

FE 178

82178
FE 178

Diagram No. 1222-3

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. 7-61.....
Office No..... FE-178.....

LOCALITY

State Virginia.....
General Locality .. Norfolk.....
Locality C & GS Ship Base.....

1961

CHIEF OF PARTY
K.A. MacDonald

LIBRARY & ARCHIVES

DATE April 6, 1961.....

☆ 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.1 1961

F E No. 1 1961

Diag. Cht. No. 1222-3.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Tagline Hydrographic

Field No. 7-61 Office No. F. E. No. 1
(1961)

LOCALITY

State Virginia

General locality Norfolk

Locality C. & G. S. Ship Base

1961

CHIEF OF PARTY

K. A. MacDonald

LIBRARY & ARCHIVES

DATE April 6, 1961

COMM-DC 61300

F E No. 1
1961

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. FE1, 1961

Field No. 7-61

State VIRGINIA

General locality NORFOLK, VA.

Locality C&GS SHIP BASE

Scale 1:1200 Date of survey 6 to 31 March 1961

Instructions dated 21 Feb. 1961

Vessel 14' Skiff --- SHIP GILBERT

Chief of party KENNETH A. MACDONALD

Surveyed by M.E. JONES & J.H. BLUMER

Soundings taken by ~~fathometer, graphic recorder~~, hand lead, ~~XXXX~~

Fathograms scaled by _____

Fathograms checked by _____

Protracted by A.K. SCHUGELD (Norfolk Processing Office)

Soundings penciled by A.K. SCHUGELD

Soundings in ~~XXXXXX~~ feet ^{and 1/2 ft} at MLW ~~XXXXXX~~ and are true depths

REMARKS: _____

412

DESCRIPTIVE REPORT

To Accompany
FE-1, 1961
Special Hydrographic Survey H-____ (Field No. 7-61)

Date: 21 February 1961

The survey covered that area dredged for the purpose of docking large draft ships at the Norfolk Ship Base of the Coast & Geodetic Survey.

The survey was accomplished by the personnel of the Ship GILBERT. The vessel used was a fourteen foot aluminum skiff powered by a 10 hp outboard engine.

Soundings were taken with leadline no. 1 attached to the Ship GILBERT. The leadline was compared to a steel tape before and after the survey and no correction was applied. A thin lead plate was attached to the base of the leadline in order to get a good "touch" on the soft, muddy bottom.

A portable Raytheon Fathometer model 119b was used in conjunction with the leadline. A good comparison of soundings was obtained.

Position control was obtained by tagline. A system of ranges was set up on the beach and distances from a predetermined baseline were measured. A sketch illustrating the establishment of the baseline and the location of the new bulkhead is contained in volume no. 1. The tagline was composed of six strand sounding wire marked at 25 foot intervals and let out of a sounding machine secured aboard the skiff.

The entire survey consisted of 531 positions over 200,000 square feet or approximately 1/14 square mile.

All work in volume number 2 was done after the dredging of those areas that were determined to be shoal by the soundings in volume 1. Soundings in volume #2 supersede those in volume #1.

All tides are referred to the tide staff at the Ship Base. Mean low water on the staff is 3.079.

Respectfully submitted

Melvin E. Jones

M. E. Jones
Ens. C&GS

Approved and forwarded

Kenneth A. MacDonald
Kenneth A. MacDonald, LT. C&GS

NORFOLK PROCESSING OFFICE
ADDENDUM
To Accompany

FIELD INVESTIGATION 7-61

CONTROL

This survey is based on a Virginia Lambert Coordinate Projection and is controlled by the two Corps Of Engineers' triangulation stations given below.

<u>STATION</u>	<u>X COORDINATE</u>	<u>Y COORDINATE</u>
CE "HAB", 1947	2,643,963.97'	196,753.93'
CE "AWC", 1947	2,643,425.96'	196,406.53'

SHORELINE

The shoreline South and East of station "HAB" was constructed from the Field traverse attached to page 2, vol. 1, which shows the bulkhead as it exists at this date. The shoreline North and West of this station was taken from the original survey of the area.

SOUNDINGS

Soundings on the smooth sheet differ in some areas from those on the boat sheet as they reflect conditions after the final dredging had been completed. A partial resurvey was made and recorded in volume 2. Soundings in this volume supersede corresponding soundings in volume 1 as indicated by notes.


1

Numbers were only given to soundings on positions along the bulkheads. The remaining tagline soundings were plotted on the various ranges according to distances from the baselines recorded in the volumes. The application of position numbers to the tagline work would have resulted in a duplication of numbers on the different letter days. A range and distance plotting template is being forwarded to simplify the checking of tagline soundings.

AIDS TO NAVIGATION

An additional template is being forwarded to show the proposed positions of three buoys. The final positions of these floating aids will be furnished after they have been placed by the Coast Guard.

Norfolk, Va.
3 April 1961

Respectfully submitted,

Hugh L. Proffitt
Cartographer

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Coastal Surveys~~

23 May 1961

Division of Charts: R. H. Carstens

Plane of reference approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET F. E. No. 1 1961

Locality Norfolk Ship Base, Norfolk, Virginia

Chief of Party: K. A. MacDonald (1961)
Plane of reference is mean low water
ft. on tide staff at
ft. below B. M.

Height of mean high water above plane of reference is 2.7 ft.

Condition of records satisfactory except as noted below:

Burt W. Wilcox
Chief, Tides & Currents Branch

~~Chief, Division of Tides and Currents~~

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E.N.: 1-1961

Records accompanying survey: Smooth sheets ..1..;
 boat sheets ..1..; sounding vols. ...2..; wire drag vols.;
 Descriptive Reports ..1..; graphic recorder envelopes ..1..;
 special reports, etc. ..1-Overlay, Aids to navigation and.....
 ..1-Overlay, Plotting,.....

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

Number of positions on sheet	.....	531
Number of positions checked	.....	*
Number of positions revised	.....	0
Number of soundings revised (refers to depth only)	.....	1
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 *[Signature]* Total time 8 Date 17 Aug 1961
 Reviewed by *[Signature]* Time 2 Date 17 Aug 1961

Positions of range lines and spacing of every sounding was checked by verifier

FIELD EXAMINATION NO. 1, 1961
Virginia
Norfolk
C. & G. S. Ship Base

1. The field examination was made in compliance with Instructions for Special Project 7-61, dated February 21, 1961.
2. The purpose of the examination was to make an after dredging survey at the C. & G. S. Ship Base at Norfolk, Va.
3. The results of the examination are shown on the accompanying section of smooth sheet.
4. Three soundings from the field examination have been applied to chart 452, dated June 19, 1961. The charted hydrography is in agreement with that shown on FE-3, 1958 and the present field examination
5. The present field examination supersedes FE-3, 1958 within the common area.
6. The ^{Descriptive} ~~Descriptive~~ Report adequately covers all matters pertaining to this examination. No further discussion is considered necessary.

Reviewed by I, M. Zeskind
8-16-61

Inspected by R. H. Carstens

196,500
2,643,500

2,644,000
196,500

Proposed Locations Of
Aids To Navigation

F.E. No. 1, 1961

196,000
2,643,500

2,644,000
196,000

197,000

2,643,500

2,644,000

2,644,500

F.F. 1, 61

F.F. 1, 61

CE "HAB", 1947

196,500

CE "AWC", 1947



FIELD EXAMINATION No. 1, 1961

VIRGINIA

NORFOLK

C. & G. S. SHIP BASE

Date of Survey March 1961

Scale 1 : 1,200

Chief of Party K. A. MacDonald

Surveyed by M. E. Jones & J. H. Blumer

Sounding in Feet and Half Feet

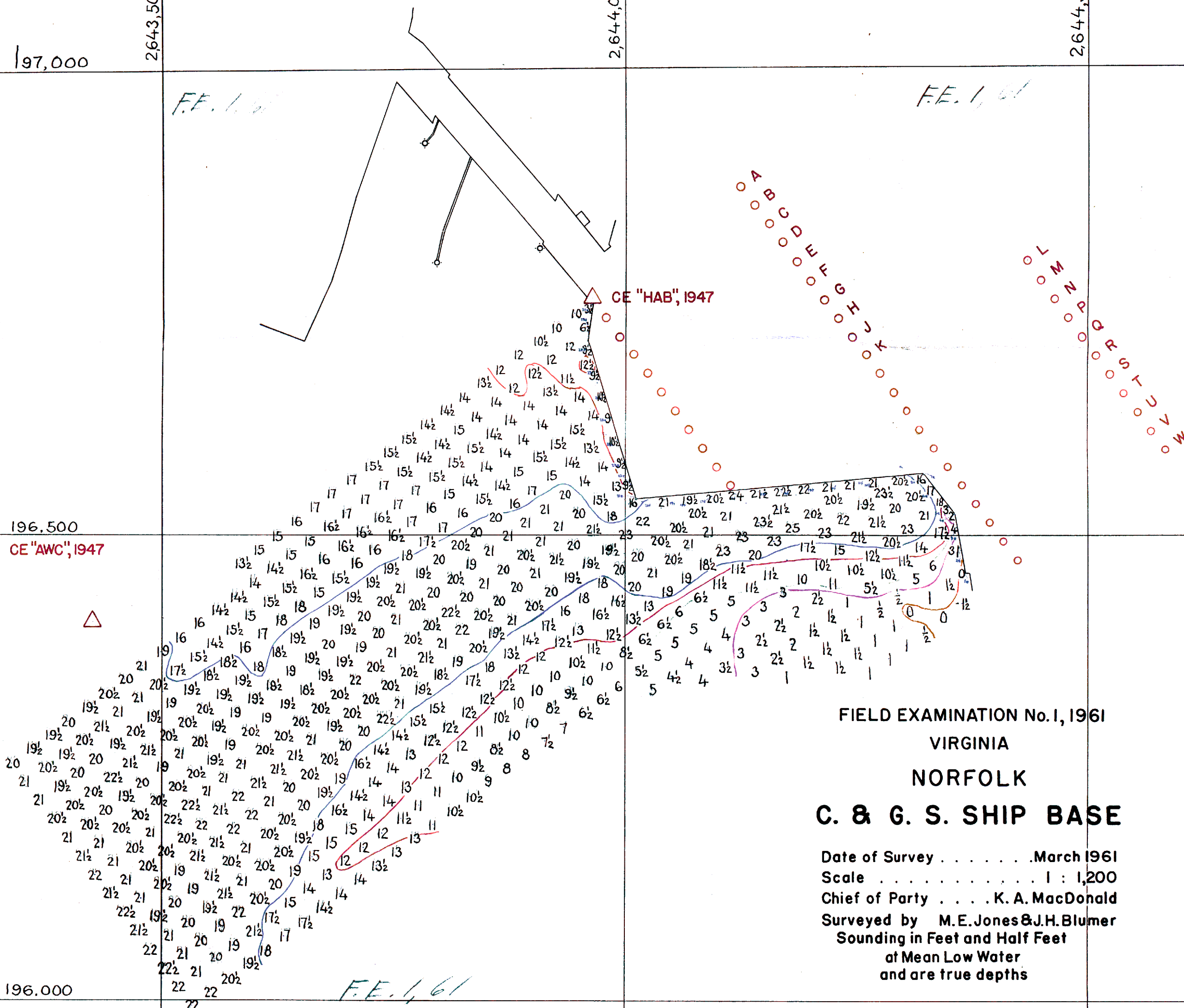
at Mean Low Water

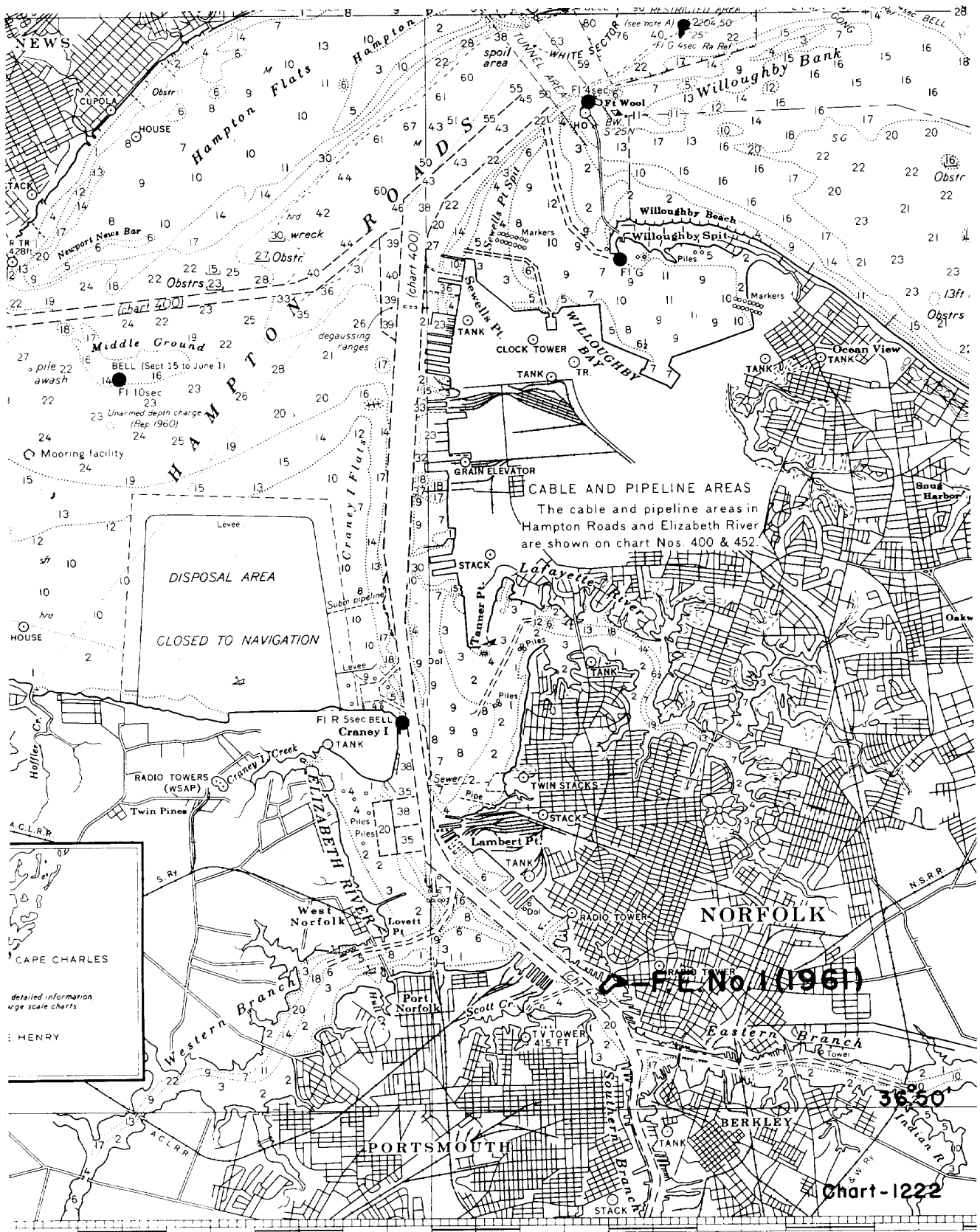
and are true depths

196,000

22

F.F. 1, 61





CABLE AND PIPELINE AREAS
 The cable and pipeline areas in Hampton Roads and Elizabeth River are shown on chart Nos. 400 & 452.

DISPOSAL AREA
 CLOSED TO NAVIGATION

A-F-E No. 1 (1961)

Chart-1222

76° 20'

15'

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

Henry

