

5778

8225

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey Air Photo (Topographic)	
Field No. 5778	Office No. 5778
LOCALITY	
State New York	
General locality East River	
Locality Flushing Bay	
1940	
CHIEF OF PARTY	
T.B. Reed, Field Records Section	
LIBRARY & ARCHIVES	
DATE	

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

T5778

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. 5778

REGISTER NO.

T5778

State New York

General locality East River Flushing Bay

Locality Flushing Bay

Scale 1:10,000 Date of survey July 4, 1940, 19

Vessel Air Photos

Chief of party T.B. Reed

Surveyed by

Inked by

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated, 19

Remarks:

T5778

DATA RECORD

Nine lens photographs taken July 4, 1940

4956 to 4960

4962 to 4964

4966 to 4967

Stage of tide from predicated tables: approximately Mean High Water

Date of Survey:

Field inspection of T-5778 consisted of a ground inspection of a print of the compiled map and covered the shoreline and shoreline structures such as piers and piling. In addition to the above, inspection surveys of F. R. Riddell in October 1940 (filed as chart letter 689, 1941 and as Field Examination 7, 1940) were used for details not clear on the photographs.

No field inspection was made of the interior of the map with exception of a check of the complicated road system north of the fairgrounds.

Details on T-5778 are of the date of the photographs except for minor changes in shoreline structures as noted by the field inspection and as taken from the references quoted in the preceding paragraph.

Compiled by S. V. Griffith as a rough drawing
Field Inspection by H. A. Cotton
Projection on Ruling Machine by J. P. Dunich
Control plotted by S. V. Griffith
Control checked by J. P. Dunich

Reference Station: White Stone Schoolhouse 1908
Lat. 40° 47' 09.844 (303.7 meters)
Long: 73° 49' 02.524 (59.2 meters)

Datum North American 1927

T5778

Descriptive Report and Review T-5778

Section of Field Records

T-5778 covers the same area as T-5088 (1933) and was compiled on a blue-line print on celluloid of T-5088

It was intended to revise T-5088 by adding new details shown on the 1940 photographs. However, numerous errors in position were found on T-5088 and it was necessary to change most of the details. Therefore, this recompilation has been given a new number (T-5778) and supersedes T-5088. T-5088 has been withdrawn from sale and a note made on the file copy referring to T-5778.

Control

Since this compilation was made on a blue-line print of T-5088 as a base, the control consisted of those stations already plotted on 5088 with the addition of a number of triangulation stations established in 1938 and 1940. No field inspection of this control was made for T-5778. Many of the control points were prominent objects and could be identified in the office, and the field inspection notes made in 1934 for T-5088 were available for stations recovered at that time.

Radial Plot

In making the plot each nine lens photograph was fixed individually on ground control. Several photographs were badly tilted. In these cases directions were taken from the plumb points rather than from the principal points.

Field Inspection and Interpretation of Details

The field inspection covered the shoreline and shoreline structures only. This inspection was made by H. A. Cotton in January 1941 and consisted of a ground examination of the compiled map. Field inspection notes are filed in the Air Photo. Section. A field examination of this area for chart 226 in October 1940 by F. R. Riddell (chart letter 689-1940, and Field Examination 7, 1940) furnished additional information for the deletion of certain piling, and as a general check on the office interpretation of the photographs. All shoreline structures and objects such as piers, piling, and wrecks shown on T-5088 have been carried forward on T-5778 unless definitely disproved by the field inspection.

No field inspection was made of the interior with the exception of checking the compilation of the complicated road system north of the fairgrounds and inspection of landmarks. In the interior of the map, details on T-5088 have been carried forward on T-5778 unless clearly disproved by an office examination of the photographs. (An exception to the preceding sentence is the deletion from 5778 of a number of small buildings back from the shore which were shown on T-5088 but which were of no useful purpose on the map.)

The southern end of the Flushing Bay breakwater, shown on T-5088, has been left off of T-5778 as it is not carried on the latest print of chart 226.

Comparison with Previous Topographic Surveys

T-5088, (1:10,000) 1933. T-5778 supersedes T-5088. See preceding pages of this report.

For a comparison with surveys prior to T-5088 refer to the review of T-5088.

Contemporary Hydrographic Surveys

None

²⁰⁰Graphic Control Surveys

[^] None

²⁰⁰Graphic Names

[^] These were not examined by the field inspection for T-5778 and have been carried forward from T-5088 and checked by the Geographic Name Section for recent changes.

Bridges

The first bridge from the entrance to Flushing Creek is new and the second bridge has been rebuilt. Both of these are draw-bridges but neither the type of the bridges nor their clearance were determined by the field inspection.

Charts 226 (print of 10/3/40) and Chart 223 (print 5/6/40)

Several of the fixed aids to navigation in this area have been rebuilt since the date of location shown on T-5088. (Aid Proof and 1940 Light List). These are not shown on T-5778 as they are not visible on the photographs and could not be located in their new positions.

The landmark West Radio Tower, Chart 226, Lat. 40 46.3, Long. 73 50.8 has been removed. (Chart letter 689-1940 and chart letter 163-1941)

The landmark Tank (this is the middle one of three tanks) on chart 226, Lat. 40-46.8 Long 73-53.9', has been destroyed (chart letter 689, 1940 and photographs).

The landmark House Cupola, Lat. 40-46.7 Long 73-53.8 has been relocated in position (changed about 10 meters) on T-5778. It was originally located on T-5088.

The landmark La Guardia Airport Light (chart 226) is out of position about 30 meters as compared to the geographic position determined by triangulation in 1940 and shown on T-5778. (Reported to Nautical Chart Section 2/28/41)

T-5778 was applied to chart 223 about February 26, 1941, just prior to this review. No changes have been made in T-5778 since its application to chart 223 with the exception of changes in the roads north of the fairgrounds and the deletion of triangulation station Trylon on the fairgrounds.

Compiled and reviewed by S. V. Griffith

Inspected by B. G. Jones 3/3/41 and 4/29/41 *B.G. Jones*

Robert W. King

Chief, Surveys Section

J. B. Borden

Chief, Division of Charts

K. T. Adams

Chief, Section of Topography

G. H. Rude

Chief, Division of Coastal Surveys

GEOGRAPHIC NAMES

T5778

Survey No. T-5778

No. 1

Name on Survey	Source									
	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
Last River										1
Flushing Bay										2
Rikers Island Channel										3
College Pt.										4
Chisholm Park										5
Bayview Bay										6
Lawrence It.										7
La Guardia Field										8
Jackson Creek Basin										9
Leinway										10
Astoria										11
Corona										12
North Beach										13
East Elmhurst										14
Rowell Cove										15
Tallman Island										16
College 55th Point (residential area)										17
Malba										18
Whitestone Pt.										19
Whitestone										20
Bronx Whitestone Bridge										21
Little Bay										22
Beachhurst										23
Cape Ruth										24
Mill Creek										25
Flushing Creek										26
Flushing										27

Remarks

Decisions

	Remarks	Decisions
1		107739
2		10778
3	Not Rickers	"
4		"
5		"
6		"
7		107739 U.S.G.B.
8		10778
9		"
10		107739
11		"
12		10778
13		"
14		"
15		"
16		"
17		" U.S.G.B.
18		"
19		10878
20		10778
21		"
22		10777
23		"
24		10778
25		"
26		"
27		"

GEOGRAPHIC NAMES

T5778

Survey No. T-5778

No. 2

Name on Survey

Name on Survey	Source										No.
	A	B	C	D	E	F	G	H	K		
Flushing Airport											1
Flushing Cemetery											2
St. Michaels Cemetery											3
Clearview Golf Course											4
Bonne Park											5
Flushing Meadow Park											6
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Names underlined in red approved
by Lotbeck on 10/22/42

T5778

T-5778, No. 2

Remarks

Decisions

	Remarks	Decisions
1		077.8
2		"
3		"
4		077.7
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Applied to Chart 223 - March 4, 1941 K. R.

" " " 226 - April 1941 J. W.

" " " 1213 - " " J. W.

" " " 223 - Reexamined June 1949 - RDC