11089

Diag. Cht. No. 1256.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-100 *Office No.* T-11089

LOCALITY

State Florida

General locality West Coast

Locality Little Sarasota Bay to Blackburn Bay.

19~~4~~53-54

CHIEF OF PARTY

I. R. Rubottom, Field Unit and Tampa Photo. Office

LIBRARY & ARCHIVES

DATE June 23, 1958

B-1870-1 (1)

11089

DATA RECORD

T-11089

Project No. (II): Ph 100 Quadrangle Name (IV):

Field Office (II): Osprey, Fla. Chief of Party: Ira R. Rubottom

Photogrammetric Office (III): Tampa Florida Officer-in-Charge: Ira R. Rubottom

Instructions dated (II) (III): 1 December 1952 Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000 Stereoscopic Plotting Instrument Scale (III): Inapplicable

Scale Factor (III): None

Date received in Washington Office (IV): SEP 21 1955 Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 3/11/58

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

Geographic Datum (III): N A 1927 Vertical Datum (III): MHW

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): KEG,1878

Lat.: 27° 10' 30".07 (925M) Long.: 82° 29' 48".84 (1344M) Adjusted ~~Unadjusted~~

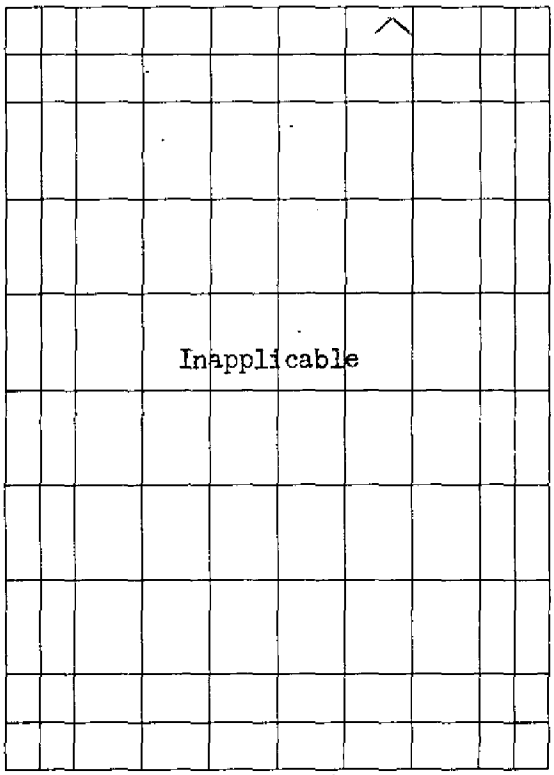
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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): J. E. Johnson — Date: July, 1954

Planetable contouring by (II): Inapplicable — Date:

Completion Surveys by (II): — Date:

Mean High Water Location (III) (State date and method of location): Air Photo Compilation, July, 1954

Projection and Grids ruled by (IV): J. Allen (W.O.) — Date: Dec.17, 1952

Projection and Grids checked by (IV): H. D. Wolfe (W.O.) — Date: Dec.17, 1952

Control plotted by (III): R. J. Pate — Date: May 12, 1954

Control checked by (III): R. A. Reese — Date: May 28, 1954

Radial Plot ~~or Stereoscopic Control extension~~ by (III): M. M. Slavney — Date: Aug. 6, 1954

Stereoscopic Instrument compilation (III): Planimetry / Contours — Inapplicable — Date: / Date:

Manuscript delineated by (III): Rudolph Dossett — Date: Oct. 11, 1954

Photogrammetric Office Review by (III): J. A. Giles — Date: Oct. 13, 1954

Elevations on Manuscript checked by (II) (III): Inapplicable — Date:

Camera (kind or source) (III): C&GS. 9 lens, 8¼ " focal length

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42799	12-1-53	1218	1:10,000	+0.7
42800	"	1219	"	"
42801	"	1220	"	"
42810	"	1235	"	"
42811	"	1235	"	"

Tide (III)

From Predicted Tides

Reference Station: TAMPA BAY

Subordinate Station: Mean(SARASOTA PT.)
(PORT BOCA GRANDE)

Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	1.5	2.0
0.8	1.2	

-1.53

Washington Office Review by (IV): Date:

Final Drafting by (IV): Date:

Drafting verified for reproduction by (IV): Date:

Proof Edit by (IV): Date:

Land Area (Sq. Statute Miles) (III): 5

Shoreline (More than 200 meters to opposite shore) (III): 16

Shoreline (Less than 200 meters to opposite shore) (III): 3.6

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 12 Recovered: 5 Identified: 3

Number of BMs searched for (II): 1 Recovered: 1 Identified: 1

Number of Recoverable Photo Stations established (III): 1

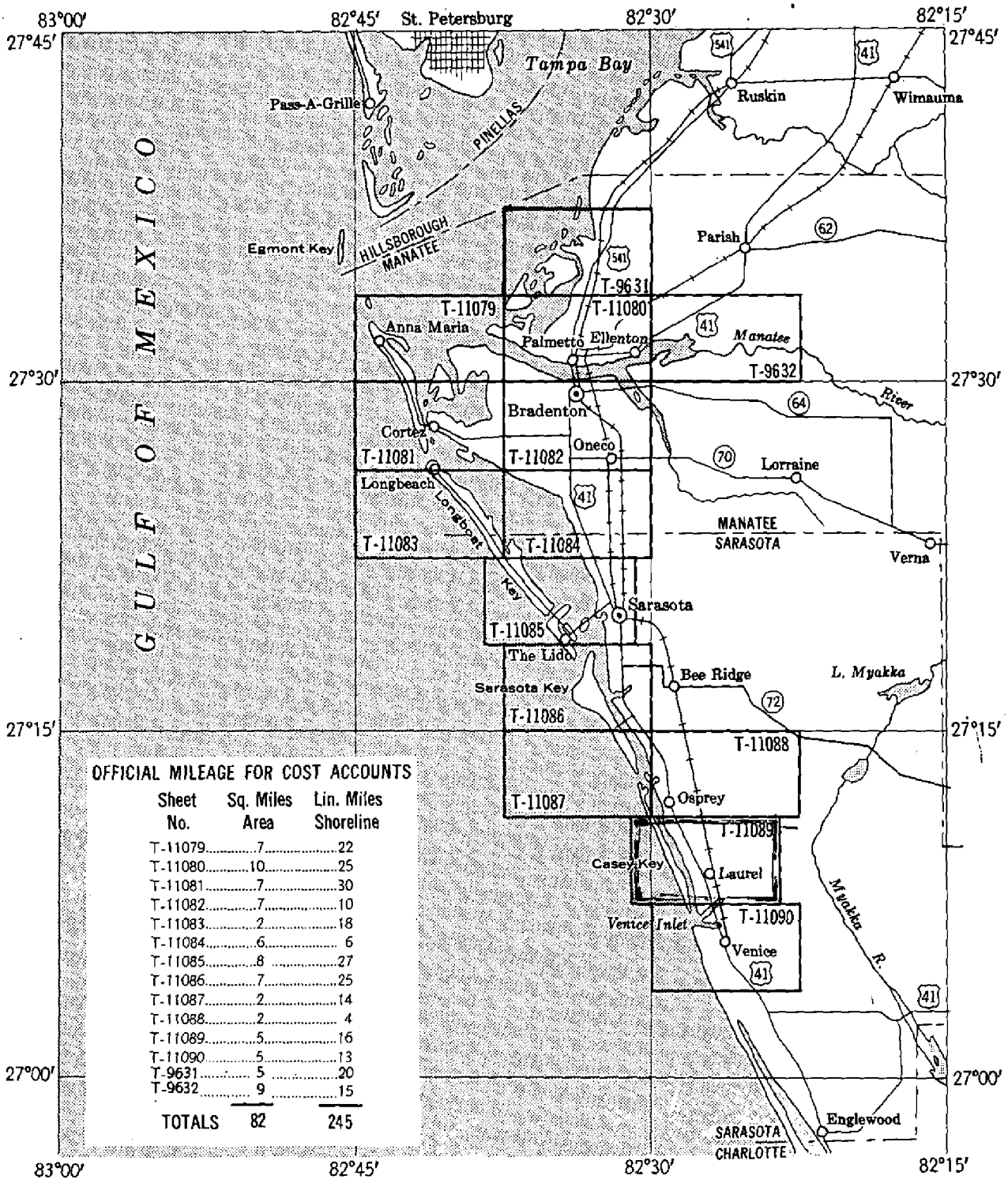
Number of Temporary Photo Hydro Stations established (III): 89

Remarks:

M-2618-12(4)

SHORELINE MAPPING PROJECT ~~PE-100~~ 27120

FLORIDA–GULF COAST, Manatee River to Venice Inlet



OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Sq. Miles Area	Lin. Miles Shoreline
T-11079	7	22
T-11080	10	25
T-11081	7	30
T-11082	7	10
T-11083	2	18
T-11084	6	6
T-11085	8	27
T-11086	7	25
T-11087	2	14
T-11088	2	4
T-11089	5	16
T-11090	5	13
T-9631	5	20
T-9632	9	15
TOTALS	82	245

Compiled at scale of 1:10,000 from nine-lens photographs taken February 1952

(Refer to Air-Photo Index 129-A)

Summary to Accompany T-11089

Instructions were written for project Ph-100 December 1, 1952. Its purpose was to furnish shoreline and hydrographic control for a hydrographic survey to be made by the ship SOSBEE. The combined surveys would furnish data for the revision of Chart 586 and for the construction of a new 1:40,000 chart for Sarasota Bay.

Both field inspection and compilation of the manuscripts were assigned to the personnel of the Tampa Photogrammetric Office.

On December 18, 1952 instructions were issued for CS-353, West Coast of Florida, Tampa Bay to Caloosahatchee River, the ship SOSBEE to survey the shoreward portions of the area, and to assist the Photogrammetric Office in field work as necessary to locate additional control.

A ~~cloth backed lithographic~~ Ozalid print of each map, at manuscript scale, together with the descriptive report, will be registered and permanental filed in the Bureau Archives.

FIELD INSPECTION REPORT

T-11087 (Southern Part), T-11088 (Southern Part), T-11089 and T-11090

2. AREAL FIELD INSPECTION.

The purpose of this project being to provide shoreline and horizontal control data for the hydrographic party, the area of field inspection was limited to alongshore features and is discussed under Item 7.

The photographs were of good quality and no difficulty was experienced in interpretation.

Inspection was completed to 27° 03' 45" (the southerly project limits).

The area field inspected is complete, no part being intentionally omitted.

3. HORIZONTAL CONTROL.

Seven (7) third-order traverse stations were established: LORAN, 1954, and four antenna poles of the USAF Loran Station at Venice; CHARLIE, 1954, approximately one mile north of Midnight Pass; and DEL, 1954 at Venice Municipal Beach. The latter two were for use by the Ship SOSBEE as a position for electronic equipment.

The work was done in cooperation with personnel from the Ship SOSBEE.

The following Corps of Engineers, U. S. Army, third-order triangulation stations were recovered:

BLACKBURN (USE), 1935	CAMP (USE), 1935
HALL (USE), 1935	DONA (USE), 1935
NOKOMIS (USE), 1935	PASS (USE), 1935
MC ADOW (USE), 1935	

The following Corps of Engineers, U. S. Army, traverse stations were recovered:

V 12/00 (USE), 1938	V 100/00 (USE), 1938
V 230/ 00 (USE), 1938	V 45/73 (USE), 1938
V 187/80.3 (USE), 1938	

All known Coast and Geodetic Survey stations were searched for and reported on Form 526. The following are reported lost or destroyed:

HUCKLEBERRY CAMP, 1878
CASEY, 1934

4. VERTICAL CONTROL.

Inapplicable. There are no tidal bench marks in the area.

5. CONTOURS AND DRAINAGE.

Inapplicable.

6. WOODLAND COVER.

Classified only alongshore.

7. SHORELINE AND ALONGSHORE FEATURES.

The mean high-water line was inspected in detail and labeled, as were alongshore features such as piers, seawalls, etc.

A considerable amount of the shoreline is classified apparent; it is mostly mangrove but there is some marsh in the upper reaches of South Creek, Shakett Creek, Curry Creek and Hatchett Creek. The mangrove is blackish gray with the marsh a gray mottled tone.

Many offshore oyster bars exist in the bays and creeks. They usually uncover at low-water and have been shown with the approximate low-water symbol. There is generally a fringe of oysters at the base of mangrove growth but it is usually insignificant for mapping.

A few bluffs and rock ledges exist and were labeled.

The submarine cable at Curry Creek was indicated on the photograph. The cable was not marked at any of the other water crossings along the highway.

8. OFFSHORE FEATURES.

All visible offshore features were either noted on the photographs or cut in by theodolite from identifiable photographic detail.

9. LANDMARKS AND AIDS.

Fixed aids to navigation were located by theodolite cuts from identifiable photographic detail or by direct identification.

There are six (6) privately maintained daybeacons in Roberts Bay; these were also located by the above methods.

Landmarks for nautical charts are to be selected and reported by the hydrographic party.

10. BOUNDARIES, MONUMENTS, AND LINES.

Inapplicable.

11. OTHER CONTROL.

Two (2) topographic stations established in 1944 were recovered and identified. They are EDD 4 (USE) 1935, (1944) 1954, in T-11089; and EDD 15 (USE) 1935, (1944) 1954, in T-11090.

A new topographic station, VENICE INLET LIGHT 1, 1954, was established in T-11090. Lack of control in the vicinity prevented determination of a third-order position for the light as per instructions.

12. OTHER INTERIOR FEATURES.

Inspection was not carried inland from the mean high-water line.

See attached TABLE I for bridge data.

There are five (5) overhead power cables crossing navigable water. Vertical clearance above mean high-water at the lowest point on catenary are:

T-11090	1. Intracoastal Waterway opposite north end of Turner Key ...	48.3 feet
"	2. West channel around Turner Key ...	40.1 feet
"	3. Curry Creek at U.S.Highway 41 bridge...	25.4 feet
"	4. Hatchett Creek at U.S.Highway 41 bridge ...	34.4 feet
	5. Intracoastal Waterway, Osprey bridge...	65.0 feet

13. GEOGRAPHIC NAMES:

No systematic investigation was conducted but comparisons were made during the course of field inspection for discrepancies in the more prominent ones, none of which were noted.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA.

None.

Respectfully submitted,

James E. Johnson

James E. Johnson
Cartographic Aid (General)

APPROVED AND FORWARDED

William A. Rasure

for Ira R. Rubottom, Chief of Party

TABLE I

BRIDGE DATA

	Survey No.T-	Type	Bridge Book Feet E	Bridge Book Feet W	C & G.S. Feet E	C & G.S. Feet W	Bridge Book ab. H.W. Feet	C. & G.S. ab. M.H.W. Feet
Little Sarasota Bay, Osprey Bridge (Highway) (Blackburn Pt. Brg)	11089	SW	55	55	54.7	32.0*	9.2	9.4
South Creek (Highway)	11089	F	Rebuilt in 1950. No info in bridge bk		Center 16.5			7.0
Little Sarasota Bay, Nokomis Bridge (Highway)	11090	SW	Rebuilt in 1954. No info in bridge bk		E** 47.2	W 55.0		7.2
(Shakit) SHAKETT CREEK(N) (Highway)	11090	F	"	"	Center 18.0			6.3
(Shakit) SHAKETT CREEK (Railroad)	11090	F	Center 20		Center 15.0***		6.9	6.1
(Shakit) SHAKETT CREEK (S) (Highway)	11090	F	Rebuilt in 1950. No info in bridge bk		Center 18.0			5.9
Curry Creek (Highway)	11090	F****	"	"	39.5			6.0
Curry Creek (Railroad)	11090	F	Center 20		18.9		6.9	5.9
Hatchett Creek (Highway)	11090	F****	Rebuilt in 1950. No info in bridgebk.		39.0			5.1

* West channel partially blocked by net racks under bridge and mangrove limbs at north end of channel.

** The draw fender is to the east of center pier which accounts for difference in east and west clearances.

*** Submerged piling on each side of channel account for difference in horizontal clearance.

**** Bascule bridge not equipped for raising.

COMPILATION REPORT
T-11089

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11081

31. DELINEATION

Compiled graphically.

The scale of the photographs was acceptable but not good.

The field inspection was very good.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

The drainage is not extensive and has been delineated according to photographic interpretation supported by field inspection notes.

35. SHORELINE AND ALONGSHORE DETAILS

Shoreline inspection was good.

All shallow areas and low water lines have been delineated according to field inspection notes.

36. OFFSHORE DETAILS

Delineated according to field inspection notes.

37. LANDMARKS AND AIDS

No new landmarks were recommended by the field inspector.

Fixed aids to navigation were located by ~~the~~ theodolite cuts with radial plot intersecting linecuts used for checking those aids discernible on the photographs. Form 567 was submitted to the Washington Office 29 September 1954.

38. CONTROL FOR FUTURE SURVEYS

One (1) topographic station is being submitted on Form 524 and listed under Item 49.

Eighty nine (89) Tem porary Photo-Hydro Stations are not listed as they were submitted directly to the Ship SOSBEE.

39. JUNCTIONS

A satisfactory junction has been secured with T-11088 on the north and T-11090 on the south. There is no contemporary survey on the east or west.

40. HORIZONTAL AND VERTICAL ACCURACY

No Statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.Army Corps of Engineers Topographic Quadrangle "Laurel, Fla.", scale 1:31,680, compiled in 1942. The shoreline of LITTLE SARASOTA BAY and BLACKBURN BAY has undergone considerable change due to new construction (fills and cuts) and the establishment of an intracoastal waterway channel. New shoreline construction is particularly emphasized in LOWER BLACKBURN BAY just north of VENICE INLET. No outstanding change was noted along the outer GULF OF MEXICO shoreline.

Comparison was also made with C&GS Topographic Map T-5853

scale 1:10,000, compiled in 1939. Discrepancies are the same as noted in above paragraph.

47. COMPARISON WITH NAUTICAL CHARTS

Acomparison has been made with C&GS Nautical Chart No. 1256, scale 1:80,000, published in March 1943, and revised to 3 October 1952. The same discrepancies occur as noted under Item 46.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Rudolph Dossett
Carto Photo Aid

APPROVED AND FORWARDED.

William A. Rasure
for Ira R. Rubottom, Chief of Party.

48. GEOGRAPHIC NAME LIST

BLACKBURN BAY

CASEY KEY

DONA BAY
DRYMAN BAY

FLORIDA
FOX CREEK

GULF OF MEXICO

LITTLE SARASOTA BAY
LYONS BAY

SALT CREEK
SOUTH CREEK
SHAKETT CREEK

These names are taken from the basic maps and nautical chart mentioned in Items 46 and 47.

49. NOTES FOR HYDROGRAPHER

Eighty Nine (89) Temporary Photo-Hydro Stations are not listed because they were submitted direct to the Ship SOSBEE.

The following is a topographic station which may be useful to the Hydrographer:

EDD 4 (USE) 1954

50

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11089

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

unclassified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads J.G. 28. Buildings J.G. 29. Railroads J.G. 30. Other cultural features J.G.

BOUNDARIES

~~31. Boundary lines 32. Public land lines~~

MISCELLANEOUS

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

40. Jesse A. Giles — Reviewer

William A. Rasure — 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.

Compiler — Supervisor

43. Remarks:

M-2623-12

Review Report T-11089
Shoreline Map
6 December 1956

61. General:

This is a revision survey which includes a newly delineated total shoreline, but only such interior features as will amend and supplement the 1944 surveys.

62. Comparison with Registered Surveys:

T-5852 1:10,000 1944 Osprey and Vicinity.

T-5853 1:10,000 1944 Casey Key and Vicinity.

The shoreline on T-11089 supersedes and the interior detail supplements and amends that on the older surveys for charting.

63. Comparison with Maps of other Agencies:

USE Laurel 1:25,000 ed. 1947

T-11089 supersedes the shoreline, and amends and supplements the interior detail for charting.

64. Comparison with Contemporary Hydrographic Surveys:

H-8154 1:10,000 1954

1. Minor shoreline changes were made to T-11089 during review.

2. Various piles were added: east side of Blackburn Bay between 27°09½'-083/4', west side, at wharf 27°03'35+".

3. Several small piers were added. Two at the southern limit had field inspection measurements: the northern, 30 feet offshore plus 18 feet; southern, 20 feet offshore plus 60 feet.

4. The railroad bridge over Dona Bay records a vertical clearance of 4 feet MHW on H-8154, but field inspection, T-11089, and chart 1256 record 7 feet MHW.

65. Comparison with Nautical Charts:

1256 1:80,000 ed. March 1943, corr. Jan. 1955

Map area T-11089 supersedes the shoreline; the hydrography of the bays and rivers; and amends and supplements the interior detail.

66. Accuracy:

This map complies with project instructions and meets the National Standards of Accuracy.

Reviewed by

Lena T. Stevens

Lena T. Stevens

Approved by:

H. C. Mendenhall

Wallace A. Bruder for Chief Nautl. Chts. Br.

A. H. Iverson

18 June 1956

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
July '61	857	Nichols	~~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
			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.