

FE188

Diagram No. 1227

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.

Office No. FE-188

LOCALITY

State ... Virginia

General Locality ... Norfolk Ship Base

Locality

19 63

CHIEF OF PARTY

E.L. Jones

LIBRARY & ARCHIVES

DATE ... August 29, 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.2 1963

FE188

F E No. 2 1963

FE-188

Diag. Cht. No. 1227.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. _____ Office No. F.E.No.2
(1963)

LOCALITY

State VIRGINIA

General locality NORFOLK SHIP BASE

Locality _____

1963

CHIEF OF PARTY

EDMUND L. JONES, CAPT.

LIBRARY & ARCHIVES

DATE AUG 29 1963

COMM-DC 61300

F E No. 2
1963

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. 2-1963

Field No.

State Virginia

General locality Norfolk

Locality Norfolk Ship Base

Scale 1:1,200 Date of survey 7/2/63 - 8/12/63

Instructions dated

Vessel

Chief of party E. L. Jones

Surveyed by

Soundings taken by ~~fathometer, graphic recorder~~, hand lead, wire at MLW

Fathograms scaled by

Fathograms checked by

Protracted by

Soundings penciled by

Soundings in ~~fathoms~~ feet at MLW ~~MLLW~~

REMARKS:

.....
.....
.....
.....
.....

UNITED STATES GOVERNMENT

Memorandum

C-83 *WMS*
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
C-834 *[Signature]*

Form

TO : The Director
Coast and Geodetic Survey

DATE: Aug. 26, 1963

FROM : Norfolk District Officer
Coast and Geodetic Survey
102 West Olney Road
Norfolk, Va.

SUBJECT: After Dredging Survey, Norfolk Ship Base

There is being forwarded by registered mail an after-dredging survey of the waters in the vicinity of Norfolk Ship Base. This survey shows that depths of 20 feet have been obtained within the contract area as shown on the ship base construction plans.

[Signature]

Edmund L. Jones
Captain, C&GS
Norfolk District Officer

HLP:hlp

AUG 30 1963

acknowledged by form letter dtd

TIDE NOTE FOR HYDROGRAPHIC SHEET

Nautical Chart Division: R.H. Carstens

1/8/64

Plane of reference approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET F E NO. 2 1963

Locality Norfolk Ship Base, Virginia

Chief of Party: E.L. Jones

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: 2.6 ft.

Condition of records satisfactory except as noted below:


Chief, Tides and Currents Branch

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E.No.2-1963

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

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

| | | |
|---|------|----|
| Number of positions on sheet | | 23 |
| Number of positions checked | | 23 |
| 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 *A. H. Jones, Jr.*..... Total time 12.0. Date 8/28/64.

Reviewed by *A. H. Jones, Jr.*..... Time 2.0. Date 8/28/64

NORFOLK RECORDS PROCESSING UNIT
REPORT ON
AFTER DREDGING SURVEY - NORFOLK SHIP BASE

GENERAL

The field work on this survey was accomplished between 2 July and 12 August 1963 by personnel of the Processing Unit. The purpose of the survey was to confirm depths of at least 20 feet within the contract area as delineated on the ship base construction plans, and as outlined on the survey sheet with a dotted line. It was necessary to rerun some of the sounding lines, over a period of about six weeks and between intermittent periods of dredging, before contract depth was obtained.

SURVEY METHODS

A baseline was measured along the bulkheads using Corps of Engineer triangulation stations. Sounding line spacings of 25 feet were marked along this baseline and using these marks as an origin, handlead depths were obtained at tagline intervals of 25 feet. Azimuths of the sounding lines were controlled by sextant angles observed at the baseline marks and using CE "AWC", 1947 as the initial. The survey is plotted on a Virginia Plane Coordinate Projection at a scale of 1:1200.

TIDES

During periods of sounding tide observations were made on the staff of the Ship Base tide gage. All work was done on 60th. Mer. time and the plane of reference is MLW.

FLOATING AIDS

The three approach buoys were positioned by the Coast Guard after dredging operations were completed. Their positions, as determined on 22 Aug. 1963, are as follows:

| <u>BUOY</u> | <u>LATITUDE</u> | <u>LONGITUDE</u> |
|-------------|-----------------|------------------|
| N2 | 36-51'-05.5" | 76-18'-00.3" |
| N4 | 36-51'-06.8" | 76-17'-58.2" |
| N6 | 36-51'-07.8" | 76-17'-56.3" |

Respectfully submitted,

Hugh L. Preffitt

Hugh L. Preffitt
Cartographer

Norfolk, Va.
23 Aug. 1963

Review of Field Examination No. 2, 1963
Norfolk Ship Base, Virginia

1. The field examination is an after-dredging survey which was made in compliance with instructions for special survey 4-58, dated May 29, 1958.
2. The purpose of the examination was to determine whether or not the area outlined on a drawing submitted with the instructions was dredged to a depth of 20 ft.
3. The results of the examination are shown on the accompanying section of smooth sheet.
4. The field examination has been applied to a chartlet attached to chart 452, dated 3/15/63, before verification and review. The charted hydrography is in agreement with the field examination depths.
5. The descriptive report adequately covers all matters pertaining to this examination. No further discussion is considered necessary.

Reviewed by D. W. Jones, Sr.
8-28-64

Inspected by R. H. Carstens
Chief, Hydrographic Section

197,000

197,000

CE "HAB", 1947

CE "AWC", 1947

Dredging Contract Limits

FIELD EXAMINATION No. 2, 1963

After Dredging Survey
COAST & GEODETIC SURVEY SHIP BASE
NORFOLK, VA.

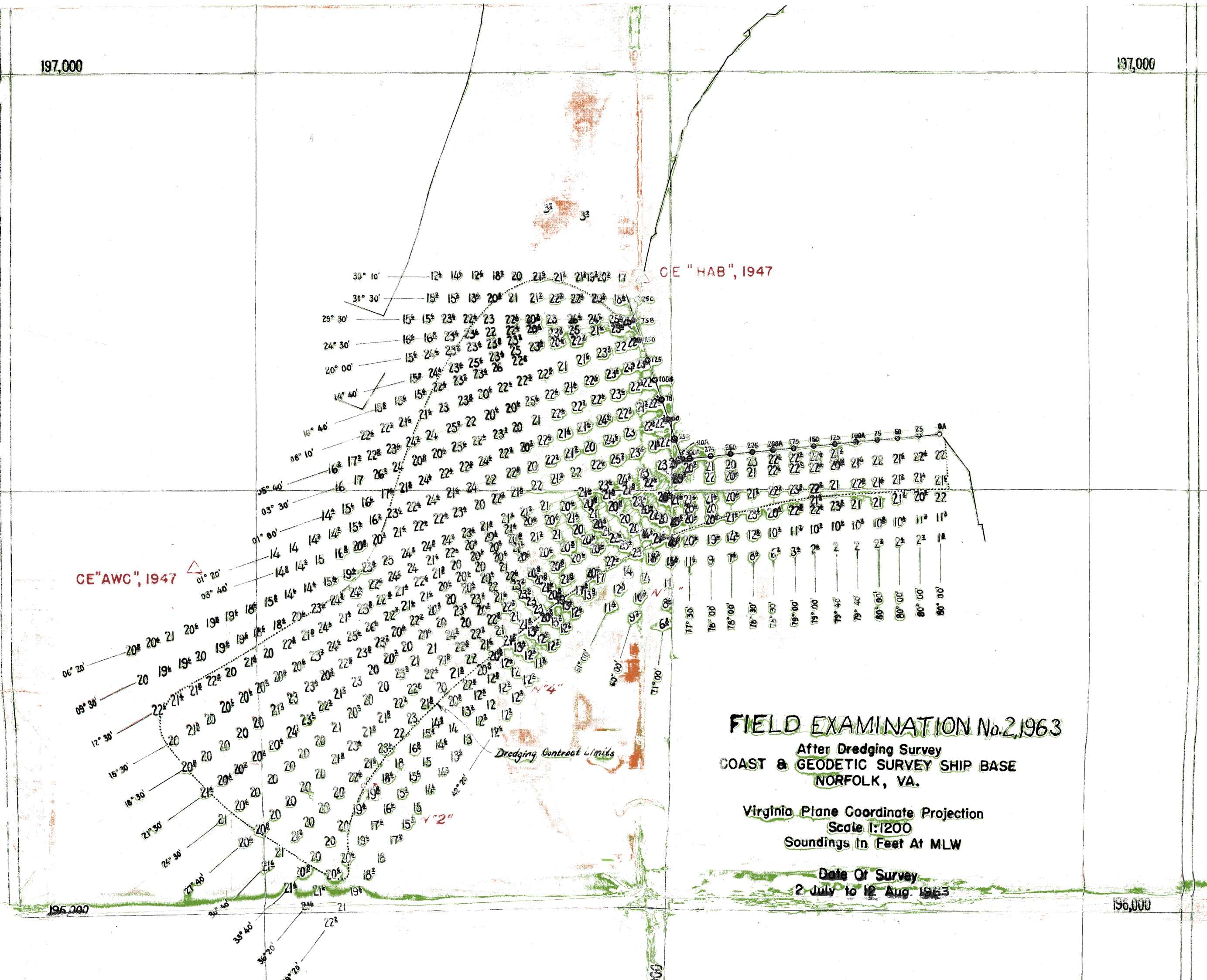
Virginia Plane Coordinate Projection
Scale 1:1200
Soundings in Feet At MLW

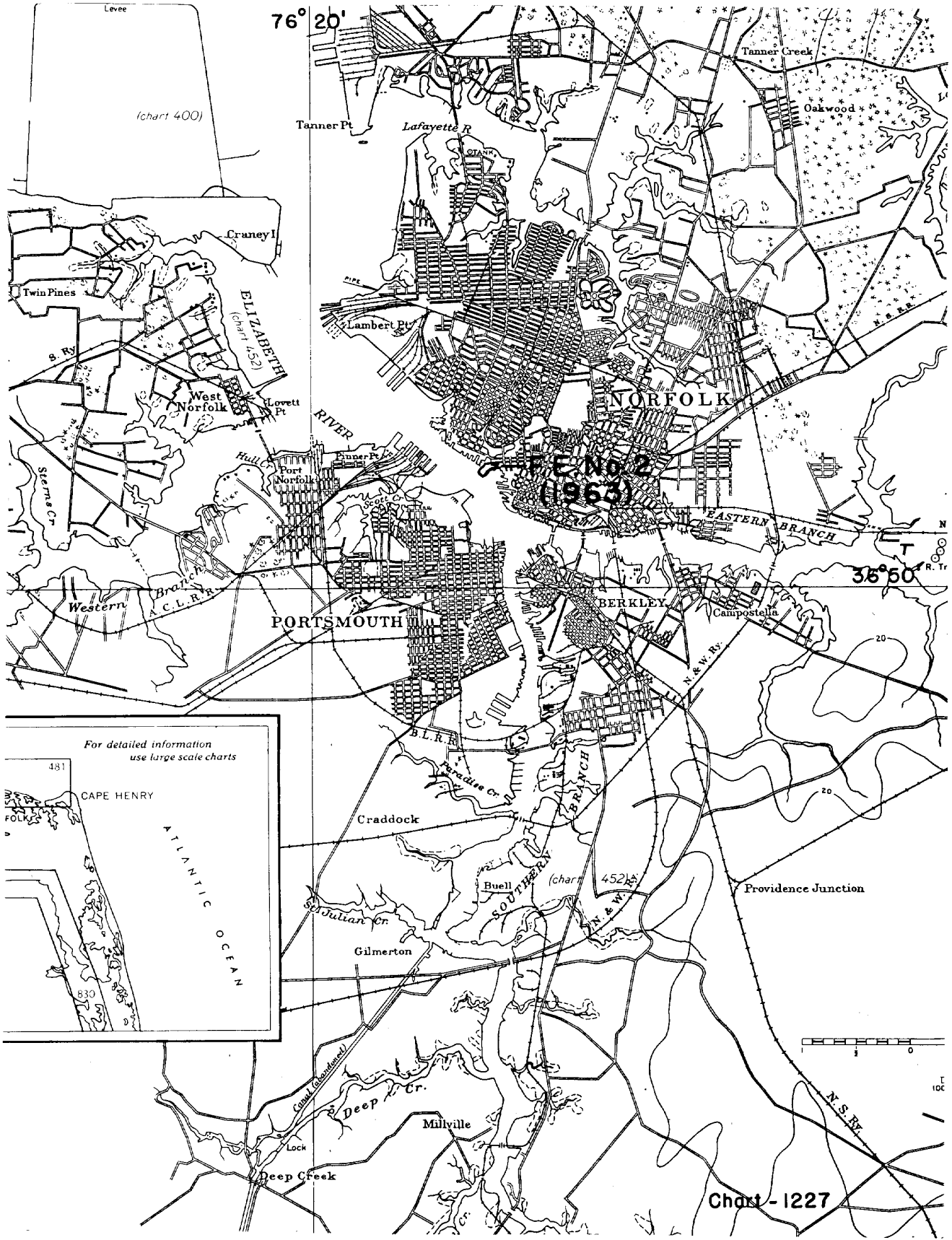
Date Of Survey
2 July to 12 Aug. 1963

196,000

196,000

2,544,000





76° 20'

36° 50'

Chart - 1227

For detailed information
use large scale charts

481

CAPE HENRY

ATLANTIC OCEAN

830

Buell (chart 452)

SOUTHERN

Gilmerton

Millville

Deep Creek

Providence Junction

0 100

100

Levee

(chart 400)

Craney I.

Twin Pines

S. Ry.

West Norfolk

ELIZABETH RIVER

Port Norfolk

Port Norfolk

Western

PORTSMOUTH

NORFOLK

BERKLEY

B.L.R.R.

Craddock

Sevillian Cr.

Gilmerton

Canal (Lockwood)

Deep Cr.

Lock

Deep Creek

Tanner Creek

Oakwood

Tanner Pt.

Lafayette R.

Lambert Pt.

Hull

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

Port Norfolk

EASTERN BRANCH

N.W. Ry.

N.W. Ry.

N.W. Ry.

N.W. Ry.

N.W. Ry.

N.W. Ry.

N.W. Ry.

N.W. Ry.

N.W. Ry.

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N.W. Ry.

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N.W. Ry.

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N.W. Ry.

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RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. F.E.No.2-1963

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 |
|-------|---------|--------------|---|
| 452 | 9/25/63 | J.H. Eaton | Full Part Before After Verification Review Inspection Signed Via Drawing No. |
| 562 | 2/6/64 | J.H. Eaton | Full Part Before After Verification Review Inspection Signed Via Drawing No. |
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Chart 45 2 fully appl'd 9/25/63 J.H.E.