

11078

Diag. Cht. No. 1263.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. Ph-110 Office No. T-11078

LOCALITY

State Florida

General locality St. Andrews Bay

Locality Panama City

19452-53

CHIEF OF PARTY

P. Taylor, Chief of Party No. 1

J. C. Sammons, Baltimore Photo. Off.

LIBRARY & ARCHIVES

DATE January 14, 1958

B-1870-1 (1)

11078

DATA RECORD

T -11078

Project No. (II): Ph-110

Quadrangle Name (IV):

Field Office (II): Brunswick, Georgia

Chief of Party: Paul Taylor

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Jack C. Sammons

Instructions dated (II) (III):

Field: 16 December 1952

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:5,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV):

JUL 28 1953

Date reported to Nautical Chart Branch (IV): JUL 28 1953

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): M.H.W.

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

I.e., mean low water or mean lower low water

Reference Station (III): RUSS, 1935

Lat.: 30° 11' 14.981" (461.3m)

Long.: 85° 45' 05.167" (138.2m)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV):

State:

Zone:

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

Inapplicable

Areas contoured by various personnel
 (Show name within area)
 (II) (III)

DATA RECORD

Field Inspection by (II): Henry R. Spies,
Cartographic Survey Aid

Date: Jan.-Feb., 1953

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

2 October 1952 Field Inspection
photographs

Projection and Grids ruled by (IV): J. Allen

Date: 1/26/53

Projection and Grids checked by (IV): H. D. Wolfe

Date: 1/28/53

Control plotted by (III): L. A. Senasack
J. C. Richter

Date: 4/9/53
4/24/53

Control checked by (III): J. Steinberg
F. M. Wisiecki

Date: 4/9/53
4/24/53

Radial Plot on ~~Stereoscopic~~

~~Control extension~~ by (III): A. Queen

Date: 4/13/53

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J. C. Richter

Date: 5/11/53

Photogrammetric Office Review by (III): R. Glaser

Date: 6/26/53

Elevations on Manuscript
checked by (II) (III):

Date:

Camera (kind or source) (III): USC&GS Single lens "0" camera

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
52-0-1679 thru 1684	10/2/52	0904	1:5,000	1.0 ✓
52-0-1688 thru 1693	"	0913	"	"

hi 6122 = 1.4 ft - 0.45 mm = 5.42
 lo 17.32 = 0.5 - 16.55

Tide (III)
From predicted tide tables

Reference Station: Pensacola, Florida
 Subordinate Station: Panama City
 Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	-	1.3
1.0	-	1.3

Washington Office Review by (IV):

Lena J. Stevens

Date: 27 Apr. 1954

Final Drafting by (IV):

M Day

Date: 8-12-57

Drafting verified for reproduction by (IV):

W O Hallum

Date: 8-13-57

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III):

3

Shoreline (More than 200 meters to opposite shore) (III): 7 statute mi.

Shoreline (Less than 200 meters to opposite shore) (III): 1 statute mi.

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

17

Recovered:

15

Identified:

14

Number of BMs searched for (II): none

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): none

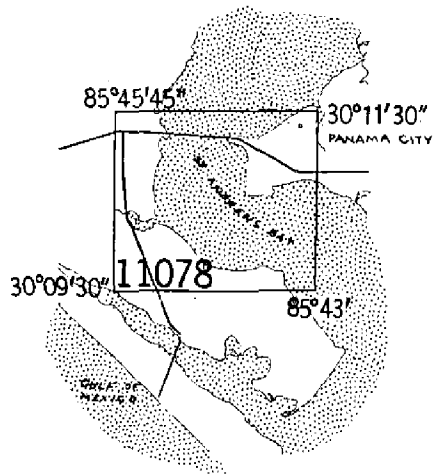
Number of Temporary Photo Hydro Stations established (III): 8

Remarks:

3 triangulation, intersection stations and 1 control point established
 15 additional intersection stations established (Form 24-A) (aids)

PLANIMETRIC MAPPING PROJECT PH- 110

Panama City, Florida



OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet	Sq. Miles	Lin. Miles
No.	Area	Shoreline
11078	3	8
TOTALS	3	8

PROJECT REPORT

PH-110

Paul Taylor, Chief of Party

The field work was done in accordance with Instructions, dated 16 December 1952, by Mr. Henry R. Spies and one assistant.

AREAL FIELD INSPECTION

The eastern part of the project includes a portion of the town of St. Andrew which is moderately populated and is adequately served by U. S. Highway No. 98 and a well-developed street system.

With the exception of the U. S. Navy Mine Countermeasures Station, the western part is mostly in its natural state of woods and swamp. U. S. Highway No. 98 and State Highway No. 392 serve the area, and are supplemented by numerous woods roads and a graded road which parallels the southern project limit.

The small summer resort of Magnolia Beach is located on the easterly shore of Bear Point.

During the war a shipyard was in operation on Dyer's Point, but is now inactive. It is used as a supply depot by the U.S. Navy to accommodate vessels which are too large for the facilities at the Naval Base. Several of the larger buildings, which are shown on the nautical charts, have been destroyed as a result of a fire in December, 1952. These have been indicated for deletion by the field inspector.

The U. S. Navy Mine Countermeasures Station is located on the west shore of St. Andrew Bay, south of U. S. Highway No. 98. This base is in an active status and much construction work is still being carried on.

HORIZONTAL CONTROL

(a) Point No. 1 was established to supplement existing control^{*} for the location of aids to navigation. It was located by a three-point theodolite fix with a check angle. It is believed to be of sufficient accuracy to control the photo plot and has been identified.

1 vol. GH/G-9959
1 c. 67286720/G-9960

1 vol. GH (6-9959)
1 c. 67286720 (6-9960) (6720)

(b) All stations are on N.A. 1927 datum.

(c) All stations are Coast and Geodetic Survey control.

(d) Station DREW, 1935 was not identified. Only one reference mark to this station could be found. Identification of this mark was impractical as it is located in a narrow space between a house and shed and is surrounded by high shrubbery.

(e) LONG BEACH WATER TANK, 1935 and COURT, 1935 were not searched for. Both stations were reported destroyed in 1941 and 1942, respectively.

(f) All identification is believed positive.

VERTICAL CONTROL

Inapplicable.

CONTOURS AND DRAINAGE

Inapplicable.

WOODLAND COVER

The woodland cover was classified in representative areas in accordance with the Topographic Manual.

The cover on the sand ridges is generally mixed woods. The large timber has been cut, and the present growth consists of short leaf pine and scrub oak ranging in height from 10 to 20 feet. Live Oak and Hickory are predominant in areas classified as deciduous.

The swamp growth is a mixture of gum and scattered cypress with heavy undergrowth. Around most of the swamp areas is a fringe of heavy brush, which photographed as a light gray tone. The swamp limits follow the darker tone inside this fringe.

It is believed that sufficient areas have been classified to enable the compiler to interpolate the remainder with little difficulty.

SHORELINE AND ALONGSHORE FEATURES

(a) The mean high-water line generally follows the jetsam line, or grass line, which is evident on the photographs. There has been no appreciable change in either line since the time of photography.

(b) The low-water line was inspected at the time of low-water, when practical, and has been indicated on the photographs in areas in which the inspection was made. For the most part it is clearly discernible on the photographs.

(d) Along the western shore of St. Andrew Bay, extending north and south of triangulation station BLUFF 2, 1935, for about 1/4 mile is an earth bluff, varying in height from about 5 to 15 feet.

(e) All docks, wharves, piers, etc. have been indicated on the photographs.

(f) There are two submerged cable areas in the project:

Signs indicating the east and west ends of the cable area at Hathaway Bridge have been shown on the photographs.

Piles marking the cable area at the Naval Base were located by intersection during location of aids to navigation.

(g) Two shoreline features of major importance are the U. S. Navy Mine Countermeasures Station and the shipyard at Dyer's Point. Both features were discussed earlier in this report.

OFFSHORE FEATURES

The submerged wreck, indicated on Chart No. 489 at position 30°-11.5' North, 85°-45.1' West, and the rock indicated at position 30°-11.1' North, 85°-44.0' West, were searched for by skiff but could not be found. The water in the bay was clear and bottom characteristics visible to a depth of about 6 feet, but no trace of either the wreck or rock was seen. deleted

LANDMARKS AND AIDS TO NAVIGATION

Landmarks and aids to navigation were located in accordance with project instructions by intersection from triangulation stations. The observations consisted of 4 positions with a Wild T-2 theodolite. A rejection limit of 5 seconds was adhered to, and a minimum of three cuts was taken to each aid.

It was necessary to occupy the reference mark at station SULPHUR PT.3,1935, as no aids were visible from the station because of local obstructions.

In addition to the charted aids, the Navy has established two ranges on the west side of the bay. The range markers were located by intersection, and a point on each range was located by a three-point theodolite fix with a check angle. In order to obtain the fix to locate these points, it was necessary to observe on Dyer's Point Light and Bear Point Light. Both lights were located previously by intersection, with four cuts taken to each.

All aids are reported on Form 567. *copy attached*

The East and West Radio Towers at the Naval Base and the State Highway Patrol Radio Tower were located by intersection for landmarks. They are described on Form 525b and reported on Form 567.

Section Base Channel Daybeacons 7, 11, and 13 have been removed by dredging operations now in progress in the turning basin. They are recommended for deletion on Form 567.

BOUNDARIES, MONUMENTS AND LINES

A plat of the U. S. Navy Mine Countermeasures Station is enclosed with this report. At the present time, the property corners are not monumented. A search was made for several of the original survey stakes but none were found. One point-of-beginning was found at the intersection of a cut survey line and the right-of-way of State Highway No. 392. This point was identified on the photographs and indicated on the plat. The boundary fence is discernible around most of the station, and has been indicated by the field inspector. It is believed that no difficulty will be encountered by the compiler in delineating the boundary through the use of these factors. -

Photos 52-O-1692

OTHER CONTROL

Photo-hydro stations 101 to 109 were identified on the east shore of St. Andrew Bay. If desirable, these points are to be located by the photo plot. ✓

INTERIOR FEATURES

All roads, buildings, etc. have been classified in accordance with the Topographic Manual.

GEOGRAPHIC NAMES

No geographic names investigation was made.

SPECIAL REPORTS AND SUPPLEMENTAL DATA

A copy of the proposed dredging operation in the turning basin and channel of the Naval Station is enclosed with this report. Dredging is now in progress in the turning basin, and the estimated date of completion is May to June, 1953.

Lt. Comdr. Nelson, Operations Officer of the base, has requested that any hydrography in the area be withheld until completion of the dredging project, at which time, he will notify the Director and submit a copy of the final survey of the basin and channel.

RECOMMENDATIONS

It is recommended that a change be made in the name of the following aid to navigation: Change "St. Andrew Bay Cable Area Light 3", to "Small Craft Range, Front Beacon (lighted)". The Light List name is erroneous, as the aid does not mark the cable area, but is the front range beacon for the U. S. Naval small craft range, and the daymarker is more prominent than the light.

16 February 1953,
Submitted by:

H. R. Spies ^{GEV}
Henry R. Spies,
Cartographic Survey Aid

17 February 1953,
Approved by:

Paul Taylor
Paul Taylor
Lt. Comdr., USC&GS
Chief of Party

PHOTOGRAMMETRIC PLOT REPORT
Project Ph-110
Survey T-11078

21. AREA COVERED

This radial plot covers the area of Survey T-11078 at Panama City, Florida; it is a planimetric survey.

22. METHOD - RADIAL PLOT

Map Manuscripts:

An acetate sheet with polyconic projections in black and Florida State Grid in red, at a scale of 1:5,000, was furnished by the Washington office.

All control and substitute stations were plotted using beam compass and meter bar.

A sketch showing distribution of control and photograph centers is attached to this report.

Photographs:

All photographs used are single lens prints, contact scale 1:20,000 ratioed to scale 1:5,000. Twelve (12) photographs were used, numbered as follows:

52-0-1679 thru 52-0-1684
52-0-1688 thru 52-0-1693

Templets:

Vinylite templets were made for all photographs, using a master templet to correct for errors due to paper distortion and chamber displacement.

Closure and Adjustment to Control:

The radial plot was constructed on vinylite base sheets. Since there was only one sheet, all control was transferred to the base sheet as a unit disregarding all projections and grids.

The radial plot was started using photographs 1681 and 1691 which were well controlled. The plot was then extended northwesterly and southeasterly. A satisfactory plot was obtained within the limits of the sheet. Some adjustment was necessary at the western end of the southern flight, but this caused no serious difficulty.

Transfer of Points:

The map manuscript was oriented over the completed plot holding all control stations, and all passpoints and photograph centers were pricked directly on the manuscript.

23. ADEQUACY OF CONTROL

There was adequate control for a satisfactory radial plot. All stations were held in the plot.

24. SUPPLEMENTAL DATA

None

25. PHOTOGRAPHY

The photographic coverage was adequate. The four time enlargement of the photographs caused a great deal of adjustment, in the preparation of templets, due to paper distortion. However, this caused no serious difficulty in the radial plot.

Photograph definition is good. There were no badly tilted photographs.

Respectfully Submitted
13 April 1953

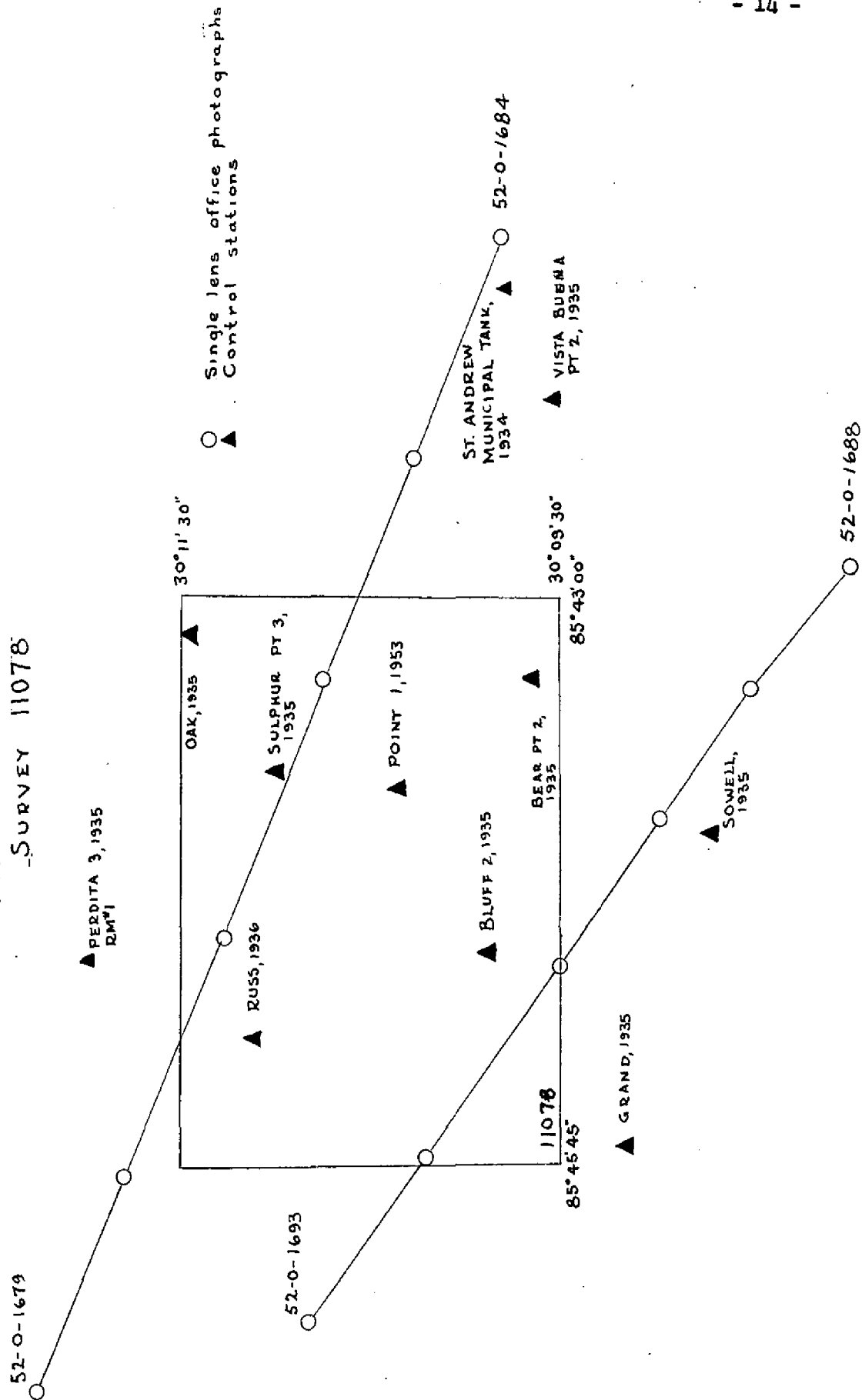
Albert Queen
Albert Queen,
Carto. Photo. Aid

Em

LAYOUT SKETCH

PROJECT PH 110

SURVEY 11078



MAP T. 11078 PROJECT NO. PH-110 SCALE OF MAP 1:5000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR μ -COORDINATE LONGITUDE OR x -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
PERDITA 3, 1935	G-4775 pg. 614	N.A. 1927	30 12	07.369	N. of map area		226.9	(1620.6)	
			85 44	43.152			1154.2	(450.6)	
SUB PT. R. M. No. 1 PERDITA 3, 1935			30 12				221.1	(1626.4)	
			85 44				1174.5	(430.3)	
ST. ANDREW 1934 MUNICIPAL TANK	G-2042 pg. 99	N.A. 1927	30 10	05.150	E. of map area		158.6	(1688.9)	
			85 41	35.104			939.2	(666.1)	
VISTA BUENA 2, 1870	G-4775 pg. 615	"	30 09	56.392	S. of map area		1736.4	(111.1)	
			85 42	04.781			127.9	(1477.6)	
Sub Pt. VISTA BUENA 2, 1870			30 09	04.781			1716.4	(131.1)	
			85 42				110.3	(1495.2)	
COURTNEY PT. 3, 1910	G-4775 pg. 621	N.A. 1927	30 08	49.328	SE. of map area		1518.9	(328.6)	
			85 42	36.749			983.5	(622.3)	
Sub Pt. COURTNEY PT. 3, 1910			30 08				1549.7	(297.8)	
			85 42				996.7	(609.1)	
ALLIGATOR(USE) 1934	G-4775 pg. 621	"	30 08	06.972	S. of map area		214.7	(1632.8)	
			85 43	20.401			546.0	(1059.9)	
Sub Pt. ALLIGATOR (USE) 1934			30 08				216.0	(1631.5)	
			85 43				537.7	(1068.2)	
SOWELL, 1935	G-4775 pg. 621	N.A. 1927	30 08	44.148	S. of map area		1359.4	(488.1)	
			85 44	21.458			574.3	(1031.5)	
Sub Pt. SOWELL, 1935			30 08				1371.0	(476.5)	
			85 44				528.7	(1077.1)	

1 FT. = 3048008 METER
COMPUTED BY: J. C. Cregan

DATE 20 March 1953

CHECKED BY: A. Queen

DATE 27 March 1953

MAP T. 11078

PROJECT NO. PH-110

SCALE OF MAP 1:5000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			°	'	FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
OAK, 1935	G-4775 Pg. 614	N.A. 1927	30	11	31.796			979.1	(868.4)		
Sub Pt. OAK, 1935			85	43	12.835			343.3	(1261.7)		
			30	11				979.0	(868.5)		
			85	43				368.8	(1236.2)		
RUSS, 1935	G-4775 Pg. 614	N.A. 1927	30	11	14.981			461.3	(1386.2)		
Sub Pt. RUSS, 1935			85	45	05.167			138.2	(1466.9)		
			30	11				426.2	(1421.3)		
			85	45				66.4	(1538.7)		
SULPHUR PT. 3, 1935	G-4775 Pg. 614	N.A. 1927	30	11	10.262			316.0	(1531.5)		
Sub Pt. SULPHUR PT. 3, 1935			85	44	04.225			113.0	(1492.1)		
			30	11				329.4	(1518.1)		
			85	44				107.8	(1497.3)		
POINT NO. 1, 1953	Office Comp.	N.A. 1927	30	10	33.644			1036.0	(811.6)		
			85	43	59.061			1580.2	(25.1)		
BLUFF 2, 1935	G-4775 Pg. 615	"	30	10	01.565			48.2	(1799.3)		
			85	44	45.406			1214.9	(390.5)		
Sub Pt. BLUFF 2, 1935			30	10				50.7	(1796.8)		
			85	44				1218.0	(387.4)		
BEAR PT. 2, 1935	G-4775 Pg. 615	N.A. 1927	30	09	40.924			1260.1	(587.4)		
			85	43	27.490			735.6	(869.9)		
Sub Pt. BEAR PT. 2, 1935			30	09				1282.3	(565.2)		
			85	43				751.2	(854.3)		

1 FT. = 3048006 METER

COMPUTED BY: J. C. Cregan

DATE 20 March 1953

CHECKED BY: A. Queen

DATE 27 March 1953

M-2388-12

SCALE FACTOR

MAP T-.....11078.....

PROJECT NO.....PH-110.....

SCALE OF MAP 1:5000.

SCALE FACTOR

[illegible]

1 FT. = 3048006 METER
COMPUTED BY: J.

COMPUTED BY: J. C. Cregan

DATE 20 March 1953

CHECKED BY: A. Queen

DATE 27 March 1953

M-2388-12

MAP T-11078

PROJECT NO. Ph-110(53)

SCALE OF MAP 1:5,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
								FROM GRID OR PROJECTION LINE IN METERS			
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
DYERS PT. SHOAL LT., 1953	Comp. Wash.	N.A. 1927	30	10	34.19	# 5542 ϕ 6859		1052.8	(794.7)		
			85	44	08.83	GH(6-9959) 672X 6720(6-9960)		236.2	(1369.1)		
BEAR PT. SHOAL LT., 1953	"	N.A. 1927	30	09	54.05	# 5540 ϕ 6858		1664.3	(183.2)		
			85	43	15.01	"		401.6	(1203.8)		
SECTION BASE 1953 CHANNEL LT 1,	"	"	30	10	26.49	# 5543 ϕ 6860		815.7	(1031.8)		
			85	44	47.00	"		1257.5	(347.8)		
CABLE AREA E'LY PILE OF 2, 1953	"	"	30	10	39.61	"		1219.7	(627.8)		
			85	44	52.94	St Andrew Bay Cable Area Lt. 1		1416.4	(188.9)		
CABLE AREA W'LY PILE OF 2, 1953	"	"	30	10	38.93	"		1198.7	(648.8)		
			85	44	53.76	"		1438.3	(167.0)		
LARGE CRAFT RANGE FRONT BEACON, 1953	"	"	30	10	57.53	"		1771.5	(76.0)		
			85	45	03.50	"		93.6	(1511.6)		
SEC BASE CHAN EN 3, 1953	"	"	30	10	19.84	"		610.9	(1236.6)		
			85	45	00.77	"		20.6	(1584.7)		
SMALL CRAFT RGE FRT BN (LTD), 1953	"	"	30	10	49.22	"		1515.6	(331.9)		
			85	45	03.26	St Andrew Bay Cable Area Lt. 3		87.2	(1518.0)		
SEC BASE CHAN LT 6, 1953	"	"	30	10	20.78	"		639.9	(1207.6)		
			85	45	04.92	# 5544		131.6	(1473.7)		
SEC BASE CHAN LT 5, 1953	"	"	30	10	17.84	"		549.3	(1298.2)		
			85	45	04.92	"		131.6	(1473.7)		
LARGE CRAFT RGE REAR BN, 1953	"	"	30	11	01.39	"		42.8	(1804.7)		
			85	45	07.30	"		195.3	(1409.9)		
ST ANDREW E RADIO TOWER	"	"	30	10	21.14	"		650.9	(1196.6)		
			85	45	13.91	"		372.2	(1233.1)		

1 FT. = 3048006 METER

COMPUTED BY: J. O. Richter

DATE 24 April 1953

CHECKED BY: J. Vonasek

DATE

24 April 1953

M-2388-12

MAP T. 11078 PROJECT NO. PH-110 SCALE OF MAP 1:5,000 SCALE FACTOR

MAP T-11078

PROJECT NO. PH-110

SCALE OF MAP 1:5,000

SCALE FACTOR

SCALE FACTOR

[illegible]

1 FT. = 3048006 METER

COMPUTED BY. J. C. Richter

DATE:

24 April 1953

CHECKED BY: J. Vonasek

DATE 24 April 1953

M-2388.17

COMPILATION REPORT
T-11078

31. DELINEATION

The graphic method was used in the compilation of this manuscript.

Some photographs did not have sufficient overlap at the southern half of the sheet and some detail points have only two cuts, but are believed strong enough for accurate delineation. A discrepancy overlay has been prepared for this manuscript.

32. CONTROL

Horizontal control was adequate and placement was satisfactory.

33. SUPPLEMENTAL DATA ✓

A map showing boundaries of Naval Section Base MCA No. 61, was used to locate the boundaries of the Naval station and to delineate several new buildings.

Sections of Chart 489, furnished by the Field party, contained information regarding aids to navigation.

34. CONTOURS AND DRAINAGE

Contours - inapplicable.

Drainage - No comment.

35. SHORELINE AND ALONGSHORE DETAIL

The shoreline inspection was adequate for delineation.

The low water line was delineated from field inspection and office interpretation.

36. OFFSHORE DETAILS

No comments.

37. LANDMARKS AND AIDS

Three landmarks and twelve non-floating aids were located by triangulation and computed in the Washington office. Forms 567 were completed and are being submitted with this report.

38. CONTROL FOR FUTURE SURVEYS

There are no recoverable topo stations.

Eight Photo-Hydro stations identified by the field party were located by radial plot method and a list of descriptions has been prepared for the hydrographer ~~on paragraph 49~~ page attached hereto, designated 49.

39. JUNCTIONS

There are no contemporary surveys adjoining this manuscript.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. thru 45.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle, Panama City, scale 31,680, edition of 1943. The only major change is the established U.S. Navy Mine Countermeasure Station on the west shore of St. Andrew Bay.

The following correction sheets were available for comparison:

CS-327 (46-4) scale 1:10,000 (T-5519, 1934).

CS-330 (46-3) scale 1:20,000 (T-5521, 1934).

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with U.S.C. & G. S. nautical chart No. 489, scale 1:25,000, published Feb. 1950 and corrected to 8/15/52.


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

Refer to "Offshore Features" p. 9, Field Report.


ITEMS TO BE CARRIED FORWARD

None.

Approved and forwarded


Jack C. Salmons,
Capt. U.S.C. & G. S.
Officer in Charge

Respectfully submitted


John C. Richter
Carto. Photo. Aid



49. NOTES TO HYDROGRAPHER

Following is a list of Photo-Hydro stations identified by the field inspection party and located by radial plot:

- 101 West gable of pavilion.
- 102 Apex of watch tower roof.
- 103 Corner of steel bulkhead.
- 104 Corner of concrete bulkhead.
- 105 Apex of pavilion roof.
- 106 Off limits of manuscript. (Not located)
- 107 ~~Dolphin at~~ Corner of steel bulkhead, also triangulation station POINT NO. 1, 1953.
- 108 Center of south dolphin at Hathaway bridge.
- 109 Center of north dolphin at Hathaway bridge.

48. GEOGRAPHIC NAMES LIST

*Atlanta and St. Andrews Bay R. R.

(in this case it is properly St. Andrews)

~~Alligator Bayou~~~~Bay County~~~~Bear Point~~

*Posten Bayou

~~Dyers Point~~Posten Bayou (per chart letter 397-1948)Fla. 392 (highway)Hathaway BridgeIntracoastal Waterway~~Magnolia Beach~~ (partly here)~~Panama City~~

(name o.k., but preferably omitted here)

*St. Andrew

**St. Andrew Bay

Section Base ChannelSulphur Point

— BFN decision 1939

U. S. 98 (highway)U. S. Navy Mine Countermeasures Station

(o.k. if name is to be shown)

**West Bay

(begins move to Northwest)

All names from U.S.G.S. Panama City quadrangle and Chart No. 489.

*Spelling in question:

Is it St. Andrew or St. Andrews?

Quadrangle shows "Dosien Bayou".

Names approved
4-27-54
L. Heck

**Placement in question:

See U.S. Coast Pilot (1949) p. 427.

NOTES TO REVIEWER

Refer to p. 8, of the field report regarding swamp limits and tree classification limits. In several areas interpretation of these limits on the photographs was difficult and should be verified by the field edit party if considered necessary.

A discrepancy in the identification numbers of two lights was noted between the field work and the light list, p. 514. The chart section which was part of the field data was returned to the field party and a reply was received that the field work was correct.

Refer to Notice to Mariners No. 25, dated June 20, 1953, paragraph 3211, which indicates that the daybeacons in Section Base Channel have been rebuilt. These positions could not be identified and the field edit party will have to locate them.

The boundary of Panama City was identified on the photograph in the compilation office by following what appeared to be a section line. The U.S.G.S. Panama City quadrangle indicates a system of section lines in this area, but no information was furnished by the field party.

It is believed that the shipyard at Dyer's Point is a naval reservation on the basis that it is used as a supply depot. No boundary was furnished so what appeared to be a boundary fence was followed in delineating the reservation boundary. This should be verified.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 11078

1. Projection and grids ✓ 2. Title ✓ 3. Manuscript numbers ✓ 4. Manuscript size ✓

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy ✓ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) none 7. Photo hydro stations ✓ 8. Bench marks none 9. Plotting of sextant fixes none 10. Photogrammetric plot report ✓ 11. Detail points ✓

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ✓ 13. Low-water line ✓ 14. Rocks, shoals, etc. none 15. Bridges ✓ 16. Aids to navigation ✓ 17. Landmarks ✓ 18. Other alongshore physical features ✓ 19. Other along-shore cultural features ✓

PHYSICAL FEATURES

20. Water features ✓ 21. Natural ground cover ✓ 22. Planetable contours none 23. Stereoscopic instrument contours none 24. Contours in general none 25. Spot elevations none 26. Other physical features ✓

CULTURAL FEATURES

27. Roads ✓ 28. Buildings ✓ 29. Railroads ✓ 30. Other cultural features ✓

BOUNDARIES

31. Boundary lines ✓ 32. Public land lines *

MISCELLANEOUS

33. Geographic names ✓ 34. Junctions none 35. Legibility of the manuscript ✓ 36. Discrepancy overlay ✓ 37. Descriptive Report ✓ 38. Field inspection photographs ✓ 39. Forms ✓

40. R. Blauer
Reviewer

Joseph Steinberg
Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

** None shown, but believed to exist*

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

MONITORING AND/OR LANDMARKS FOR CHARTS

Panama City, Florida

3 February 1953

I recommend that the following objects which have (~~been~~ *been*) been inspected from seaward to determine their value as land-
 charted on (~~charts~~ *charts*) the charts indicated.

The positions given have been checked ~~at each station~~ by ~~the observer~~ ^{the observer} and inspected from seaward to determine their value as landmarks be

Same as L. 451 (1953)

R. Glaser

Paul Taylor

Lt. Comdr., USCGS

FLORIDA

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

*** TABULATE SECONDS AND METERS**

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

Panama City, Florida

3 February, 1953

I recommend that the following objects which have ~~(been inspected)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the chart)~~ the charts indicated.

The positions given have been checked ~~and existing~~ by

Same as L. 451 (1953)

R. Glaser

Paul Taylor

Lt. Comdr., USCGS

Chief of Party.

STATE			FLORIDA			POSITION										METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *		LONGITUDE *		DATUM	D.P. METERS	D.M. METERS	°	'	°	'	D.P. METERS	N.A.												
			°	'	"	"																					
LT. 3651.9	Bear Point Shoal = 5° 00' 68" 18, 1953		30	09	54.05 1664.3	85	43	15.01 401.6	N.A. 1927								1953		X	X	489, 1263						
LT. 3652	Dyer's Point Shoal = 5° 02' 68" 19, 1953		30	10	34.19 1052.8	85	44	08.83 236.2	"								"		X	X	1263, 489						
* LT 1	Section Base Channel = 5° 03' 68" 80		30	10	26.49			47.00	"								"				489						
* LT 1	St. Andrew Bay Cable Area (Cable area, easterly of 2 piles) #5344		30	10	815.7 39.61	85	44	1257.5	"								"										
* PILE	Cable area, westerly of 2 piles		30	10	1219.7 38.93	85	44	52.94 1416.4	"								"		X		"						
* BN 3	Section Base Channel (Large craft range, front beacon) Yellow diamond on pile		30	10	1198.7 19.84	85	44	53.76 1438.3	"								"		X		"						
* BN	St. Andrew Bay Cable Area (Small craft range, front beacon) (Yellow diamond on pile, lighted) #5344		30	10	610.9 57.53	85	45	00.77 20.6	"								"		X		"						
* LT 3	Section Base Channel		30	10	1771.5 49.22	85	45	03.50 93.6	"								"		X		"						
* LT 6	Section Base Channel		30	10	1515.6 20.78	85	45	03.26 87.2	"								"		X		"						
* LT 5	Section Base Channel (Large craft range, rear beacon) Yellow diamond on pile, on shore		30	10	639.9 17.84	85	45	04.92 131.6	"								"		X		"						
* BN	(Small craft range, rear beacon) Yellow diamond on pile, on shore		30	11	549.3 01.39	85	45	04.92 131.6	"								"		X		"						
*BN			30	10	42.8 55.80	85	45	07.30 195.3	"								"		X		"						
			30	10	1718.2 55.80	85	45	09.80 262.2	"								"		X		"						
	(*) Maintained by U. S. Navy.																										

This form shall be prepared in accordance with U.S. Navy Regulations, Chapter 1, Section 10, and U.S. Navy Regulations, Chapter 1, Section 11.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating* aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

NONFLOATING AIDS ORILLAGE MATTERS FOR CHARTS

TO BE DELETED

Panama City, Florida
3 February 1953

The positions given have been checked after listing by

Paul Taylor

Lt. Comdr., USCGS

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by

REVIEW REPORT

Planimetric Map T-11078

27 April 1954

62. Comparison with Registered Surveys:

T-1146	1:20,000	1870
T-5519	1:10,000	1935
T-5521	1:20,000	1934

Because of the numerous changes in culture and shoreline structures, T-11078 supersedes the older surveys for charting purposes.

63. Comparison with Maps of Other Agencies:

USE Quad, Panama City	1:25,000	1947
" " Panama City Beach	"	"

These quadrangles are copies of the USGS 1:31,680, 1943 surveys upon which have been added two grids and woodland and urban colors.

The quadrangles are superseded in the area covered by T-11078 (except for contours) for charting purposes.

64. Comparison with Contemporary Hydrographic Surveys:

There are no contemporary hydrographic surveys for the area of T-11078.

65. Comparison with Nautical Charts:

489 1:25,000 ed. Feb. 1950, July 1953 St. Andrew Bay

Two obstructions charted south of Dyers Point were marked for deletion by field inspection; and the three aids in Section Base turning basin are not on T-11078 because current construction activities had temporarily destroyed them.

Clearances for Hathaway Swing Bridge have been amended (photograph 52-C-1682).

Except for floating aids and sounding depths T-11078 supersedes the present chart within its area.

66. Accuracy:

This survey meets the requirements of the National Standards of Map Accuracy.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED BY:

L. C. Lande
Chief, Review Branch
Div. of Photogrammetry

W. W. Swanson
Chief, Div. of Photogrammetry
18 Dec 1957

Max Whitliff
Chief, Nautical Chart Branch
Division of Charts

[Signature]
Chief, Division of Coastal Surveys

Partially applied to chart 869 Aug 1954 PTH