

1667a

Diag. Ch. No. 369-3

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: New York

11-5013

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 1667a

LOCALITY:

Upper New York Bay

Kill VonKull

Off New Brighton, Staten I.

1920

CHIEF OF PARTY:

R. J. Auld

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DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 1667^a

Surveyed in 1920.

Chief of Party: R. J. Auld.

Surveyed by R. J. Auld.

Protracted by R. L. Johnston.

Soundings by R. L. J.

Inked by R. L. J.

Verified by E. P. Ellis.

1. The records do not conform to the General Instructions. The usual information notes were omitted. No reference was made to tidal data. Positions were not numbered. No bottom characteristics were noted although this was important in this work. Boat's course not noted. Locations of beginnings and endings of lines not stated.
2. The plan and extent of development do not fulfill the requirements of the General Instructions. Tidal observations were not made. The control is not good - objects shown on the chart were used which were not located accurately enough to be employed as signals.
3. The extent of development does not fully satisfy the specific instructions. Line 8^c to 9^c contains two five foot soundings. The barge apparently struck on one of these spots. One of them has no soundings nearer than 30 meters.
4. The crossings of sounding lines are not good and the depth curves are excentric. Defective control is believed to be the cause of these defects.
5. In addition to an unusual amount of time spent on supervision the office draftsman required ten days to plot and ink the work. This excessive amount of time was caused by the attempt to adjust the objects used as signals and to some extent by the condition of the records. The records as they now stand have had some of the shortcomings supplied.
6. Rating of the work: Character and scope of the surveying: Poor.
Field drafting: None submitted.
7. Reviewed by: E. P. Ellis, October 5, 1920.
8. Two copies of this report to be sent to Division of Hydrography and Topography.

DIRECTOR

ADDRESS THE SUPERINTENDENT

U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 41-EMK

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

August 30, 1920.

Hyd. sheet 1667a

Division of Hydrography and Topography.

Division of Charts.

Tidal reductions are approved in
1 volume of sounding records for

INVESTIGATION OF REPORTED SHOAL

Kill Van Kull off New Brighton, Staten I.
By R. J. Auld in 1920.

Plane of reference is
Mean low water reading

3.6 ft. on tide staff at Ft. Hamilton, L.I.



Chief, Section of Tides
and Currents.

DIRECTOR

ADDRESS THE SUPERINTENDENT

U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 41-EMK

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

October 2, 1920.

Hyd sheet 16672

Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in
1 volume of sounding records for



INVESTIGATION OF REPORTED SHOAL

Kill Van Kull, off New Brighton, Staten Id., N.Y.
By Robert J. Auld in 1920.

Plane of reference is
Mean low water, reading

3.6 ft. on tide staff at Ft. Hamilton, Long Id.

Allowance made for difference in tide at place
of soundings.

Condition of records, satisfactory.

A handwritten signature in cursive script, appearing to read "R. J. Auld".

Chief, Section of Tides
and Currents.

Forwarded:

A handwritten signature in cursive script, appearing to read "M. S. Parker".

Chief, Div. of Hydro and Top'y

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 1667^e

State . . . New York

General locality . . . New York Upper Bay

Locality . . . Kill van Kull

Chief of party . . . R. J. Auld

Surveyed by . . . R. J. Auld

Date of survey . . . 1920

Scale $\frac{1}{2500}$

Soundings in . . . Fath

Plane of reference . . . M. L. W.

Protracted by R. d. Johnston Soundings in pencil by R. d. Johnston

Inked by R. d. J. Verified by E. P. Lewis

Records accompanying sheet (check those forwarded):

Des. report, _____ Tide books, _____ Marigrams, _____ Boat sheets,
1 _____ Sounding books, _____ Wire-drag books, _____ Photographs.

Data from other sources affecting sheet

Remarks: