9970

Diag. Cht. No. 1244.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-82 Office No. T-9970

LOCALITY

State Florida

General locality Matanzas River

Locality Espanola

19 52-57

CHIEF OF PARTY

J.E.Waugh, Chief of Field Party
W.F.Deane, Baltimore Photo. Office
~~E.H.Kirsch, Baltimore Photo. Office~~

LIBRARY & ARCHIVES

DATE December 17, 1959

8-1870-1 (1)

9970

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T- 9970

Project No. (II): ~~2417O (6082)~~ PH-82 Quadrangle Name (IV):

Field Office (II): Brunswick, Georgia Chief of Party: J. E. Waugh

Photogrammetric Office (III): Baltimore, Md. Officer-in-Charge: E. H. Kirsch
W. F. Deane

Instructions dated (II) (III): 29 December 1951
15 February 1952 (Supplement 1)
28 February 1952 (Supplement 1)
14 March 1952 (Supplement II)
28 April 1952 (Supplement III)

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 2-18-56 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 5/15/59

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): N.A. 1927 Vertical Datum (III): MSL

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): HENDERSON, 1934

Lat.: 29° 33' 06.977" (214.8 m) Long.: 81° 16' 51.532" (1387.3 m) Adjusted ~~Unadjusted~~

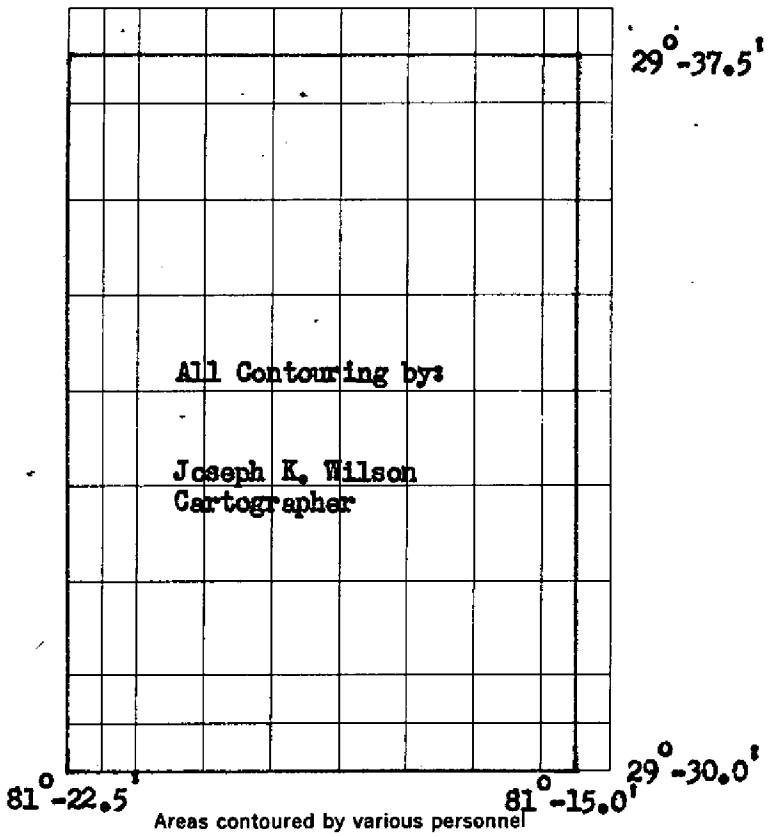
Plane Coordinates (IV): State: Florida Zone: East

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.

COMM-DC-57842



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

FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): John S. Winter, Carto. Surv. Aid — Date: May 1952

Planetable contouring by (II): Joseph K. Wilson, Cartographer — Date: March to June 1954

Completion Surveys by (II): J.K.Wilson — Date: April, 1957

Mean High Water Location (III) (State date and method of location): No shoreline

Projection and Grids ruled by (IV): J. Allen — Date: 3/30/53

Projection and Grids checked by (IV): H. D. Wolfe — Date: 3/30/53

Control plotted by (III): J. C. Richter — Date: 7/13/53

Control checked by (III): J. Steinberg — Date: 7/23/53

Radial Plot or Stereoscopic Control extension by (III): L. A. Senasack — Date: 1/15/54

Stereoscopic Instrument compilation (III): Planimetry — Date:

Contours — Date:

Manuscript delineated by (III): Ruth M. Whitson — Date: 1/3/57

Photogrammetric Office Review by (III): H. R. Rudolph — Date: 2/8/57

Elevations on Manuscript checked by (II) (III): H. R. Rudolph — Date: 2/7/57

FORM 181c
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): USC&GS Nine-lens and "W"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
35005 & 35006	2/14/52	1037	1:20,000	All land area
35017 thru 35019	2/18/52	0930	"	" " "
56W 3670 & W 3671	10/19/56	-	"	" " "
W 3507 thru W 3513	10/18/56	-	"	" " "
W 3469 thru W 3476	10/18/56	-	"	" " "
W 3408 thru W 3416	10/18/56	-	"	" " "
W 3426 thru W 3430	10/18/56	-	"	" " "

Tide (III)

Ratio of Ranges	Mean Range	Spring Range

Reference Station: Not applicable
Subordinate Station:
Subordinate Station:

Washington Office Review by (IV): S.G. Blankenbaker Date: Nov. 1958

Final Drafting by (IV): Anna P. Berry Date: March 13, 1959

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 64

Shoreline (More than 200 meters to opposite shore) (III): None

Shoreline (Less than 200 meters to opposite shore) (III): None

Control Leveling - Miles (II): 43

* Number of Triangulation Stations searched for (II): 24 Recovered: 15 Identified: 9

Number of BMs searched for (II): 28 Recovered: 17 Identified: 12

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): None

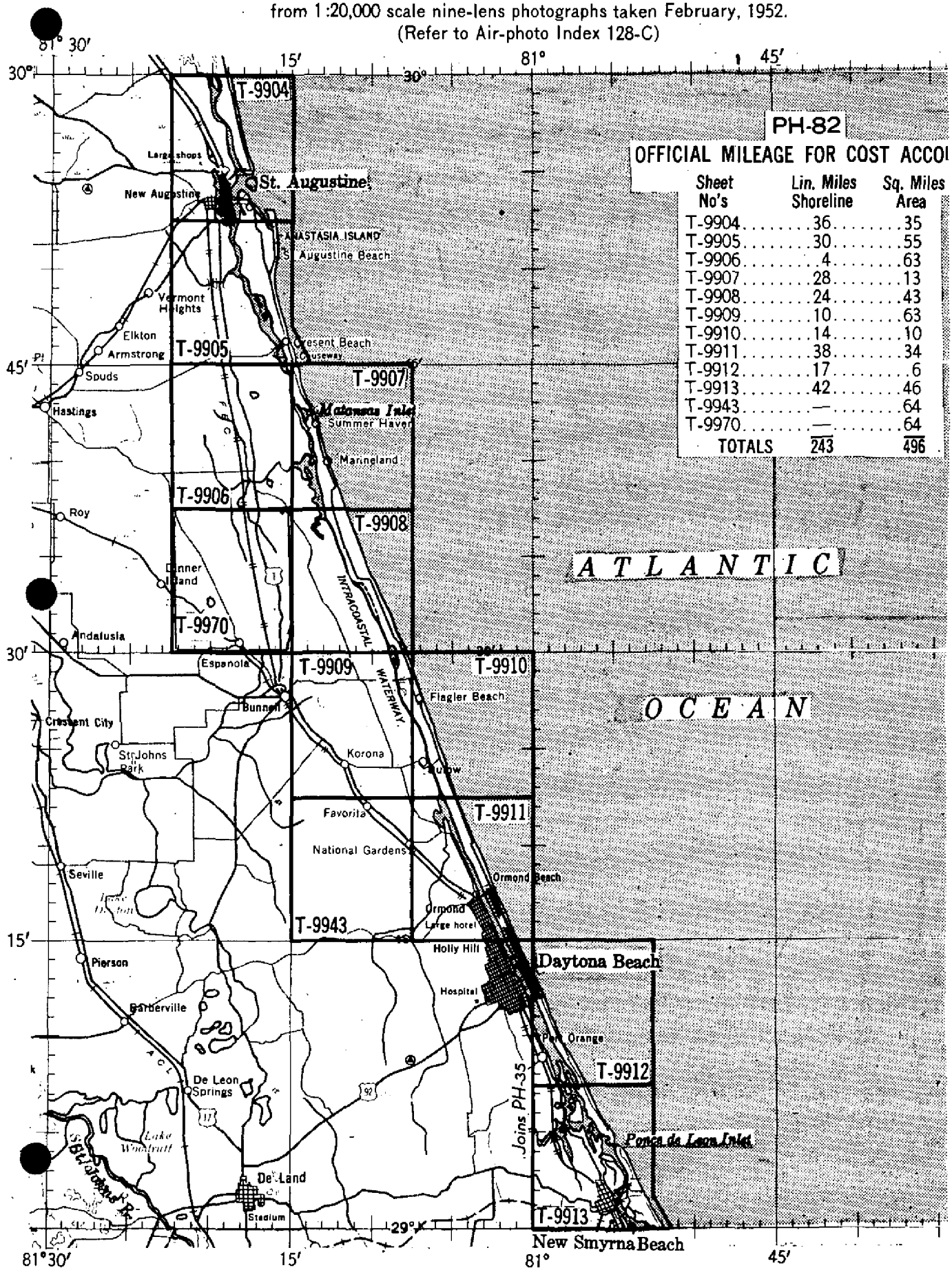
Remarks: Two of the identified (and one unidentified) control stations have been destroyed since 1952.

COMM-DC-57842

TOPOGRAPHIC MAPPING PROJECT PH-82

FLORIDA - EAST COAST, St. Augustine to New Smyrna Beach

Compiled by the U. S. Coast and Geodetic Survey at scale 1:20,000
from 1:20,000 scale nine-lens photographs taken February, 1952.
(Refer to Air-photo Index 128-C)



PH-82

OFFICIAL MILEAGE FOR COST ACCOU

Sheet No's	Lin. Miles Shoreline	Sq. Miles Area
T-9904	36	35
T-9905	30	55
T-9906	4	63
T-9907	28	13
T-9908	24	43
T-9909	10	63
T-9910	14	10
T-9911	38	34
T-9912	17	6
T-9913	42	46
T-9943	—	64
T-9970	—	64
TOTALS	243	496

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-9970

Topographic map T-9970 is one of twelve similar maps in Project PH-82. This project covers the Florida coast from latitude 29° (New Smyra Beach) to latitude 30° (St. Augustine). T-9970 is an interior map west of Beverly Beach covering the town of Espanola and the area to its north.

PH-82 is a graphic compilation project. Field work in advance of compilation included complete field inspection and complete planetable contouring. A vertical accuracy test was run in this quadrangle on photograph no. 35017A during field inspection.

The map was compiled at 1:20,000 scale. 1:20,000 scale nine-lens photographs were used in field and office work. "W" camera 1:20,000 scale photographs taken in October 1956 were used in field edit (April 1957) and the application of changes. The map was corrected to the date of the new photography.

The map will be published by the Geological Survey at 1:24,000 scale. Items registered under T-9970 will include a Descriptive Report, a positive impression on cronar of the scribed copy of the manuscript and a lithographic print of the Geological Survey quadrangle.

FIELD INSPECTION REPORT
Quadrangle T-9970
Project Fh-82(51)

The phases listed below are in addition to those shown on Pages 2 and 3:

Name and Title	Phase	Date
John S. Winter	Horizontal Control	April 1952
Carto. Surv. Aid	Vertical Control	April 1952
	Section Corners	May 1952
	Fly Levels	December 1953

2. AREAL FIELD INSPECTION

This is a sparsely settled area with two small settlements in the southern portion, Espanola and Neoga. The largest is Espanola.

The greater part of the quadrangle is owned by two paper companies, Rayonier Incorporated and The St. Regis Paper Company. For the most part, these properties are fenced, and keys to the locked gates can be obtained locally. Both companies intend to build many more roads than exist at present. This phase should be brought to the attention of the Field Editor.

The entire section is generally flat and few improvements have been made in the drainage. Throughout most of the year, this quadrangle is covered with considerable water, except during the early summer months when this part of Florida is normally very dry. The Field Editor's attention is invited to the fact that this quadrangle should be worked in the extremely dry season.

U. S. Highway No. 1 and Old Brick Road leading from Bunnell to Hastings are the only paved roads within the quadrangle. The paper companies are gradually establishing a network of graded sand roads throughout most of the area.

The portion of the quadrangle west of the Florida East Coast Railway leading to Palatka is used as a State Game Refuge. This land is privately owned and can be used by the State as long as the landowners give their permission. No boundaries were obtained.

The chief industries are cattle-raising, pulpwood-cutting and turpentine production.

The field inspection was originally indicated on the control set of photographs (1952) in accordance with instructions for planimetric maps. While contouring in 1954, numerous changes were noted and have been indicated on the contour photographs.

The field inspection is believed to be adequate. The photographs were easily interpreted. A considerable scale factor was noted and the necessary field adjustments were made.

3. HORIZONTAL CONTROL

(a) No supplemental control was established.

(c) Stations which are within the limits of the quadrangle, but were not established by the U.S.C. & G.S. are:

Station	Agency	Order
BS-24, 1935	Florida Geodetic Survey	Third
BS-26 "	"	"
BS-28 "	"	"
Destroyed BS-29 "	"	"
BS-29a "	"	"

(e) A search was made for all known control points. Stations reported as "destroyed", "lost" or "not recovered" are:

BS-20 (Fla. Geod. S.), 1935		
BS-21	"	"
BS-22	"	"
BS-23	"	"
BS-25	"	"
BS-27	"	"
BS-33	"	"

(f) All stations were identified on nine-lens photographs separate from those used on contouring. Florida Geodetic Stations BS-20 and BS-23 have been destroyed since they were used for identification. Forms 526 and 685a are submitted.

4. VERTICAL CONTROL

(a) A search was made for all known vertical control. Bench marks within the limits of the quadrangle are:

Station	Agency	Order
BS-24	Florida Geodetic Survey	Third
BS-26	"	"
BS-28	"	"
BS-29	"	"
CB-34	"	"
HENDERSON	"	"

(b) Forty-three miles of fly-levels were run with a Wild semi-precise level, beginning and closing on bench marks of third-order or higher accuracy, or on previously established level points. The greatest error of closure was 0.25 foot.

(c) The first and last fly-level points are 70-1 and 70-62. The first three points were established at the time levels were run in Quadrangle T-9906 and are found in the level book submitted for that quadrangle.

5. CONTOURS AND DRAINAGE

The contouring was accomplished by standard planetable methods on 1:20,000 scale nine-lens photographs, at an interval of five feet. The outer edges of the photographs were cut into 2½ inch strips, which enabled the topographer to use the pocket stereoscope in the field.

The major portion of the quadrangle is very flat and has little natural drainage. Rayonier Incorporated has recently excavated a few new canals and ditches, which have greatly improved the drainage.

Elevations within the quadrangle range from twenty-one to fifty-nine feet. The highest areas are found in the vicinity of Neoga.

The drainage and swamp limits were delineated in accordance with instructions stated in the Director's letter, dated 11 August 1952.

A vertical accuracy test was run in this quadrangle and indicated in red ink on Photograph No. 35017-A. One line, approximately two miles in length was run, consisting of twenty-six points tested. None of the points were in error more than one foot. Twenty per cent were in error one foot or less; and the remainder were correct as shown.

6. WOODLAND COVER

The cover was classified (1952) in accordance with instructions for planimetric maps. During the course of the contouring in 1954 the swamp limits were revised on the contour prints and numerous areas outlined in purple.

The entire area is composed of slash pine and palmetto on the high ground portions, cypress predominant in the small swamps; the large swamps have deciduous trees intermingled with cypress and some pine along the outer edges.

The cypress have photographed light grey.

7. SHORELINE AND ALONGSHORE FEATURES

Inapplicable.

8. OFFSHORE FEATURES

Inapplicable.

9. LANDMARKS AND AIDS

One interior landmark (FLAGLER FIRE LOOKOUT TOWER) is recommended. There are no aeronautical aids within the quadrangle.

10. BOUNDARIES, MONUMENTS AND LINES

Ten section corners were recovered and identified on the photographs. Form M-2226-12 ~~is~~ submitted for six of these. The remainder were located by planetable.

A Special Report On Boundaries was submitted in April 1953.

11. OTHER CONTROL

FLAGLER FIRE LOOKOUT TOWER is submitted on Form 524.

12. OTHER INTERIOR FEATURES

All roads have been classified. Buildings have been circled in red.

There are no bridges over navigable waters, or airports within the quadrangle.

One pipe line, leading from a lake near Necga to the railroad water tank, was shown on photograph 35019.

13. GEOGRAPHIC NAMES

This will be the subject of a special report, which will be submitted at a later date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

There are no other special reports concerning this quadrangle except those listed:

Name	Forwarded To	Forwarded Date
Report On Boundaries for Project Ph-82, dated March 1953	Director	4/17/53
Records, Descriptions of Stations, miscellaneous	Officer in Charge Baltimore	5/11/53

7 June 1954
Submitted by:

Joseph K. Wilson
Joseph K. Wilson
Cartographer

16 June 1954
Approved and Forwarded:

J. E. Waugh
J. E. Waugh
CDR, USC&GS
Chief of Party

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T- 9970 PROJECT NO. 24170 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE ° ' "	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
HENDERSON, 1934	G-3038 p. 121	N.A. 1927	29 33 06.977			214.8 (1632.6)	
			81 16 51.532			1387.3 (228.0)	
Sub. Pt. HENDERSON, 1934			29 33			146.3 (1701.1)	
			81 16			1528.9 (86.4)	
BS 20 FGS, 1935 destroyed	Flagler Co. p. 4		1,919,153.28	9,153.28 (846.72)		2789.9 (258.1)	
			410,753.99	753.99 (9246.01)		229.8 (2818.2)	
Sub. Pt. BS-20, 1935			1,910			2673.3 (374.7)	
			410			200.1 (2847.9)	
BS 23 F.G.S., 1935 destroyed			1,906,040.34	6,040.34 (3959.66)		1841.1 (1206.9)	
			411,889.18	1,889.18 (8110.82)		575.8 (2472.2)	
Sub. Pt. BS 23, 1935			1,900			1799.5 (1248.5)	
			410			606.4 (2441.6)	
BS 24, Fla. Geod. S 1935	"		1,900,458.27	458.27 (9541.73)		139.7 (2908.3)	
			414,327.30	4,327.30 (5672.30)		1319.0 (1729.0)	
BS 26, Fla. Geod. Geod. S. 1935	"		1,892,989.80	2,989.80 (7010.20)		911.3 (2136.7)	
			415,752.48	5,752.48 (4247.52)		1753.4 (1294.6)	
Sub. Pt. BS 26, 1935			1,890			864.1 (2183.9)	
			410			1728.3 (1319.7)	
BS 28 Fla. Geod. S, 1935	"		1,888.563.41	8,563.41 (1436.59)		2610.1 (437.9)	
			416,139.12	6,138.12 (3860.88)		1871.2 (1176.8)	
BS 29 Fla. Geod. S, 1935 Destroyed	"		1,885,645.86	5,645.86 (4354.14)		1720.9 (1327.1)	
			416,404.25	6,404.25 (3495.75)		1952.0 (1096.0)	
DA 32 Fla. Geod. S, 1934 OUTSIDE PROJ. LIMITS	Flagler Co. p. 7	N.A. 1927	1,867,636.83	7,636.83 (2363.17)		2327.7 (720.3)	
			413,813.56	3,813.56 (6186.44)		1162.4 (1885.6)	

1 FT. = .3048006 METER

COMPUTED BY: J. C. Richter DATE 6/24/53 CHECKED BY: A. Queen DATE 7/7/53

COMM-DC-57843

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT

COAST AND GEODETIC SURVEY
CONTROL RECORD

MAP T-9970 PROJECT NO. 24170 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE / LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
BS 29A Fla. Geod. S., 1935	Flagler Co. p. 4	N.A. 1927	1,882,012.84	2,012.84	(7,987.16)		613.5	(2434.5)		
			415,865.60	5,865.60	(4,134.40)		1787.8	(1260.2)		
Sub. Pt. BS 29A, 1935			1,880				613.3	(2434.7)		
			410				1801.6	(1246.4)		
DA 25 Fla. Geod. S., 1934	Flagler Co. p. 6		1,871,492.74	1,492.74	(8,507.26)		455.0	(2593.0)		
			377,267.32	7,267.32	(2,732.68)		2215.1	(832.9)		
Sub. Pt. DA 25, 1934		OUTSIDE PROJ. LIMITS	1,870				436.1	(611.9)		
			370				2289.4	(750.6)		
DA 26, Fla. Geod. S., 1934	"	"	1,871,492.55	1,492.55	(8,507.45)		454.9	(2593.1)		
			380,923.90	923.90	(9,076.10)		281.6	(2766.4)		
DA 27 Fla. Geod. S., 1934	Flagler Co. p. 7	"	1,871,694.40	1,694.40	(8,305.60)		516.5	(2531.5)		
			389,154.35	9,154.35	(845.65)		2790.2	(257.8)		
Sub. Pt. DA 27, 1934			1,870				460.9	(2587.1)		
			380				2848.6	(199.4)		
DA 30 Fla. Geod. S., 1934	"	OUTSIDE PROJ. LIMITS	1,866,293.18	6,293.18	(3,706.82)		1918.2	(1129.8)		
			404,503.40	4,503.40	(5,496.60)		1372.6	(1675.4)		
Sub. Pt. DA 30, 1934			1,860				1921.6	(1126.4)	1	
			400				1171.4	(1876.6)	1	
DA 30 A, Fla., Geod. S., 1934	"	OUTSIDE PROJ LIMITS	1,865,970.97	5,970.97	(4,029.03)		1820.0	(1228.0)		
			407,611.41	7,611.41	(2,388.59)		2320.0	(728.0)		
DA 31, Fla. Geod. S., 1934	"	"	1,866,090.69	6,090.69	(3,909.31)		1856.4	(1191.6)		
			412,182.91	2,182.91	(7,817.09)		665.4	(2382.6)		
Sub. Pt. DA 31, 1934	"		1,860				1913.3	(1134.7)		
			410				677.5	(2370.5)		

1 FT. = .3048006 METER

COMPUTED BY: J. C. Richter DATE 6/25/53 CHECKED BY: A. Queen DATE 7/7/53

COMM-DC-57843

COMPILATION REPORT
T-9970

The Photogrammetric Plot Report for this manuscript is part of the Descriptive Report for survey T-9943.

31. DELINEATION

Graphic methods were used to delineate this manuscript.

All new roads inspected by the field Party and indicated on the field photographs have been revised for correct placement, in accordance with the October 1956 photography. Contours were revised accordingly.

New features appearing on the 1956 photographs were delineated on the completed survey, after stereoscopic examination in this office.

32. CONTROL

The identification, density and placement of horizontal control was considered adequate.

The following control station, however, was not held in the Radial Plot: See Heading No.67 (Review Report)

Sub. Pt. BS 29-A FLA GEOD S, 1935

The original description places the position of the station 7' N of the center line of the road. The recovery note places the station in the center line of the road. The radially plotted position of the Sub. Pt. falls approximately 0.4 mm southeast of its computed position. When the radially plotted position of the Sub. Pt. was "held" the centerline of the road fell approximately 0.2 mm south of the geographic position of the station which agrees with the original description of the station.

33. SUPPLEMENTAL DATA

The final name standard, Dinner Island, Florida quadrangle, dated 8/9/54, was used for geographic names.

Copies of the following plats were used for the delineation of the public land lines:

T 10 S R 29 E (page 16)
T 10 S R 30 E (pages 38 & 39)
T 11 S R 29 E (page 17)
T 11 S R 30 E (page 40)

The General Highway Map, Flagler County, Exhibit "A", was used for the county boundary and as a guide for the public land lines.

34. CONTOURS AND DRAINAGE

No comment.

35. SHORELINE AND ALONGSHORE DETAILS

None

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

None. (See paragraph 9, Field Report)

38. CONTROL FOR FUTURE SURVEYS

Form 524 is being submitted for one (1) Recoverable Topographic Station:

FLAGLER FIRE LOOKOUT TOWER, 1953

39. JUNCTIONS

Junctions were made and are in agreement with Surveys T-9906 to the north and T-9908 to the east. There are no contemporary surveys to the south and to the west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. PUBLIC LAND LINES

There are no land grants within the area of this manuscript.

All section lines were delineated on this manuscript by the following method: Copies of the latest plats of the townships were made on vinylite at a scale of 1:20,000. The manuscript was then oriented over the plats holding to identified section corners and delineated features such as roads, ditches or edges of clearings. Much adjustment was necessary because many times the recorded distance between section corners did not agree with the distances between section corners which had been identified and graphically located on the manuscript.

42 - 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the Army Map Service Dinner Island, Florida Quadrangle, scale 1:50,000, edition of 1947.

47. COMPARISON WITH NAUTICAL CHARTS

Inapplicable

Respectfully submitted
7 January 1957

Ruth M. Whitson
Carto. Photo. Aid

Approved and Forwarded

William F. Deane
William F. Deane,
CDR, C&GS
Baltimore District Officer

T-9970. Geographic Names.

Black Lake

Espanola
Espanola Cemetery

Flagler County
Flagler Fire Lookout Tower
Florida
Florida East Coast
Florida Game Refuge

Honey Hill
Hulett Branch
Hulett Swamp

Matanzas River (for title)

Neoga
Neoga Lake

Old Brick Road (State 13, below)

Popler Pond
Pringle Branch
Pringle Swamp

St. Joe Canal
St. Joe Road (State ~~20l~~, below)
St. Johns County
St. Paul Church
Speckled Perch Lake

Tank Lake

U.S. 1
State Nos 13, ~~20l~~, 205

Names approved 3-1-57.

T-9970

FIELD EDIT REPORT
Project 24170(6082)
T-9970

The field edit of this quadrangle was accomplished during the months of March and April 1957.

51. METHODS

The inspection of the quadrangle was accomplished by traversing all roads by truck and walking to other areas which required special attention. Instructions were followed in accordance with letter to Baltimore District Office, dated 9 November 1956, 731-mkl. Standard surveying methods were used for the corrections and additions.

All additions, corrections and deletions have either been indicated on the field edit sheet, referenced to the field photographs, or answered directly on the discrepancy print. A legend, describing the colored inks used, is shown on the field edit sheet. Purple ink was used for additional information on the photographs. Attention is invited to the purple ink; some of the original field inspection was done in purple ink but since all of the field edit corrections are shown on the 1956 photographs and the corrections for the quadrangle are not many, it was felt that the compiler would have no difficulty in differentiating between the original field inspection and the field edit survey.

One 1:20,000 scale print is submitted as a field edit sheet.

Sixteen photographs, on which field edit information has been shown, are listed as follows:

56-W-3408	56-W-3470	56-W-3508
3409	3473	3510
3410	3474	3512
3413	3475	3513
3430	3506	3670
		3672

52. ADEQUACY OF COMPILATION

The compilation was adequate with the exceptions and additions indicated by the field edit data. It is believed that the compilation will be complete after these are applied.

This quadrangle, as a whole, is in its natural state. The area has changed very little since the original field inspection. Most of the land area is owned by the paper companies, therefore, there are few buildings. The paper companies are gradually establishing a system of secondary sand roads through their properties.

The compiler has done a good job on the delineation of swamps, ponds etc. There were a few questionable areas which have been resolved on the 1956 photographs.

The settlement of Neoga has been temporarily abandoned. No one lives there at this time. The houses are intact, however, and should be mapped.

The road along the St. Joe Canal has previously been shown as route 201. This feature was thoroughly checked locally and this road is not regarded as a state road, and should not be assigned a route number.

Three Florida Geodetic control stations have been destroyed since 1952. BS 20 and 23 were reported destroyed in 1954. BS 29 is reported destroyed during the field edit.

Five section corners were recovered and identified during the field edit. Form M-2226-12 is submitted for each.

U.S. Highway 1 is a four-lane highway throughout the length of this quadrangle. The additional two lanes were completed in 1956-1957 and are clearly visible on the 1956 photographs

53. MAP ACCURACY

The horizontal positions of the map detail appear to be good. No standard vertical accuracy test was requested and none was made.

The contours were visually checked and were found to adequately depict the terrain.

54. RECOMMENDATIONS

None

55. EXAMINATION OF PROOF COPY

Mr. D.D. Moody, registered land surveyor of the state of Florida, and Mr. Harry B. McKenney, Manager of Rayonier Incorporated, have agreed to examine a proof copy of this quadrangle for possible errors. Mr. Moody's address is: 401 North Anderson Street, Bunnell, Florida. Mr. McKenney's address is : Rayonier Incorporated, U.S. Highway 1, Bunnell, Florida

All geographic names were verified as shown on the advance manuscript with the exception of State Route 201 which is discussed under item 52 of this report.

1 April 1957
Submitted by:

Joseph K. Wilson
Cartographer

Ira R. Rubottom
CDR, USC&GS
Chief of Party

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-9970

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

4a. Classification label H.R.R.

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy H.R.R. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) H.R.R. 7. Photo hydro stations ——— 8. Bench marks H.R.R.
9. Plotting of sextant fixes H.R.R. 10. Photogrammetric plot report H.R.R. 11. Detail points H.R.R.

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ——— 13. Low-water line ——— 14. Rocks, shoals, etc. ——— 15. Bridges ——— 16. Aids to navigation ——— 17. Landmarks ——— 18. Other alongshore physical features ——— 19. Other alongshore cultural features ———

PHYSICAL FEATURES

20. Water features H.R.R. 21. Natural ground cover H.R.R. 22. Planetable contours H.R.R. 23. Stereoscopic instrument contours ——— 24. Contours in general H.R.R. 25. Spot elevations H.R.R. 26. Other physical features H.R.R.

CULTURAL FEATURES

27. Roads H.R.R. 28. Buildings H.R.R. 29. Railroads H.R.R. 30. Other cultural features H.R.R.

BOUNDARIES

31. Boundary lines H.R.R. 32. Public land lines H.R.R.

MISCELLANEOUS

33. Geographic names H.R.R. 34. Junctions H.R.R. 35. Legibility of the manuscript H.R.R. 36. Discrepancy overlay H.R.R. 37. Descriptive Report H.R.R. 38. Field inspection photographs H.R.R. 39. Forms H.R.R.

40. Harry R. Rudolph — Reviewer; Frank J. Tarcza — Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

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.

V. HONICK — Compiler; F. TARCZA — Supervisor

43. Remarks:

M-2623-12

REVIEW REPORT

TOPOGRAPHIC

November, 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Inapplicable

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Dinner Island, Florida (AMS) 1:50,000 1947
The map was copied from smaller scale older sources and is outdated.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Inapplicable

65. COMPARISON WITH NAUTICAL CHARTS

No nautical chart coverage

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the National Standards of Map Accuracy and Bureau Requirements.

67. CONTROL

Refer to heading "32 Control" of the Compilation Report. Sub. Pt. BS 29A is listed as "held" in the radial plot report. The plot report classification (held) was substantiated by the orientation of photos used in the plot to the manuscript. An error was apparently introduced in drilling. The circle representing the plot position of the sub. pt. was removed during final review and features slightly re-adjusted. The recovery note and map detail are now in agreement.

Reviewed by:

S. G. Blankenbaker
S. G. Blankenbaker

Approved by:

L C Landy
Chief, Review & Drafting Section
Photogrammetry Division

Max B Keller
Chief, Nautical Chart Branch
Chart Division

K W Jameson
Chief, Photogrammetry Division
1 Oct 59

Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9970

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review
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			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.