

7041a

Graphic Control

Diag'd. on diag. ch. No. 1279

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Graphic Control

Type of Survey ~~Topographic~~

Field No. A Office No. 7041a

LOCALITY

State TEXAS

General locality TEXAS & LOUISIANA BORDER

Locality SABINE NECHES CANAL

1947

CHIEF OF PARTY

Ross A. Gilmore

LIBRARY & ARCHIVES

DATE November 13, 1947

B-1870-1 (1)

7041a

Graphic Control

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

REGISTRY No. 7041a

Field No. "A"

Scale 1:20,000

State Texas General locality Gulf Coast

Specific locality Sabine - Neches Canal

Dates: Survey began Sept 13, 1947 Completed Sept 25, 1947

Photography....., Supplemented by ground surveys to

Project No. Ph-14(46) Instructions dated undated (Supplement 1, 7/22/47)

~~Excess~~ Party } or Chief of party Ross A. Gilmore

Field work by C. H. Bishop Office work by C. H. Bishop

Final inking by C. H. Bishop

Ground elevations } in feet above { M. H. W.
Treetop elevations } or {
.....

Contours } by { Planetable
Approximate contours } Multiplex } Interval ft.
Form lines }

REMARKS Sheet used only to locate aids to navigation and one

landmark, to supplement photography.

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET FIELD LETTER "A"

PROJECT: Ph-14(46)

DATUM: NA 1927

DATE OF INSTRUCTIONS: undated
Supplement 1, 22 July 1947

DATE OF FIELD WORK: September 1947

SCALE: 1:20,000

PURPOSE: To locate existing aids to navigation and landmarks in the vicinity of the Neches River and the Sabine - Neches Canal that could not be located by means of the photographs due to insufficient coverage in the area of proposed chart 884 (part 3 of 3).

METHODS: Standard planetable methods were used. Horizontal control stations available were plotted in the field office and verified in the field before they were used to control the sheet.

CONTROL: Only those stations which could be used for control purposes are shown on the sheet and are as follows:

SABINE, 1933
HERON, 1933
LOCKS, 1933
PORT ARTHUR, ST. MARY'S HOSPITAL, STACK; 1933
NECHES RIVER REFERENCE LINE STATION 60400 (USE), 1941
" " " " " 129400 (USE), 1941

Recovery Notes, Form 526, have been submitted for all stations searched for whether recovered or not, and are included with the project data.

AIDS LOCATED: Two fixed aids which were considered to be of a somewhat more permanent nature than the others in this area were located by three-point theodolite fixes with check angles and are described on Form 525. These aids are SABINE-NECHES CANAL LIGHT 25 and SABINE-NECHES CANAL RANGE FRONT LIGHT 27 and are not shown on this sheet. These observations are recorded in "Horizontal Angles" Vol. 1 pp 1-6. (In Geodesy 4/48)

In Str. 81 (1948)

① These are listed as being from Photo Comp. No data or data given.

	From geodetic records:				
Lt. 22	29°56'05.66	174.3m	93°52'03.00	80.5m	G.P.'s p. 164, 3rd ed.
Lt. 25	29°57'47.80	1471.8	93°51'49.254	1720.8	"
Lt. 27	29°58'04.445	136.9	93°51'34.614	928.0	"

2 June 48 *CHD*

computation G-4611
L. T. S.

The following non-permanent fixed aids were located by planetable:

SABINE-NECHES CANAL RANGE FRONT LIGHT 46
SABINE-NECHES CANAL RANGE REAR LIGHT 24
" " " " REAR LIGHT 27
SABINE-NECHES CANAL LIGHT 29
NECHES RIVER LIGHT 3
" " LIGHT 4
" " LIGHT 6
ATRECO WHARF LIGHT 1
" " LIGHT 3

All existing floating aids to navigation were plotted on this sheet from sextant fixes and check angles taken directly at the aid. Plotting was done with a steel protractor. Observations are recorded in "Field Observations," Vol. 4 pp. 25-31, and pp. 36-40.

LANDMARKS: No previously charted landmarks fall in the area covered by this sheet. One new landmark, the light atop the very high bridge over the Neches River, was located and has been submitted on Form 567 to accompany the project data for the section "Vermilion Bay, Louisiana, to Port Arthur, Texas".

Landmarks not used. Bridge symbol received sufficient. 3 m. b.

MISCELLANEOUS: One storage tank was located by planetable and used as a topographic station. It is inked on the sheet as a permanent topographic station. A dead tree and a lone pole were located and used as temporary stations for use with sextant fixes only. These are penciled on the sheet.

Submitted by

Charles H. Bishop

Charles H. Bishop
Photo. Aid.

Approved and forwarded

Ross A. Gilmore

Ross A. Gilmore
Chief of Party

7041b

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1279
Diag'. on diag. ch. No. 1279

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Graphic Control

Type of Survey

Topographic

Field No. B Office No. 7041b

T-7041b
G.C.

LOCALITY

State TEXAS & LOUISIANA

General locality TEXAS & LOUISIANA BORDER

Locality SABINE PASS

PROJECT PH-14(46)

1947

CHIEF OF PARTY

Ross A. Gilmore

LIBRARY & ARCHIVES

DATE

B-1870-1 (1)

7041b

Graphic Control

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

REGISTRY No. 7041b

Field No. B

Scale 1:40,000

State Texas & Louisiana General locality Gulf Coast

Specific locality Sabine Pass

Dates: Survey began September 13, 1947 Completed September 25, 1947

Photography....., Supplemented by ground surveys to

Project No. Ph-14(46) Instructions dated undated (Supplement 1, 7/22/47)

~~Vessel~~ } or Chief of party Ross A. Gilmore
Party }

Field work by J. S. Howell Office work by J. S. Howell

Final inking by J. S. Howell

Ground elevations } in feet above { M. H. W.
Treetop elevations } or {

Contours } by { Planetable } Interval ft.
Approximate contours } { Multiplex }
Form lines } {

REMARKS Sheet used only to locate aids to navigation to supplement

photography.

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET FIELD LETTER "B"

PROJECT: Ph-14(46)

DATUM: NA 1927

DATE OF INSTRUCTIONS: undated
Supplement 1, 22 July 1947

DATE OF FIELD WORK: September 1947

SCALE: 1:40,000

PURPOSE: To locate existing aids to navigation and landmarks that fall in that portion of the Port Arthur Canal and Sabine Pass south of proposed chart 885 part 1 of 3. It was felt that the existing photography of this area was not of a sufficient density nor well enough controlled to give checked positions on these aids to navigation, therefore, they were located by planetable methods and may now be used to supplement existing control at the time of the radial plot.

METHODS: Standard planetable methods were used to locate and check all plotted positions except horizontal control. Horizontal control stations were plotted in the field office and verified in the field before they were used to control the sheet.

CONTROL: Only those stations necessary for control of planetable work were plotted on the sheet. The following listed stations were used:

KEITH (USE), 1909
PORT ARTHUR GULF STATES UTILITIES STACK, 1933
SABINE LONGITUDE STATION, 1911
SABINE PASS LIGHTHOUSE, 1874
SABINE PASS COAST GUARD STATION CUPOLA, 1933
TEXAS 2 (USE), 1933
SABINE PASS EAST JETTY LIGHT (OLD), 1923

One permanent aid, fixed on a concrete base, (SABINE PASS EAST JETTY LIGHT) was not located by triangulation methods in accordance with Supplement 1, dated 22 July 1947, but was located by planetable methods. This is a new light and should not be confused with the former SABINE PASS EAST JETTY LIGHT, 1933, which has been destroyed.

AIDS LOCATED: The following listed non-permanent fixed aids to navigation were located:

SABINE PASS OUTER RANGE FRONT LIGHT
 " " " " REAR "
 SABINE PASS JETTY CHANNEL RANGE FRONT LIGHT
 " " " " REAR "
 SABINE PASS INNER RANGE FRONT LIGHT
 " " " " REAR "
 QUARANTINE BOAT BASIN (2 LIGHTS)
 SABINE PASS CHANNEL LIGHT 34
 SUN OIL WHARF LOWER LIGHT
 " " " UPPER "
 SABINE PASS CHANNEL LIGHT 1
 " " " " 3
 PORT ARTHUR CANAL RANGE A FRONT LIGHT
 " " " " A REAR "
 " " " " B FRONT "
 " " " " B REAR " 2 lights on one tower
 " " " " C REAR "
 " " " " C FRONT "
 PORT ARTHUR CANAL LIGHT 1

The following listed floating aids were located:

SABINE PASS LIGHTED WHISTLE BUOYS 1, and 2 and BELL 2A
 SABINE PASS CHANNEL LIGHTED BUOYS 1, 3, 5, 7, 9, 12, 28,
 32, and 38.
 SABINE PASS CHANNEL LIGHTED BUOYS 7, 28, 32, 9, 38.
 SABINE PASS BUOYS 1A, 1B, 1C.
 SABINE PASS EAST JETTY BELL BUOY 2B
 SABINE PASS CHANNEL BUOYS 1, 4, 6, 10, 14, 16, 18, 20,
 20A, 22, 24, 30, 32A, 32B, 36, 40.

DISCREPANCIES: Discrepancies noted in the field against the listing in the Light List, Atlantic and Gulf Coasts of the United States, dated 1947, page 805; and charts 517 and 1279 are as follows:

SABINE PASS CHANNEL BUOY 26
 SABINE PASS CHANNEL BUOY 34A

(THE ABOVE BUOYS WERE NOT IN PLACE)

LANDMARKS: No new landmarks were selected for charting. Topographic positions were determined for the following presently charted landmarks:

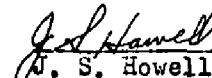
SABINE PASS MUNICIPAL WATER TANK (TANK)
 U. S. NAVY SECTION BASE WATER TANK (TANK)
 RADIO MAST NEAR SABINE PASS LIGHTHOUSE (R.BN)

The last mentioned landmark has been built near the site of a former radio mast that had been located by triangulation (RADIO TOWER NEAR SABINE PASS LIGHTHOUSE, 1933) and the two should not be confused.


All information pertaining to landmarks in this area is submitted on Forms 567 that accompany "Special Report, Intracoastal Waterway, Vermilion Bay, Louisiana to Port Arthur, Texas, Project Ph-14(46).

TOPOGRAPHIC FEATURES: No topographic features were shown on the sheet as all detail has been delineated on the photographs covering this area.

Submitted by


J. S. Howell
Cartographer

Approved and forwarded


Ross A. Gilmore
Chief of Party

NAUTICAL CHARTS BRANCH

SURVEY NO. T-7041 A+B

Record of Application to Charts

[illegible]

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.