

FE179

WIRE DRAG

Diagram No. 1210-3 & 1211-2

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. 12-61 (b&c)

Office No. FE-179

LOCALITY

State Rhode Island

General Locality .. Rhode Island Sound

Locality Point Judith

1961

CHIEF OF PARTY
D.G. Rushford

LIBRARY & ARCHIVES

DATE September 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.2 1961

FE179
WIRE DRAG

F E No. 2 1961 WIRE DRAG

Diag. Cht. Nos. 1210-3 and 1211-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Wire Drag Investigation

Field No. S.P.12-61 Office No. F.E.No.2
(b & c) (1961)

LOCALITY

State Rhode Island

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USCOMM-DC 5087

F E No. 2
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. 2 (1961) W.D.

Field No. Special Project 12-61
(b&c)

State Rhode Island

General locality Rhode Island Sound

Locality Point Judith

Scale 1:10,000 Date of survey 31 July - 14 Aug. 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 _____

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

REMARKS: _____

USC&GS SHIPS WAINWRIGHT & HILGARD

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

% NALF
Charlestown, Rhode Island

FE 2(1961)

22 September 1961

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

SPECIAL REPORT - SPECIAL PROJECT 12-61(b&c), WIRE DRAG OF REPORTED OBSTRUCTIONS, RHODE ISLAND SOUND, R. I.

Under separate cover will be forwarded two (2) boat sheets of guide and end launch, drag test records, drag records, tidal and miscellaneous data.

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

There were nine (9) obstructions located within the project and they are described as follows:

- | | | | | | |
|----|-------------------|-----------|--|---------------|-----------------------------|
| 1. | A boulder covered | 31.0' MLW | (41°20'. ⁵⁷ 95 N; 71°28'. ^{28.8} 28 W) | - Clear 28.5' | ⁷⁴⁹⁰ 13219 |
| 2. | " " | 32.5' MLW | (41°20'. ^{14.2} 28 N; 71°28'. ⁴⁸ 80 W) | - Clear 30.5' | ⁷⁴⁹¹ |
| 3. | " " | 32.5' MLW | (41°20'. ^{03.0} 05 N; 71°29'. ^{7.2} 12 W) | - Clear 30.0' | ⁷⁴⁹² |
| 4. | " " | 36.5' MLW | (41°20'. ^{04.8} 08 N; 71°28'. ^{23.4} 39 W) | - Clear 35.0' | ⁷⁴⁹³ |
| 5. | " " | 38.0' MLW | (41°20'. ^{19.2} 32 N; 71°29'. ^{7.8} 13 W) | - Clear - not | ⁷⁴⁹⁴ not charted |
| 6. | " " | 41.0' MLW | (41°20'. ^{41.7} 69 N; 71°28'. ^{25.2} 42 W) | - Clear 38.5' | ⁷⁴⁹⁴ 13219 |
| 7. | " " | 41.5' MLW | (41°19'. ^{28.3} 47 N; 71°28'. ³⁰ 50 W) | - Clear 38.5' | ⁷⁴⁹⁵ |
| 8. | " " | 42.0' MLW | (41°20'. ^{1.2} 03 N; 71°28'. ¹⁸ 30 W) | - Clear 39.5' | ⁷⁴⁹⁸ not charted |

The above obstructions were determined by wire drag hangs, investigated by "SCUBA" Divers. Depths were ascertained by leadline soundings and positions by sextant fixes.

No. 9 obstruction (41°19'.^{58.2}97 N; 71°28'.^{40.8}68 W) was hung by wire drag effective depth 36'.5 and cleared by wire drag effective depth of 34.0' ⁷⁴⁹⁶
(No sounding was obtained)

All the previous obstructions were reported by telegram to Coast Guard District One, and are described in Notice to Mariners No. 36, 1961, paragraph 4745.

Continued on Sheet 2

No. 10 obstruction (41°19'.^{28.2}47' N; 71°28'.^{21.0}35' W) was hung by w.d. eff depth 45 ft., cleared by 38 ft. (No sounding was obtained.) ⁷⁴⁹⁹ not charted

- 2 -

Tide reducers were based on Point Judith Harbor of Refuge (Eastern Breakwater) portable tide gage with no correction.

Work was performed in routine manner (with exception of added use of "SCUBA" Divers) utilizing natural objects for visual control.

No additional dragging in the immediate project area is recommended, as all obstructions are considered adequately located and cleared by wire drag. It is recommended that reported obstructions previously charted at (1) $41^{\circ}20'.18''$ N; $71^{\circ}28'24''$ W, (2) $41^{\circ}19'36''$ N; $71^{\circ}28'54''$ W be removed.


D. G. Rushford

LEG/jrb

Enc.: Area & Depth Sheet

EUC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Coastal Survey~~

February 8; 1962

Division of Charts: R. H. Carstens

Plane of reference approved in
6 volumes of sounding records for

HYDROGRAPHIC SHEET F. E. No. 2, 1961

Locality Point Judith, Rhode Island

Chief of Party: D. G. Rushford (1961)
Plane of reference is mean low water, reading
3.1 ft. on tide staff at Point Judith
15.5 ft. below B. M. 6 (1948)

Hieght of mean high water above plane of reference is: 3.0 feet

Condition of records satisfactory except as noted below:

J. M. Symons
Chief of Tides and Currents Branch

~~XX~~

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E.No. 2-1961 W.D.

Records accompanying survey: Smooth sheets; boat sheets ².....; sounding vols.; wire drag vols. ⁶.....; Descriptive Reports ¹.....; graphic recorder envelopes ¹.....; 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	.....	439	439
Number of positions checked	.....	48	48
Number of positions revised	.....	5	5
Number of soundings revised (refers to depth only)	.....	—	—
Number of soundings erroneously spaced	.....	—	—
Number of signals erroneously plotted or transferred	.....	—	—
Topographic details	Time	.....	.....
Junctions	Time	.....	.....
Verification of soundings from graphic record	Time	.....	.....
Special adjustments	Time	.....	.....

Verification by *J. J. Eskind* Total time ^{128/4/7} 112 Date ^{4/14/64} 4/14/64

Reviewed by *J. J. Eskind* Time 16 Date ^{4/16/64} 4/16/64

Review
Field Examination No. 2, 1961
Rhode Island
South of Pt. Judith

1. Wire drag field examinations were made in compliance with the Instructions for Special Project 12-61.
2. The purpose of the field examinations was as follows:
 - a. To locate a reported obstruction in lat. $41^{\circ} 20.3'$, long. $71^{\circ} 28.4'$.
 - b. To locate a reported obstruction in lat. $41^{\circ} 19.6'$, long. $71^{\circ} 28.9'$.

The field examination failed to reveal the existence of obstructions in the locations mentioned above.

3. The results of the wire-drag examination are shown on the accompanying section of smooth sheet and a cloth tracing of the A and D sheet.
4. A comparison between the field examination and chart 268, dated Aug. 13, 1962 and chart 1210, dated March 23, 1964 reveals no conflicts with the charted hydrography.
5. The Descriptive Report adequately covers all matters pertaining to this examination. No further discussion is considered necessary.

Reviewed by - I. M. Zeskind
4-17-64

Inspected by R. H. Carstens

AUTHORITIES
Surveys to 1939
Surveys by U. S. Engineers to 1942

DEFENSIVE SEA AREAS

The waters within the indicated limits on this chart are Defensive Sea Areas. Vessels shall not be navigated in these waters except during daylight and then only after specific permission has been obtained.

Point Judith Pond
Buoys mark 6-foot channel
to Wakefield. Sept. 1939

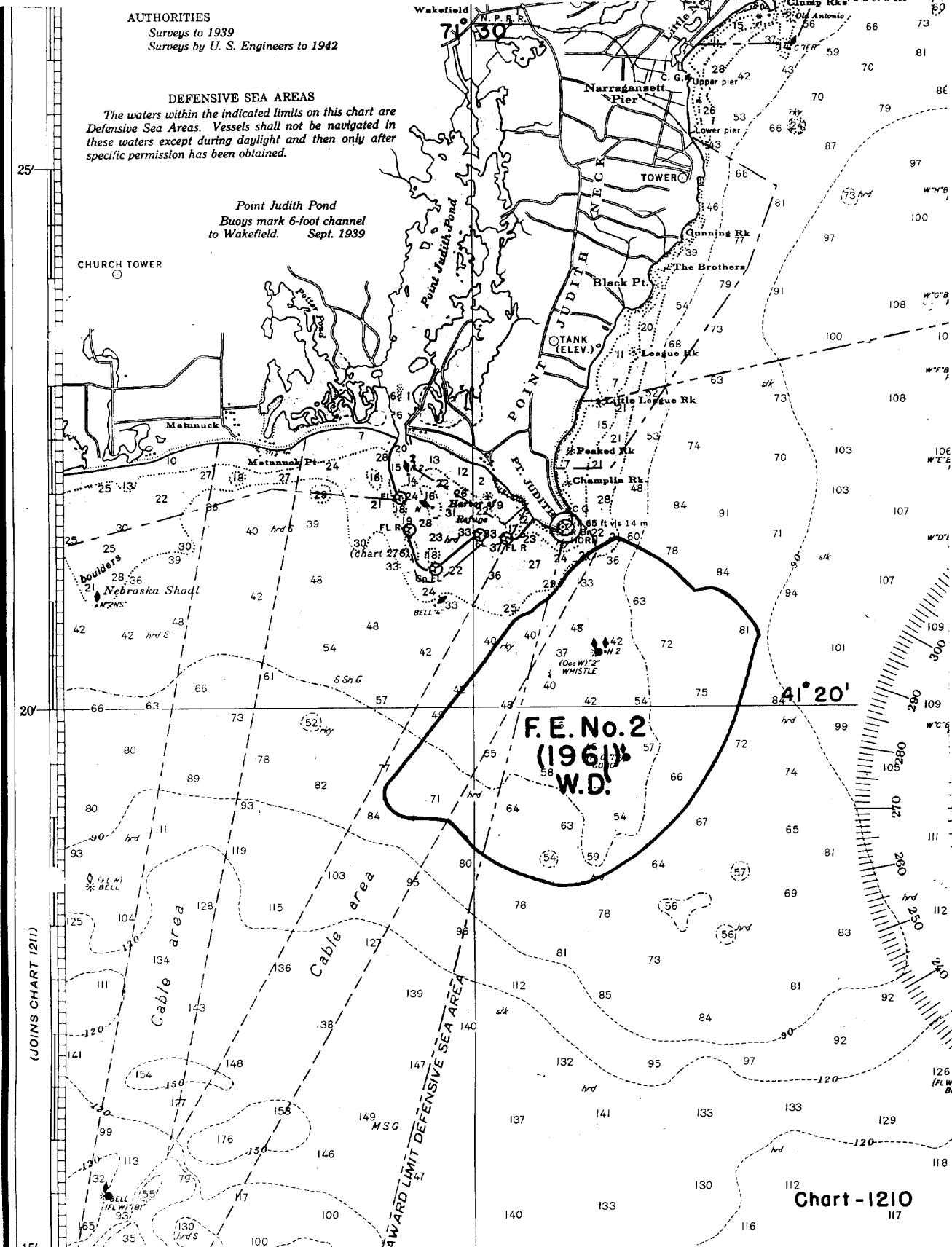
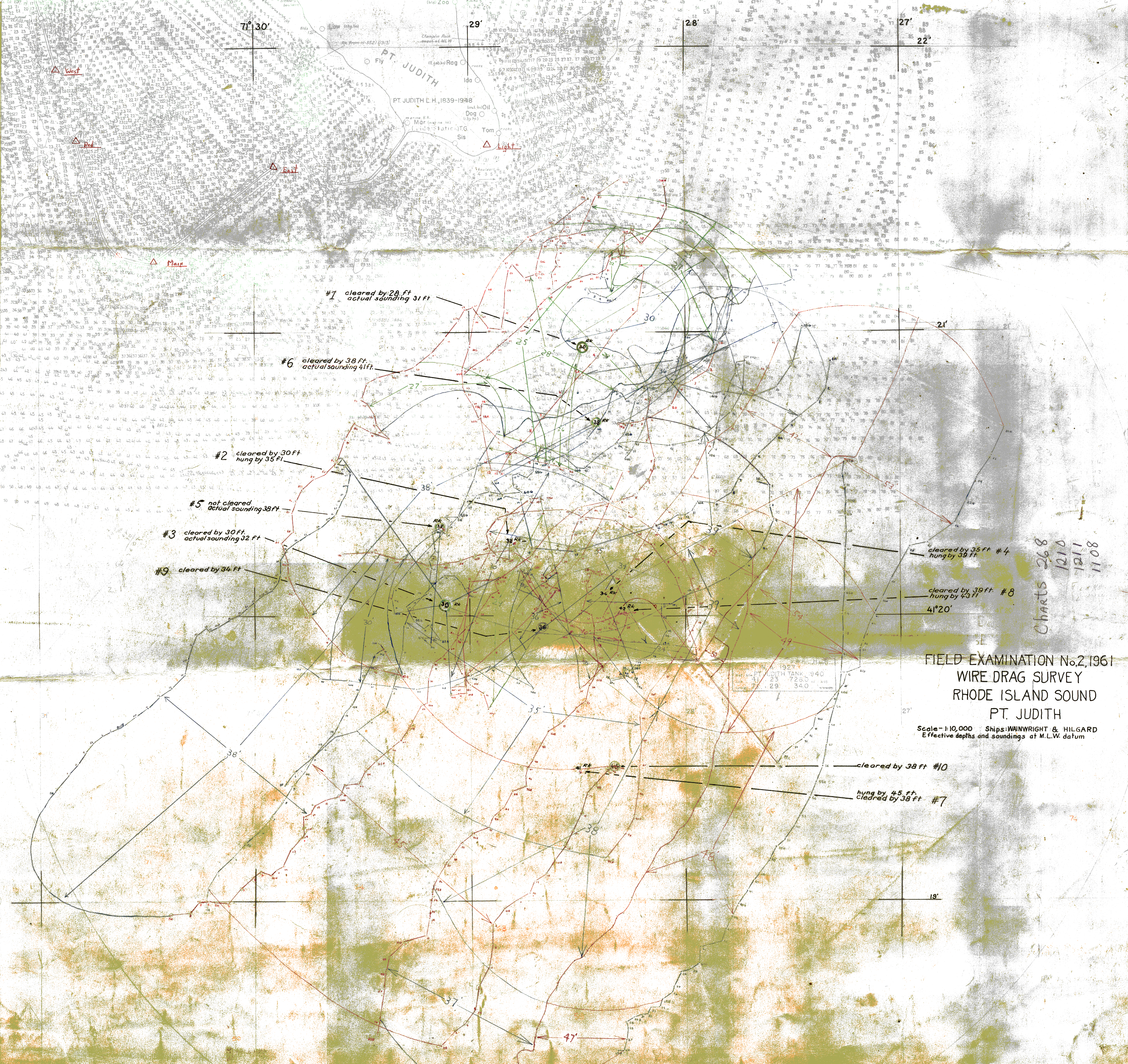


Chart - 1210
117



71° 30'

29'

28'

27'

22'

PT. JUDITH

PT. JUDITH L.H., 1839-1948

West

East

Main

#1 cleared by 28 ft
actual sounding 31 ft

#6 cleared by 38 ft
actual sounding 41 ft

#2 cleared by 30 ft
hung by 35 ft

#5 not cleared
actual sounding 38 ft

#3 cleared by 30 ft
actual sounding 32 ft

#9 cleared by 34 ft

cleared by 35 ft #4
hung by 39 ft

cleared by 39 ft #8
hung by 43 ft

cleared by 38 ft #10

hung by 45 ft
cleared by 38 ft #7

Charts 268
1210
1811
1108

FIELD EXAMINATION No. 2, 1961
WIRE DRAG SURVEY
RHODE ISLAND SOUND
PT. JUDITH

Scale - 1:10,000 Ships: WAINWRIGHT & HILGARD
Effective depths and soundings at M.L.W. datum

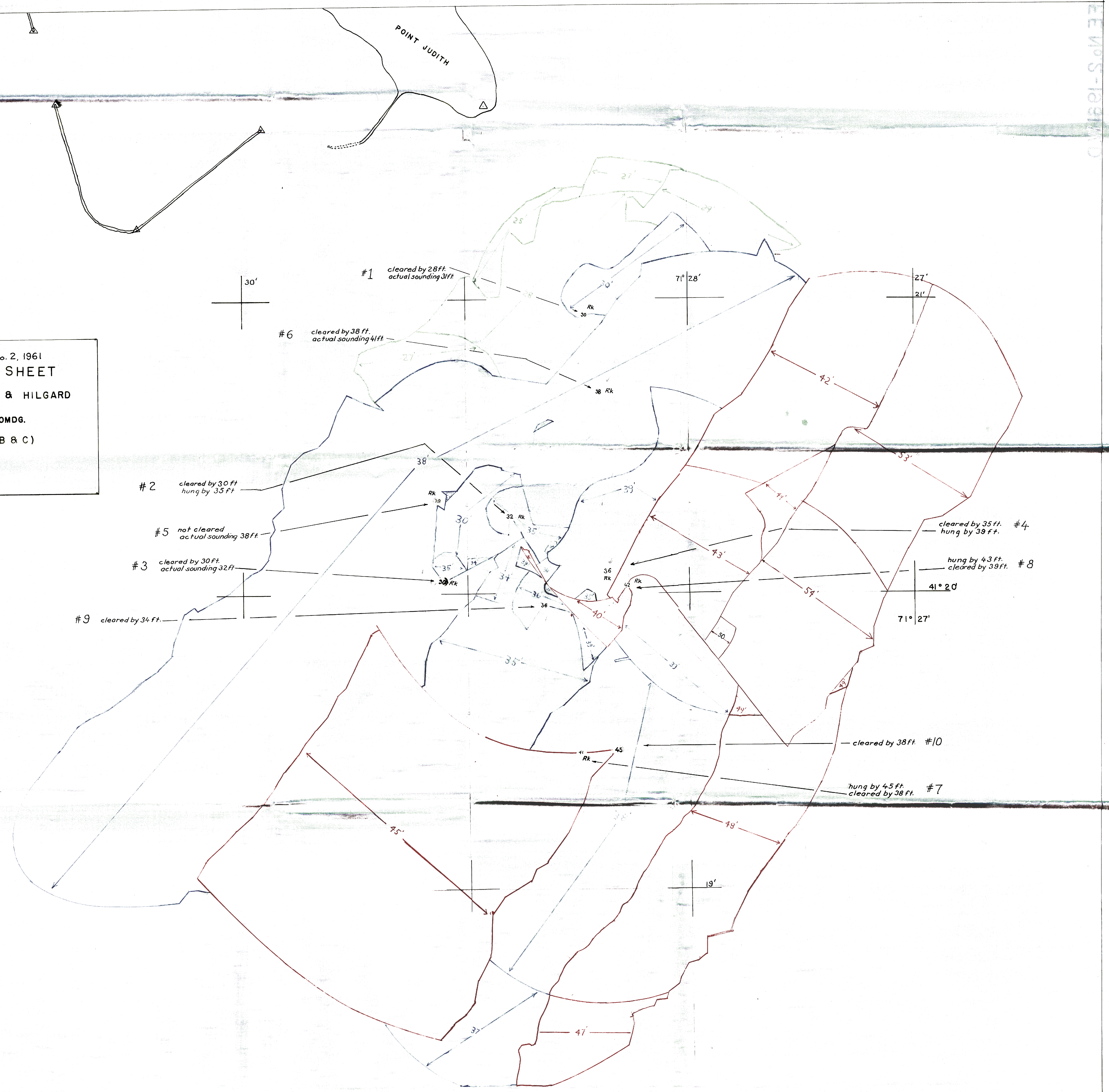
1927
PT. JUDITH TANK 1940
23 72.5
29 34.0

74

EE No S-1091MD

POINT JUDITH

FIELD EXAMINATION No. 2, 1961
 AREA & DEPTH SHEET
 USC & GSS WAINWRIGHT & HILGARD
 D.G. RUSHFORD COMDG.
 SPEC. PROJ. 12-61 (B & C)
 SCALE 1:10000



EE No S-1091MD

NAUTICAL CHARTS BRANCH

SURVEY NO. F.E.No.2 (1961) W.D.

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
11-15-61	1108	R. E. Elkins	Before after Verification and Review <i>Partly Applied</i> <i>added cloud soundings and wind roses.</i>
11-21-61	1210 Rev	M. Rogers	<i>Fully applied</i> Before after Verification and Review
12-12-61	268	R. S. Howe	<i>Fully applied</i> Before after Verification and Review
10/30/63	1211	Jam	Before after Verification and Review
6-19-64	1210	G. R. McCann	<i>Fully Applied</i> Before After Verification and Review <i>RRD 623-64</i>
10-6-64	268	J. D. McEvoy	<i>Fully applied</i> Before After Verification and Review
3/24/66	271	L.A.M. and H.J.K.	Before After Verification and Review
9/27/66	1108	M. H. Hall	Before After Verification and Review <i>Fully applied.</i>
6/26/72	268	O. Chapman	Before After Verification and Review <i>EXAM. NO. FURTHER CORRECTIONS.</i>
8-17-73	1211	R. Healey	Before After Verification and Review <i>INSPECTION NO CORR</i> <i>CONSIDER FULLY APPLIED</i>

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.