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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
E. Lester Jones, Director

C. & G. SURVEY
L. & A
APR 8 1929
Acc. No.

State: New York

DESCRIPTIVE REPORT

Topographic } Sheet No. B 4408
Hydrographic }

LOCALITY

Jamaica Bay, Long Island

1928.

CHIEF OF PARTY

C. D. Meaney

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET B

In accordance with instructions dated August 6, 1928, a topographic revision survey was executed of part of the shoreline in the vicinity of Grassy Bay chart 542.

General Description of Shore.

The shoreline is marshy in character or filled ground which was formerly marsh.

Landmarks.

Landmarks for charts are tabulated on a separate form, one copy of which is attached to this report and one copy of which has been forwarded directly to the Division of Charts.

Control.

This survey was controlled by triangulation stations New Water Tower (1920), Idlewild (1903-08), Seaside Hotel (1903-08), Incinerator Tall Brick Chimney (1919), and Stack (1926).

Survey Methods.

Three point fixes were used for locating plane table positions. For topography along the north shore of Grassy Bay, the plane table was first set up with New Water Tower (1920) and Seaside Hotel (1903-08) on range. By orienting on this range and resecting on Idlewild (1903-08), a position was established which controlled the survey in this vicinity.

Changes.

The shoreline of Broad Creek marsh differed only in minor details from the shoreline shown on chart 542. The surveyed shoreline of East High Meadow and the marshy island on which Black Point is located showed considerable difference from that shown on chart 542. Dredging in this vicinity is probably responsible for the changes in the shoreline. The bulkhead in the vicinity of Idlewild was found to be out in longitude. Along the north shore of Grassy Bay along the shoreline surveyed, dredging and filling have altered the shoreline and changed the character of the ground from marsh to sand. Two new canals have been dug east of the railroad bridge.

Three hundred thirty meters west of Winhole Point a stake with a board nailed to the top of it marks the north side of Broad Channel. Northwest of this stake is a sand bar covered at high tide on which

pipes used for dredging have been left lying horizontal and partly embedded in the sand. A double row of piling is connected by horizontal planks on which pipe had been laid while dredging and which is called cribbing on the topographic sheet.

About three hundred-twenty meters, three hundred five degrees from Whinhole Point, a stake with a barrel on the top of it marks the west side of Broad Channel.

Planetable Positions.

A list of planetable positions used for hydrography is on a separate page of this report.

Respectfully submitted,



C. D. Meaney

Lt. U.S. C. & G. Survey.

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LIST OF SIGNALS USED FOR HYDROGRAPHY.

Gab	40°	37'	479	73°	49'	438
Lon	40°	37'	417	73°	48'	1327
Su	40°	37'	327	73°	48'	597
Jack	40°	37'	753	73°	48'	989
Jim	40°	37'	1177	73°	49'	02
Jo	40°	37'	1424	73°	48'	1072
Ros	40°	37'	574	73°	48'	04
Boy	40°	37'	776	73°	47'	988
Web	40°	37'	1099	73°	47'	807
An	40°	37'	1218	73°	47'	679
Centre White House	40°	37'	1826	73°	49'	484
West	40°	38'	1821	73°	48'	1391
East	40°	38'	1845	73°	48'	1347
Bay	40°	39'	576	73°	48'	1069
Me	40°	39'	1552	73°	48'	670

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Washington, D. C.

March 30, 1929

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.

C. D. Meaney

Chief of Party.

DESCRIPTION	POSITION						METHOD OF DETERMINATION	CHARTS AFFECTED	
	Latitude			Longitude					Datum
	°	'	D. M. meters	°	'	D. P. Meters			
Chimney	40	39	1552	73	48	670	N.A.	Topo.	542,1215
Highest point of hotel	40	39	576	73	48	1069	N. A.	Topo.	542,1215
South eave of house	40	38	1845	73	48	1347	N.A.	Topo.	542,1215
Center of house	40	38	1821	73	48	1391	N.A.	Topo.	542,1215
Center of white house	40	37	1826	73	49	484	N.A.	Topo.	542,1215
Chimney on house	40	37	1218	73	47	679	N.A.	Topo.	542,1215
Center of brown house	40	37	1099	73	47	807	N.A.	Topo.	542,1215
Stack on house	40	37	776	73	47	988	N.A.	Topo.	542,1215
Center of house	40	37	574	73	48	04	N.A.	Topo.	542,1215
Center of house	40	37	327	73	48	597	N.A.	Topo.	542,1215
East gable of house	40	37	479	73	49	438	N.A.	Topo.	542,1215

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, flagstuffs and like objects are not sufficiently permanent to chart.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

C. & G. SOWER
L. C.
APR 18 1923
No.

REG. NO. 4408

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 Letter B

REGISTER NO. 4408

State New York

General locality Long Island

Locality Jamaica Bay, Central Portion

Scale 1:10,000 Date of survey Oct. - Nov., 19 28

Vessel Launch MARINDIN

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 August 6, 19 28

Remarks: _____