9908

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(51) Office No. T-9908

LOCALITY

State Florida

General locality Matanzas River

Locality St. Joe Canal

19~~4~~52-57

CHIEF OF PARTY

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

LIBRARY & ARCHIVES

DATE December 17, 1959

8-1870-1 (1)

9908

FORM 181
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 9908

Project No. (II): Ph-82(51) 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

Instructions dated (II) (III): 29 December 1951
15 February 1952 (Supplement I)
28 February 1952 (Supplement I)
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): 2-27-57 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 4/6/59

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): ST. JOE, 1934

Lat.: 29° 33' 42.047" (1294.6m) Long.: 81° 11' 58.484" (1574.3m) Adjusted

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

Y= X=

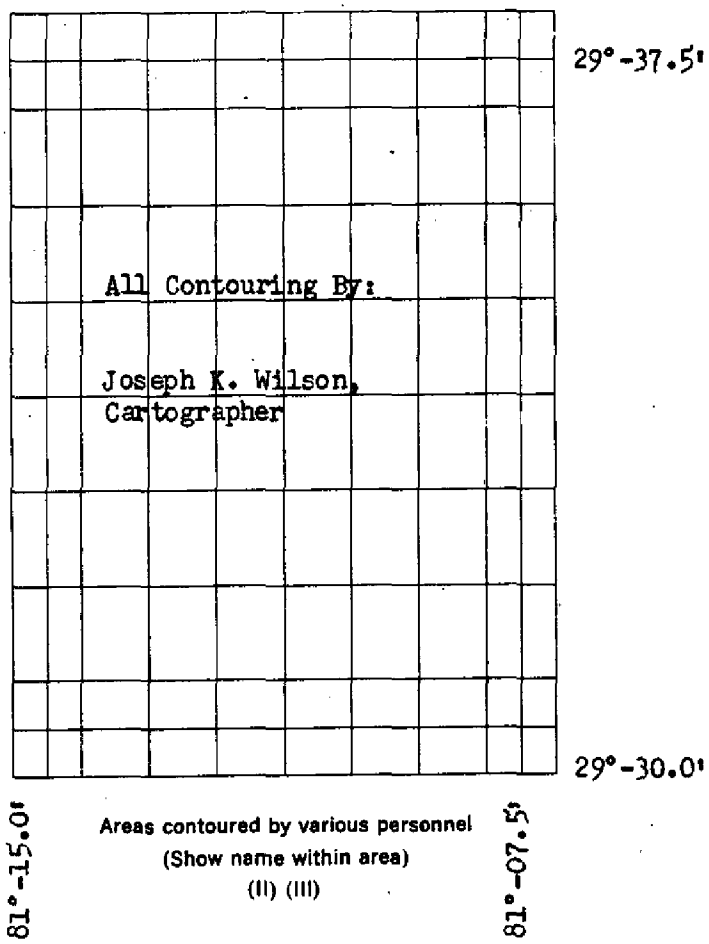
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

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

FORM 181a
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD



FORM 181b
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T-9908

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

Shoreline Inspection By: H.R. Spies — Dec. 1952

Planetable contouring by (II): Joseph K. Wilson, Cartographer — Date: Dec. 1953 to Mar. 1954

Completion Surveys by (II): J.K. Wilson — Date: 26 APRIL 1957

Mean High Water Location (III) (State date and method of location): 1952, date of photography and field inspection, supplemented by office inspection of 1956 photography.

Projection and Grids ruled by (IV): J. Allen — Date: 3/27/53

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

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

Control checked by (III): J. Steinberg — Date: 7/10/53

Radial Plot ~~[illegible]~~ ~~[illegible]~~ by (III): L. A. Senasack — Date: 1/15/54

Stereoscopic Instrument compilation (III): Planimetry — Date:

Contours — Date:

Manuscript delineated by (III): J. Councill — Date: 10/17/56

Photogrammetric Office Review by (III): H. R. Rudolph — Date: 1/15/57

Elevations on Manuscript checked by (II) (III): H. R. Rudolph — Date: 1/15/57

FORM 181c
(4-23-54)

T-9908

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
34979 thru 81	2/14/52	1002		
		1003		
and		1004	1:20,000	4.2' above MLW
35004	"	1035	"	inside
W-3664 thru W-3669	10/19/56	0915	"	interior
W-3725 thru W-3732	"	0954	"	interior
W-3816 thru W-3823	"	1020	"	3.1 above MLW

Tide (III)
From Predicted Tables

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	Mayport, Florida		4.5	5.3
Subordinate Station:	St. Augustine Inlet	1.0	4.5	5.3
Subordinate Station:				

Washington Office Review by (IV): S.G. Blankenbaker Date: OCT. 23, 1958

Final Drafting by (IV): Mary E. Taylor Date: MAY 8, 1959

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

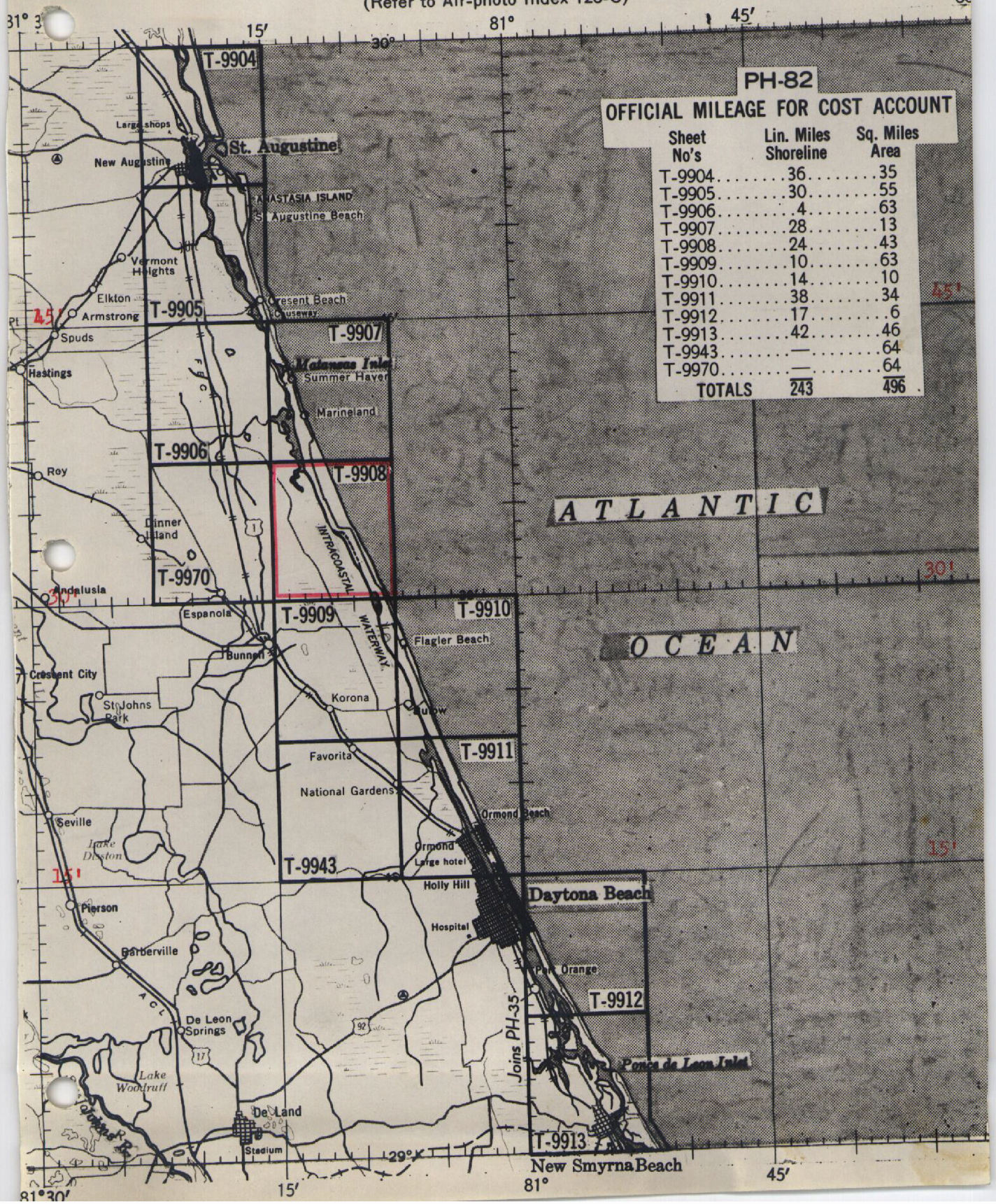
Land Area (Sq. Statute Miles) (III): 35
Shoreline (More than 200 meters to opposite shore) (III): 9
Shoreline (Less than 200 meters to opposite shore) (III): 17
Control Leveling - Miles (II): 65.7
Number of Triangulation Stations searched for (II): 15 Recovered: 5 Identified: 5
Number of BMs searched for (II): 1 Recovered: 1 Identified: 1
Number of Recoverable Photo Stations established (III): 3 (AZ. MKS)
Number of Temporary Photo Hydro Stations established (III):

Remarks:

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 ACCOUNT

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-9908

Topographic map T-9908 is one of twelve similar maps in Project PH-82. The project covers the St. Augustine-Daytona Beach area of the Florida coast extending from latitude 29° to latitude 30°. Map T-9908 is in the middle of the project in the Beverly Beach area.

This 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. (Page 9 of Field Inspection Report)

The map was compiled at 1:20,000 scale. Nine-lens photographs taken in 1952 were used in field and office work. "W" camera photographs taken in October 1956 were used in field edit work (April 1957) and in the application of field edit data. 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-9908 will be 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-9908
Project Fh-82(51)

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

Name and Title	Phase	Date
Henry R. Spies, Carto. Surv. Aid	Shoreline Inspection	May 1952
John S. Winter, Carto. Surv. Aid	Vertical Control	April 1952
	Horizontal Control	April 1952
	Section Corners	May 1952

2. AREAL FIELD INSPECTION

The quadrangle is sparsely inhabited with no towns or villages within its limits. Florida State Highway A1A and the Intracoastal Waterway are the principal means of traffic. The Old Kings Road and numerous sand roads serve the remaining sections. That portion, which lies between the Intracoastal Waterway and the Old Kings Road, is used as a State Game Refuge. This, like the one at Dinner Island, is owned by private individuals and can only be used by the State as long as it has the owner's permission. The portion west of the Old Kings Road is owned by Rayonier Incorporated. This property is under the jurisdiction of their Fernandina, Florida branch office. Their property is fenced and can be entered by obtaining keys at the Fire Lookout Tower.

The Lehigh Cement Company has recently constructed a plant near the southern limits of this quadrangle. The Field Editor's attention is invited to this area as numerous changes will occur by the time of the Field Edit.

Other construction noted was near the intersection of the St. Joe Canal and the Intracoastal Waterway. Truck farmers were constructing new ditches and clearing a part of the swamp and marsh land. This area should also be thoroughly checked during the Field Edit.

The chief industries of the area are cattle-raising, pulpwood-cutting and truck-farming.

The field inspection was accomplished in accordance with instructions for planimetric maps on the control set of photographs (1952). During the course of contouring in 1954, numerous changes were noted and made on the contour photographs.

The photographs were easily interpreted. Some scale factor was encountered and the necessary adjustments were made.

3. HORIZONTAL CONTROL

(a) No supplemental control was established.

(c) There were no stations recovered within the limits of this quadrangle, which were established by other agencies.

(d) Inapplicable.

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

BIKES PRAIRIE, 1872	DESOTO, 1872
CAMPBELL, 1872	HAULOVER, 1872
DELEON, 1872	HERNANDEZ, 1872
DELUNA, 1872	LEONARDO, 1873
DESOLAS, 1872	MALA COMPRA, 1872

4. VERTICAL CONTROL

(a) Only one bench mark exists within the limits of the quadrangle, namely, CB-41 (Fla. Geod. S.), third order.

(b) Sixty-six 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 0.41 foot. The line was adjusted.

(c) The first and last fly-level points are 08-1 and 08-61. The first four points are found in the level book of quadrangle T-9906. Level points 08-5 to 08-12 are in the level book of quadrangle T-9907.

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 beach section of the quadrangle is composed of numerous small sand dunes. These dunes attain a height of about twenty-five feet. There is little shifting of the dunes as a growth of scrub is found on most of them. The western portion of the area is generally flat. The highest elevations are about thirty feet.

The field editor's attention is invited to a large area in and around the Lehigh Cement Plant. All contours may have to be revised during the field edit. Considerable excavation and clearing has taken place since the original contouring.

Drainage is toward the Intracoastal Waterway. Many of the swamps have no definite drainage. The St. Joe Canal, which runs from the Intracoastal Waterway to the Florida East Coast Railway, has been excavated recently and has considerably improved the drainage.

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 in this quadrangle is indicated in red on Photograph No. 34981-A. Two lines, each approximately one-half mile in length, were run. Twenty-eight points were tested. None of the points were in error as much as a half contour interval; 7% were in error two feet or less; 14% were in error one foot or less; and, 79% were correct as shown.

6. WOODLAND COVER

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

The area between the Atlantic Ocean and the Intracoastal Waterway is predominantly scrub-oak and palmetto, with scattered palm trees in the low areas. The area immediately west of the

Intracoastal Waterway is low and heavily wooded with gum, maple, water oak, magnolia, cypress and willow. The western portion of the quadrangle is composed of slash pine with scrub-oak and palmetto undergrowth, interspersed with isolated swamps of various sizes.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline of the entire project was inspected by Mr. Henry R. Spies, Cartographic Survey Aid. See Special Report submitted in November 1952, a copy of which is filed in the Field Inspection Report of Quadrangle T-9911. One copy filed in the Project Completion Report

8. OFFSHORE FEATURES

No offshore features were noted. For the accuracy of the location of the low-water line, see Heading No. 7 above.

9. LANDMARKS AND AIDS

For the nautical landmarks and aids, see Special Shoreline Report mentioned in Heading No. 7 above. The Field Editor's attention is invited to a new stack being constructed at the Lehigh Cement Plant. The plant is near the northern limit of Quadrangle T-9909.

10. BOUNDARIES, MONUMENTS AND LINES

A Special Report On Boundaries was submitted in April 1953.

A large number of section and grant corners were recovered and identified on the control set of photographs. Form M-2226-12 was submitted for sixteen of these corners.

11. OTHER CONTROL

No topographic or photo-hydro stations were established.

12. OTHER INTERIOR FEATURES

Roads, buildings and structures were classified.

There are no bridges, cables or airfields within the quadrangle.

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

Name	Forwarded To	Date
Report On Boundaries for Project Ph-82, dated March 1953	Director	4/17/53
Coast Pilot Notes	Director	1/26/53
Shoreline Report	Officer in Charge Baltimore	1/26/53
Records, descriptions of stations, miscellaneous	"	5/11/53

8 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-9908 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)
ST. JOE, 1934	G-3040 p.142	N.A. 1927	29	33	42.047				1294.6	(552.7)		
			81	11	58.484				1574.3	(40.9)		
Sub. Pt. ST. JOE, 1934		"	29	33					1259.9	(587.4)		
			81	11					1601.9	(13.3)		
REBAUT 2, 1906	Comp from REBAUT 417 p. 15	"	29	32	52.197				1607.1	(240.3)		
			81	09	38.922				1047.9	(567.5)		
Sub. Pt. REBAUT 2, 1906	Comp	"	29	32					1246.4	(601.0)		
			81	09					1950.9	(664.5)		
HOPPER, 1934	G-3040 p. 142	"	29	35	49.485				1523.6	(323.7)		
			81	10	58.102				1563.5	(51.1)		
Sub. Pt. HOPPER, 1934		"	29	35					1486.8	(360.5)		
			81	11					03.8	(1610.8)		
WEAVER, 1934	G-3040 p.143	"	29	31	26.531				816.9	(1030.4)		
			81	08	57.162				1539.3	(76.4)		
Sub. Pt. WEAVER, 1934		"	29	31					841.8	(1005.5)		
			81	08					1564.2	(51.5)		
CANAL, 1934	G-3038 p. 121	"	29	33	39.621				1219.9	(627.4)		
			81	10	03.534				95.1	(1520.1)		
Sub. Pt. CANAL, 1934		"	29	33					1173.5	(673.8)		
			81	10					71.0	(1544.2)		

1 FT. = .3048006 METER

COMPUTED BY: J. C. Richter DATE 6/24/53 CHECKED BY: A. Queen DATE 7/2/53

COMM-DC-57843

COMPILATION REPORT

T-9908

The Photogrammetric Plot Report is part of the descriptive report for survey T-9943.

31. DELINEATION

This manuscript was delineated by graphic methods.

32. CONTROL

The density and placement of horizontal control was adequate.

33. SUPPLEMENTAL DATA

The final names standard dated 8/9/54 on the Matanzas quadrangle was used for geographic names.

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

T-10 S, R 30 E (pages 38 and 39.)
T-10 S, R 31 E (page 42.)
T-11 S, R 30 E (page 40.)
T-11 S, R 31 E (pages 43 and 44.)

34. CONTOURS AND DRAINAGE

No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. The low water line is based on data furnished by the field party.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

Forms 567 were submitted by the field party for one nonfloating aid to navigation to be charted and seven to be deleted.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are being submitted for three azimuth marks identified by the field party.

39. JUNCTIONS

Junctions have been made with surveys T-9907 to the north, T-9970 to the west and T-9909 to the south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. PUBLIC LAND LINES

All section and Grant lines have been delineated on this manuscript by the following method: Copies of latest plats of the townships were made on vinylite at a scale of 1:20,000. These plats were then oriented over the manuscript holding the identified section corners, Grant Corners, and sections of survey lines. Much adjustment was necessary along township lines, especially where the surveys were of different dates. Where the section lines crossed water and marsh areas, the distances between section corners were not recorded on the plats. These distances were assumed to be the theoretical distances (80 chains) when the plats were made, but considerable adjustments were necessary when using them to establish land lines.

46. COMPARISON WITH EXISTING MAPS

Comparison was made with the A.M.S. Matanzas quadrangle, scale 1:50,000, edition of 1948.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 843, scale 1:40,000 published January 1952, corrected to 9/8/56.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
17 October 1956

Judson Y. Councill

Judson Y. Councill
Carto. Photo. Aid

Approved and forwarded

William F. Deane

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

T-9908. Geographic Names.

Atlantic Ocean
Beverly Beach
Big Mulberry Branch
Bon Terra

Flagler County
Florida

Fox Cut
Graham Swamp
Intracoastal Waterway
Johnson Memorial Chapel
Little Mulberry Branch
Long Creek
Matanzas River
Old Kings Road

St. Joe Canal
St. Joe Road (~~also Fla. 201, below~~)
Silver Lake

Roads:

A1A
~~201~~ (~~see above~~) - out - see Field Edit Report

Names approved 3-8-57
L. Heck

FIELD EDIT REPORT
Project 24170(6082)
Quadrangle T-9908

The field edit of this quadrangle was accomplished during the month of April, 1957.

51. METHODS

The inspection of the quadrangle was accomplished by traversing all roads by truck, walking to other areas which required special attention, and by skiff along the waterways. Instructions were followed in accordance with letter to Baltimore District Office, dated 9 November 1956, 731-mkl. Standard surveying methods were used for other 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. 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, it was felt that the compiler would have no difficulty in differentiating between the original field inspection and the field edit surveys.

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

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

56-W-3664	56-W-3726	56-W-3816	56-W-3959
3665	3728	3817	3960
3666	3729	3820	3961
3668		3821	3962
		3822	
		3823	

52. ADEQUACY OF COMPILATION

The compilation was adequate with the few exceptions and additions that are indicated by the field edit data.

The quadrangle, as a whole, has changed very little since the original field inspection. The property, owned by the Lehigh Portland Cement Company near the southern limits of the quadrangle, is changing from day to day. It is in a most active status and will in all probability continue to be for many years.

The road along the St. Joe Canal has been previously

shown as route 201. This road is not regarded as a state road and should not be assigned a route number.

All roads, which are owned by the paper company of Rayonier Incorporated, are sand graded roads. The property is fenced and the gates are locked. These roads have been classified as private.

One new town has been incorporated since the original field inspection; namely BEVERLY BEACH. A legal description is submitted with the field edit data. The limits are delineated on photograph 56-W-3816. No monuments were found, but two points on line were recovered. The description is included in the Boundary Report.

All fixed aids to navigation were re-located during the field edit. These aids were identified on the photographs by the direct method with the exception of Matanzas River Daybeacon 108, which was located by angle and distance. Form 567 is submitted for all aids to navigation within the limits of this sheet.

Form 526 is submitted for two triangulation stations; WEAVER, 1934 and CANAL, 1934. Two new reference marks were set at CANAL, 1934 since all of the old reference marks including the azimuth mark had been destroyed. The azimuth mark at WEAVER, 1934 should be shown on the sheet. The geodetic azimuth is 339-04-30.8 and the distance is 2244.0 feet.

Four grant corners were identified on the photographs. Form M-2226-12 is submitted for each.

The classification of woodland was changed in several areas. The 1956 photographs show these features much clearer, as a whole, than the nine-lens photographs. The areas, shown as scrub during the original field inspection, have been classified as "T". Many of the sections, which appear as Open, have been re-forested.

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. Since the original contouring, spoil banks have been made along the Intracoastal Waterway and along the beach section some new construction is in progress. These man-made changes have been re-contoured and shown on the photographs.

The contours at the Lehigh Cement Company have not been altered. Since this area is most active and changing from day to day, it was felt that the present contours adequately express the terrain.

54. RECOMMENDATIONS

None

55. EXAMINATION OF PROOF COPY

Mr. D.D. Moody, registered land surveyor of the State of Florida and a resident of the area for fifty years, has agreed to examine a proof copy of this quadrangle for possible errors. Mr. Moody's address is: 401 North Anderson Street, Bunnell, Florida.

All geographic names were verified as shown on the advance print of the manuscript, with the exception of route 201 mentioned under heading 52 of this report. One new name, BEVERLY BEACH, is recommended.

26 April 1957
Submitted by:

Joseph K. Wilson
Joseph K. Wilson
Cartographer

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

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-9908

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

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 ——— 30. Other cultural features H.R.R.

BOUNDARIES

31. Boundary lines ——— 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; Joseph Steinberg — 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.

J. Honick — Compiler; F. TARCZA — Supervisor

43. Remarks:

M-2623-12

REVIEW REPORT T-9908

TOPOGRAPHIC

OCTOBER 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

1268	1:20,000	1872
4037	1:20,000	1923
4066	1:20,000	1924

T-9908 supersedes these prior surveys for nautical charting purposes in common areas.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Mantanzas, Florida (AMS) 1:50,000 1946

The quadrangle was copied from USGS Mantanzas quadrangle (1937). Planimetry was revised from 1942 and 1943 photographs. The map is outdated.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

65. COMPARISON WITH NAUTICAL CHARTS

843	1:40,000	1942	revised 11/25/57
1244	1:80,000	1930	revised 4/14/58

Sections of the Intracoastal Waterway and other planimetric details are not shown in their correct geographic position on chart 843. Shoreline and planimetric changes and new positions of some aids to navigation furnished by this survey have not been applied to the chart. *

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

* See pages 25, 26 & 27 concerning Silver Lake Daybn. No. 5

Reviewed by:

S. G. Blankenbaker

S. G. Blankenbaker

Approved by:

L C Lundy

Chief, Review & Drafting Section
Photogrammetry Division

Max G Ricketts

Chief, Nautical Charts Branch
Charts Division

L W Swanson

Chief, Photogrammetry Division
23 Sept 59

Chief, Coastal Surveys Div.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

~~TO BE CHARTED~~ / TO BE DELETED } STRIKE OUT ONE

St. Augustine, Florida August 1952

I recommend that the following objects which have ~~(not)~~ been inspected from seaward to determine their value as landmarks be ~~charted on~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by Henry R. Spies

Paul Taylor *Chief of Party.*

STATE	FLORIDA													
			POSITION											
			LATITUDE		LONGITUDE									
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	D.M. METERS	° ′	D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
DAYBEACON 18	Matanzas River Daybeacon		29 37.3		81 12.4			T-9908			x		843
DAYBEACON 21	Fox Cut Daybeacon		29 33.7		81 10.8						x		"
LIGHT 23	Fox Cut Light		29 31.8		81 09.3						x		"
DAYBEACON 25	Silver Lake Daybeacon		29 31.5		81 09.2						x		"
DAYBEACON 27	Silver Lake Daybeacon		29 31.0		81 09.0						x		"
DAYBEACON 29	Silver Lake Daybeacon		29 30.6		81 08.8						x		"
DAYBEACON 31	Silver Lake Daybeacon		29 30.2		81 08.7						x		"

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.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 853418

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland, 1956

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(delete from)~~ the charts indicated.

The positions given have been checked after listing by H. R. Rudolph

William F. Deane
William F. Deane, *Chief of Party.*

STATE	FLORIDA													
			POSITION											
			LATITUDE			LONGITUDE								
CHARTING NAME	DESCRIPTION	NEW ~~SIGNAL SERIES~~ NUMBER	°	'	D. M. METERS	°	'	D. P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
LIGHT 19	Matanzas River Light	109	29	37	12.15 / 374	81	12	28.02 / 754	N.A. 1927	~~T-9908~~ Rad.Plot	1952		x		843
	Fox Cut Light Substantially same as L.855(57) p.7	3	29	31	53.06 / 1634	81	09	22.09 / 595	"	"	1956		x		843

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 [illegible] be given.

-23-

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Baltimore, Maryland 19 November, 19 57

I recommend that the following objects which have ~~have not~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by R. Glaser

William F. Deane *Chief of Party.*

STATE FLORIDA Same as L.855(57) p.7

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE ° ′	LATITUDE ″ D.M. METERS	LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	Matanzas River Daybeacon (108)		29 37	16.82 / .518	81 12	31.89 / 858	N.A. 1927	Rad. Plot T-9908	1957		x		843
	Matanzas River Light (109)		29 37	12.11 / 373	81 12	28.17 / 758	"	"	"		x		843
	Silver Lake, Fox Cut Daybeacon (1)		29 33	42.19 / 1299	81 10	50.48 / 1359	"	"	"		x		843
	Silver Lake, Fox Cut Light (3)		29 31	53.07 / 1634	81 09	22.02 / 593	"	"	"		x		843
	Silver Lake Daybeacon (5)		29 31	24.81 / 764	81 09	10.95 / 295	"	"	"		x		843
	Silver Lake Daybeacon (6)		29 30	50.25 / 1547	81 09	01.08 / 29	"	"	"		x		843
	Silver Lake Daybeacon (7)		29 30	35.50 / 1093	81 08	53.06 / 1429	"	"	"		x		843
	Silver Lake Daybeacon (9)		29 30	17.15 / 528	81 08	45.59 / 1228	"	"	"		x		843
	Silver Lake Daybeacon (11)		29 30	04.29 / 132	81 08	40.61 / 1094	"	"	"		x		843

-24-

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.

WHEN DECIMAL MINUTES AND METERS

M-2836-3

~~73~~
75

- 25 -

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
P.O. Box 8574
Arlington Branch
Jacksonville, Florida

POST OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

30 October 1958

To: Chief, Division of Photogrammetry
Coast and Geodetic Survey
Washington 25, D.C.

Subject: Position of Daybeacon, Project Ph-82, T-9908
(Reference your letter 24th Oct. 1958, 75-rrj)

The subject daybeacon was visited in accordance with your letter. The field edit photo identification is confirmed. PHOTO 56W 3960
The charted position of 155 yards to the north is incorrect.
Chart 843

Joseph K. Wilson
Joseph K. Wilson
Sub Unit Chief
Cost Center 723

cc: Chief of Party

* Pages 25, 26 and 27 refer to the geographic position of Silver Lake Daybeacon No. 5. Daybeacon No. 5 is shown on T-9908 in the position indicated on form 567 (page 24). This position was verified (30 oct. 1958)

o-3
Serial: 3100
8 October 1958

From: Commander, Seventh Coast Guard District
To: Commandant (OAN)

Subj: Silver Lake Daybeacon 5 (LL page 650)

Ref: (a) COMDT (OAN) ltr 006/5 dtd 30 Sept., 1958

1. Reference (a) which was addressed to the Fifth District was forwarded to this office on 2 October 1958.

2. Subject Daybeacon has not been rebuilt since it was relocated on 8 October, 1952. At the time that it was moved and renumbered, the former Daybeacon 25 was missing. According to the records of this office this daybeacon was placed about 500 feet 013° from the Corps of Engineers Monument DNF-149. This position is the same as the charted position of Daybeacon 5.

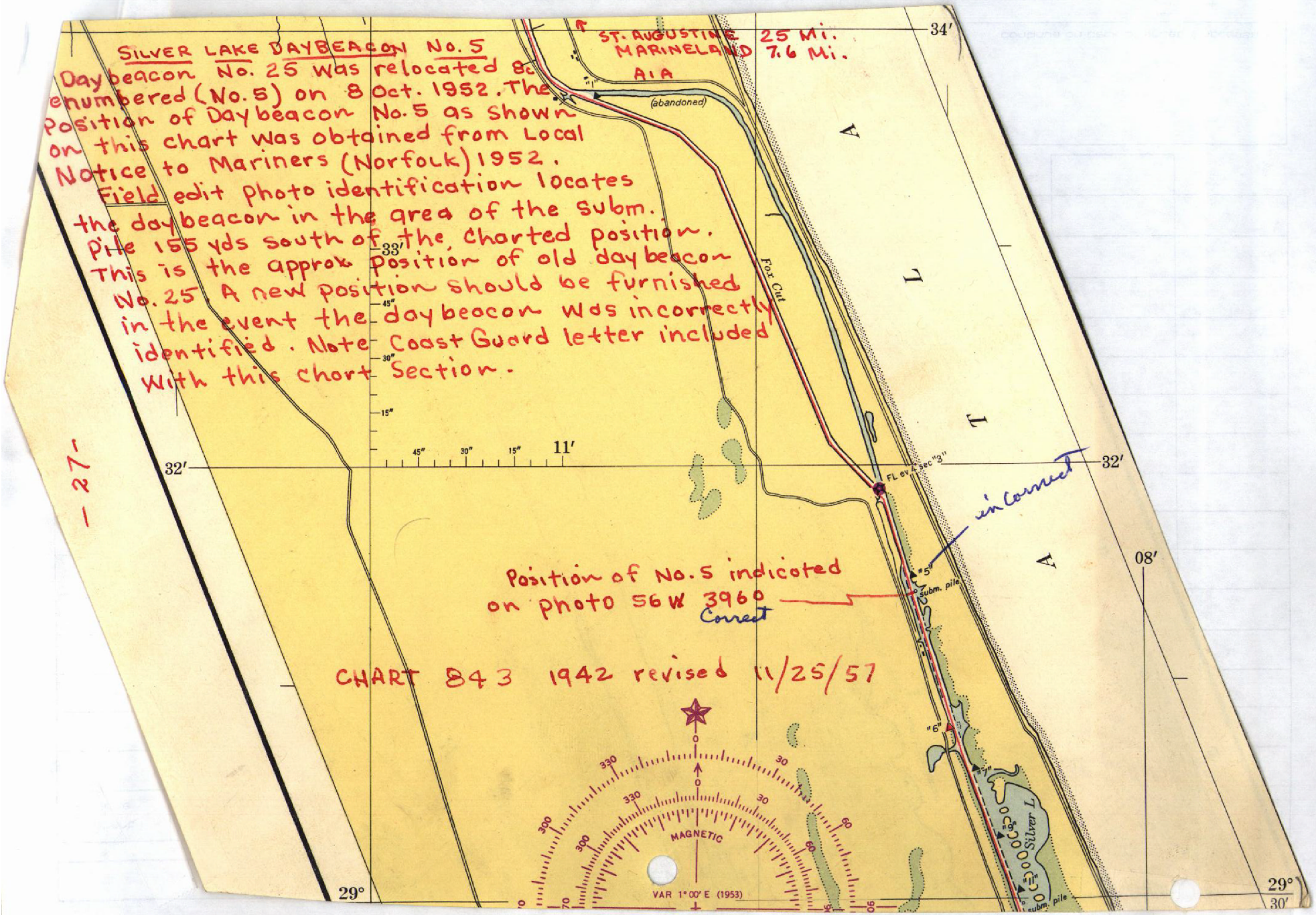
- not correct according to J. Wilson oct. 30. 1958

R. C. BURKE
By direction

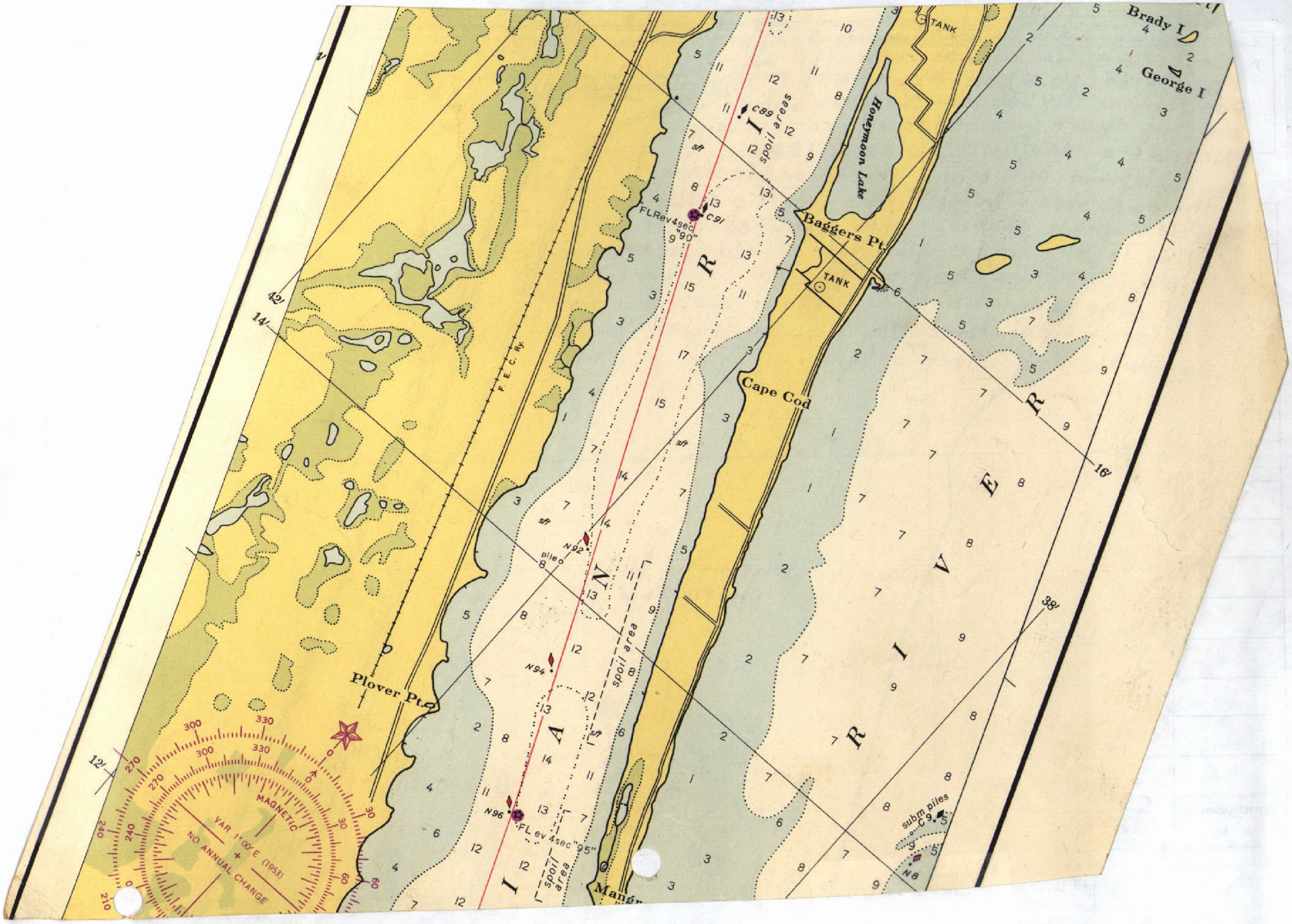
SILVER LAKE DAYBEACON No. 5

Daybeacon No. 25 was relocated 8 Oct. 1952. The renumbered (No. 5) on 8 Oct. 1952. The Position of Daybeacon No. 5 as shown on this chart was obtained from Local Notice to Mariners (Norfolk) 1952.

Field edit photo identification locates the daybeacon in the area of the subm. pile 155 yds south of the charted position. This is the approx. position of old daybeacon No. 25. A new position should be furnished in the event the daybeacon was incorrectly identified. Note Coast Guard letter included with this chart section.



-27-


Brady I
George I
Horseshoe Lake
Baggers Pt
Cape Cod
Plover Pt
TANK
TANK
F.E.C.Ry
spoil areas
spoil area
spoil area
spoil area
FLRev 4sec 90"
FLev 4sec 95"
C91
C89
N92
N94
N96
N8
C9
subm piles
pile
sf
MAGNETIC
VAR 1°00' E (1953)
NO ANNUAL CHANGE
12'
14'
16'
38'
42'

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9908

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
4/28/60	843	E. Thomas	Considered completely applied until Recmd. ~~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
			Before After Verification and Review
			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.