31	1166	Signal
Big	40	35	1366	73	31	549	Center hotel
Kosh	40	35	1552	73	36	1342	Signal
Cat	40	37	1168	73	34	899	Signal

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Form 567

DIVISION OF CHARTS, FILE NO. .....

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Washington, D. C.

March 12, , 19 27

SUPERINTENDENT, 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:

C. D. Meaney

Chief of Party.

DESCRIPTION.	POSITION.						Datum.	Method of determination.	Charts affected.
	Latitude.			Longitude.					
	°	′	D. M. meters.	°	′	D. P. meters.			
The objects listed below are visible from the ocean and the bay. These objects are north of the topography but will come on a 1:20,000 chart of this area.									
Freeport Standpipe	40	39	715	73	35	765	N.A.	triangulation	1215
Tall Chimney nr. Freeport Standpipe	40	39	724	73	35	791			
Merrick larger tank supported by steel frame	40	40	68	73	33	762	N.A.	"	1215
Merrick smaller tank supported by steel frame	40	40	77	73	33	719	N.A.	"	1215
Baldwin larger tank supported by steel frame	40	39	1603	73	36	390	N.A.	"	1215
Baldwin smaller tank supported by steel frame	40	39	1610	73	36	414	N.A.	"	1215

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.

11—6948

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Form 567

DIVISION OF CHARTS, FILE NO. .....

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Washington, D. C.

March 11, , 19 27.

SUPERINTENDENT, 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:

C. D. Meaney

Chief of Party.

DESCRIPTION.	POSITION.						Datum.	Method of determination.	Charts affected.	
	Latitude.			Longitude.						
	°	′	D. M. meters.	°	′	D. P. meters.				
Chimney Lido Country Club	40	35	239	73	37	1253	N.A.	topographic	1215	4
Lookout, Point Lookout	40	35	736	73	34	1290	N.A.	triangulation	1215	4
Flagtower, Point Lookout	40	35	852	73	34	1269	N.A.	"	1215	4
Chimney Prospect Gun Club	40	36	73	73	33	1401	N.A.	topography	1215	4
Centre of Hotel	40	35	1366	73	31	549	N.A.	"	1215	4
The above objects are visible from seaward and from inside the bay.										
The objects listed below are visible from the bay.										
Chimney E of three houses	40	36	27	73	33	481	N.A.	triangulation	1215	4
Cupola, Johnsen Dance Hall	40	36	886	73	33	367	N.A.	"	1215	4
Centre of Clubhouse	40	36	1366	73	34	1269	N.A.	topography	1215	4
Centre of house	40	37	935	73	34	912	N.A.	"	1215	4
Circular tower	40	38	10	73	35	613	N.A.	triangulation	1215	4
W[illegible]te tank	40	37	1448	73	37	439	N.A.	topography	1215	4
Island Park Hotel Cupola	40	36	771	73	39	580	N.A.	topography	1215	
Cupola Hempstead Bay Yacht Club	40	35	1533	73	34	880	N.A.	triangulation	1215	4

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.

11—5948