

# FE181

## WIRE DRAG

Diagram No.4 1961

NOAA FORM 76-35A

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

### DESCRIPTIVE REPORT

(HYDROGRAPHIC)

Type of Survey ... Wire Drag .....

Field No. .... SP-4-61 (f) .....

Office No. .... FE-181WD .....

#### LOCALITY

State ..... Massachusetts .....

General Locality .. Rhode Island Sound .....

Locality ..... Seventeen Foot Ledge .....

1961

CHIEF OF PARTY  
D.G. Rushford .....

#### LIBRARY & ARCHIVES

DATE ..... Ocotober 11, 1961 .....

# FE181

## WIRE DRAG

☆ 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.4 1961WD

# FENo.4 1961

## WIRE DRAG

Diag. Cht. No. 1210-3.

Form 504

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

### DESCRIPTIVE REPORT

Type of Survey Wire Drag Investigation

Field No. SP-4-61(f) Office No. F.E.No. 4-196  
Wire Drag

#### LOCALITY

State Massachusetts

General locality Rhode Island Sound

Locality Seventeen Foot Ledge

1961

CHIEF OF PARTY

D. G. Rushford

LIBRARY & ARCHIVES

DATE October 11, 1961

USCOMM-DC 5087

FENo.4 1961

WIRE DRAG

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.4-1961 W.D.

Field No. S.P. 4-61(f)

State Massachusetts

General locality Rhode Island Sound *Rhode Island Sound*

Locality Seventeen Foot Ledge

Scale 1:20,000 Date of survey May 23 and 24, 1961

Instructions dated March 15, 1961

Vessel Wainwright and Hilgard

Chief of party D. G. Rushford

Surveyed by Ship's Personnel

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

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

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

Protracted by Ship's Personnel

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

Soundings in fathoms feet at MLW MLLW

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

USC&GS SHIPS WAINWRIGHT & HILGARD

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

% N.A.L.F.  
Charlestown, Rhode Island

26 September 1961

Director  
Coast and Geodetic Survey  
U. S. Department of Commerce Building  
Washington 25, D. C.

SPECIAL REPORT - SPECIAL PROJECT 4-61(f), WIRE DRAG, WRECK OF "HILDA GARSTON" AND REPORTED OBSTRUCTION, 17-FOOT LEDGE, MASS.

Under separate cover will be forwarded one (1) boat sheet (Chart 237), drag test records, drag records, tidal and miscellaneous data.

The project area was cleared to effective depths as close to the bottom as practical.

Four (4) obstructions were located within the project area and are described as follows:

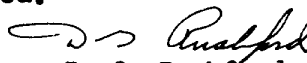
1. A boulder covered 20.5' MLW ( $41^{\circ}26'25''N$ ,  $71^{\circ}02'13''W$ ) Clear 20'
2. " " " 33.5' MLW ( $41^{\circ}02'12''N$ ,  $71^{\circ}02'00''W$ ) Clear 20'
3. " " " 34.5' MLW ( $41^{\circ}26'01''N$ ,  $71^{\circ}02'33''W$ ) Clear 33'
4. Mast of "HILDA GARSTON" covered 12.5' MLW ( $41^{\circ}26'52''N$ ,  $71^{\circ}02'08''W$ )

The above obstructions except the wreck were determined by wire drag hangs and investigated by "SCUBA" divers. Depths were obtained by use of a leadline and positions by sextant fixes.

The wreck had been buoyed prior to commencement of this project and was simply investigated by "SCUBA" divers who obtained the necessary information.

Tide reducers were based on actual tides of the Newport, R. I. standard gage and were obtained from the Washington Office.

Although obstructions were found none were shoal enough to have caused the wreck of the "HILDA GARSTON". It is recommended that the reported obstruction be removed from the chart. No further wire drag is recommended in this area.

  
D. G. Rushford

Enc.: A&D diagram

CWR/jrb

REVIEW

Field Examination No. 4, 1961

This field examination was accomplished in compliance with the Director's letter dated 15 March 1961.


The purpose of the field examination was as follows:

1. To search by means of wire-drag for the obstruction which the fishing vessel HILDA GARSTON, reported hitting in approximate lat.  $41^{\circ}25.9'N.$ , long.  $71^{\circ}02.0'W.$
2. To verify the least depth and position of the sunken HILDA GARSTON reported in lat.  $41^{\circ}26.9'N.$ , and lat.  $71^{\circ}02.1'W.$

The results of the wire-drag examination are shown on the accompanying A and D sheet and a section of Chart 237 dated 6-27-60.

The work was applied to Chart 237 (print date 9-3-62) and Chart 1210 (print date 5-28-62) before verification and review; the charted information is correct.

The Descriptive Report adequately covers all other matters pertaining to this examination. No further discussion is considered necessary.

  
Marvin T. Paulson, Chief  
Nautical Chart Division

Reviewed by: J. P. Weir

February 5, 1963

Inspected by: I. M. Zeskind

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E.No.4 (1961) W.D.

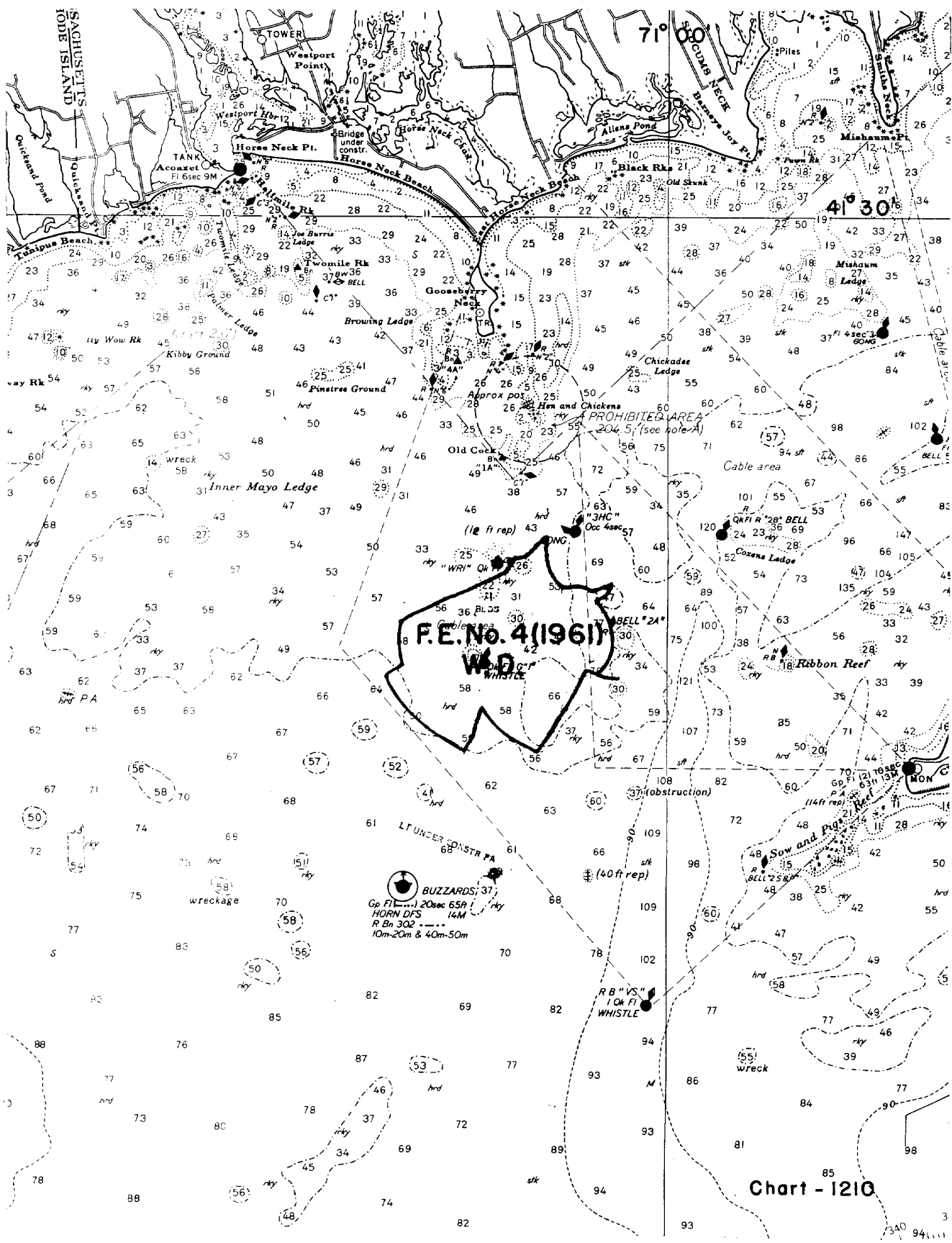
Records accompanying survey: Smooth sheets .....;  
 boat sheets .1...; sounding vols. ....; wire drag vols. ..3...;  
 Descriptive Reports .1...; graphic recorder envelopes .....;  
 special reports, etc. 1-Area and Depth Sheet.....  
 .....

The following statistics will be submitted with the cartog-  
 rapher's report on the sheet: WD

Number of positions on sheet	..92..
Number of positions checked	..28..
Number of positions revised	..1...
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 ...0..
Special adjustments	Time ..30h.

Verification by *John P. Weir*..... Total time 20.0. Date 2/5/63.

Reviewed by *John P. Weir*..... Time .8.0. Date 2/5/63



04'

03'

02'

01'

71° 00'

70° 59'

41° 27'

12 Wk  
Wreck of the  
"HILDA GARSTON"

"WR1"

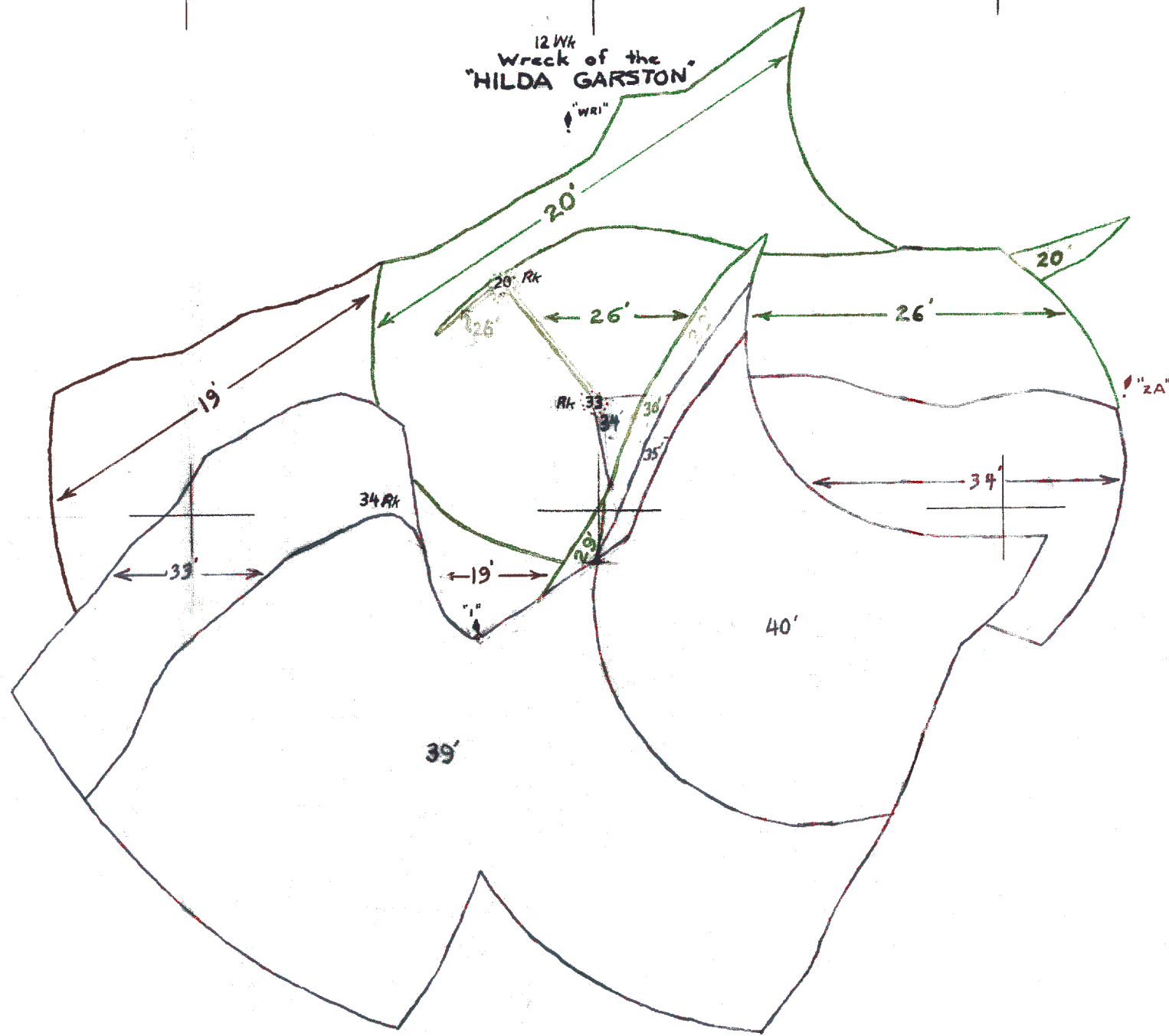
28' Rk

Rk 33

34 Rk

"ZA"

41° 26'

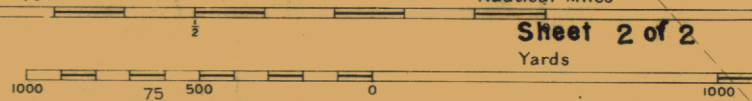


FIELD EXAMINATION No.4,1961  
 A & D SHEET  
 SPECIAL WIRE-DRAG SURVEY  
 RHODE ISLAND SOUND, MASS.  
 Soundings in feet at M L W  
 Scale: 1:20,000  
 Ships Wainwright & Hilgard  
 Sheet 1 of 2





FIELD EXAMINATION No. 4, 1961  
 SPECIAL WIRE-DRAG SURVEY  
 RHODE ISLAND SOUND, MASS.  
 Soundings in feet at MLW  
 Scale: 1:20,000  
 Ships Wainwright & Hilgard



Sheet 2 of 2

Compiled and printed at Washington, D. C. by  
 U. S. DEPARTMENT OF COMMERCE  
 Frederick H. Mueller, Secretary  
 COAST AND GEODETIC SURVEY  
 H. Arnold Kuro, Director

NO. 18 MAY - 6 1961  
 U.S.C.&G.S.  
 WASHINGTON, D. C.  
 (Westport River)  
 SOUNDINGS IN

(CONTINUED ON THE PART 1210)

# NAUTICAL CHARTS BRANCH

SURVEY NO. FE # 4, 1961

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11-16-61	1108	R. E. Elkins	Before <del>After</del> Verification and Review <i>Partly applied</i> <i>Deleted obstr.</i>
12-9-61	1210 <i>Recorh</i>	M. Rogers	<i>App'd</i> Before <del>After</del> Verification and Review
12-12-61	237	M. Rogers	<i>App'd</i> Before <del>After</del> Verification and Review <i>stet</i>
12-28-62	1107	G. R. Johnson	Before <del>After</del> Verification and Review <i>Partly App'd</i> <i>Deleted Obstr.</i>
3-18-63	1108	h. j. Keeler	<del>Before</del> After Verification and Review <i>App'd.</i>
7-29-63	237	R. E. Elkins	<del>Before</del> After Verification and Review <i>Fully applied</i> <i>No revision.</i>
12-11-67	1107	J. H. Wall	<del>Before</del> After Verification and Review <i>applied</i> <i>thru chrt 1108</i>
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.