

# FE 191

## WIRE DRAG

Diagram No. 1213-3

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

### DESCRIPTIVE REPORT (HYDROGRAPHIC)

Type of Survey ... Field Examination .....  
Field No. .... S.P.-1-63 .....  
Office No. .... FE-191 .....

#### LOCALITY

State ..... Connecticut .....  
General Locality ... Long Island Sound .....  
Locality ..... Centerport Harbor .....

1963

CHIEF OF PARTY  
E.K. McCaffrey

#### LIBRARY & ARCHIVES

DATE ..... October 25, 1963 .....

☆ U.S. GOV. PRINTING OFFICE: 1978-666-172

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are now consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as;

FE No.5 1963

FE 191

WIRE DRAG

# FE No. 5 1963

FE-191

AEI

*JM*

Diag. Cht. No. 1213-3.

<b>Form 504</b> U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY  <b>DESCRIPTIVE REPORT</b>	
Type of Survey	Special Investigation
Field No.	S.P. 1-63
Office No.	1963
<b>LOCALITY</b>	
State	Connecticut
General locality	Long Island Sound
Locality	Centerport Harbor
<u>1963</u>	
<b>CHIEF OF PARTY</b> E. K. McCaffrey	
<b>LIBRARY &amp; ARCHIVES</b>	
DATE	October 25, 1963

USCOMM-DC 5087

L-512/63  
Ref: L-912/62

Chts 224  
117-c app'd 8/24/65 RRA  
1213 App'd 9-17-64 GEM

1963  
FE No. 5

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER NO. F.E.No.5-1963

Field No. S.P. 1-63

State Connecticut

General locality Long Island Sound

Locality Centerport Harbor

Scale \_\_\_\_\_ Date of survey 25-26 April 1963

Instructions dated 3/19/63

Vessel WAINWRIGHT AND HILGARD

Chief of party E. K. McCaffrey

Surveyed by \_\_\_\_\_

Soundings taken by fathometer, graphic recorder, hand lead, wire \_\_\_\_\_

Fathograms scaled by \_\_\_\_\_

Fathograms checked by \_\_\_\_\_

Protracted by \_\_\_\_\_

Soundings penciled by \_\_\_\_\_

Soundings in fathoms feet at MLW MLLW \_\_\_\_\_

REMARKS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

FE 5 (1963)

UNITED STATES GOVERNMENT

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

# Memorandum

TO : The Director  
Coast & Geodetic Survey

DATE: 18 Aug. 1963

FROM : Commanding Officer  
USC&GS Ships WAINWRIGHT & HILGARD  
% General Delivery, Fairhaven, Mass.

SUBJECT: REPORT, SPECIAL PROJECT 1-63 - CENTERPORT HARBOR, LONG ISLAND OBSTRUCTION

- REFERENCE:
- (a) Instruction - Special Project 1-63, Hydrographic and Wire Drag Investigations. 2100 B-pt, S-2-W&H 3/19/63
  - (b) Preliminary Report, Special Project -1-63, Centerport Harbor, Long Island Obstruction (from this Command) dated 5/9/63
  - (c) H. O. Notice to Mariners 33/62 paragraph 4286
  - (d) H. O. Notice to Mariners 24/63 paragraph 3039

In accordance with above reference (a) instructions a wire drag investigation was conducted in Centerport Harbor approaches to determine the least depth on a reported obstruction. At the point of the charted obstruction there is a mooring buoy, owned and maintained by the New York Trap Rock Corporation. A position was obtained on the buoy and is *about* identical to the position of the charted obstruction.

*54 meters NW from*

An echo-sounder investigation of the area indicated a least depth of twenty-six (26) feet, approximately twenty-five (25) yards East of the buoy. The fathogram of the investigation is attached to this report. The area was subsequently dragged and cleared to twenty-six (26) feet on both sides of the buoy mooring, hanging it on two strips. Successively deeper drags to thirty-three (33) feet grounded on the charted shoal extending westward from the charted obstruction.

*See Review*

It is recommended that the mooring buoy be charted along with the least depth obtained. (See reference d)

Tidal data was furnished by the Washington Office from the standard gage at Willetts Point, N. Y., in the form of a tabulation of inferred hourly heights for Centerport Harbor, Long Island, N. Y.

Enclosed is a wire-drag overlay (chart 224) and a list of signals used for position control.

*Edwin K. McCaffrey*  
Edwin K. McCaffrey

- Encl: Overlay of subj. area  
List Of Signals  
Fathogram

DWC/jrb

L I S T   O F   S I G N A L S

SP-1-63

CENTERPORT HARBOR, LONG ISLAND OBSTRUCTION

TRIANGULATION

<u>Signal</u> <u>Name</u>	<u>Source</u>
OLD	Old Field Point Lighthouse, Old Tower, 1882
DOME	West Neck, Immaculate Conception Seminary Dome, 1931

HYDROGRAPHIC

MAC	Volume No. 2, Page 1
DOR	Volume No. 2, Page 1

Additional triangulation used in locating signals MAC & DOR:

Northport, West Stack, 1916  
Northport water works, TANK, 1939  
Halesite, Great Neck, water tank, 1939  
Lloyd Harbor old lighthouse, 1883  
Lower Halesite, water tank, 1939  
Greenlawn, standpipe, 1930  
Bayliss, flagstaff, 1916

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

December 16, 1963

Nautical Chart Division: R. H Carstens

Plane of reference approved in  
2 volumes of sounding records for

HYDROGRAPHIC SHEET FE NO. 5 1963

Locality Centerport Harbor, <sup>New York</sup> ~~Connecticut~~

Chief of Party: E. K. McCaffrey (1963)

Plane of reference is mean low water reading

ft. on tide staff at

ft. below B. M.

Height of mean high water above plane of reference is: 7.2 ft.

Condition of records satisfactory except as noted below:

*J. M. Symons*  
Chief, Tides and Currents Branch

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E.No. 5-1963

Records accompanying survey: Smooth sheets 1-paper copy  
 boat sheets .....; sounding vols. ....; wire drag vols. 2....;  
 Descriptive Reports 1...; graphic recorder envelopes 1...;  
 special reports, etc. ....  
 .....

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	.....	36
Number of positions checked	.....	16
Number of positions revised	.....	3
Number of soundings revised (refers to depth only)	.....	0
Number of soundings erroneously spaced	.....	0
Number of signals erroneously plotted or transferred	.....	0
Topographic details	Time .....	0
Junctions	Time .....	0
Verification of soundings from graphic record	Time .....	1
Special adjustments	Time .....	2

Verification by *A. H. Jones, Jr.* Total time 20.0 Date 9-4-64

Reviewed by *Lu Zestkind* Time 8.0 Date 9-9-64

Review-Field Examination 5, 1963  
Centerport Harbor, Long Island, N. Y.

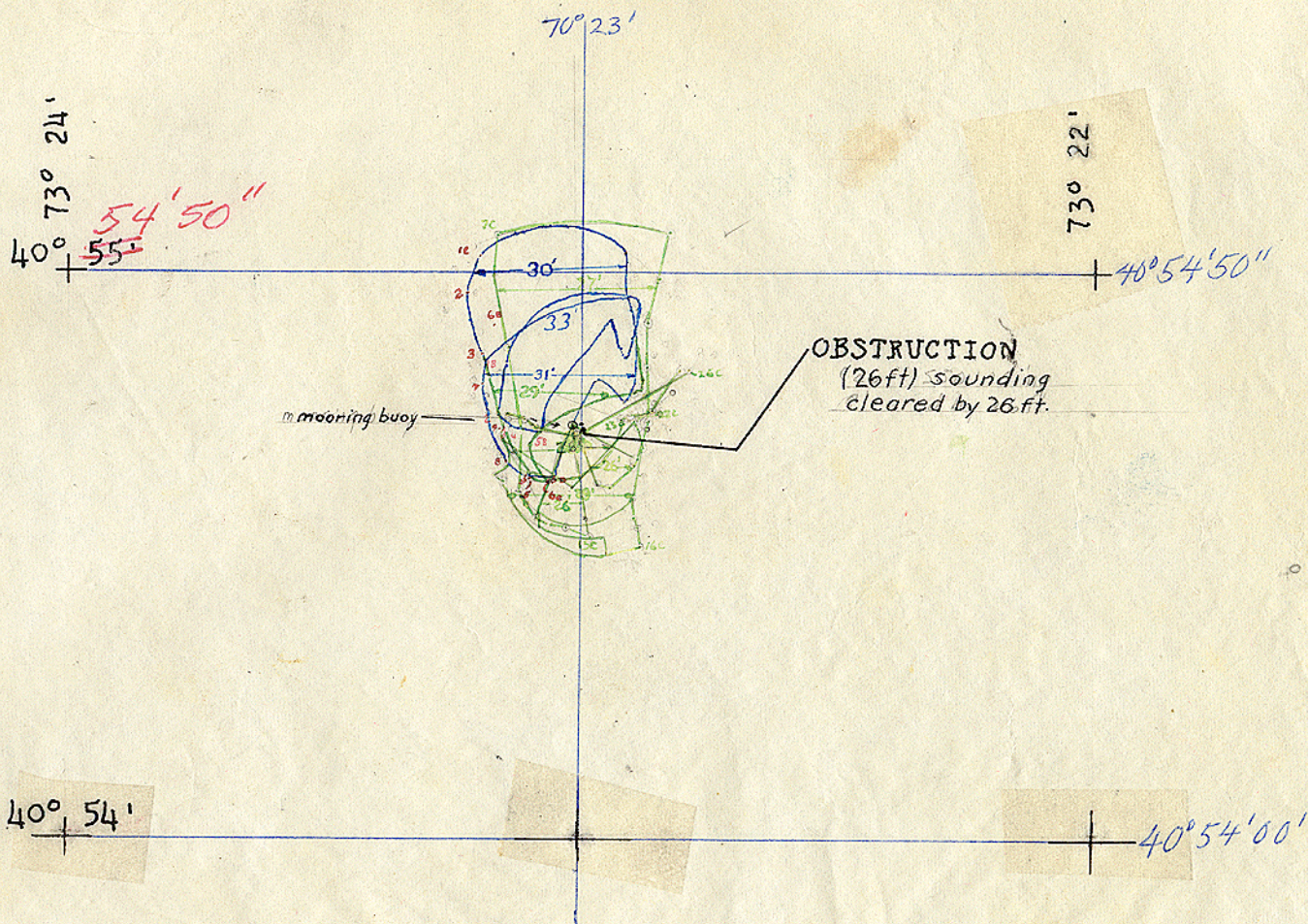
1. A wire-drag examination was made in compliance with Special Project 1, 1963, dated 19 March 1963.
2. The purpose of the examination was to locate and determine the least depth over a load of crushed stone reported lost at the entrance to Centerport Harbor, Long Island, N. Y. in 30 ft. of water about 1900 yards,  $46^{\circ}30'$  true from a tank located in lat.  $40^{\circ}53'27''$ , long.  $73^{\circ}23'54''$ .
3. The results of the examination are shown on the accompanying wire-drag plot on tracing paper inserted in the Descriptive Report. A mooring buoy marking the obstruction was hung in lat.  $40^{\circ}54.61'$ , long.  $73^{\circ}23.01'$ , by a wire-drag set to an effective depth of 26 ft. A least depth of 26 ft. was obtained by a depth recorder on the obstruction, which the field party states is located 25 yards east of the mooring buoy. Although the small scale of the chart precludes a positive check on the clearance of the obstruction, the hydrographer hung the buoy marking the obstruction from opposite directions. Charting should, therefore, be in accordance with the hydrographer's statement that the obstruction was cleared at 26 ft.
4. A comparison with chart 224, corrected to 9 August 1964, shows the mooring buoy to be located on the field examination 54 meters northwest of its charted position and the charted clearance-depth differing similarly in position.
5. The Descriptive Report covers all other matters pertaining to this examination. No further discussion is considered necessary.

Reviewed by-I. M. Zeskind

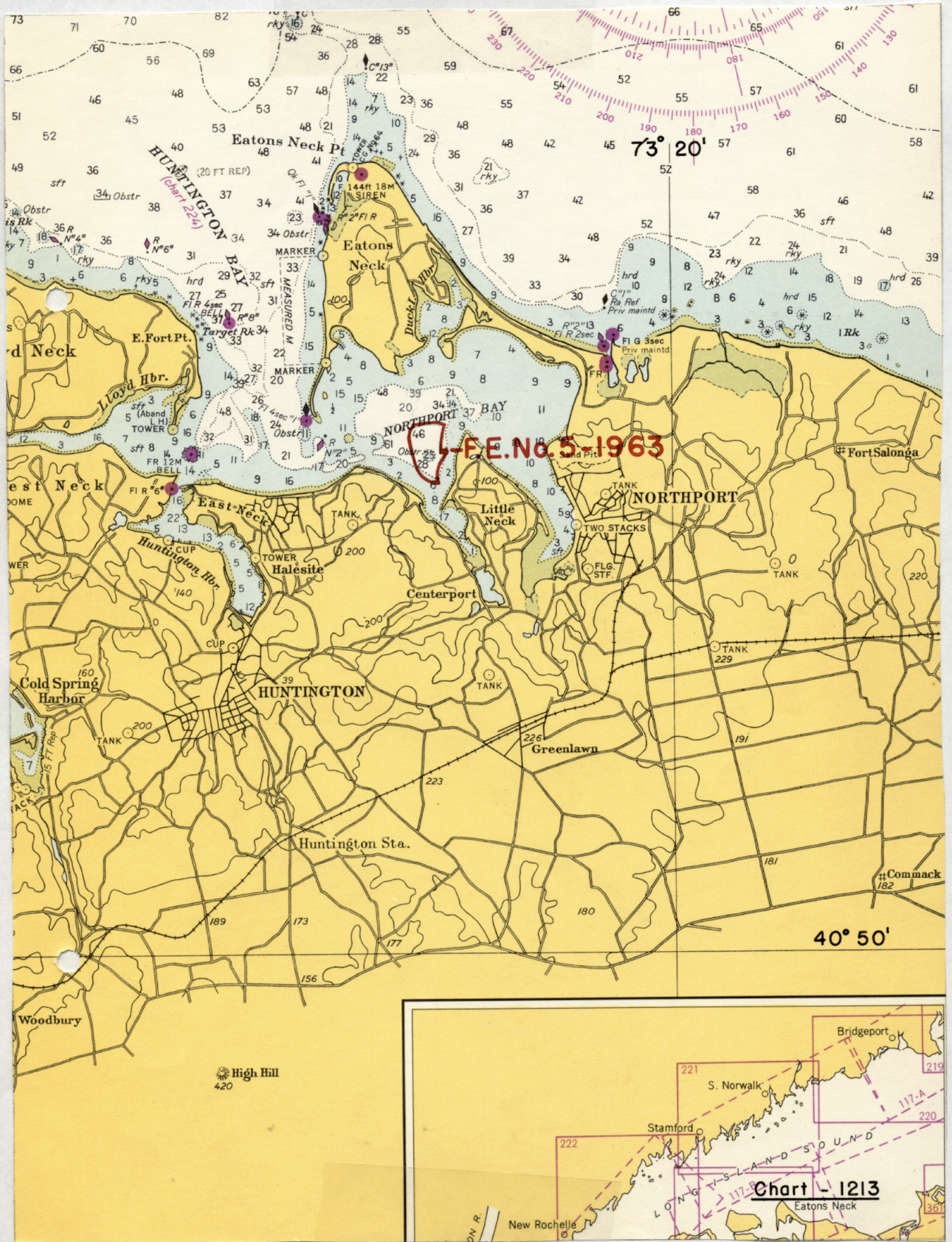
9/8/64

Inspected by - R. H. Carstens





USC&GSS WAINWRIGHT & HILGARD  
 SPECIAL PROJECT 1-63  
 CENTERPORT HARBOR OBSTRUCTION  
 CENTERPORT HARBOR, LONG ISLAND  
 SCALE OF CHART 224  
 APRIL 1963  
 LCDB. E. K. McCAFFREY, CHIEF OF PARTY



F.E. No. 5-1963

Chart - 1213  
Eatons Neck

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. F.E.No.5-1963

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

- 1. Letter all information.
- 2. In "Remarks" column cross out words that do not apply.
- 3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
224	5/26/64	Edward O'Neill	<del>Full Part Before After Verification Review Inspection Signed Via</del> Drawing No. <u>No corr</u>
1213	9-17-64	G.R. McCann	Full <del>Part Before</del> After Verification Review Inspection Signed Via Drawing No. <u>31</u>
224	6-16-65	R. K. LeSawder	Full <del>Part Before</del> After Verification Review Inspection Signed Via Drawing No.
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