

7056

Graphic Control

Diag'd. on diag. ch. No. 1264

Form 504 **

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey **GRAPHIC CONTROL**

Field No. **"B" 1947** Office No. **7056**

LOCALITY

State FLORIDA

General locality **GULF COAST**

Locality **DESTIN, EAST & WEST**

1947.....

CHIEF OF PARTY

FRED. L. PEACOCK

LIBRARY & ARCHIVES

DATE November 14, 1947

8-1870-1 (1)

Graphic Control

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO. 17056

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. **28 1947**

REGISTER NO.

State **FLORIDA**

General locality **GULF OF MEXICO, GULF COAST**

Locality **DESTIN, EAST AND WEST**

Scale **1:20,000** Date of survey **26 Feb**, 19**47**

Vessel **HYDROGRAPHIC**

Chief of party **Fred. L. Peaseok**

Surveyed by **Walter J. Chown**

Inked by **Walter J. Chown**

Heights in feet above.....to ground to tops of trees

Contour, Approximate contour, Form line interval.....feet

Instructions dated **26 September**, 19**47**

Remarks:

DESCRIPTIVE REPORT TO ACCOMPANY
GRAPHIC CONTROL SURVEY

Field No. "B" - 1947

Office No. _____

Destin, Florida, East and West

Scale 1 : 20,000

FRED. L. PEACOCK, CHIEF OF PARTY-----Ship HYDROGRAPHER

Surveyed by : Walter J. Chovan.

PROJECT:

CS-328, dated 26 September 1946.

CONTROL:

Triangulation stations located with second order accuracy in 1935 by G. L. Anderson, Chief of Party, and traverse stations located in 1942 by C. A. Schanck, Chief of Party, were used for control of this survey.

METHOD:

It was hard to obtain a starting point on this sheet as no two triangulation stations were intervisible. Only two stations in this area were referenced with azimuth marks, and one of these was destroyed.

The starting point used, DESTIN AZIMUTH MARK, for the western half of the sheet was determined in the following manner:

A small house (Mirror Station) was built over Station DESTIN, so the exact location of this station from the recovered reference marks could not be determined. It is estimated that this point was determined within two or three inches. From this point the distance to DESTIN AZIMUTH MARK was measured with a 300 foot steel tape, and the distance plotted on the azimuth line from the station. The orientation line was to Triangulation Station MORENO 1934

A traverse was run from DESTIN AZIMUTH MARK to triangulation Station FORT WALTON BROOKS BRIDGE CENTER LIGHT 1934, tying in at ANDY 1942, Reference Mark No. 2, and BILL 1942, Reference Mark No. 2. The distance along the traverse was measured with a 300 foot steel tape along the highway. The topographic stations were located by rod readings or by intersections. The intersection stations were checked with rod readings where ever possible.

The starting point for the Eastern half of the sheet was Triangulation Station MORENO 1934 using Radar Tower for orientation with a check on Tank. A rod reading was taken to TP 1 on the highway from MORENO 1934.

A traverse distance, measured with a 300 foot steel tape along the highway, was run from TP 1 to Triangulation Station MULE 1934, tying in at RENO 1934.

In checking in at RENO 1934, the azimuth failed to check. Since there was no way of having a starting azimuth on this section of the sheet, the error in azimuth was carried throughout the sheet and later was adjusted. The azimuth error occurred at TP 24 in transferring the azimuth from one strip to the other. At the previous TP 1 14 the orientation was checked by sighting on MORENO 1934. The topographic stations were located by taped distances, rod readings or by intersection.

GENERAL DESCRIPTION:

This area is a narrow strip of land between Choctawhatchee Bay and the Gulf of Mexico, cut in two at Destin by the entrance pass to

Choctawhatchee Bay. There is a bridge, about 30 feet high, over this pass. The shore line consists of low white sand dunes at each end of the sheet gradually increases in height to about 50 feet at Destin, and are covered with palmetto and scrub oak with scattered pine. The highway 98 parallels the high water line throughout the sheet, and is about 350 meters inshore of the high water line on the Western half of the sheet. It then crosses over the pass on the Highway Bridge and is about 20 meters inshore of the high water line on the Eastern half of the sheet. There are numerous beach cottages along the highway.

CLOSING ERRORS OF THE TRAVERSE:

The traverse on the Western half of the sheet closed flat both in distances and azimuths.

The traverse on the Eastern half of the sheet closed flat in distance but was out in azimuth. (30 meters at RENO 1934. 105 meters at MULE 1934), as noted under METHOD. The azimuth error was adjusted in the usual manner.

Respectfully submitted,

Walter J. Chovan
Walter J. Chovan, Lieut. Commander,
C. & G. Survey.

Respectfully forwarded:

Fred. L. Peacock
Fred. L. Peacock, Captain, C. & G. S.,
Commanding Officer, Ship HYDROGRAPHER.

This graphic control survey has been compared with contemporary hydrographic surveys. No further review by the Hydrographic Surveys Section is necessary at the present time.

J. A. Dinsmore
6/14/49

PLANE-TABLE POSITIONS

Object and description	Latitude	D.M.	Longi- tude	D.P.	Remarks
	° ' "	meters	° ' "	meters	
AZIMUTH MARK- (Destin 1942)	30 23	744 (1104)	86 31	866 (836)	
TANK-small water tank at Destin, Fla.	30 23	1227.6 (620.0)	86 30	957.4 (644.2)	CENTER OF TOP
WINDMILL at Destin, Fla.	30 23	1024.0 (723.6)	86 30	568.0 (1033.6)	Top
LHR-brick chimney on W. side of 2 story Wh. house, green roof largest in vicinity	30 23	863.8 (983.8)	86 29	971.2 (630.8)	Center of top
BUL-LONE tree near shoreline	30 23	364	86 28	1008 (594)	Ban in tree
RED-GABLE of garage N. side of road	30 23	99.0 (1748.5)	86 27	805.6 (796.2)	Top
YEL-S. GABLE WH. HO. green roof.	30 23	91	86 27	688 (914)	Top
DOR-Door gable in center of WH. Ho. green roof	30 22	1808 (40)	86 25	1336 (266)	Top
BLU-Front porch gable of Wh. Ho. Blue roof	30 22	1768 (80)	86 25	1050 (552)	Top
CHI-Brick Chimney on E. side of WH. Ho. green roof.	30 22	1576 (272)	86 24	1524 (78)	Top
SHU-Center S. face of Wh. Ho. Gray Roof Red shutters	30 22	1044 (804)	86 22	576 (1026)	Center

RADAR	30	23	1062.8 86 24 (785.6)	1120.0 (481.6)	Top
TANK-wooden (elev.)	30	23	844.4 (1003.0) 86 33	926.0 (675.6)	Top
PLAT- 30' lookout plat- form	30	23	602.6 86 32 (1245.0)	586.4 (1015.2)	Ban on SE corner

NAUTICAL CHARTS BRANCH

SURVEY NO. T-7056

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.