

# FE 175

## WIRE DRAG

Diagrams 1208-2 & 1209-3

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. .... S.P. 15-59.....  
Office No..... FE-175WD.....

#### LOCALITY

State ..... Massachussetts.....  
General Locality ... Cape Cod.....  
Locality ..... Chatham.....

19 60

CHIEF OF PARTY  
D.G. Rushford

#### LIBRARY & ARCHIVES

DATE ..... August 1, 1960.....

☆ 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.3 1960WD

FE 175  
WIRE DRAG

# F E No. 3 1960 WIRE DRAG

Diag. Chart. Nos. 1208-2 and 1209-3.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

## DESCRIPTIVE REPORT

Type of Survey Wire Drag

F.E.No. 3

Field No. S.P. 15-59 Office No. (1960) W.D.

### LOCALITY

State Massachusetts

General locality Cape Cod

Locality Chatham

1960

### CHIEF OF PARTY

D. G. Rushford

### LIBRARY & ARCHIVES

DATE August 1, 1960

USCOMM-DC 5087

F E No. 3  
1960  
WIRE DRAG

ISC&GS Ships WAINWRIGHT & HILGARD

U. S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
% 10th Floor Customhouse  
BOSTON DISTRICT OFFICE  
Boston 9, Massachusetts

17 May 1960

To: Director  
Coast and Geodetic Survey  
Department of Commerce Bldg.  
Washington 25, D.C.

Subject: Special Report- Special Project 15-59, Wire Drag, Two  
Wrecks, Cape Cod, Massachusetts

Under separate cover will be forwarded two (2) boat sheets of  
Guide and End Launch, drag test records, drag records, tidal and  
misc. data.

*H-26980 (60)  
charted  
1906-03* Dragging operations were completed over an area covering a  
one mile radius from positions latitude  $41^{\circ} 40.1'$ , longitude  $69^{\circ} 55.0'$   
and latitude  $41^{\circ} 38.2'$ , longitude  $69^{\circ} 54.8'$  with the bottom wire as  
near bottom as possible. No dragging was completed inshore of the  
20-foot curve. *← actually 10-20 ft over much of it.*

No obstructions were located in the area surveyed that would  
indicate the presence of a submerged wreck and therefore no further  
dragging is recommended in the area.

*Dewey G. Rushford*  
Dewey G. Rushford  
LCDR, USC&GS  
Commanding Ships  
WAINWRIGHT & HILGARD

*This page same as I 445 (60)*

*ABZ*

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~DIVISION of Coastal Surveys~~

11/15/60

Division of Charts: R.H. Carstens

Plane of reference approved in  
5 volumes of sounding records for

HYDROGRAPHIC SHEET F.E. NO 3 1960

Locality <sup>U</sup>natham, Mass.

Chief of Party: D.G. Rushford (1960)  
Plane of reference is mean low water,  
~~xxxxxx tide staff at~~  
~~xxxxx low xxxxx~~

Height of mean high water above plane of reference at working  
grounds is: 6.5 ft.

Condition of records satisfactory except as noted below:

Burt W. W. Deeg

Chief, Tides and Currents Branch

~~Chief, Division of Tides and Currents.~~

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E.No.3, 1960 W.D.

Records accompanying survey: Smooth sheets .....;  
 boat sheets <sup>2</sup>.....; sounding vols. <sup>2</sup>.....; wire drag vols. <sup>3</sup>.....;  
 Descriptive Reports <sup>1</sup>.....; graphic recorder envelopes <sup>2</sup>.....;  
 special reports, etc. <sup>1</sup>-Area and Depth Sheet, 1 set - Geographic Positions  
 .....

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

Number of positions on sheet	110..
Number of positions checked	21..
Number of positions revised	0..
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 0..

Verification by Robert S. House Total time 48 hrs Date 4/30/64

Reviewed by Robert S. House Time 8 hrs Date 5/1/64

Review  
Field Examination No. 3, 1960  
Cape Cod  
Vicinity of Chatham Harbor

1. The wire-drag field examination was made in compliance with the instructions for special project 15-59.
2. The purpose of the examination was to prove or disprove the existence of 2 wrecks charted in lat.  $41^{\circ}40.1'$ , long.  $69^{\circ}54.95'$ , and lat.  $41^{\circ}38.2'$ , long.  $69^{\circ}54.81'$ , respectively.
3. The results of the examination are shown on the accompanying section of boat sheet and the A and D sheet on tracing cloth.

The wrecks were not found. In view of the fact that the areas surrounding the wrecks were not dragged to within 3 ft. of the bottom in accordance with paragraph 3/20 of the Wire Drag Manual, or as close to the bottom as possible in accordance with the "Instructions", the wrecks are not considered disproved and should be retained on the chart. The drags were set from about 10 to 20 ft. from the bottom. The wrecks should be restored to several charts from which they have been removed (Ch 1 445 1960).

4. A comparison between the field examination and chart 270, dated 22 October 1962 shows the wire drag depths to be in harmony with the charted depths.
5. No further discussion of the field examination is considered necessary.

Reviewed by - Robert S. House  
4/30/64

Inspected by - R. H. Carstens

59'

58'

57'

56'

69°55'

54'

53'

42'

41'

41'40"00"

39'

38'

37'

△ CG STA. NO 41  
Top of cupola

△ CHATHAM STANDPIPE

△ CHATHAM ROMAN CATHOLIC CHURCH, 1920  
Apex of pyramidal steep atop sq. bell

△ CHATHAM METHODIST CHURCH 1920, 1934  
Tower, Flat roofed, clock (116 ft)

CHATHAM SOUTH LT. HOUSE △  
1880, 1931

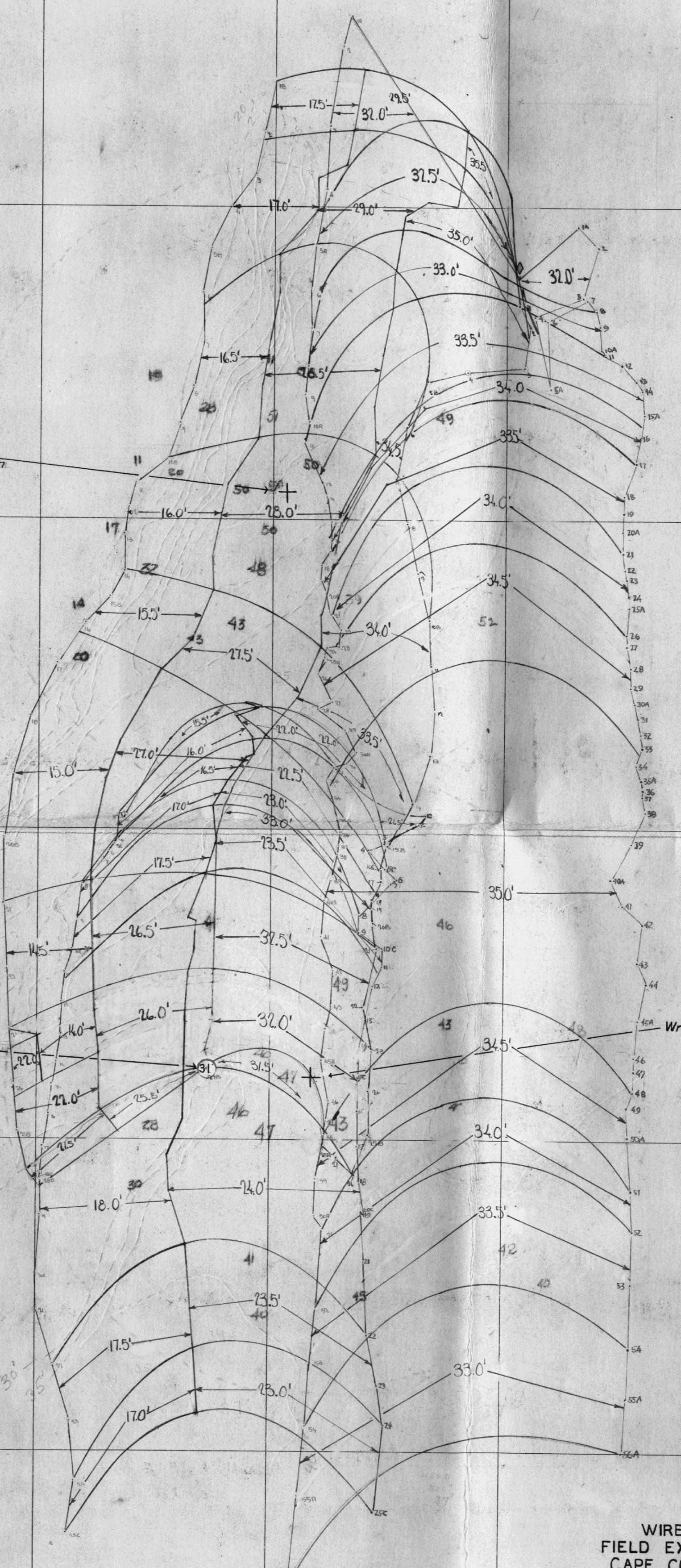
△ STAGE HARBOR LIGHT 1880, 1931 (aband)  
(New light lays to the southward)

△ CUPOLA, 1954  
COAST GUARD SIGNAL MAST

Wreck  
Charted position

Ground on shoal  
Cleared by 24 ft  
no sounding obtained

Wreck (Charted position)



WIRE DRAG SURVEY  
 FIELD EXAMINATION No. 3, 1960  
 CAPE COD, MASSACHUSETTS  
 Effective wire-drag depths in feet  
 at M.L.W.  
 Scale - 1: 20,000  
 Ships - Wainwright & Hilgard

FE. No. 3, 1960

M.D.  
FE. No. 3, 1960



WAINWRIGHT & HILGARD  
 AREA & DEPTH DIAGRAM  
 SPECIAL PROJECT 15-59  
 CHATHAM, MASS.  
 D.G. RUSHFORD, CHIEF OF PARTY  
 SCALE: 1/20,000

69° 57'

56'

55'

54'

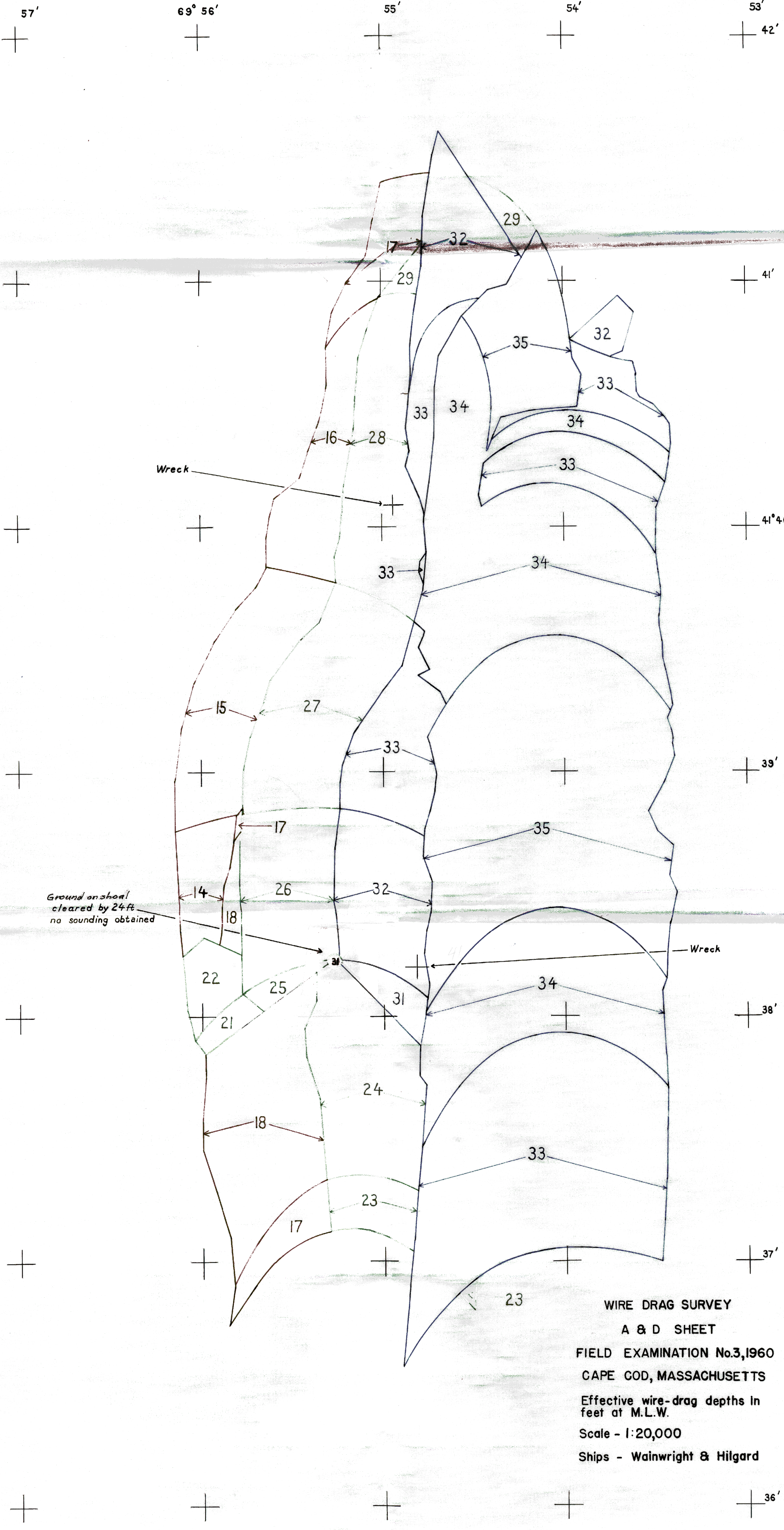
41° 36'

69° 53'

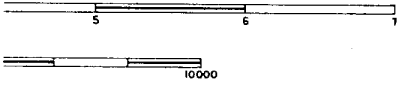
FE. No. 3, 1960

FE. No. 3, 1960





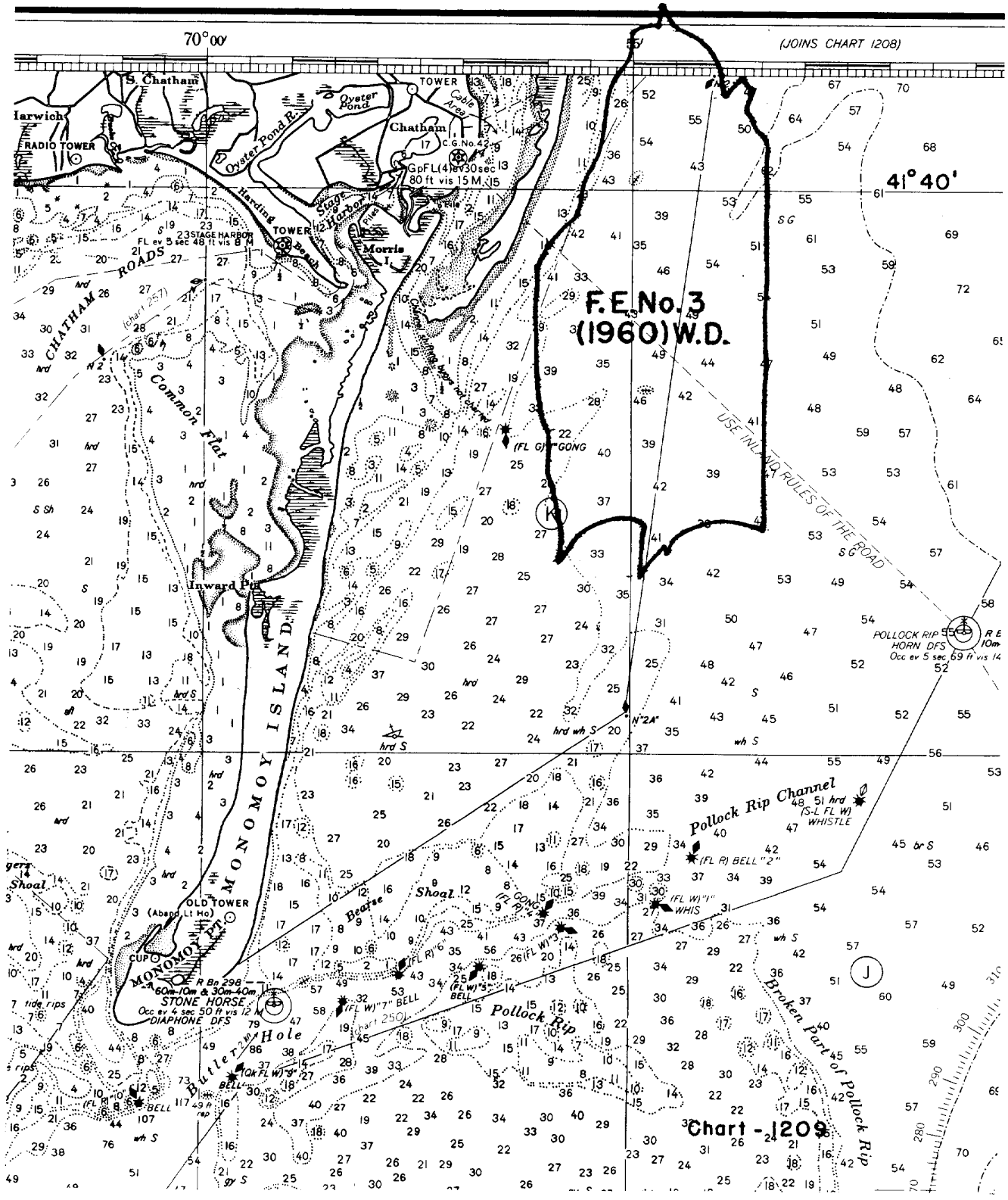
WIRE DRAG SURVEY  
 A & D SHEET  
 FIELD EXAMINATION No.3, 1960  
 CAPE COD, MASSACHUSETTS  
 Effective wire-drag depths in feet at M.L.W.  
 Scale - 1:20,000  
 Ships - Wainwright & Hilgard



E G H  
I J K

shown in purple.

GENERAL ANCHORAGES -- Except in great emergency all vessels shall anchor within these anchorage areas.



See L-445(60)  
L-611(64)

# NAUTICAL CHARTS BRANCH

SURVEY NO. F.E.No.3, 1960 W.D.

## Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8-25-60	70	Wittmann	Before <del>After</del> Verification and Review (no correction)
9/30/60	1209	J. Walker	Before <del>After</del> Verification and Review No correction Completely applied
			Before After Verification and Review
2/8/61	1208	J. Walker	Before <del>After</del> Verification and Review no correction
2-27-61	1107	R.E. Elkins	Before <del>After</del> Verification and Review Partly applied Deleted 2 Wks thru CK 445 (60).
2-27-61	71	R.E. Elkins	Before <del>After</del> Verification and Review Partly applied no revision.
12-11-67	1107	M.H. Hall	<del>Before</del> After Verification and Review No correction Fully applied
1-16-73	270	Robert Heeley	Before After Verification and Review NO CORR. FULLY APPLIED
1-16-73	71	R. Heeley	Before After Verification and Review <sup>and Inspection</sup> NO CORR. FULLY APPLIED
			<del>Before</del> After Verification and Review & Insp.
8-27-73	70	D.L. Pollard	FULLY APPLIED

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.