

FE180

WIRE DRAG

Diagram No. 1216-2

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.4-61 (a&b).....
Office No..... FE-180WD.....

LOCALITY

State New Jersey.....

General Locality

Locality Manasquan Inlet and Beach.....

..... Haven Inlet.....

1961

CHIEF OF PARTY

D.G. Rushford.....

LIBRARY & ARCHIVES

DATE October 1961.....

FE180
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.3 1961WD

FENo. 3 1961

WIRE DRAG

FE-180WD

Diag. Cht. No. 1216-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Wire Drag Investigation

Field No. S.P. 4-61 Office No. F.E.No. 3-1961
(a&b) Wire Drag

LOCALITY

State New Jersey

General locality Manasquan Inlet and
Beach Haven Inlet

Locality _____

1961

CHIEF OF PARTY

D. G. Rushford

LIBRARY & ARCHIVES

DATE October 1961

USCOMM-DC 5087

FENo. 3 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.3-1961 W.D.

Field No. S.P. 4-61 (a&b)

State New Jersey

General locality Beach Haven Inlet and Manasquan Inlet

Locality _____

Scale 1:80,000 Date of survey 17 Apr.-24 May 1961

Instructions dated _____

Vessel WAINWRIGHT & HILGARD

Chief of party D. G. Rushford

Surveyed by _____

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

Fathograms scaled by _____

Fathograms checked by _____

Protracted by _____

Soundings penciled by _____

W.D. Eff. Depths
Soundings in ~~fathoms~~ feet at MLW ~~MLLW~~ *and are true depths*

REMARKS: _____

USC&GS SHIPS WAINWRIGHT & HILGARD

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

½ 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(a&b) WIRE DRAG, NEW JERSEY SEACOAST

Under separate cover will be forwarded one (1) boat sheet (Chart 1216), drag test records, drag records, tidal and miscellaneous data.

SP 4-61(a): NEW JERSEY SEACOAST - BEACH HAVEN INLET

Dragging operations were completed over the project area with the ground wire as near the bottom as possible. Project objective was to determine if the sunken drydock, charted 7,800 yards, 111° T from Lookout Tower, Holgate, had broken up.

The first drag of the area with an effective depth of 49' hung in the approximate location of the obstruction. The area was then cleared with drags of 44' effective depth and 47' effective depth respectively, going in opposite directions. Effective depths were based on actual tides at Atlantic City, N. J. No further wire drag is recommended in this area. (See Review)

*Use 7/2/61
charts until
Review
REE*

46 2-417 (1961) 11-30-61

SP 4-61(b): NEW JERSEY SEACOAST - MANASQUAN INLET

An unidentified wreck of a barge was reported to exist in about 60' of water at latitude 40° 04' 36" N, longitude 73° 58' 35" W. It was further reported that a red metal mast reached to 10' below the surface. (HON 7. M 40, 1960)

*Restore 2, until
Rev. See FE 6/51
REE*

Designated project area was dragged with the ground wire as close to the bottom as possible. At the start of the drag strip effective depth of the drag was 54'. At the end of the drag strip the effective depth was 55'. Effective depths were based on actual tides at Sandy Hook, New Jersey.

There were no hangs in the project area. It is concluded that the 10' reported mast is not in the charted position. It is recommended that the 10' sounding be removed from the chart. No further wire drag is recommended in this area.

D. G. Rushford
D. G. Rushford

Encl.: Two (2) Area & Depth Diagrams

CWR/jrb

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
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Under separate cover will be forwarded one (1) boat sheet (Chart 1216), drag test records, drag records, tidal and miscellaneous data.

SP 4-61(a): NEW JERSEY SEACOAST - BEACH HAVEN INLET

Dragging operations were completed over the project area with the ground wire as near the bottom as possible. Project objective was to determine if the sunken drydock, charted 7,800 yards, 111°T from Lookout Tower, Holgate, had broken up.

The first drag of the area with an effective depth of 49' hung in the approximate location of the obstruction. The area was then cleared with drags of 44' effective depth and 47' effective depth respectively, going in opposite directions. Effective depths were based on actual tides at Atlantic City, N. J. No further wire drag is recommended in this area.

SP 4-61(b): NEW JERSEY SEACOAST - MANASQUAN INLET

An unidentified wreck of a barge was reported to exist in about 60' of water at latitude 40° 04'36"N, longitude 73° 58'35"W. It was further reported that a red metal mast reached to 10' below the surface.

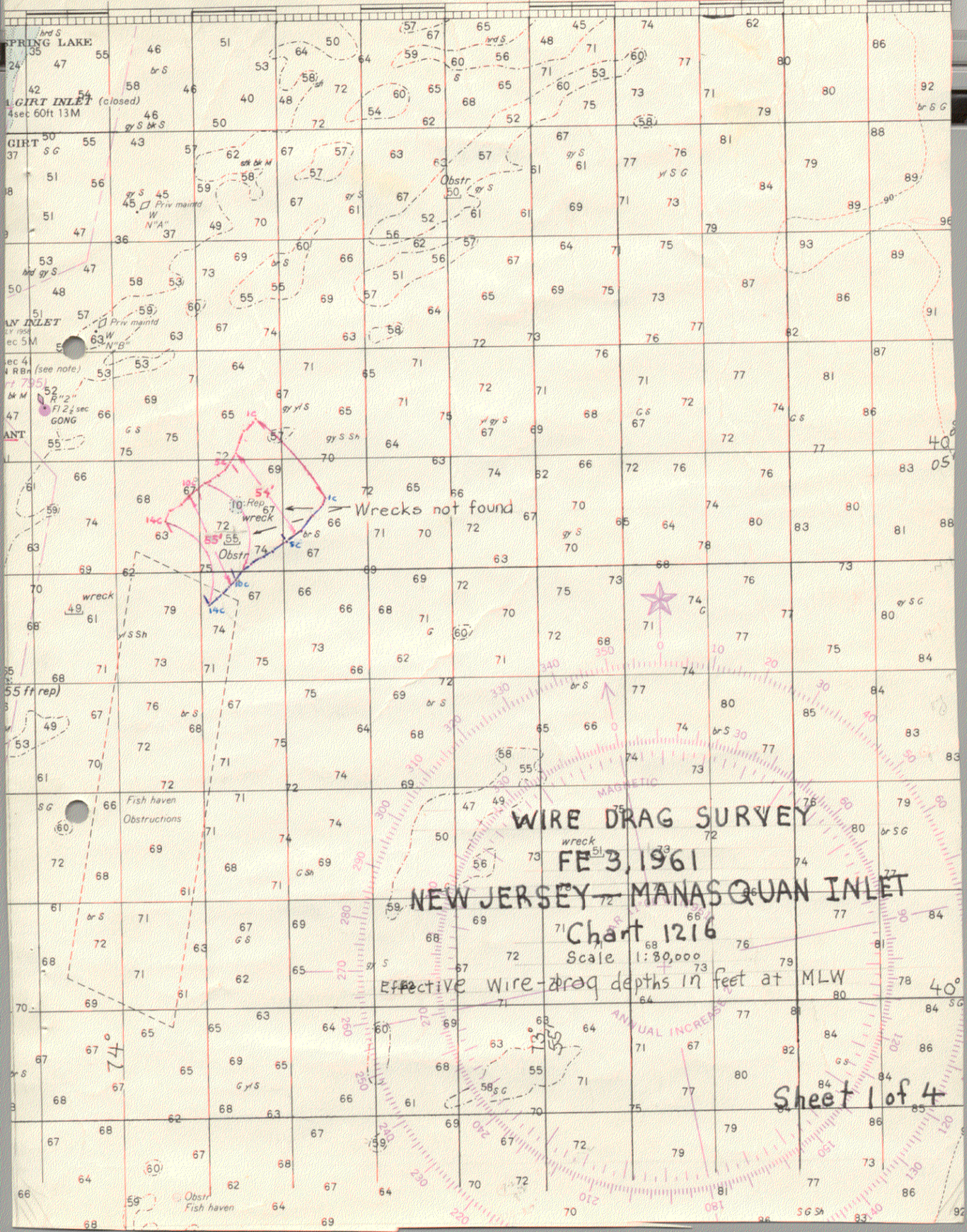
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There were no hangs in the project area. It is concluded that the 10' reported mast is not in the charted position. It is recommended that the 10' sounding be removed from the chart. No further wire drag is recommended in this area.

D. G. Rushford

Encl.: Two (2) Area & Depth Diagrams

CWR/jrb



Wrecks not found

WIRE DRAG SURVEY

FE-3, 1961

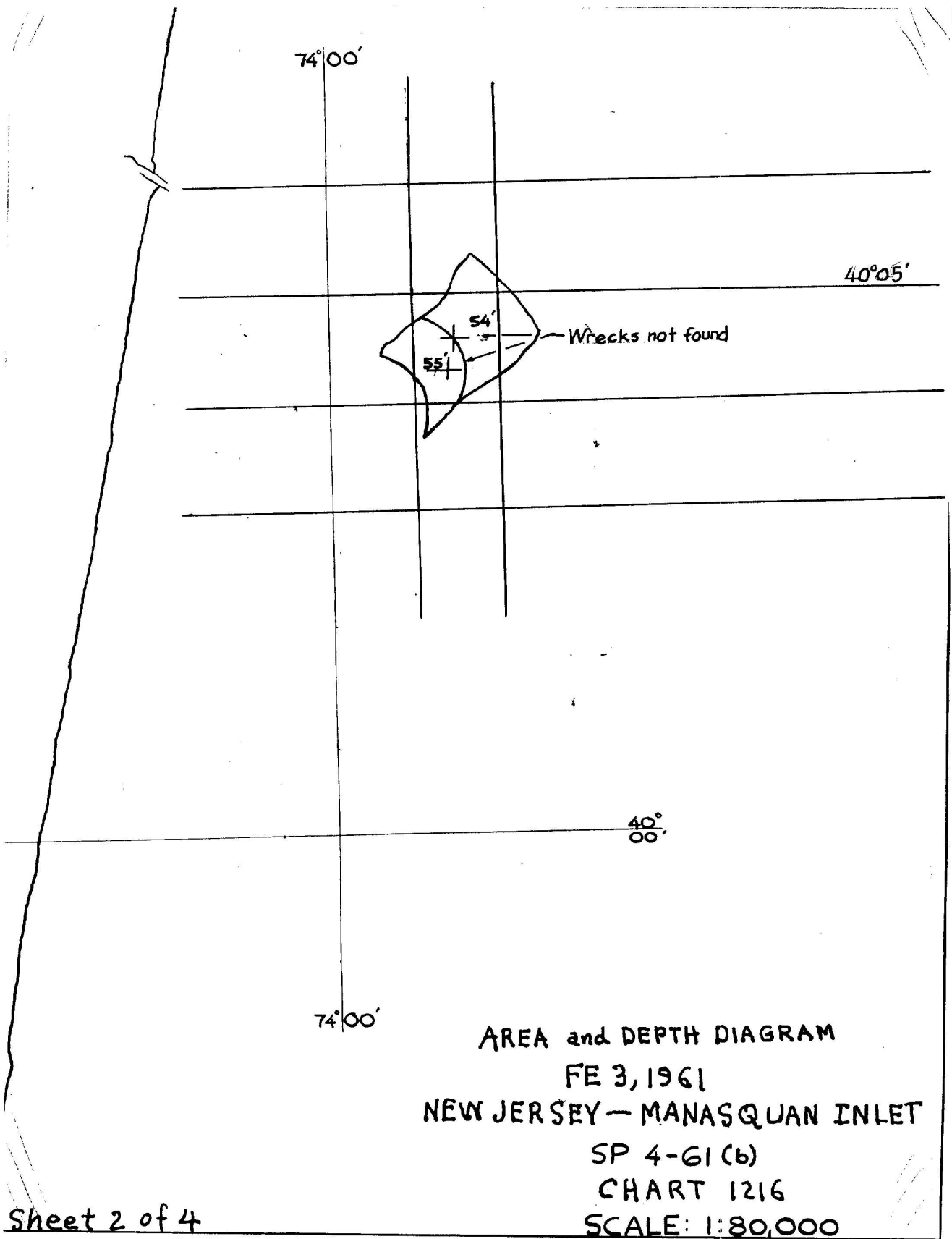
NEW JERSEY - MANASQUAN INLET

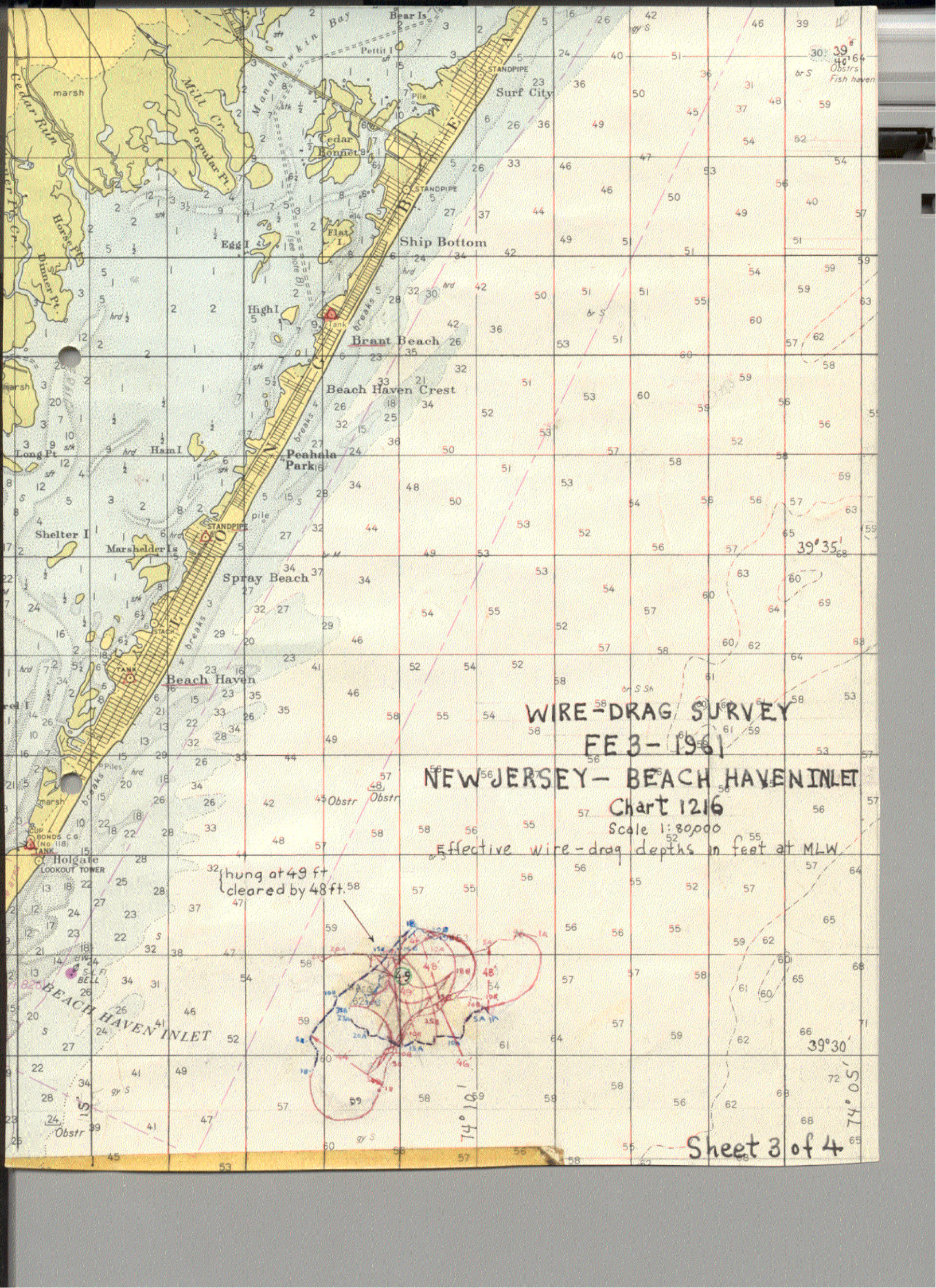
Chart 1216

Scale 1:80,000

Effective wire-drag depths in feet at MLW

Sheet 1 of 4





WIRE-DRAG SURVEY
FE 3-1961

NEW JERSEY - BEACH HAVEN INLET

Chart 1216

Scale 1:80,000

Effective wire-drag depths in feet at MLW

hung at 49 ft
cleared by 48 ft

Sheet 3 of 4

39°30'

74°05'

72°05'

68

65

62

59

56

53

50

47

44

41

38

35

32

29

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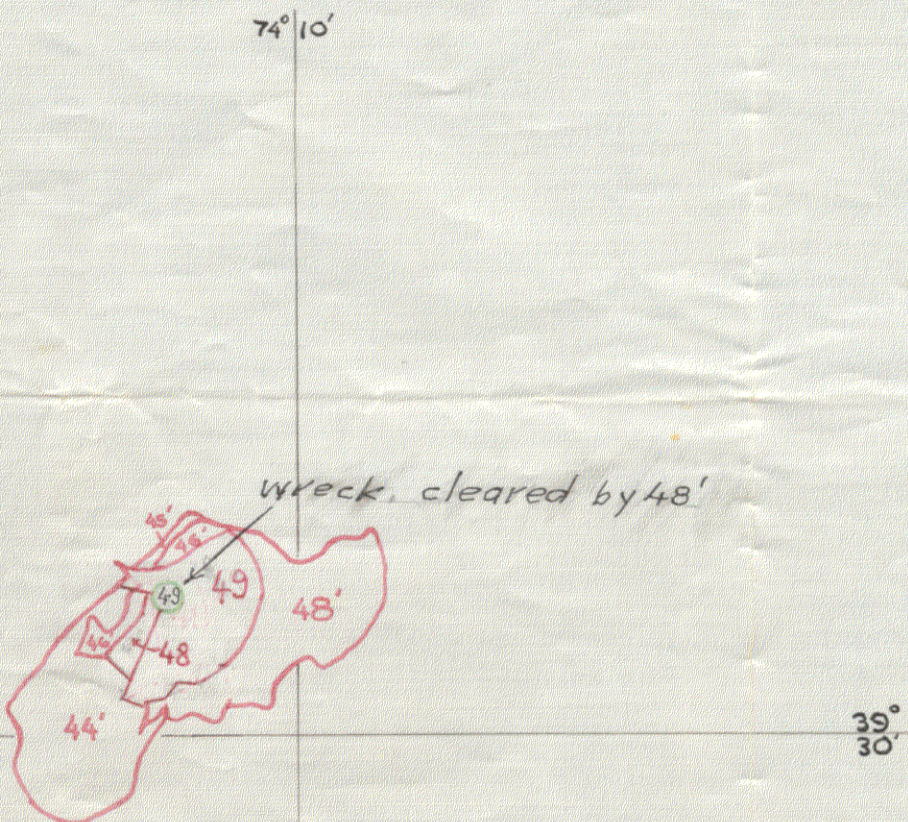
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AREA and DEPTH DIAGRAM
 FE 3-1961
 NEW JERSEY- BEACH HAVEN INLET
 SP 4-61 (a)
 CHART 1216
 SCALE: 1:80,000

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~DIVISION OF COAST AND GEODETIC SURVEY~~

May 22, 1962

Division of Charts: R. H. Carstens

Plane of reference approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET FE NO 3 1961
FE NO 4 1961

Locality Massachusetts and New Jersey

Chief of Party: D. G. Rushford (1961)
Plane of reference is mean low water reading
1.4 ft. on tide staff at Newport, Rhode Island
35.99ft. below B. M. 1 (1930)

Height of mean high water above plane of reference is: 3.5 feet

Condition of records satisfactory except as noted below:

J. M. Simpson
Chief, Tides and Currents Branch

~~DIVISION OF COAST AND GEODETIC SURVEY~~

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E.No.3 (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 cartographer's report on the sheet:

Number of positions on sheet	.....	71
Number of positions checked	.....	14
Number of positions revised	.....	4
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 *J. Jeske* Total time 11 Date 6/3/63
 Reviewed by *J. Jeske* Time 3 Date 6/3/63

FIELD EXAMINATION NO. 3, 1961
New Jersey, Manasquam and Beach Haven Inlets

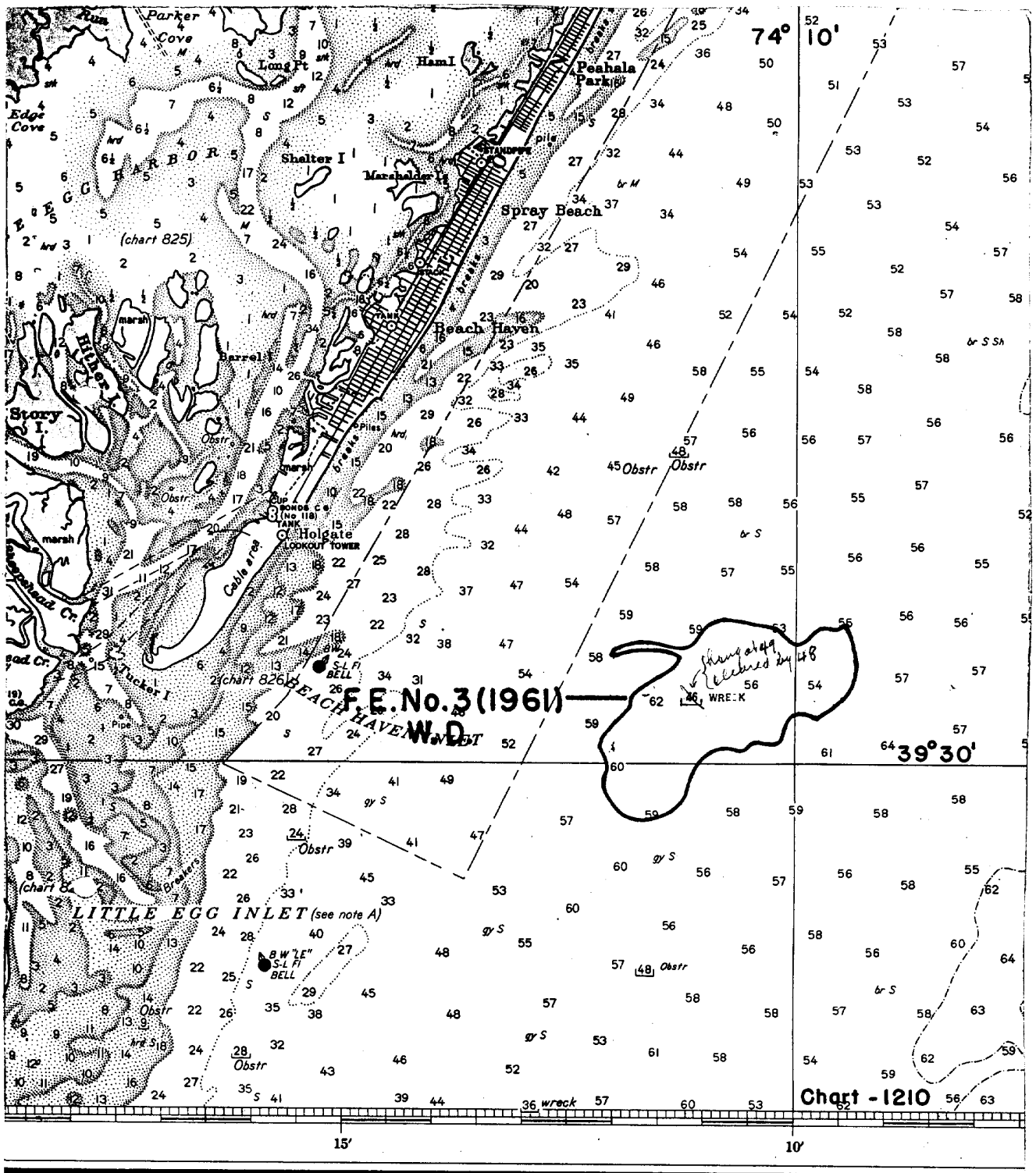
1. Wire-drag field examinations were made in compliance with Special Project 4, 1961.
2. The purpose of the field examinations were as follows:
 - a. To determine the condition of a sunken disintegrating dry dock located in the vicinity which bears 7800 yards, 110° from Lookout Tower, Holgate. Lighted wreck buoy WR2 was formerly located here.
 - b. To confirm or disprove the existence of an unidentified wrecked barge in about 60 ft of water sunken in lat. $40^\circ 04.6'$, long. $73^\circ 58.58'$. A red metal mast here was reported to be covered by 10 ft of water.
3. The results of the wire-drag examination are shown on the accompanying two A and D sheets and two sections of Chart 1216.
 - a. An obstruction was located in lat. $39^\circ 30.8'$, long. $74^\circ 10.99'$, in the vicinity which is given in paragraph 2a above where the wreck of a disintegrating sunken dry dock was located. The obstruction was hung by a wire drag set to an effective depth of 49 ft and cleared by a wire drag whose effective depth was 48 ft.
 - b. The unidentified wreck of a barge mentioned in paragraph 2b above was not found. The area was cleared by a wire drag whose effective depth was 54-55 ft.
4. A comparison between the field examination and chart 1216 dated 11-6-61, indicates the following revisions to the chart should be made:
 - a. The wreck charted in lat. $39^\circ 30.8'$, long. $74^\circ 10.99'$ as cleared by a wire drag set to an effective depth of 46 ft., originates with chart letter 351 (1961). The charted cleared depth of 46 ft should be revised to 48 ft in accordance with paragraph 3a above and the wreck position revised.

- b. The wreck charted in lat. $40^{\circ}04.6'$, long. $73^{\circ}58.58'$, as cleared by a wire drag set to an effective depth of 56 ft., originates with chart letter 417 (1961). The charted cleared depth of 56 ft should be revised to 54 ft in accordance with paragraph 3b above.
5. The Descriptive Report adequately covers all matters pertaining to this examination. No further discussion is considered necessary.

Reviewed by - I. M. Zeskind

6-3-61

Inspected by - R. H. Carstens



F.E.No. 3 (1961)
W.D.

Chart - 1210

