

4695

Diag. Chrt. 1213-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey

Topographic

Field No.

Office No.

4695

LOCALITY

State

Connecticut

General locality

Cedar Pt.

Locality

to Black Rock

L.H. Long Island Sound

194

CHIEF OF PARTY

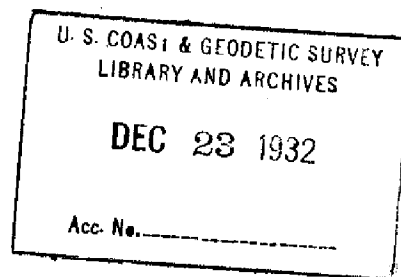
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DATE

December 23, 1932

4695

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4695

Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
R. S. Patton, Director	
<div></div>	
State: Conn.	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. D 4695
LOCALITY	
Cedar Pt. to Black Rock L. H.	
Long Island Sound	
1932	
CHIEF OF PARTY	
S. B. Grenell, Jr., H. & G. E.	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4695

TOPOGRAPHIC TITLE SHEET

Aluminum mounted

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. D

REGISTER NO. 4695

State Connecticut

General locality Long Island Sound

Locality Black Rock L. H. to Cedar Pt.

Scale 1:20,000 Date of survey Aug., 20-25., 1932

Vessel Project HT-103

Chief of Party S. B. Grenell, Jr. H&C. Engr.

Surveyed by William F. Deane, Aid

Inked by W. F. D.

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

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

Instructions dated August 10., 1932, 192

Remarks: Limited time prevented a survey of inland features
and only the H. W. line on the outside shore was obtained.

DESCRIPTIVE REPORT TO ACCOMPANY

TOPOGRAPHIC SHEET "D"

CEDAR POINT TO BLACK ROCK L.H.

LONG ISLAND SOUND

1932

INSTRUCTIONS :

This work was done under the Director's Instructions dated Aug. 10, 1932.

CONTROL :

The third order triangulation stations determined in 1932 and recovered stations of previous work were used.

METHOD :

The usual plane table survey was done with three point fixes and resections used for positions. All traverses were checked at successive stations by resections. All traverse closures were within the allowable limits.

JUNCTION :

This sheet joins Topographic Sheet "A" on the westward.

GENERAL DESCRIPTION :

The shoreline easterly from Cedar Point to Sherwood Point consists of a sandy beach interspersed with occasional marshy and rocky areas. From Sherwood Point to Frost Point the beach is sandy with a boulder strewn area off Frost Point. From Frost Point to Shoal Point the beach is generally sandy with occasional rocks, however there is a small marshy area on the west side of Southport Harbor. From Shoal Point to the creek to the north the shoreline

consists of a sandy beach, while from this creek northeastward to topographic signal MEL the shoreline consists of scattered boulders. Inner Black Rock Harbor to the westward is marshy; the west side, however, is sandy with scattered rocks near Black Rock L.H.. With the exception of boulder strewn areas surrounding the spit on which Black Rock Light House is located, the beach is sandy from there eastward to the limit of the sheet.

CHANGES :

The shoreline is essentially the same because of the prevalence of dykes, jetties and bulkheads. The area from Pine Creek Point westward to Kensie Point has undergone change; erosion and tidal deposits have contributed most to the change.

LANDMARKS :

The landmarks are listed on Form 567, "Landmarks for Charts".

Approved and forwarded.

S.B. Grenell
S.B. Grenell,
Chief of Party.

Respectfully,

William F. Deane
William F. Deane
Aid, C. & G.S..

Station	Latitude			Longitude			Description
	Degrees	Mins.	Meters	Degrees	Mins.	Meters	Recoverable Stations
Iron	41	06	648.1	73	20	1050.0	Iron stake
Dan	41	06	1258.5	73	20	987.2	S.E. corner dock house
Tall	41	06	1295.6	73	19	1235.2	Tallest chimney on point
Far	41	06	1770.0	73	19	224.1	S.W. corner green house
Big	41	07	3.0	73	19	47.1	W'ly chim. red roofed house
Mil	41	07	259.5	73	18	955.0	Red and White windmill
Dot	41	06	1775.0	73	18	445.2	S.E.'ly gable watch house
Gabe	41	07	500.0	73	18	1121.4	E'ly gable watch house
Tip	41	07	203.1	73	15	1021.5	S. end yel. house on pt.
Yap	41	07	543.6	73	15	606.3	Diving platform
Oil	41	07	826.2	73	15	391.4	Flag pole
Wave	41	07	1111.7	73	14	1294.8	Flag pole
Wet	41	07	1265.0	73	14	834.7	S. gable blue house
Bath	41	08	145.6	73	14	680.4	Tower on bath house
Kid	41	08	1170.0	73	13	851.0	Iron frame
Gun	41	08	1462.1	73	13	691.3	F.P. Black Rock Yacht Club

Topo. Sheet "D"
T4695

REVIEW OF GRAPHIC CONTROL SURVEY T- 4695, SCALE 1,20,000Date of Review *Aug 16, 1935*

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T- , , , with particular attention to the following details:

- (a) Projection has been checked in the Field.
- (b) Accuracy of location of plane table control points.
- (c) Discrepancies between detail on this survey and the air photo compilations listed above.
- (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T- , , , for a more complete discussion of any errors or discrepancies found.

Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

Notes and corrections resulting from the review are shown on this survey in green.

Refer to T-5262 for complete detail in this area.

See pages 6, 7, 8, 15 and 16 of the Descriptive Report of T-5262 for discussion of errors and relocation of detail on T-4695.

J³
8.16-35

Section of Field Records

Review of Topographic Survey T-4695 (1932)

Black Rock L. H. to Cedar Pt., Long Island Sound, Connecticut

Surveyed: August 1932

Instructions dated: August 10, 1932

Chief of Party: S. B. Fennell

Surveyed by: W. F. Drane

1. Conditions of Records

The records conform to the requirements of the Topographic Manual with the following exceptions:-

- a. Recoverable Topographic Stations, although listed in the Description Report, were not submitted on Form 524.
- b. Additional development for low water and offlying rocks has been ordered. This matter is listed under "Unfinished work" and will be disposed of when the work arrives from the field.

2. Compliance with Instructions for the Project

The survey complies with the instructions for the project.

3. Junction with Contemporary Surveys

A satisfactory junction was made with T-4696 (1932)

4. Comparisons with Prior Surveys

a. T-19 (1835)

The high water line has changed very little since the time of the first survey. The present survey shows only a small portion of the low water line. Although boulders bare off some of the points, they were not transferred to the present survey because they are inside of the ^{present} water line and the older surveys ~~must~~ be used in the compilation of the low water line.

b. T. 1527 (1883)

The agreement between the high water lines of the two surveys is good. Some of the points seem to have built out but only slightly. The greatest change has occurred between Pine Creek Point and Kenzie Pt. in about Long 73-16 where considerable building out has occurred (see D. R. page 2). Flyerweather Island on which southern tip the Black Rock L. H. is located, was formerly an island at high water but now appears that it probably joins the mainland to the east of the ~~former~~ limits of the present survey. Practically no low water line or offlying rocks were located on the present survey, but it was not attempted to carry anything forward as additional investigation of these features has been ordered and this matter will be disposed of after this additional work is completed.

T-2837 (1908) and T-2936 (1909)

There are revision surveys on charts. The revision work was confined almost exclusively to wrecks features. There is no conflict between the resurveyed portions and the present survey.

5. Field Drafting

The field inkling of the survey is good

6. Additional Field Work Recommended

The survey is complete only as far as the high water is concerned. Rocks and other low water features are to be determined by a hydrographic investigation and for that reason no additional plane table work is recommended.

7. Superseding Prior Surveys

Insofar as the topography actually covered in the present survey is concerned, it supersedes the following surveys for charting purposes:—

T-19 (1835) in part
T-1527 (1883) in part
T-2837 (1908) in part
T-2936 (1909) in part

Reviewed by: *Ed. J. F. J. J. J.* March 1935

Approved
CKG