

5529

U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic } Sheet No. T-5529
~~*Hydrographic*~~ }

State Alabama

LOCALITY

Mobile Bay

~~Vicinity of Fairhope, Alabama~~

Fairhope and Vicinity

Photos taken ¹⁹³⁴ July 1934

CHIEF OF PARTY

M. H. Reese

5529

Applied to drawing of Chart 1266, Apr. 7, 1939, J.F. Walker.

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

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.

REGISTER NO. T-5529

T5529

State..... Alabama

General locality..... Mobile Bay

Locality..... *Fairhope and Vicinity*
~~Vicinity of Fairhope, Alabama~~

Scale..... 1:20,619* Date of ~~survey~~ photos July 18, 19 34

Vessel..... Air Photo Compilation Party No. 24, Pensacola, Fla.

Chief of party..... M. H. Reese

Surveyed by..... See data sheet in descriptive report.

Inked by..... C. Carter Brown

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

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

Instructions dated..... June 7, 19 34

Remarks: Compiled on scale of 1:20,619. Enlarged and printed by photolithography on scale of 1:20,000. Scale factor 0.97.

* Scale of *blueprint* 1:20,619

- STATISTICS -

on

SHEET, FIELD NO. _____, REG. NO. T-5529

PHOTOS, NO. 551 TO NO. 574

DATE OF PHOTOGRAPHS 7/18/34 TIME 8:30 a.m.

	BY	DATE FROM TO
ROUGH RADIAL PLOT	--	
SCALE FACTOR (0.97)	--	
SCALE FACTOR CHECKED	--	
PROJECTION	<i>E. P. Hernandez, Jr.</i> E. P. Hernandez, Jr.	6/14/35
PROJECTION CHECKED	<i>G. O. Coignet</i> G. O. Coignet	6/14/35
CONTROL PLOTTED	H. C. Ingerson	6/20/35
CONTROL CHECKED	<i>R. E. Wagner</i> R. E. Wagner	6/21/35
TOPOGRAPHY TRANSFERRED		
TOPOGRAPHY CHECKED		
SMOOTH RADIAL LINE PLOT	<i>C. Carter Brown</i> C. Carter Brown	6/27/35
RADIAL LINE PLOT CHECKED	<i>M. H. Reese</i> M. H. Reese	6/27/35
DETAIL INKED	<i>C. Carter Brown</i> C. Carter Brown	7/24/35
PRELIMINARY REVIEW OF SHEET	<i>R. S. Poor - E. L. Fitch</i> R. S. Poor - E. L. Fitch	7/30/35

TOTAL AREA OF SHEET 99.9 sq. Statute Miles
 AREA OF DETAIL INKED 57.1 sq. Statute Miles (Land Area)
 AREA OF DETAIL INKED _____ sq. Statute Miles (Shoals in Water Area)

LENGTH OF SHORELINE (more than 200 m. from nearest opposite shore) 15.8 Statute Miles
 LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide) 17.0 Statute Miles

GENERAL LOCATION Mobile Bay
 LOCATION *Fairhope and Vicinity*
 vicinity of Fairhope, Ala.

DATUM North American 1927

Latitude 30°36'07.480" (230.3 m.) ✓

STATION DAPHNE 1897-1934
(Adjusted)

Longitude 87°54'16.899" (450.2 m.) ✓

Ragged 1935 30° 35' 10.777" (331.9 m.) ✓ (Unadjusted)
 87° 54' 53.328" (1420.9 m.)

COMPILER'S REPORT

FOR

PHOTO TOPOGRAPHIC SHEET NO. T-5529

These stations of the Alabama Hydrographic Survey will probably be filed as second or third order traverses in the Division of Hydrography at some time in the future. However since no positions are yet available in Hydrography and miscellaneous ~~data~~ may differ appreciably from those computed by Rude and Adams on T-5529 the stations are shown on the sheet by circles
L.C.L.
3/19/40

I. GENERAL INFORMATION:

Instructions dated June 7, 1934.

All information not available from the photographs was supplied by the members of field inspection party. The draftsman assisted in field inspection in the northern half of the sheet.

The main portion of this sheet is characterized by the large areas of rich farming land under cultivation. This is particularly true in the central portion of the sheet. From the town of Fairhope south along the Bay shore to Point Clear settlement are numerous summer homes, this section being well known as a summer resort. There are four definite settlements on this sheet: the town of Daphne, the settlement of Montrose, the town of Fairhope, and the settlement of Point Clear.

As far as the topography of the sheet, the northern section is rather hilly, becoming gradually rolling as the southern section is approached. Along the shore a bluff ranging from 25 to 60 feet in height extends from the northern limit of the sheet south to the town of Fairhope. Trees back from the shore are mainly pines, with scattered broad-leaved trees, and grass. Closer to the shore, broad-leaved trees predominate.

The photographs used in tracing this sheet were made by the Aero Service Corporation's five-lens camera HUI-33. Pictures were taken at 8:30 a.m., July 18, 1934, and number from 551 to 574, running in a northerly direction.

Due to the fact that the normal range of tide in this locality is small (approximately 1.5 ft.), only high water line is shown.

II. CONTROL:

(A) Sources

1. Triangulation by Lieut. G. L. Anderson, 1934-1935.

2. Traverse by Local State Control - Alabama.

The triangulation on this sheet by Lieut. G. L. Anderson in 1934 is on the North American 1927 Datum (adjusted). The triangulation executed in 1935 is on the North American 1927 Datum (unadjusted).

The traverse run by the Alabama State Control in conjunction with the U.S. C. & G. Survey was computed on the Mercator projection for the state of Alabama and recomputed to geographic positions for the U.S. C. & G. Survey on the North American 1927 Datum from unadjusted values. The geographic positions are listed below:

1. T.T. 254-K
Lat. $30^{\circ}27'$ 302.7 m. ✓
Long. $87^{\circ}54'$ 400.4 m. ✓
2. T.T. 254-L
Lat. $30^{\circ}27'$ 217.4 m. ✓
Long. $87^{\circ}54'$ 1484.0 m. ✓
3. T.T. 254-M
Lat. $30^{\circ}28'$ 768.3 m. ✓
Long. $87^{\circ}55'$ 202.7 m. ✓
4. T.T. 254-N
Lat. $30^{\circ}28'$ 1077.5 m. ✓
Long. $87^{\circ}55'$ 416.1 m. ✓
5. T.T. 254-O
Lat. $30^{\circ}28'$ 1762.6 m. ✓
Long. $87^{\circ}55'$ 1251.1 m. ✓
6. T.T. 254-P
Lat. $30^{\circ}29'$ 40.6 m. ✓
Long. $87^{\circ}55'$ 1584.0 m. ✓
7. T.T. 254-Q
Lat. $30^{\circ}30'$ 1573.3 m. ✓
Long. $87^{\circ}55'$ 120.2 m. ✓
8. T.T. 254-R
Lat. $30^{\circ}31'$ 157.0 m. ✓
Long. $87^{\circ}54'$ 1380.6 m. ✓
9. T.T. 254-S
Lat. $30^{\circ}32'$ 1362.0 m. ✓
Long. $87^{\circ}53'$ 1262.3 m. ✓
10. T.T. 254-T
Lat. $30^{\circ}33'$ 28.0 m. ✓
Long. $87^{\circ}53'$ 1381.2 m. ✓

- 11. T.T. 254-U
Lat. 30°34' 1431.9 m. ✓
Long. 87°54' 423.6 m. ✓
- 12. T.T. 254-V
Lat. 30°34' 1582.8 m. ✓
Long. 87°54' 261.9 m. ✓
- 13. T.T. 252-A
Lat. 30°28' 625.7 m. ✓
Long. 87°52' 643.7 m. ✓
- 14. T.T. 252-B
Lat. 30°28' 616.5 m. ✓
Long. 87°51' 1224.4 m. ✓
- 15. T.T. 260-A
Lat. 30°36' 407.1 m. ✓
Long. 87°54' 270.9 m. ✓
- 16. T.T. 253-B
Lat. 30°36' 418.5 m. ✓
Long. 87°53' 858.9 m. ✓
- 17. T.T. 253-C
Lat. 30°36' 413.3 m. ✓
Long. 87°52' 1107.4 m. ✓
- 18. T.T. 253-D
Lat. 30°36' 410.8 m. ✓
Long. 87°52' 242.2 m. ✓
- 19. T.T. 253-E
Lat. 30°36' 398.5 m. ✓
Long. 87°51' 200.1 m. ✓

T.T. Stations MACK E and MACK F on the shoreline between latitudes 30°26' and 30°27' are not shown, as geographic positions were not available. Ties were too weak to warrant location of stations by radial plot. Reference Mark No. 1 DAPHNE U.S.E. 1910 was recovered and located by radial plot. B.M. POINT CLEAR 2 1918, U.S.E. Map Control Stations Nos. 105 and 115 were located by radial plot. Due to the fact that RAGGED 1935 was impossible to tie in, it was not used in the compilation. Its plotted position is shown on the sheet. Ties on T.T. 254-B were poor and station did not hold consistently with radial plot; it is shown on sheet by plotted position. 2

(B) Errors

No errors were encountered in the control of this sheet, and control was quite adequate.

III. COMPILATION:

(A) Method

The standard five-lens method of radial plot was used in this compilation.

(B) Adjustments of plot

No unusual adjustment of plot was necessary on this sheet.

(C) Interpretation

All symbols appearing on this compilation are those approved by the Board of Surveys and Maps (1932), except the symbol ($\{$) used to designate brush.

(D) Information from other sources

No information other than that mentioned under "General Information " was used in the compilation of this sheet.

(E) Conflicting names

No conflicting names appear on this sheet.

All names shown on this compilation have been taken from U. S. C. & G. Survey Chart No. 1266, or from notes submitted by field inspection party.

(F) New names

1. Eddin Wharf - approx. lat. $30^{\circ}36'$
" long. $87^{\circ}55'$

This name is found on a sign at the foot of the wharf and refers to the owner of the wharf. The name is in accepted local usage.

2. Burkel's Pavilion - approx. lat. $30^{\circ}31'$
" " long. $87^{\circ}55'$

This name is found on a sign in front of the pavilion and was confirmed by residents of the locality. The name is in well established local usage and refers to the owner of the pavilion.

3. Magnolia Beach - approx. lat. $30^{\circ}31'$
" " long. $87^{\circ}55'$

This name is applied to the strip of beach just south of Burkel's Pavilion and is in use by the residents of Fairhope. A sign in the vicinity of the beach bears the name "Magnolia Beach".

4. Zundel Landing - approx. lat. $30^{\circ}28.5'$
" " long. $87^{\circ}55'$

This name is applied to the large pier about $3/4$ mile south of Great Point Clear and was obtained from residents of the locality. The name refers to the owner of the pier.

5. Marlow Road - approx. lat. $30^{\circ}28.5'$
" " long. $87^{\circ}55'$

This name is given to the road running east from Zundel Landing. The name is on a sign post at the intersection with the Point Clear road and is in accepted local usage.

IV. COMPARISON WITH OTHER SURVEYS:

Junctions with sheet No. T-5528 to the south and sheet No. T-5530 to the north are in agreement.

In comparing this sheet with Chart No. 1266, it is found that several wharves appearing on the chart do not appear on this sheet. All wharves appearing on photographs are shown on this compilation.

No contemporary surveys were available with which to compare this area.

V. LANDMARKS:

Landmarks in this area are submitted on Form 567.

VI. RECOMMENDATIONS FOR FURTHER SURVEYS:

To the best of the knowledge of the draftsman, this sheet is complete in all detail of importance for charting purposes and no additional survey is recommended.

Submitted by: C. Carter Brown
C. Carter Brown,
Draftsman.

Approved by: M. H. Reese
M. H. Reese,
Chief of Party.

*This compilation is considered correct within 0.3 to 0.5 m.m.
for intersected points and 0.3 to 0.8 m.m. for other detail.
P. G. E.*

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Pensacola, Florida,

July 30, 193 **5**

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE		LONGITUDE		DATUM		
	°	'	°	'			
		D.M. METERS		D.P. METERS			
Great Pt. Clear Lt. Bn.	30	28 1269.6	87	57 489.0	N.A. 1927 Unadj.	Triangulation	1266

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive identification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

Remarks

Decisions

1		
2	On photo-compilation only, as name is semi-permanent.	
3		
4		
5		
6	Named Volanta on Unit. Reconnaissance Map.	
7	" Bayre Valante on T "Misc. 2." VOLANTA BAYOU ON T 3713. (from the Spanish probably Volanta, meaning 2 wheeled conveyer)	
8		
9	On photo-compilation only, name probably temporary.	
10	"BATTLES" ON MILITARY RECON. MAP.	
11	BIG POINT CLEAR ON MISC. 2 ; PT. CLEAR ON T 286.	
12		
13	On photo-compilation only as name is semi-permanent.	
14	Do.	
15	Do.	
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-5529

Name on Survey	On Chart No.		On previous survey No.		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
	A	B	C	D	E	F	G	H	K							
<u>Village Point</u>	1226	T3713														1
<u>Eddin Wharf</u>																2
<u>Daphne</u>	1266	T3713							✓	✓						3
<u>Ragged Point</u>	1266		✓													4
<u>Montrose</u>	1266		✓						✓	✓						5
<u>Seacliff</u>	1266															6
VOLANTA <u>Voltana Bayou</u>	1266	T3713														7
<u>Fairhope</u>	1266	T3713	✓						✓	✓						8
<u>Magnolia Beach</u>				✓												9
<u>Battles Wharf</u>	1266	T3713							✓	✓						10
<u>Great Point Clear</u>	1266	T3713	✓										✓			11
<u>Point Clear</u> town	1266	T3713							✓	✓						12
<u>Burkel Pavilion</u>				✓												13
<u>Zundel Landing</u>				✓												14
<u>Marlow Road</u> OK.		T3713		✓												15
<u>Mobile Bay</u>	1266															16
																17
																18
																19
																20
																21
																22
																23
																24
																25
																26
																27

Names underlined in red approved
by *Stegner* on 2-4-36

REVIEW OF AIR PHOTO COMPILATION T 5529
Scale 1:20,000

There are no graphic control surveys in this area.

Comparison with Previous Topographic Surveys

Misc. 2 (1845), 1:200,000 - Reconnaissance
T 286 (1849), 1:20,000
T 294 (1849), 1:10,000
T 3713 (1917), 1:40,000

The general shoreline features are the same. Practically all of the piers on the above surveys have either been destroyed or are in ruins.

The 1849 surveys show bluffs and contours. T 5529 shows all bluffs of importance.

T 5529 is adequate to supersede the above surveys over the common area except for contours.

There are no contemporary hydrographic surveys in this area.

Comparison with chart 1266

The photographs have been examined and this survey shows all docks that now exist.

The road and street systems are somewhat different from that shown on the chart.

Landmarks and Aids to Navigation

The one light shown on the chart in this area (Great Point Clear Light Beacon) is shown on this survey. It is the only landmark recommended by the field party.

Three landmarks are shown on the chart, in addition to the light mentioned above, in this area, none of which has been recommended by the field party. The photographs which are clear were examined in each case with the following results:

Tank, $30^{\circ} 28.5'$, $87^{\circ} 55.25'$. This tank is not visible in the photographs and was not spotted by the field inspection. It is not shown on T 5529.

Chimney, $30^{\circ} 29'$, $37^{\circ} 56.25'$. This chimney is not visible in the photographs and was not spotted by the field inspection. The position is from T 3713 (1917) and appears to be the chimney on the seaward side of the Point Clear Hotel. The hotel but not the chimney is shown on T 5529.

Tank, $30^{\circ} 31.5'$, $87^{\circ} 54.25'$. This tank is apparently triangulation station Tank, Fairhope Municipal, 1934. The street system of Fairhope in this vicinity on the chart is obviously in error. This tank is shown on T 5529.

March 24, 1936.

Frank G. Erskine

Frank G. Erskine.

REVIEW OF AIR PHOTO COMPILATION NO. T-5529

Chief of Party: M. H. Reese

Compiled by: C. Carter Brown

Project: Alabama-Florida Compilation Instructions dated: June 7, 1934

1. The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b, c, d, e, g and i; 26; and 64)

Yes.

2. Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g, n)

Yes.

3. Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d, e)

Has been discussed in descriptive report.

4. Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28)

None were submitted.

5. Differences between this compilation and contemporary plane table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report.

No contemporary surveys available.

6. The control and adjustment of the photo plot are discussed in the descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c, h, i)

Yes.

7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

Yes.

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs." 4-67

8. The representation of ^{high} ~~LOW~~ water lines, ~~reefs, coral reefs and rocks, and legends pertaining to them~~ is satisfactory. (Par. 36, 37, 38, 39, 40, 41)

Yes.

9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934. (Par. 29, 30, and 57)

Yes.

10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)

Yes.

11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)

No bridges over navigable streams are found in this area.

12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)

Has been complied with.

13. The geographic datum of the compilation is N. A. 1927 and the reference station is correctly noted. (Unadjusted)

Yes.

14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)

Yes.

15. The drafting is ^{fair} ~~satisfactory~~ and particular attention has been given the following:

1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.
2. The degrees and minutes of Latitude and Longitude are correctly marked.

3. All station points are exactly marked by fine black dots.
4. Closely spaced lines are drawn sharp and clear for printing.
5. Topographic symbols for similar features are of uniform weight.
6. All drawing has been retouched where partially rubbed off.
7. Buildings are drawn with clear straight lines and square corners where such is the case on the ground.

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.

17. Remarks:

18. Examined and approved;




M. H. Reese
Chief of Party

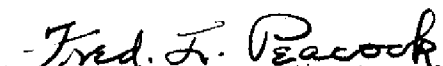
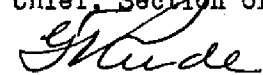
19. Remarks after review in office:

Reviewed in office by:



Examined and approved:


Chief, Section of Field Records

Chief, Division of Charts


Chief, Section of Field Work

Chief, Division of Hydrography
and Topography.