11081

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(52) Office No. T-11081

LOCALITY

State Florida

General locality Sarasota Bay

Locality Perico Island to Longboat Key

19 52-53

CHIEF OF PARTY

J.E.Waugh, Field Unit and Tampa Photo. Office.

LIBRARY & ARCHIVES

DATE September 5,1958

8-1870-1 (1)

11081

DATA RECORD

T - 11081

Project No. (II): PH-100(52) Quadrangle Name (IV):

Field Office (II): Sarasota, Florida Chief of Party: J. E. Waugh

Photogrammetric Office (III): Tampa, Florida Officer-in-Charge: J. E. Waugh

Instructions dated (III): 1 December 1952
Supplement 1 5 May 1953

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): 5/12/58

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): MARIA, 1934

Lat.: 27° 28' 38".360 (1180.7 m.) Long.: 82° 42' 13".040 (358.0 m.) Adjusted
~~Unadjusted~~

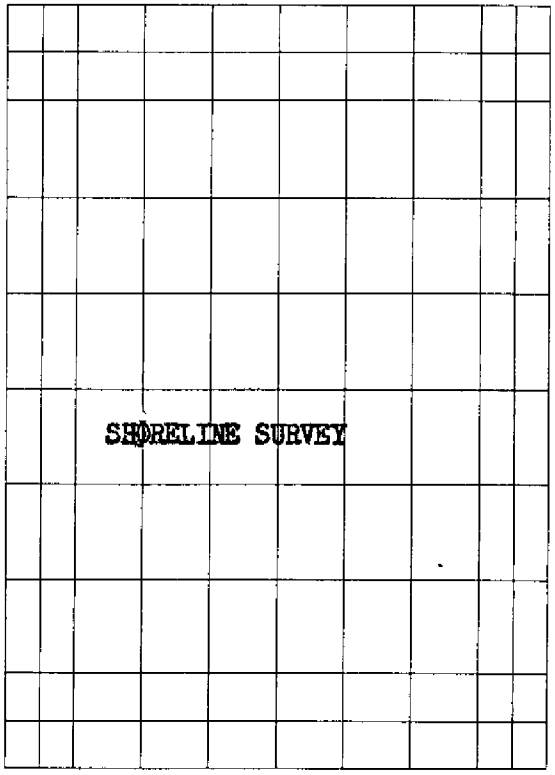
Plane Coordinates (IV): State: Zone:

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)

DATA RECORD

Field Inspection by (II): W. H. Shearouse — Date: March 1953

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, March 1953

Projection and Grids ruled by (IV): Jack Allen (W. O.) — Date: ~~12~~ 9 Dec. 1952

Projection and Grids checked by (IV): H. D. Wolfe (W. O.) — Date: 12 Dec. 1952

Control plotted by (III): I. I. Saperstein — Date: 16 Jan. 1953

Control checked by (III): R. J. Pate — Date: 16 Jan. 1953

Radial Plot ~~on Stereoscope~~ ~~Instrument~~ by (III): M. M. Slavney — Date: 17 Mar. 1953

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

Contours — Date:

Manuscript delineated by (III): W. W. Dawsey — Date: 21 Sept. 1953

Photogrammetric Office Review by (III): I. I. Saperstein — Date: 28 Sept. 1953

Elevations on Manuscript checked by (~~N~~/A/III): Inapplicable — Date:

Camera (kind or source) (III): USC&GS Nine-lens camera - 8.25" focal length
Fairchild Cartographic 6" Metrogon lens Camera "O"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide: Gulf of Mexico	Stage of Tide: Sarasota Bay
34892 to 34895 incl.	11 Feb. 1952	1501	1:10,000	0.4	0.6
2-11-52-0-326 to 331 incl.	"	1510	"		

Tide (III) (predicted)

		Ratio of Ranges	Mean Range	Spring Range
Reference Station:	TAMPA BAY, FLA.	-	1.5	2.0
Subordinate Station:	ANNA MARIA	0.9	1.4	1.9
Subordinate Station:	CORTEZ, FLA. *	0.9	1.3	-

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):~~ 7

Shoreline (More than 200 meters to opposite shore) (III): 30

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

~~Control Leveling - Miles (II):~~

Number of Triangulation Stations searched for (II): 24** Recovered: 16 Identified: 8***

Number of BMs searched for (II): 14 Recovered: 12 Identified: 4

Number of Recoverable Photo Stations established (III): 16

Number of Temporary Photo Hydro Stations established (III): 112

Remarks:

* Tide computations have been based on tidal differences and constants furnished by the Ship SOSHEE August 1953

** Including two (2) stations established

*** LONGBOAT INLET LIGHT 16A identified in office

M-2618-12(4)

Summary to Accompany T-11081

Instructions were written for Project Ph-100, 1 December, 1952. Its purpose was to furnish shoreline and hydrographic control for a hydrographic survey to be made by the SOSBEE. The combined surveys would furnish data for a revision of Chart 586 and for 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 18 December 1952 instructions were issued for CS-353, West Coast of Florida, Tampa Bay to Caloosahatchie 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~~ CRONAR print of each map, at manuscript scale, together with the descriptive report, will be registered and permanently filed in the Bureau Archives.

FIELD INSPECTION REPORT

T-11079 (Western part), T-11081,

T-11083 thru T-11087 (Northern part)

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. No difficulty was experienced in interpretation. Coverage was sparse in a few places, especially in the vicinity of SARASOTA POINT (T-11086).

Inspection was completed to the eastern limits of photographic coverage in Survey T-11079, which is at the north entrance of PERICO BAYOU - approximate longitude 82° 40'.5.

Coverage was also incomplete for Survey T-11087, inspection being accomplished southward through LITTLE SARASOTA BAY to MIDNIGHT PASS - approximate latitude 27° 12'.4.

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

3. HORIZONTAL CONTROL.

Following is a list of supplemental control stations established. They are of third order accuracy and were established by triangulation methods. The work was done in cooperation with personnel from the Ship SOSBEE. (A.J. Wardwell & R.J. Sipe, in chg.)

JULE (1943), 1953 ✓	T 11084
SCREEN, 1953 ✓	11064
HARD, 1953 ✓	11079
RING, 1953 ✓	11085
END, 1953 ✓	11064
PECK, 1953 ✓	11084
SARASOTA BAY DAYBEACON 20B, 1953 ✓	11093

WEST CHANNEL LIGHT 21, 1953
SARASOTA BAY DAYBEACON 22, 1953
SARASOTA BAY DAYBEACON 20C, 1953
SARASOTA BAY LIGHT 28, 1953
SARASOTA BAY DAYBEACON 25, 1953
LONG BAR SHOAL DAYBEACON 23, 1953
SOUTH ENTRANCE RANGE, FRONT DAYBEACON 24, 1953
WEST CHANNEL, SOUTH RANGE, FRONT LIGHT 26, 1953
SOUTH ENTRANCE RANGE, REAR DAYBEACON, 1953
WEST CHANNEL, SOUTH RANGE, REAR LIGHT, 1953
SARASOTA, RINGLING MANSION, CUPOLA, 1953
SARASOTA BAY LIGHT 30, 1953
BARGE CHANNEL RANGE, FRONT LIGHT 9, 1953
SARASOTA, WSPB, RADIO MAST, 1953
SARASOTA, ORANGE BLOSSOM HOTEL, TANK, 1953
SARASOTA, MUNICIPAL TANK (ELEVATED), SOUTH, 1953
HOG (1943), 1953
TEMPORARY BANNER IN TREE, 1953
LONG, 1953
SARASOTA, PAYNE TERMINAL STACK, 1953
SARASOTA, MUNICIPAL TANK (ELEVATED), NORTH, 1953
SARASOTA, WKXY, RADIO MAST (ANTENNA), 1953
TEMPORARY BANNER NO. 1, 1953
NEW PASS, POWER POLE (SOUTH), 1953
BIG SARASOTA PASS LIGHT 19, 1953
BIG SARASOTA PASS LIGHT 22, 1953
BIG SARASOTA PASS LIGHT 5, 1953
TEMPORARY BANNER NO. 3, 1953
LONGBOAT INLET LIGHT 15, 1953
LONGBOAT INLET LIGHT 16A, 1953
WEST CHANNEL LIGHT 19, 1953
AMBE TR 27 (USE 1946), 1953

Project Instructions directed that additional control be established on LONGBOAT KEY. During the course of control recovery it was decided that a Corps of Engineers, U. S. Army, third order traverse which covered much of the area where the additional control was needed could be utilized. The accuracy of this traverse was tested by determining the position of Station AMBE TR 27 (USE 1946), 1953, by triangulation methods. The position checked very close.

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

AMBE TR 14 (USE), 1946
AMBE TR 15 (USE), 1946
AMBE TR 16 (USE), 1946
AMBE TR 19 (USE), 1946
AMBE TR 22 (USE), 1946
AMBE TR 23 (USE), 1946
AMBE TR 24 (USE), 1946
AMBE TR 26 (USE), 1946

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

BIRD KEY (USE), 1935
WEST CAUSEWAY (USE), 1935
EAST CAUSEWAY (USE), 1935
CHEROKEE (USE), 1935
EWING (USE), 1935
CANAL (USE), 1935
MARTIN (USE), 1935
MARVIN (USE), 1935
FIELDS (USE), 1935
CRAWFORD (USE), 1935
ASHBY (USE), 1935
OSPREY (USE), 1935
VAMO (USE), 1935
LISP (USE), 1935

The monument for Station STICKNEY (USE), 1935 was found tilted and later completely destroyed by dredging operations, but was identified for radial plot purposes before final destruction.

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

BOLEES CREEK, 1908
STEPHENS, 1878
SARASOTA, AMERICAN NATIONAL BANK BUILDING, TANK ON TOP, 1934
LONGBOAT KEY 2, 1940
CLOWER, 1878

The tank listed above was rebuilt in 1953, after destruction by a windstorm, and its position determined by triangulation. The new name is SARASOTA, ORANGE BLOSSOM HOTEL, TANK, 1953.

4. VERTICAL CONTROL.

Tidal bench marks were recovered and reported on Form 685A. One or more of each group, considered of value for hydrographic control, was identified. In addition, a considerable number of bench marks were recovered while traveling the main roads. They too are reported on Form 685A.

5. CONTOURS AND DRAINAGE.

Inapplicable.

6. WOODLAND COVER.

See Item 7, Paragraph 2.

7. SHORELINE AND ALONGSHORE FEATURES.

The mean high-water line of the Bay area is usually obvious as photographed. It was thoroughly inspected and labeled. On the Gulf front, however, it was difficult to find a mean high-water line marking or indication on the photographs. It was, therefore, located by taping or pacing from identifiable points and the distances recorded on the photographs.

Apparent shoreline comprises a large percentage of the waterfront. It is usually the edge of dense mangrove. The mangrove varies widely in size, often being only 5 to 10 feet in height while in other places it was found growing to a height of 50 or more feet. The growth appears on the photographs a dense black tone, usually smooth, although where the trees are very large they often appear rough looking.

Marsh is negligible and is more often grass-in-water than true marsh.

There is intense concern over the rapid erosion of the Gulf beach on ANNA MARIA, LONGBOAT and SARASOTA KEYS. An attempt is being made by Manatee County and the State of Florida to control the erosion on ANNA MARIA KEY. Rock seawalls or ripraps have been placed along the shoreline with rock groins perpendicular to them, extending seaward to or beyond the low-water line. At the time of field inspection, this experiment was under way. The groins that were in place were spotted on the photographs from identifiable features.

The foreshore was classified in only a few instances as it was believed that a thorough classification would be made by the hydrographic party.

A few bluffs exist and were labeled. Also, the piers and other shoreline structures were labeled for clarification.

The low-water line was shown as approximate only.

The submarine cables at CORTEZ (T-11081) and RINGLING (T-11085) bridges were indicated on the photographs.

Submarine cables shown on Sheet T-5847 at LONGBOAT PASS and Sheet T-5850 at NEW PASS no longer exist.

8. OFFSHORE FEATURES.

Offshore features, such as rocks and wrecks were visually inspected and noted as to whether they uncover and the heights indicated. These features are few in number and will not be a hydrographic problem of significance.

9. LANDMARKS AND AIDS.

Fixed aids to navigation were located by one of the following methods:

(1) Triangulation
(2) Photogrammetrically
(3) Planetable
(4) Theodolite cuts

Form 567 has been submitted.

There is one aeronautical aid and it has been reported on Form 567 and Form 524. T-11084

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

10. BOUNDARIES, MONUMENTS, AND LINES.

Inapplicable.

11. OTHER CONTROL.

Numerous topographic stations established in 1941-44 were recovered and identified. However, only those of value to the hydrographer are listed.

Letters, A B C etc., were used as names for photo points to locate photo-topo and photo-hydro stations. Numbers were given to photo points used to locate nonfloating aids to navigation by theodolite cuts.

T-11079

TIDAL BENCH MARK 5 (ANNA MARIA) (1941), 1953
TEX (1941), 1953
RIA (1941), 1953
PALM 3 AZIMUTH (1941), 1953
HAT (1941), 1953

T-11081

KIT (1941), 1953
EDD 19 (1943), 1953
EDD 20 (1943), 1953
EDD 21 (1943), 1953
ZAX (1941), 1953
GEM (1943), 1953
LOO (1941), 1953
D 92 (1943), 1953
BIT (1943), 1953
DIM (1943), 1953
SPY (1941), 1953

T-11083

NONE

T-11084

QUA (1943), 1953
RING (1943), 1953

T-11085

EDD 25, 1935 (USE), (1943) 1953
EDD 26, 1935 (USE), (1943) 1953
EDD 27, 1935 (USE), (1943) 1953
EDD 29, 1935 (USE), (1943) 1953
X 92 (1943), 1953
W 92 (1943), 1953
TANK, 1953

T-11086

BENCH MARK A (1944), 1953
EDD 10, 1935 (USE), (1943) 1953
EDD 1, 1935 (USE), (1944) 1953
BET (1944), 1953

T-11087

PAP (1944), 1953

12. OTHER INTERIOR FEATURES.

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

See attached TABLE I for bridge data.

There are two overhead cables crossing navigable water - one at the NEW PASS BRIDGE (T-11085) and one at the STICKNEY POINT BRIDGE (T-11086). Vertical clearance at the lowest point of the catenary is as follows:

Overhead cable at
NEW PASS BRIDGE - - - - - 96 feet above M.H.W.

Overhad cable at
STICKNEY POINT BRIDGE - - 74 feet above M.H.W.

13. GEOGRAPHIC NAMES.

Names were not systematically checked but care was taken during field inspection to see that no changes had occurred in the more prominent ones.

The only discrepancies noted with charted names are as follows:

SARASOTA KEY
SIESTA KEY - - This key - at approximate latitude 27° 15', longitude 82° 34' - has become widely known as SIESTA KEY and the name officially changed by the U. S. Board of Geographic Names at the request of Mr. E. S. Boyd and other interested citizens and officials of Sarasota County. A copy of the letter to Mr. Boyd, dated 10 July 1952, stating the action of the Board, is made a part of this report. BGN Dec

PHILLIPPE CREEK
PHILLIPPI CREEK - - Nautical Chart No. 1256, Planimetric Survey T-5851 and Topographic Quadrangle SARASOTA, FLORIDA, 4438 1 SE show the name spelled PHILLIPPE. Local maps and road signs spell the name PHILLIPPI. ← BGN Dec.

An investigation of the records of property transfer in the Sarasota County Courthouse failed to clear up the discrepancy, as in numerous instances the spelling differed on the deeds conveying the same tract of land to consecutive owners.

TABLE I

CLEARANCE

NAME OF BRIDGE Photo	SURVEY NO. T-	TYPE	HORIZONTAL BRIDGE BOOK Feet	HORIZONTAL C & G S MEASUREMENTS Feet	VERTICAL BRIDGE BOOK ABOVE H. W. Feet	VERTICAL C & G S MEASUREMENTS ABOVE M.H.W. Feet
CORTEZ BRIDGE 32-0-327	11081	Sw	E.Span 60 W.Span 60	E.Span 58.1 W.Span 59.6	8	8.6
BOLEES CREEK 37890	11084	F	Not listed	13.2		7.4
HUDSON BAYOU 37882 (First Bridge)	11085	B	30	30.4	7.5	7.0
HUDSON BAYOU 37882 (Second Bridge)	11085	F	Not listed	40.0		9.0
BRIDGE AT SOUTH END OF ST. ARMAND KEY 32-0-343	11085	F	Not listed	18.0		5.7
BRIDGE AT NORTH END OF ST. ARMAND KEY "	11085	F	Not listed	15.5		7.4
SIESTA KEY 37883	11086	Dble Leaf B	55	55.0	9.9	9.9
HAYDEN (STICKNEY POINT)	11086	Sw	E.Span 55 W.Span 55	E.Span 57.0 * W.Span 55.0	9.2	8.9
PHILLIPPE CREEK 37884 (U.S.Hwy 41)	11086	F	30	30.4	7.6	8.2
PHILLIPPE CREEK " (South Fork)	11086	F	30	30.0	7.6	8.2
PHILLIPPE CREEK " (Fla.State Hwy 72)	11086	F	Not listed	27.8		6.0
HANSON BAYOU	11086	F	30	29.5	5.5	5.8
						ABOVE M.H.W.S.
*RINGLING BRIDGE 37881	11085	Dble Leaf B	60	60.0	8	9.8
NEW PASS 32-0-341	11085	Dble Leaf B	110	111.3	12.5	14.6

*This is the constructional horizontal clearance. The navigable clearance does not extend to the bridge abutment by approximately 2 feet and will have to be determined by the hydrographer.

Abbreviations are those found in the List of Bridges

The fixed bridge at west end of causeway was not field inspected. H-8098 gives H.scale 1:5" V.scale = 10'

UNITED STATES
BOARD ON GEOGRAPHIC NAMES
Department of the Interior

Washington 25, D.C.

July 10, 1952

Mr. E. S. Boyd
Shell Road
Sarasota, Florida

My dear Mr. Boyd:

Further to our correspondence on the name Siesta Key/ Sarasota Key you will be interested to know that the Board on July 3 approved the name Siesta Key.

In the consideration of this case there arose one question upon which we would like to have further information. We note that at the northeast end of this Key, separated from the rest by Hansen Bayou, is a triangular piece of land about 1/2 mile on each side which is shown on the Corps of Engineers map as Bay Island. Is this considered a part of Sarasota Key? If so, is it also separately identified as Bay Island? We would also like to know the extent of the community known as Siesta.

Sincerely yours,

MEREDITH F. BURRILL
Executive Secretary

COPY

It was noted, however, that records of most recent date are consistent in spelling the name with a final "I".

The case, therefore, became one of consulting local citizens of long time residence and tracing the name to its origin. The following sources were contacted:

1. W. A. WYNNE, Clerk of Circuit Court, Sarasota County, Sarasota, Florida - 30 year resident.

2. G. C. ASHBY, County Tax Assessor, Sarasota County, Sarasota, Florida - 30 year resident.

3. GORDON HICKEL, Postmaster, Sarasota, Florida. Life-time resident.

4. The book "THE STORY OF SARASOTA" by Karl H. Grismer.

5. D. B. MC KAY, an historian of acknowledged authority for early Florida facts and traditions, 2405 Bayshore Blvd., Tampa, Florida.

6. C. C. WHITAKER, lawyer and former resident of Sarasota, 3503 Bayshore Blvd., Tampa, Florida.

7. RAYMOND R. SHEPPARD, Biologist, Florida State Board of Health, Sarasota, Florida - 6 year resident.

8. Official map of SARASOTA COUNTY, Florida, which was submitted on 28 September 1953 with a copy of this report.

It was the opinion of each source consulted that the name should be spelled PHILLIPPI; this spelling was used throughout the book (Reference No. 4).

One source stated that the creek was named for, or perhaps by, Count Odet Phillippi, kinsman of Napoleon and early settler of the Tampa Bay Area. It was known that Mr. D. B. MC KAY had done considerable research and published several articles regarding the activities of Count Phillippi. Mr. D. B. MC KAY produced a copy of the Will of Phillippi which showed the final letter to be unquestionably an "I" as it is clear and distinct.

Honorable C. C. WHITAKER, approximately 90 years of age, was consulted to determine if the creek was actually named for Count Phillippi. Mr. WHITAKER, whose father is considered to

have been the first white settler of Sarasota, was born at the present site of Sarasota and lived there during his early life. He remembers distinctly that the creek was named for the Count and believes that PHILLIPPI lived on its shores at one time.

The evidence that the final "I" is the correct spelling is believed to be conclusive and the name PHILLIPPI CREEK is recommended.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA.

Copy of Paragraph No. 13 forwarded on 28 September 1953.

Respectfully submitted

William H. Shearouse

William H. Shearouse
Cartographer

APPROVED AND FORWARDED:

J. E. Waugh

J. E. Waugh, Chief of Party

PHOTOGRAMMETRIC PLOT REPORT.

21. AREA COVERED.

Photogrammetric Plot Number 1 of Ph-100(52) was for parts of Maps T-11079, T-11082 and T-11087; and all of Maps T-11083, T-11084, T-11085 and T-11086. The maps cover the area on the West Coast of Florida from MIDNIGHT PASS north to ANNA MARIA KEY and MANATEE RIVER ENTRANCE.

The sketch on Page 20 of this report shows the arrangement of maps, the identified control, index of control and the centers of the photographs used.

22. METHOD.

Radial Plot:

Map Manuscripts. -- The map projections are on acetate at 1:10,000 scale, 3'45" in latitude and 7'30" in longitude. The 5,000 foot intervals of the Florida West Mercator Grid are shown in red.

The positions of the substitute stations were computed and all the control was plotted using beam compass and meter bar.

The base grids used for laying the plot were vinylite with the 5,000 foot interval at 1:10,000 scale. The control was transferred to the base grids from the manuscripts by matching the grid values and adjusting the scale differences.

Photographs: -- The photographs were nine-lens and single-lens ratio prints at approximately 1:10,000 scale. The single-lens prints are from 1:14,000 scale negatives taken with Cartographic Camera "0". All the photographs were taken on 11 February 1952.

The collimation marks in chamber 3 of the outer wing junctions with chambers 4 and 5 were burned out in some of the photographs. It is believed that the adjustments made were proper. (See copy of letter attached.)

The photographs used were:

Nine-lens:	34879 to 34897, incl.
Single-lens:	52-0-326 to 52-0-352, incl.

W.A.R.

Tampa Photogrammetric Office
P O Box 1669 Tampa Florida

16 July 1953

To: Chief, Division of Photogrammetry
U. S. Coast and Geodetic Survey
Department of Commerce Building
Washington 25, D. C.

Subject: Radial Plot - Project Fh-100A (52)

The subject radial plot has been completed within the limits of photographic coverage. In laying this plot, no difficulty was experienced except for those surveys that extend south of approximate Latitude 27° 17' (center of nine-lens photograph 3h88h) to the southern limit of the present photography. In this area, the large majority of the stations used for control were necessarily from the U. S. Engineers' surveys.

On the final assembly, adjustments as much as 0.3 mm had to be made in order to utilize all the control. It is expected that the entire plot, including the part under discussion, will meet standard specifications. Please note that the nine-lens photographs (Nos. 3h88h to 3h887, incl.) in the southern part of this flight are ones with missing collimation marks. A modification of the methods described in your letter of 15 June 1953, 711-mkd, for Project Fh-89 was used and no error in any of the control stations was isolated with the exception of OSPREY (RM5) 1935. This station shows on one photograph and only then on the wing. The identification of this station together with the apparent error will be investigated thoroughly upon receipt of the additional photography in the fall.

J. E. Waugh
CDR, USC&GS
Officer in Charge

JEW:mb

Templets: -- Vinylite templets were made from all the photographs. Master templet 36048, for photographs 34688 through 36110, was used to correct for paper distortion and transforming errors on the nine-lens photographs. The "0" templet was used to correct for distortion on the single-lens photographs.

Closure and adjustment to control: -- A preliminary plot indicated that all positively identified control would be held with the exception of Substitute Station OSPREY (USE), 1935, No. 51 on sketch on T-11088.

The final radial plot was begun with fixed nine-lens templets and progressed through weaker fixes until all the nine-lens templets were laid. The same procedure was followed with the single-lens templets. Some templet adjustments were made to achieve a tight plot. In the area south of approximate latitude 27° 17' a large majority of the control used was necessarily from U. S. Engineers survey and it was necessary to make small adjustments to the control in the photogrammetric plot. The only station considered seriously affected was Substitute Station OSPREY (USE), 1935 on T-11088. (See copy of letter attached. It is also discussed under Item 23.)

The photograph centers and pass points were transferred to the map manuscripts by matching grid values with the base grid and adjusting scale differences. Dog-ears were added for photograph centers that fall off the sheet limits but are needed for compilation.

23. ADEQUACY OF CONTROL.

Fifty (50) control stations were originally identified, all but two (2) positively, to control this photogrammetric plot. Three (3) more were identified and located after the plot was run to check two areas. Substitute Point HARD, 1953, No. 1 on sketch on T-11079, was identified and located after the plot and while the manuscript was being compiled. The radial plot position was within .15 mm (1.5 meters) of the field position. The two (2) other additional control stations, NORTHWEST 1878, No. 52 on sketch, and Substitute Point KEG 1878, No. 53 on sketch, were used to check the plot on the south end in the vicinity of Substitute Point OSPREY (USE), 1935, No. 51 on sketch, which could not be held.

see plot #2, p. 22, par. 3 and letter

When the templet for photograph 34886 was laid, Substitute Point OSPREY (USE), 1935 could not be held. Because the center of photographs 34886 and 34887 (see sketch) fall in

the water, it was necessary to provide additional control to fix photograph 34887. NORTHWEST 1878 "pricked direct", No. 52 on sketch, and Substitute Point KEG 1878, No. 53 on sketch, were identified and located. A field check was also made which corroborated the original identification and location of Substitute Point OSPREY (USE), 1935. By using NORTHWEST 1878 and Substitute Point KEG 1878, photograph 34887 was fixed, which provided a second cut to Substitute Point OSPREY (USE), 1935.

The radial plot position of Substitute Point OSPREY (USE), 1935 is about 3.2mm (32 meters) west of the field position. No explanation is possible except that the position of OSPREY (USE), 1935 furnished this office is in error.

Thirty-six (36) identified stations were substitute stations or "pricked direct" from Coast and Geodetic Survey triangulation or travers, of which seventeen (17) were located by triangulation in 1953.

Seventeen (17) identified stations were substitute stations or "pricked direct" from U. S. Engineers traverse stations, of which seven (7), prefixed AMBE, were from the "ANNA MARIA - LONGBOAT KEY Beach Erosion Study" traverse. An ozalid listing the positions of all the AMBE stations was used as source for the positions. It is noted that all the "AMBE" stations held on the plot.

Control was adequate for a good plot.

24. SUPPLEMENTAL DATA.

None.

25. PHOTOGRAPHY.

The nine-lens photographs and the single-lens were both of excellent contrast and definition. Some tilt was observed (nine-lens 34879 was the worst) but not severely enough to justify computation.

26. GENERAL.

Dates of completion of the photogrammetric plot by manuscripts are as follows:

T-11079	on 24 February 1953
T-11081	on 17 March 1953
T-11083 and T-11084	on 5 May 1953
T-11085	on 8 July 1953
T-11086	on 9 July 1953
T-11087, North half	on 9 July 1953

Respectfully submitted,

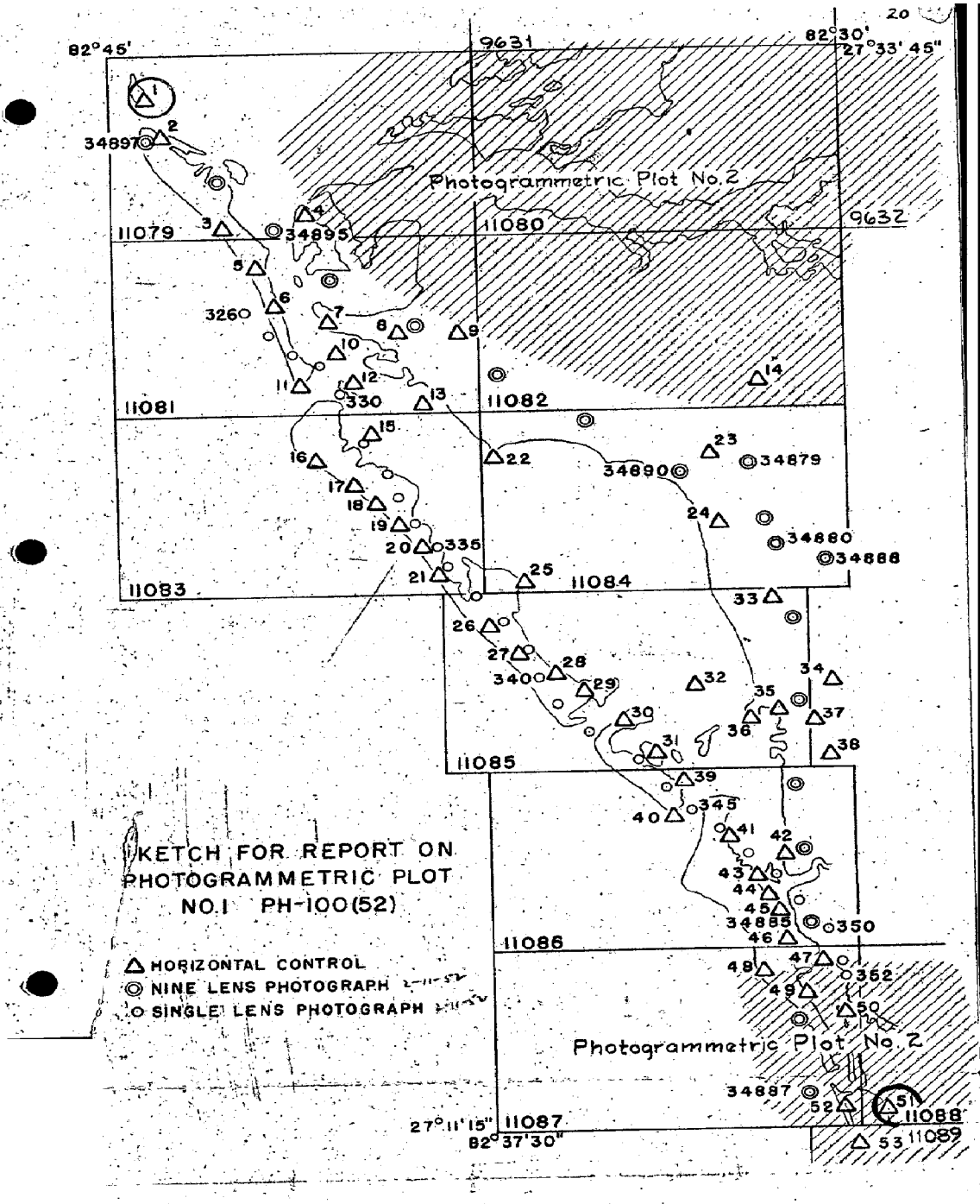
Milton M. Slavney

Milton M. Slavney, Cartographer
Tampa Photogrammetric Office

APPROVED AND FORWARDED: 1/15/54

J. E. Waugh

J. E. Waugh, Chief of Party



INDEX OF CONTROL

1. Sub. Pt. HARO, 1953
2. Sub. Pts. 1 & 2 FALK 3, 1924
3. Sub. Pt. 3 MARIA, 1934
4. Sub. Pt. FERICC 2, 1908
5. Sub. Pt. 2 MARIA, 1934
6. Sub. Pt. 1 MARIA, 1934
7. Sub. Pt. P 14-1, 1949
8. Sub. Pt. D 14-3, 1949
9. Sub. Pt. C 14-2, 1949
10. LONGBOAT INLET LT. 15, 1953
11. Sub. Pt. AMBE TR-19 (USE) 1946
12. LONGBOAT INLET LT. 16A, 1953
13. Sub. Pt. KEY, 1878
14. Sub. Pt. K-9, 1944
15. WEST CHANNEL LT. 19, 1953
16. Sub. Pt. AMBE TR-22 (USE) 1946
17. Sub. Pt. AMBE TR-23 (USE) 1946
18. Sub. Pt. AMBE TR-24 (USE) 1946
19. Sub. Pt. 1 AMBE TR-26 (USE) 1946
20. Sub. Pt. 2 AMBE TR-26 (USE) 1946
21. Sub. Pt. AMBE TR-27 (USE) 1953
22. Sub. Pt. JULE (1943) 1953
23. WHITFIELD ESTATES TANK, 1934
24. SCREEN, 1953
25. HOG (1943) 1953
26. Sub. Pt. TEMPORARY BANNER NO. 3, 1953
27. Sub. Pt. TEMPORARY BANNER IN TREE, 1953
28. LONG, 1953
29. Sub. Pt. TEMPORARY BANNER NO. 1, 1953
30. Sub. Pt. NEW PASS POWER POLE, SOUTH, 1952
31. SARASOTA, ST. ARMAND KEY TANK, 1952
32. SARASOTA BAY LT. 30, 1953
33. SARASOTA, STEPHENS POINT, TANK, 1952
34. Sub. Pt. NO. 1 SARAS, 1934
35. SARASOTA, ORANGE BLOSSOM HOTEL TANK, 1953
36. Sub. Pt. CAUSEWAY (USE) 1935
37. SARASOTA COUNTY COURTHOUSE DOME, 1934
38. SARASOTA MUNICIPAL TANK (SOUTH) 1953
39. Sub. Pt. PECK, 1953
40. END, 1953
41. Sub. Pt. CANAL (USE) 1935
42. Sub. Pt. YOUNG 2, 1908
43. Sub. Pt. MARTIN (USE) 1935
44. Sub. Pt. FIELDS (USE) 1935
45. SWING (USE) 1935
46. Sub. Pt. STICKNEY (USE) 1935
47. Sub. Pt. CRAWFORD (USE) 1935
48. Sub. Pt. ROCKS 2, 1935
49. Sub. Pt. ASHBY (USE) 1935
50. Sub. Pt. VALO (USE) 1935
51. Sub. Pt. OSPREY (USE) 1935
52. NORTHWEST, 1878
53. Sub. Pt. KEG, 1878

PHOTOGRAMMETRIC PLOT REPORT.

21. AREA COVERED.

Photogrammetric Plot Number 2, of Ph-100(52), extended northeast from the north end of Plot Number 1 and south of the south end of Plot Number 1. Parts of maps T-11079 and T-11082, and all of maps T-9631, T-9632 and T-11080, comprised the northern portion of this plot. Parts of T-11087 and all the shoreline area of T-11088, T-11089 and T-11090 comprised the southern portion of this plot.

The sketch on page 24 of this report shows the arrangement of maps, the identified control, index of control, the centers of the photographs used and the limits of this plot.

22. METHOD.

Map manuscripts: -- The map projections are 3' 45" in latitude and 7' 30" in longitude at 1:10,000 scale. The 5,000 foot intervals of the Florida West Mercator Grid are shown in red. The map projections for T-9631 and T-9632 are on vinylite, all the other projections for Ph-100 are on acetate.

The positions of the substitute stations were computed and all the control was plotted using beam compass and meter bar.

The base grids used for laying the plot were vinylite with the 5,000 foot interval at 1:10,000 scale. The control was transferred to the base grids from the manuscripts by matching the grid values and adjusting the scale differences.

Photographs: -- The photographs were nine-lens taken on 1 December 1953 at approximately 1:10,000 scale.

The photographs used were:

42724 to 42741, inclusive
42744 to 42760, inclusive
42796 to 42804, inclusive
42810 to 42814, inclusive.

Templets: -- Vinylite templets were made from all the photographs. 1953 Master Templet for photographs 40261 through 43154 was used for transforming errors and paper distortion

Closure and adjustment to control: -- This plot was extended well into the area covered by Photogrammetric Plot Number 1

to insure proper junction. Pass points and control from Plot Number 1 were transferred to the photographs and base grids used in this plot.

The northern portion of this plot was run first. After a preliminary radial plot indicated that all control would be held, the final plot was run conventionally. All control was held and very good juncture was made with Photogrammetric Plot Number 1.

A preliminary radial plot for the southern portion of this plot revealed that all control would be held excepting Substitute Station OSPREY (USE) 1935 (positive),Number 32 on sketch, and V-230/00 (USE) 1938 (doubtful), Number 42 on sketch. This preliminary plot corroborated the position of Substitute Station OSPREY (USE) 1935, about 30 meters west of the computed position, ascertained on Photogrammetric Plot Number 1. A positively identified substitute station was located for V-230/00 (USE) 1938 in lieu of the original "doubtful direct" identification before the final plot was run.

The final radial plot was run starting with the most strongly fixed templets through weaker fixes to completion. While the plot was being run, a new position for OSPREY (USE), 1935 was received from the U. S. Engineers which gave an "X" coordinate 100 feet (30.5 meters) smaller than the value originally furnished this office. The new coordinates for OSPREY almost exactly coincided with the position ascertained on the two photogrammetric plots for this project. Substitute Station V-230/00 (USE) 1938 was held on the final plot and checked the original discrepancy in the "direct" identification of the station. Very good junction was made with Photogrammetric Plot Number 1.

23. ADEQUACY OF CONTROL.

Forty-two (42) control stations were identified to control this plot. Some of these had been identified for Plot Number 1 on the 1952 photographs but little trouble was encountered in transferring to the new photographs. Two traverses, A and D, were run by the field party to provide control in T-9632.

Control was adequate for a good plot. Close cooperation by the field party pin pointed additional control and substitute points where they would give the best support for the plot.

All the control was held on the final plot. The discrepancy in the radial plot position of Substitute Point OSPREY (USE) 1935 with the field position was resolved with the receipt of the corrected position of OSPREY from the U. S. Engineers Office in Jacksonville. (See copy of letter attached).

COPY

SAKSL - 812.3 28 July 1954

Department of Commerce
U. S. Coast and Geodetic Survey
Tampa Photogrammetric Office
P. O. Box 1689
Tampa, Florida

Attention: Mr. Ira R. Rubottom

Gentlemen:

Reference is made to your letter to this office, subject "Positions of U. S. Engineers horizontal control in the vicinity of Little Sarasota Bay", dated 21 July 1954.

Inclosed are description cards for the 1935 and 1938 stations listed in your letter, on which there are adjusted coordinates. A typing error was discovered in "X" coordinate on the card for station "OSPREY", which was corrected from 339,672.30 to 339,572.30. This is mentioned in case you were given the coordinate found to be in error.

Inclosed, also, are 78 additional description cards for stations located between Venice and Fort Myers along the Intracoastal Waterway, and along the Caloosahatchee and Myakka Rivers. Adjusted coordinates are shown on these cards with the following exceptions:

a. SOUTH BASE - not adjusted
b. LOWER MYAKKA RIVER - Preliminary coordinates for 11 stations. These coordinates are the result of a system of triangulation that was never closed to a fixed position or azimuth upstream, the project being abandoned before completion.

There are a number of stations along the Intracoastal Waterway for which there are no description cards, and for most of them, no adjusted coordinates. Inclosed are five sheets of the map, Drawing No. 41-12,208. Sheets 2 and 3 show the entire control system along the Intracoastal Waterway from Venice to the Caloosahatchee River. Sheets 115, 116 and 117 show larger scale topography in the vicinity of the stations. Coordinates shown on these five sheets are preliminary. There are shown, in red, on Sheet 3, adjusted coordinates for five stations for which there are no description cards. These five stations together with the stations covered by the inclosed description cards are all of the stations in the area covered by the inclosed map sheets 2 and 3 for which adjusted coordinates are available in this office.

FOR THE ACTING DISTRICT ENGINEER:

Sincerely yours,

Jack E. Harns
Chief, Engineering Division

2 Incls:

* COPY * * *

24. SUPPLEMENTAL DATA.

None.

25. PHOTOGRAPHY.

The nine-lens photographs were of excellent contrast and definition. Some tilt was observed but none severely enough to justify computation.

26. GENERAL.

Dates of completion of the photogrammetric plot by manuscripts are as follows:

T-11079	on 11 March 1954
T-11082	on 12 March 1954
T-9631	on 16 March 1954
T-9632 and T-11080	on 18 March 1954
T-11087 and T-11088	on 2 August 1954
T-11089 and T-11090	on 6 August 1954

Respectfully submitted

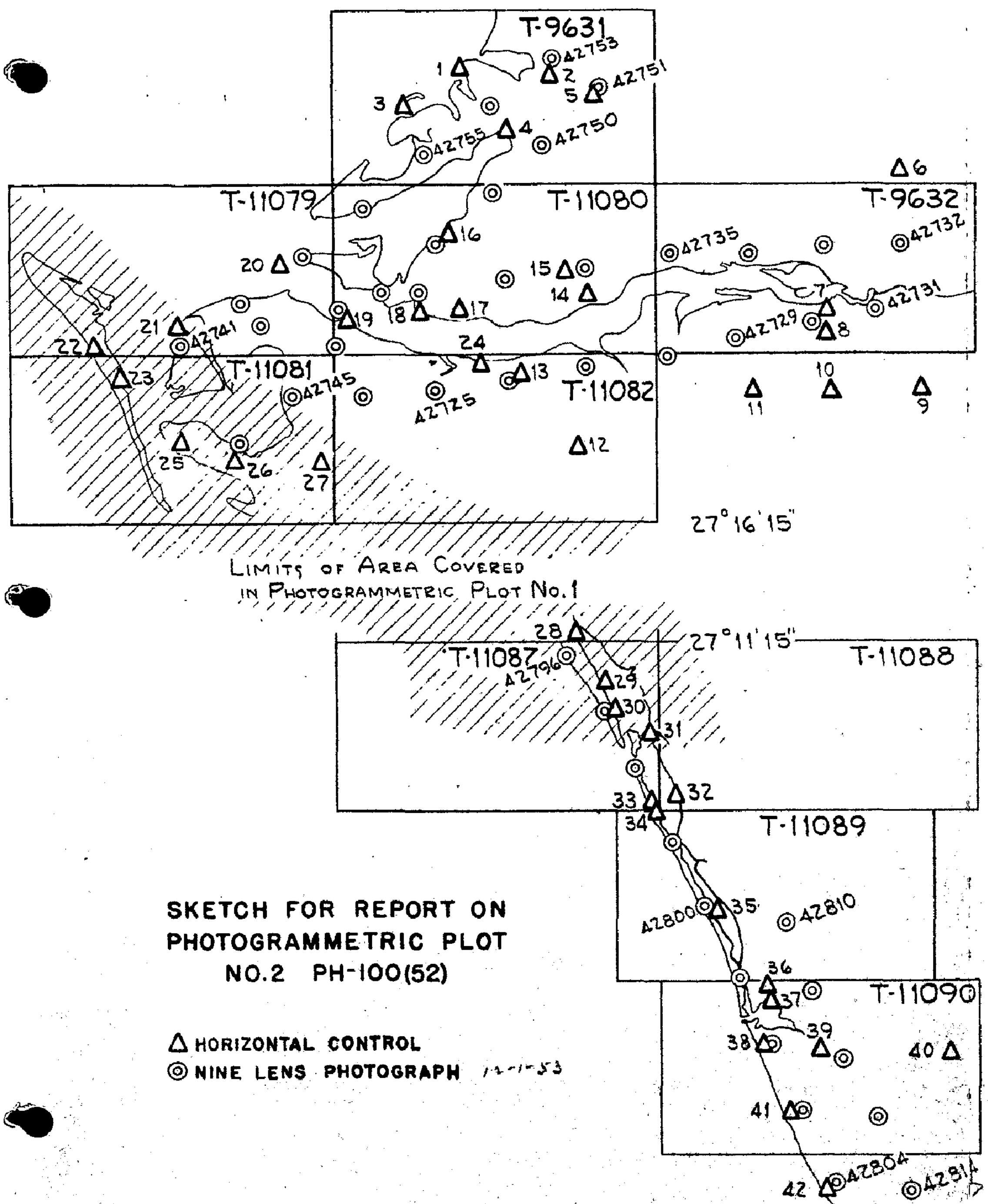
Milton M. Slavney

Milton M. Slavney, Cartographer
Tampa Photogrammetric Office

APPROVED AND FORWARDED:

William A. Rasure

for Ira R. Rubottom, Chief of Party



SKETCH FOR REPORT ON PHOTOGRAMMETRIC PLOT NO. 2 PH-100(52)

△ HORIZONTAL CONTROL
◎ NINE LENS PHOTOGRAPH

12-1-53

INDEX OF CONTROL

1. Substitute Point [illegible]-126 (FLA. [illegible]) 1939
2. Substitute Point [illegible] (FLA. [illegible]) 1939
3. Substitute Point [illegible] ([illegible]) [illegible]
4. Substitute Point [illegible]-103 (FLA. [illegible]) 1939
5. Substitute Point [illegible]
6. Substitute Point [illegible], 1954
7. Substitute Point [illegible], 1954
8. Substitute Point [illegible], 1954
9. Substitute Point [illegible], 1954
10. [illegible], 1954
11. Substitute Point [illegible]-11, 1954
12. Substitute Point [illegible], 1954
13. [illegible] SILVER [illegible] MUNICIPAL WATER TANK, 1934
14. ELLENTON BLACK MUNICIPAL WATER TANK, 1934
15. Substitute Point [illegible]-195 (FLA. [illegible]) 1939
16. [illegible] FRUIT COMPANY [illegible] WATER TANK, 1934
17. PALMETTO MUNICIPAL POWER PLANT SILVER WATER TANK, 1934
18. Substitute Point [illegible], 1925
19. Substitute Point [illegible], 1925
20. Substitute Point [illegible], 1925
21. Substitute Point [illegible] 2, 1908
22. Substitute Point [illegible], 1934
23. Substitute Point [illegible] MARIA, 1934
24. BRADENTON, FLORIDA POWER CORPORATION WHITE STACK, 1934
25. Substitute Point [illegible], 1949
26. Substitute Point [illegible], 1949
27. Substitute Point [illegible], 1949
28. Substitute Point [illegible] (USE), 1935
29. Substitute Point [illegible] 2 [illegible] (USE), 1935
30. Substitute Point [illegible] 1 ASHBY (USE), 1935
31. Substitute Point [illegible] (USE), 1935
32. Substitute Point [illegible] (USE), 1935
33. NORTHWEST, 1878
34. Substitute Point [illegible], 1878
35. Substitute Point CAMP (USE), 1935
36. Substitute Point DONA (USE), 1935
37. DONA (USE), 1935
38. Substitute Point VENICE, 1934
39. VENICE MUNICIPAL TANK, 1934
40. Substitute Point [illegible], 1934
41. Substitute Point V-[illegible]+00 (USE), 1938
42. Substitute Point V-[illegible]+00 (USE), 1938

Photogrammetry

MAP T-9631 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
DC 110 (Fla.Geod. Survey,) 1939	Manatee County Pge 3	N.A. 1927	1,188,012.74	3,012.7 (1,987.3)			
			325,149.53	149.5 (4,850.5)			
GILLETTE AZ.MARK (Fla.Geod.Survey) 1934, 1939	"	"	1,184,438.30	4,438.3 (561.7)			
	"		329,182.30	4,182.3 (817.7)			
DC 104 (Fla.Geod. Survey), 1939	" Pge 2	"	1,179,600.34	4,600.3 (399.7)			
			316,582.49	1,582.5 (3,417.5)			
DC 103 (Fla.Geod. Survey), 1939	"	"	1,180,773.81	773.8 (4,226.2)			
	"		318,947.38	3,947.4 (1,052.6)			
DC 111 (Fla.Geod. Survey), 1939	" Page 3	"	1,187,969.01	2,969.0 (2,031.0)			
			323,295.55	3,295.6 (1,704.4)			
GILLETTE, 1934	G.P's Pge 117	"	27 35 39.597			1,218.8 (628.0)	
			82 31 39.418			1,081.1 (564.5)	
~~DICE (Fla.S.R.D.) 1953~~	~~Fla.State Rd.Dept.~~	~~"~~	~~1,180,324.41~~	~~324.4 (4,675.6)~~			
			~~302,729.74~~	~~2,729.7 (2,270.3)~~			
DC 126 (Fla.Geod Survey), 1939	Manatee County Pge 3	"	1,189,542.87	4,542.9 (457.1)			
			312,829.77	2,829.8 (2,170.2)			
JOE (USE), 1933	Ltr fr USE 3/5/54	"	1,185,187.68	187.7 (4,812.3)			
			306,572.02	1,572.0 (3,428.0)			
DICE, 1954 (n.d.)	Field Comp.	"	27 34 46.794			1,440.3 (406.5)	
			82 36 32.281			885.4 (760.3)	

1 FT.=.3048006 METER

COMPUTED BY: R.J.Pate DATE 1 March 1954 CHECKED BY: M. M. Slavney DATE 1 March 1954

M-2388-12

MAP T- 9632 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
PARR, 1954	Field Comp.	N.A. 1927	1,174,556.90	4,556.9 (443.1)	North of Sheet		
			367,460.52	2,460.5 (2,539.5)			
CORNER, 1954	"	"	1,156,027.41	1,027.41 (3,972.59)			
			359,400.29	4,400.29 (599.71)			
A-09, 1954 (n.m.)	"	"	1,145,655.57	655.57 (4,344.43)	South of Manuscript		
			359,303.33	4,303.33 (696.67)			
WHARFF, 1954	"	"	1,151,849.62	1,849.62 (3,150.38)			
			359,384.75	4,384.75 (615.25)			

1 FT. = .3048006 METER

COMPUTED BY: M.M.Slavney DATE 31 March 1954 CHECKED BY: R.J.Pate DATE 31 March 1954

M-2388-12

Photogrammetry

MAP T-11079 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
PALM 3, 1924	G.P.'s Pg 198	N.A. 1927	27 32 12.599			387.8 (1,459.0)	
			82 44 21.294			584.3 (1,062.1)	
PERICO 2, 1908	" Pg 725	"	27 30 38.460			1,183.8 (663.0)	
			82 41 08.432			231.4 (1,415.3)	
SNEADS, 1925	" Pg 726	"	27 31 53.822			1,656.6 (190.2)	
			82 38 47.997			1,317.0 (329.4)	
SHAW, 1925	" Pg 726	"	27 31 28.807			866.7 (960.1)	
			82 38 29.863			819.5 (827.0)	
MANATEE 2, 1908	" Pg 725	"	27 31 54.356			1,673.1 (173.7)	
			82 38 47.592			1,305.9 (340.5)	
HARD, 1953	Field Comp.	"	27 33 04.954			152.5 (1,694.3)	
			82 44 25.795			707.7 (938.4)	
~~GIL (Fla.S.R.D.) 1953~~	~~Fla. S.R.D.~~	"	~~1,173,141.47~~	~~3,141.5 (1,858.5)~~			
			~~297,263.51~~	~~2,263.5 (2,736.5)~~			
GIL, 1954 (n.d.)	Fld Comp	"	27 33 35.398			1,089.6 (757.2)	
			82 37 32.619			894.9 (751.2)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: I.I.Saperstein DATE 9 Jan. 1953 CHECKED BY: M.M.Slavney DATE 16 Jan. 1953

MAP T- 11080 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
PEEP, 1925	G.P's Pge 726	N.A. 1927	27 30 52.978			1,630.7 (216.1)	
			82 35 30.503			837.1 (809.6)	
PALMETTO MUN. POWER PLANT, SILVER WATER TANK, 1934	" Pge 216	"	27 30 56.546			1,740.5 (106.3)	
			82 34 34.836			956.0 (690.7)	
MANATEE, FRUIT CO. (1½ mi. N of Palmetto) BLACK W.T., 1934	" Pge 216	"	27 32 32.660			1,005.3 (841.5)	
			82 34 50.530			1,386.4 (259.9)	
ELLENTON, BLACK MUN. WATER TANK, 1934	" Pge 217	"	27 31 13.604			418.7 (1,428.1)	
			82 31 40.439			1,109.8 (536.8)	
DC 105 (Fla. Geod. Survey), 1939	Manatee County F.G.S.	"	Y = 1,159,024.8	4,024.8 (975.2)			
			X = 326,288.9	1,288.9 (3,711.1)			
DC 106 (Fla. Geod. Survey), 1939	"	"	Y = 1,159,009.3	4,009.3 (990.7)			
			X = 325,319.8	319.8 (4,680.2)			
PALMETTO, SCHOOL-HOUSE, DOME, 1908	G.P's Pge 730	"	27 31 03.074			94.6 (1,752.2)	
			82 34 32.038			879.3 (767.4)	
PALMETTO, CHURCH, TALL THIN SPIRE, 1908	" Pge 730	"	27 30 51.899			1,597.5 (249.3)	
			82 34 37.269			1,022.8 (623.9)	
FOG, 1925	" Pge 726	"	27 30 08.968			276.0 (1,570.8)	
			82 35 26.147			717.7 (929.2)	
MC NEIL, 1925	" Pge 726	"	27 30 48.829			1,503.0 (343.8)	
			82 37 11.453			314.3 (1,332.4)	

1 FT. = .3048006 METER

COMPUTED BY: M.M.Slavney DATE 15 February 1954 CHECKED BY: R. J. Pate DATE 16 February 1954

M-2388-12

MAP T-11081 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
MARIA, 1934	G.P.'S Pg 198	N.A. 1927	27 28 38.360			1,180.7 (666.1)	
			82 42 13.040			358.0 (1,289.2)	
C 14-2, 1949	" Pg 841A	"	27 27 44.909			1,382.3 (464.5)	
			82 37 55.357			1,520.0 (127.5)	
D 14-2, 1949	" "	"	27 27 40.428			1,244.4 (602.4)	
			82 38 54.615			1,499.6 (147.9)	
~~D 14-2, 1949~~	~~"~~ ~~"~~	~~"~~	~~27 27 40.817~~			~~1,256.3 (590.4)~~	
			~~82 39 53.082~~			~~1,457.5 (190.0)~~	
E 14-2, 1949	" "	"	27 27 40.817			1,256.3 (590.4)	
			82 39 53.082			1,457.5 (190.0)	
F 14-2, 1949	" "	"	27 28 08.433			259.6 (1,587.2)	
			82 41 21.258			583.7 (1,063.7)	
KEY, 1878	" Pg 784	"	27 26 19.383			596.6 (1,250.2)	
			82 38 39.199			1,076.6 (571.3)	
CORTEZ, 1908	" "	"	27 27 45.970			1,415.0 (431.8)	
			82 41 02.139			58.7 (1,588.7)	
FULFORD'S, WM., HOUSE, SOUTH CHIMNEY, 1908	Sp.Pub.16 Pg 21	N.A.	27 27 58.97	1,815.1 (31.7)	- 7.8	1,807.3 (39.5)	
			82 41 06.26	171.9 (1,475.5)	+ 1.3	173.2 (1,474.2)	
AMEE TR-15, (USE) 1946	U.S.E.	N.A. 1927	1,137,461.51	2,461.51 (2,538.49)			
			273,783.66	3,783.66 (1,216.34)			
AMEE TR-16 (USE) 1946	"	"	1,136,588.35	1,588.35 (3,411.65)			
			274,079.40	4,079.40 (920.60)			
LONGBOAT INLET LIGHT 15, 1953	Comp.	"	27 27 22.82			702.3 (1,144.5)	
			82 41 01.66			45.5 (1,602.0)	

1 FT. = .3048006 METER

COMPUTED BY: I. I. Saperstein DATE 12 January 1953 CHECKED BY: M. M. Slavney DATE 16 January 1953

M-2388-12

Photogrammetry

MAP T- 11081 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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 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)
LONGBOAT LIGHT 16A, 1953	Comp.	N.A. 1927	27 26 44.45 82 40 45.52			1,368.0 (478.8) 1,250.0 (397.7)	
AMBE TR 19 (BSE) 1946	U.S.E.	"	1,131,416.21 276,263.82	1,416.21 (3,583.79) 1,263.82 (3,736.18)			
MARIA, AZIMUTH MARK, 1934	G.P.'s Pg 841	"	27 28 29.637 82 42 07.520			912.2 (934.6) 206.5 (1,440.8)	
ANNA MARIA S E BASE 2, 1908	" Pg 218	"	27 28 33.07 82 42 11.19			1,018.9 (827.9) 307.2 (1340.0)	
AMBE TR 14 (USE) 1946	U.S.E.	"	1,139,859.60 273,103.38	4,859.60 (140.40) 3,103.38 (1,896.62)			

1 FT. = .3048006 METER

COMPUTED BY: I. I. Saperstein DATE 7 April 1953 CHECKED BY: M. M. Slavney DATE 7 April 1953

M-2388-12

Photogrammetry

MAP T-11082 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
K 9, 1944	G.P.'s Pg 842	N.A. 1927	27 26 49.183 82 31 49.541			1,513.8 (332.9) 1,360.5 (287.2)	
BRADENTON MUN. PUMPING STATION SILVER W.T., 1934	" Pg 216	"	27 29 35.548 82 33 53.501			1,094.2 (752.6) 1,468.6 (178.4)	
BRADEN, 1934	" Pg 198	"	27 29 41.889 82 34 21.445			1,289.3 (557.5) 588.6 (1,058.4)	
BRADENTON, FLA. POWER CORP., WHITE STACK, 1934	" Pg 216	"	27 29 44.960 82 34 01.538			1,383.9 (462.9) 42.2 (1,604.8)	
MANAT, 1934	" Pg 117	"	27 27 55.591 82 31 49.831			1,711.1 (135.7) 1,368.2 (279.2)	
MANATEE, SILVER MUN. W.T., 1934 (MAN 1925)	" Pg 217	"	27 29 30.265 82 33 12.488			931.6 (915.2) 342.8 (1,304.2)	
BRADENTON, MUN. W.T., WEST, 1954	Field Comp	"	27 29 38.90 82 35 24.73			1,197.3 (649.5) 678.8 (968.2)	
J 9, 1944 R. M. NO. 1	Field Comp	"	27 26 45.241 82 30 32.881			1,392.5 (454.3) 903.0 (744.7)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY I. I. Saperstein DATE 22 April 1953 CHECKED BY M. M. Slavney DATE 23 April 1953

Photogrammetry

MAP T- 11083 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
AMBE TR 22 (USE) 1946	USE Positions converted	N.A. 1927	27 25 32.528 82 40 40.615			1,001.2 (845.6) 1,115.6 (532.4)	
AMBE TR 23 (USE) 1946	"	"	27 25 19.816 82 40 16.261			609.9 (1,236.8) 446.7 (1,201.4)	
AMBE TR 24 (USE) 1946	"	"	27 24 52.379 82 39 45.609			1,612.2 (234.6) 1,252.9 (395.3)	
AMBE TR 26 (USE) 1946	"	"	27 23 53.397 82 38 57.895			1,643.5 (203.2) 1,590.5 (57.8)	
AMBE TR 27 (USE) 1946	USC&GS 1953 Triang.	"	27 23 13.671 82 38 27.212			420.8 (1,426.0) 747.7 (900.9)	
WEST CHANNEL LIGHT 19, 1953	Comp.	"	27 26 03.55 82 40 23.74			109.3 (1,737.4) 651.9 (996.0)	
SARASOTA BAY DAYBEACON 20B, 1953	Triang. 1953	"	27 25 20.259 82 39 29.054			623.6 (1,223.2) 798.0 (850.0)	
WEST CHANNEL LIGHT 21, 1953	"	"	27 25 21.356 82 39 27.771			657.3 (1,189.4) 762.8 (885.3)	
SARASOTA BAY DAYBEACON 22, 1953	"	"	27 24 39.102 82 38 33.557			1,203.5 (643.2) 921.8 (726.4)	
SARASOTA BAY DAYBEACON 20C, 1953	"	"	27 24 54.690 82 38 55.221			1,683.3 (163.4) 1,516.9 (131.3)	
SARASOTA BAY DAYBEACON 25, 1953	"	"	27 24 27.486 82 37 47.317			846.0 (1,000.7) 1,299.8 (348.4)	
LONG BAR SHOAL DAYBEACON 23, 1953	Triang 1953	"	27 24 27.195 82 38 14.761			837.0 (1,009.7) 405.5 (1,242.8)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: I. I. Saperstein DATE 24 April 1953 CHECKED BY: W. A. Rasure DATE 24 April 1953

Photogrammetry

MAP T-11083 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
SOUTH ENTRANCE RANGE FRONT DAY-BEACON 24, 1953	Triang. 1953	N.A. 1927	27 24 23.117 82 38 11.532			711.5 (1,135.2) 316.8 (1,331.5)	
WEST CHANNEL SOUTH RANGE FRONT LIGHT 26, 1953	"	"	27 24 21.427 82 38 07.908			659.5 (1,187.2) 217.2 (1,431.1)	
SOUTH ENTRANCE RANGE REAR DAY-BEACON, 1953	"	"	27 24 20.868 82 38 39.765			642.3 (1,204.4) 1,092.4 (555.9)	
TOM, 1878	G.P.'s Pg 784	"	27 25 07.723 82 39 20.646			237.7 (1,609.0) 567.1 (1,081.0)	
WHALE KEY, 1908	" Pg 786	"	27 23 35.587 82 37 39.024			1,095.3 (751.4) 1,072.2 (576.3)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: I. I. Saperstein DATE 24 April 1953 CHECKED BY: W. A. Rasure DATE 24 April 1953

Photogrammetry

MAP T- 11084 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
WHITFIELD ESTATES, TANK, 1934	G.P.'s Pg 218	N.A. 1927	27 25 13.514			415.9 (1,430.8)	
			82 33 39.088			1,073.7 (574.4)	
SCREEN, 1953	Triang. 1953	"	27 23 34.342			1,057.0 (789.7)	
			82 33 44.844			1,232.1 (416.4)	
JULE (1943) 1953	"	"	27 25 32.258			992.9 (853.9)	
			82 37 16.625			456.6 (1,191.4)	
SARASOTA, RINGLING MANSION, CUPOLA, 1953	"	"	27 22 57.240			1,761.8 (85.0)	
			82 33 52.565			1,444.3 (204.3)	
HOG (1943) 1953	"	"	27 22 39.846			1,226.4 (620.3)	
			82 36 56.873			1,562.8 (85.9)	
SARASOTA BAY LIGHT 28, 1953	"	"	27 24 27.980			861.2 (985.5)	
			82 37 06.558			180.2 (1,468.1)	
WEST CHANNEL SOUTH RANGE REAR LIGHT, 1953	"	"	27 23 47.895			1,474.2 (372.6)	
			82 37 22.621			621.5 (1,027.0)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: I. I. Saperstein DATE 17 February 1953 CHECKED BY: M. M. Slavney DATE 17 February 1953

Photogrammetry

MAP T 11085 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
SARAS, 1934	G.P.'s Pg 118	N.A. 1927	27 20 53.378 82 31 08.370			1,642.9 (203.8) 230.1 (1,419.1)	
SARASOTA, STEPHENS POINT TANK, 1952	" Pg 907	"	27 22 26.124 82 32 58.408			804.1 (1,042.7) 1,605.0 (43.7)	
SARASOTA, ST. ARMAND KEY, TANK, 1952	"	"	27 19 09.591 82 34 37.662			295.2 (1,551.5) 1,035.4 (614.1)	
EAST CAUSEWAY (USE) 1935	U.S.E. Position	"	1,090,301.34 320,967.29	301.34 (4,698.66) 967.29 (4,032.71)			
SARASOTA BAY LIGHT 30, 1953	Triang. 1953	"	27 20 41.594 82 33 53.166			1,280.2 (566.5) 1,461.3 (187.8)	
SARASOTA MUNICIPAL TANK (SOUTH) 1953	"	"	27 19 02.281 82 31 48.760			70.2 (1,776.5) 1,340.6 (309.0)	
SARASOTA, ORANGE BLOSSOM HOTEL, TANK, 1953	"	"	27 20 05.083 82 32 37.883			156.4 (1,690.3) 1,041.4 (608.0)	
NEW PASS POWER POLE, SOUTH, 1953	"	"	27 19 53.892 82 34 53.374			1,658.7 (188.0) 1,467.3 (182.1)	
TEMPORARY BANNER NO. 1, 1953	"	"	27 20 23.541 82 35 28.942			724.6 (1,122.1) 795.6 (853.7)	
LONG, 1953	"	"	27 20 52.409 82 36 09.384			1,613.1 (233.6) 257.9 (1,391.2)	
BIRD KEY (USE) 1935	U.S.E.	"	1,085,286.38 318,088.50	286.4 (4,713.6) 3,088.5 (1,911.5)			
WEST CAUSEWAY (USE) 1935	"	"	1,088,772.14 318,382.51	3,772.1 (1,227.9) 3,382.5 (1,617.5)			

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: I. I. Saperstein DATE 17 February 1953 CHECKED BY: M. M. Slavmey DATE 11 June 1953

Photogrammetry

MAP T- 11085 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
RING, 1953	Triang. 1953	N.A. 1927	27 20 01.102 82 35 18.978			33.9 (1,812.8) 521.7 (1,127.7)	
TERRACE, 1934	G.P.'s Pg 199	"	27 20 05.897 82 31 51.112			181.5 (1,665.2) 1,405.1 (244.3)	
BARGE CHANNEL RANGE FRONT LIGHT 9, 1953	Triang. 1953	"	27 20 15.421 82 34 32.853			474.6 (1,372.1) 903.1 (746.2)	
SARASOTA, WSPB RADIO MAST, 1953	"	"	27 20 11.179 82 34 22.385			344.1 (1,502.7) 615.3 (1,034.0)	
TEMPORARY BANNER IN TREE, 1953	"	"	27 21 18.409 82 36 48.188			566.6 (1,280.1) 1,324.4 (324.6)	
SARASOTA, PAYNE TERMINAL STACK, 1953	"	"	27 20 45.759 82 32 55.598			1,408.4 (438.3) 1,528.2 (121.0)	
SARASOTA, MUNICIPAL TANK (NORTH) 1953	"	"	27 20 42.411 82 32 24.208			1,305.4 (541.3) 665.4 (983.8)	
SARASOTA, WKXY RADIO MAST, ANTENNA, 1953	"	"	27 20 36.693 82 31 10.820			1,129.4 (717.3) 297.4 (1,351.8)	
BIG SARASOTA PASS LIGHT 22, 1953	"	"	27 19 39.045 82 33 15.466			1,201.8 (644.9) 425.2 (1,224.3)	
NEW PASS 3, 1944, 1953	"	"	27 20 19.304 82 35 05.426			594.1 (1,252.6) 149.2 (1,500.1)	
TEMPORARY BANNER NO. 3, 1953	"	"	27 21 57.280 82 37 00.012			1,763.0 (83.7) 0.3 (1,648.6)	
SARASOTA COUNTY COURTHOUSE, DOME, 1934	G.P.'s Pg 218	"	27 20 08.591 82 31 50.312			264.4 (1,582.3) 1,383.0 (266.3)	

1 FT. = .3048006 METER

COMPUTED BY I. I. Saperstein DATE 23 April 1953 CHECKED BY Wm. A. Rasure DATE 24 April 1953

M-2388-12

Photogrammetry

MAP T-11085 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
BIG SARASOTA PASS LIGHT 19, 1953	Triang. 1953	N.A. 1927	27 18 47.622 82 33 16.796	1,465.7 (381.0) 461.8 (1,187.9)			

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: R. J. Pate DATE 11 June 1953 CHECKED BY: M. M. Slavney DATE 11 June 1953

Photogrammetry

MAP T- 11086 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
PECK, 1953	3 Point Fix	N.A. 1927	27 18 39.195 82 34 07.014			1,206.4 (640.4) 192.9 (1,456.9)	
BIG SARASOTA PASS LIGHT 5, 1953	Triang. 1953	"	27 16 55.589 82 34 12.030			1,711.0 (135.8) 330.8 (1,319.3)	
END, 1953	"	"	27 17 54.970 82 33 58.518			1,691.9 (154.8) 1,609.1 (40.8)	
YOUNG 2, 1908	G.P.'s Pg 787	"	27 16 43.766 82 32 23.592			1,347.1 (499.7) 648.9 (1,001.3)	
CANAL (USE) 1935	U.S.E.	"	1,073,551.42 320,766.11	3,551.42 (1,448.58) 766.11 (4,233.89)			
MARTIN (USE) 1935	"	"	1,068,393.80 323,306.56	3,393.80 (1,606.20 3,306.56 (1,693.44)			
EWING (USE) 1935	"	"	1,063,287.80 325,563.30	3,287.80 (1,712.20) 563.30 (4,436.70)			
FIELDS (USE) 1935	"	"	1,065,708.17 324,372.09	708.17 (4,291.83) 4,372.09 (627.91)			
STICKNEY (USE)1935	"	"	1,061,074.73 327,672.16	1,074.73 (3,925.27) 2,672.16 (2,327.84)			
KEITH (USE) 1935	"	"	1,067,384.28 325,955.96	2,384.28 (2,615.72) 955.96 (4,044.04)			
CHEROKEE (USE) 1935	"	"	1,080,708.68 324,473.34	708.68 (4,291.32) 4,473.34 (526.66)			

1 FT. = .3048006 METER

COMPUTED BY M. M. Slavney DATE 22 April 1953 CHECKED BY I. I. Saperstein DATE 23 April 1953

M-2388-12

Photogrammetry

MAP T- 11087 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
ROCKS 2, 1935	G.P.'s Pg 167	N.A. 1927	27 14 30.696 82 31 59.450			944.8 (901.9) 1,635.6 (15.1)	
VAMO (USE) 1935	U.S.E.	"	1,047,751.27 336,727.98	2,751.27 (2,248.73) 1,727.98 (3,272.02)			
ASHBY (USE) 1935	"	"	1,054,286.79 330,856.75	4,286.79 (713.21) 856.75 (4,143.25)			
CRAWFORD (USE) 1935	"	"	1,056,708.51 333,290.25	1,708.51 (3,291.49) 3,290.25 (1,709.75)			
LISP (USE) 1935	"	"	1,050,140.66 332,820.52	140.66 (4,859.34) 2,820.52 (2,179.48)			
MARVIN (USE) 1935	"	"	1,038,218.74 336,954.17	3,218.74 (1,781.26) 1,954.17 (3,045.83)			
NORTHWEST, 1878	G.P.'s Pg 786	"	27 11 25.590 82 30 10.822			787.6 (1,059.1) 297.9 (1,353.6	
CHARLEY, 1954	Ship SOSBEE	"	27 13 13.584 82 31 05.274			418.1 (1,428.6) 145.1 (1,506.0)	

1 FT. = .3048006 METER

COMPUTED BY: I. I. Saperstein DATE 27 May 1953 CHECKED BY: M. M. Slavney DATE 17 June 1953

M-2388-12

Photogrammetry

MAP T- 11088 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
OSPREY (USE) 1935	USE	N.A. 1927	1,039,377.88	4,377.88 (622.12)			
			339,572.30	4,572.30 (427.70)			
WEBB, 1878	G.P's Pg 786	"	27 12 12.257			377.2 (1,469.5)	
			82 29 58.643			1,613.9 (37.3)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: I.I.Saperste DATE 27 May 1953 CHECKED BY: M.M.Slavney DATE 17 June 1953

Photogrammetry

MAP T- 11089 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
KEG, 1878	G.P's Pg 218	N.A. 1927	27 10 30.07			925 (922)	
			82 29 48.84			1,344 (308)	
BLACKBURN (USE) 1935	USE Photo-stat	"	1,032,683.76	2,683.8 (2,316.2)			
			339,514.89	4,514.9 (485.1)			
CAMP (USE) 1935	"	"	1,024,028.23	4,028.2 (971.8)			
			344,388.48	4,388.5 (611.5)			
HALL (USE) 1935	"	"	1,021,300.74	1,300.7 (3,699.3)			
			345,295.54	295.5 (4,704.5)			

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: R. J. Pate DATE 20 April 1954 CHECKED BY: M. M. Slavney DATE 11 May 1954

Photogrammetry

MAP T- 11090 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
DONA (USE) 1935	USE	N.A. 1927	1,011,955.46	1,955.5 (3,044.5)			
			351,358.41	1,358.4 (3,641.6)			
PASS (USE) 1935	"	"	1,009,805.98	4,806.0 (194.0)			
			348,758.70	3,758.7 (1,241.3)			
NOKOMIS (USE)1935	"	"	1,010,219.47	219.5 (4,780.5)			
			351,895.82	1,895.8 (3,104.2)			
VENICE, 1934	P.C. Pge 6	"	1,006,278.08	1,278.1 (3,721.9)			
			350,402.37	402.0 (4,598.0)			
VENICE MUNICIPAL TANK, 1934	" Pge 16	"	1,005,793.69	793.7 (4,207.3)			
			357,478.97	2,479.0 (2,521.0)			
V-100/00 (USE) 1938	USE	"	999,512.24	4,512.2 (487.8)			
			352,390.34	2,390.3 (2,609.7)			
V-187/80.3 (USE) 1938	"	"	991,388.25	1,388.2 (3,611.8)			
			355,584.43	584.4 (4,415.6)			
V-12/00 (USE) 1938	"	"	1,008,076.28	3,076.3 (1,923.7)			
			350,900.65	900.6 (4,099.4)			
V-230/00 (USE) 1938	"	"	27 03 00.502			15.5 (1,831.2)	
			82 26 16.682			459.7 (1,193.8)	
LORAN, 1954	Fld Comp.	"	997,432.84	2,432.84 (2,567.16)			
			353,362.41	3,362.41 (1,637.59)			
DEL, 1954	Ship SOSBEE	"	27 06 02.195			67.6 (1,779.1)	
			82 27 38.577			1,062.7 (590.1)	
VENICE BEACH CASINO CUPOLA,1954	"	"	27 05 58.831			1,810.7 (36.0)	
			82 27 35.766			985.2 (667.6)	

1 FT. = .3048006 METER

COMPUTED BY: R.J.Pate DATE 20 April 1954 CHECKED BY: M. M. Slavney DATE 12 May 1954

M-2388-12

Photogrammetry

MAP T- 11090 PROJECT NO. Ph-100(52) SCALE OF MAP 1:10,000 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)
VENICE BEACH CASINO CHIMNEY, 1954	Ship SOSBEE	N.A. 1927	27 05 58.671 82 27 36.049			1,805.8 (40.9) 993.0 (659.8)	

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY W. H. Shearouse DATE 10/12/54 CHECKED BY J. E. Johnson DATE 10/11/54

31. DELINEATION.

The graphic method was used.

The photographs were clear but not of good scale in all instances. The projector was used in some areas for scale correction. The field inspection was generally of an excellent quality. No difficulties were encountered.

32. CONTROL.

Sufficient control was identified, whose density and placement were of such quality that no difficulties were encountered in the establishment of detail points.

33. SUPPLEMENTAL DATA.

None.

34. CONTOURS AND DRAINAGE.

Contours - inapplicable.

The drainage was shown as indicated by the Field Inspector and as interpreted from the photographs.

35. SHORELINE AND ALONGSHORE DETAILS.

The shoreline inspection appeared very complete. All the shoreline and alongshore detail that was not readily discernible from the photographs was indicated so that no difficulties were encountered in the delineation thereof.

The low water line was delineated according to notes furnished by the Field Inspector. Shoal lines were apparent and delineated as viewed from the photographs.

36. OFFSHORE DETAILS.

No difficulties were encountered in the delineation of offshore details.

37. LANDMARKS AND AIDS.

Form 567 for Nonfloating Aids was forwarded to the Washington Office on 10 August 1953.

Landmarks will be reported by the Hydrographic Party.

38. CONTROL FOR FUTURE SURVEYS.

Sixteen (16) recoverable topographic stations of use to the hydrographer are being submitted with this report and are listed under Item 49. All positions determined on this survey supersede previous positions.

No temporary photo-hydro stations are listed under Item 49 as they were furnished directly to the Hydrographic Party. (sketch books - fm. 274)

39. JUNCTIONS.

T-11079 --- to the north, in good agreement.
T-11083 --- to the south, in good agreement.
T-11082 --- to the east, no common detail.
No contemporary survey to the west.

40. HORIZONTAL AND VERTICAL ACCURACY.

Inapplicable.

46. COMPARISON WITH EXISTING MAPS.

Comparison was made with U. S. E. Topographic Quadrangle, BRADENTON BEACH, FLORIDA, scale 1:31,680, edition of 1944. All differences are shown on the map manuscript. Comparison also was made with the Planimetric Map T-5847, 1:10,000 scale, dated 1944, covering this area. The same differences apply.

47. COMPARISON WITH NAUTICAL CHARTS.

Comparison was made with USC&GS Nautical Chart 1256, scale 1:80,000 (3rd edition) corrected to 3 October 1952. Maps listed under Item 46 are the source of most of the features on this chart and the same differences exist between the chart and manuscript.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY.

None.

ITEMS TO BE CARRIED FORWARD.

None.

Webber W. Dawsey
Carto Photo Aid

APPROVED AND FORWARDED

J. E. Waugh, Chief of Party

48. GEOGRAPHIC NAME LIST.

No name changes were submitted by the field party. The names as they appear on the published charts and the topographic quadrangle for this area will remain the same.

Florida
Sarasota Bay
Tidy Island
Cow Point
Jewfish Key
Longboat Key
Longboat Pass (not inlet)
Lefftis Key
Anna Maria Key
Bradenton Beach
Cortez Bridge
Cortez
Grassy Point
Grassy Point Bayou
Manatee County Public Beach
Sarasota Pass
Prices Key
Perico Island
Perico Bayou
Palma Sola Bay

Names approved
3-14-56
L. Heck

49. NOTES FOR THE HYDROGRAPHER.

The following topographic stations will be of use to the hydrographer:

TBM 3 CLUB HOUSE DOCK (1941), 1953
EDD 21, 1935 (USE) (1943), 1953
D 92, 1942 (1943), 1953
LOO (1941), 1953
GEM (1943), 1953
BIT (1943), 1953
EDD 20, 1935 (USE) (1943), 1953
SPY (1941), 1953
ZAX (1941), 1953
BM 1 (USE 1935) (1943), 1953
EDD 34, 1935 (USE) (1943), 1953
DIM (1943), 1953
EDD 19, 1935 (USE) (1943), 1953
TIDAL LONGBOAT PASS 1942 (1943), 1953
N 92 (1942), 1952

TIDE COMPUTATION

PROJECT NO. Ph-100(52) T-11081

Time and date of exposure -   Reference station TAMPA BAY, FLORIDA   Mean range 1.3

Date of field inspection 0830 9/10/53   Subordinate station CORTEZ, FLORIDA   Ratio of ranges 0.9

	Time h.	Time m.
High tide	15	20
Low tide	9	04
Duration of rise or fall	6	16

	Height feet	Height x Ratio of ranges
High tide	1.6	1.4
Low tide	0.0	0.0
Range of tide		1.4

	Time h.	Time m.
High tide at Ref. Sta.	15	20
Time difference	-1	20
Corrected time at Subordinate station	14	00

	Time h.	Time m.
Low tide at Ref. Sta.	9	04
Time difference	-1	20
Corrected time at Subordinate station	7	44

	h. m.		feet		feet	Photo. No.
Time ~~H. T. or~~ L. T.	7 44	Ht. ~~H. T. or~~ L. T.	0.0	Feature bares	9.9	CORTEZ BRIDGE
Required time	8 30	Tabular correction	0.0	Stage of tide above MLW	0.0	
Interval	46	Stage of tide above MLW	0.0	Feature above MLW	9.9	
				" " MHW	8.6	
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by W. H. Shearouse   Checked by W. W. Dawsey

TIDE COMPUTATION

PROJECT NO. Ph-100A(52) T-11081

Time and date of exposure 1510 11 Feb.1952 Reference station TAMPA BAY Mean range 1.4

Date of field inspection ________ Subordinate station ANNA MARIA Ratio of ranges 0.9

	Time h.	Time m.
High tide	13	07
Low tide	17	59
Duration of rise or fall	4	52

	Height feet	Height x Ratio of ranges
High tide	0.7	0.6
Low tide	0.0	0.0
Range of tide		0.6

	Time h.	Time m.
High tide at Ref. Sta.	15	27
Time difference	-2	20
Corrected time at Subordinate station	13	07

	Time h.	Time m.
Low tide at Ref. Sta.	20	19
Time difference	-2	20
Corrected time at Subordinate station	17	59

	h.	m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~	13	07	Ht. H. T. ~~or L. T.~~	0.6	Feature bares		
Required time	15	10	Tabular correction	0.2	Stage of tide above MLW		
Interval	2	03	Stage of tide above MLW	0.4	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by W. W. Dawsey Checked by B. R. Wagner

TIDE COMPUTATION

PROJECT NO. Ph-100(52) T- 11081

Time and date of exposure 1510 11 Feb. 1952 Reference station TAMPA BAY Mean range 1.3

Date of field inspection ________ Subordinate station CORTEZ, FLORIDA Ratio of ranges 0.9

	Time h.	Time m.
High tide	14	07
Low tide	18	59
Duration of rise or fall	4	52

	Height feet	Height x Ratio of ranges
High tide	0.7	0.6
Low tide	0.0	0.0
Range of tide		0.6

	Time h.	Time m.
High tide at Ref. Sta.	15	27
Time difference	-1	20
Corrected time at Subordinate station	14	07

	Time h.	Time m.
Low tide at Ref. Sta.	20	19
Time difference	-1	20
Corrected time at Subordinate station	18	59

	h.	m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~	14	07	Ht. H. T. ~~or L. T.~~	0.6	Feature bares		
Required time	15	10	Tabular correction	0.0	Stage of tide above MLW		
Interval	1	03	Stage of tide above MLW	0.6	Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.			Ht. H. T. or L. T.		Feature bares		
Required time			Tabular correction		Stage of tide above MLW		
Interval			Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by W. W. Dawsey Checked by R. R. Wagner

Form T-2

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PHOTOGRAMMETRIC OFFICE REVIEW

T- 11081

1. Projection and grids IIS 2. Title IIS 3. Manuscript numbers IIS 4. Manuscript size IIS
4a. Not Classified

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads IIS 28. Buildings IIS 29. Railroads XX 30. Other cultural features XX

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names IIS 34. Junctions IIS 35. Legibility of the manuscript IIS 36. Discrepancy overlay XX 37. Descriptive Report IIS 38. Field inspection photographs IIS 39. Forms IIS
40. Irving I. Saperstein — Jesse A. Giles

Irving I. Saperstein
Reviewer

Jesse A. Giles
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-11081
Shoreline Map
14 March, 1956

61. General:

This is a revision survey which includes a newly delineated total shoreline, but only such interior features as will amend the 1941 surveys (T-5843, T-5847).

62. Comparison with Registered Surveys:

T-1346a	1:20,000	1874
T-4211	1:20,000	1926
T-5843	1:10,000	1941
T-5847	1:10,000	1944

The shoreline on T-11081 supersedes and the interior detail supplements that on the older surveys for charting.

63. Comparison with Maps of Other Agencies:

USE Bradenton Beach, Fla. 1:25,000 ed. 1948

T-11081 supersedes the quadrangle for charting.

64. Comparison with Contemporary Hydrographic Surveys:

BP 53196 (H-8042) 1:20,000, 1953
BP (H-8035) 1:10,000, 1953 (not available)

The shoreline on H-8042 is that delineated from 1952 photographs. Changes were made in the vicinity of Hydro stations 81100 to 81107, at Tidy Island, and at Cortez from 1953 photographs.

65. Comparison with Nautical Charts:

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

Mapped but not charted:

Pipe (hydro Sta 81106) in Palma Sola Bay
Submarine cable south side Cortez Bridge

Charted but not mapped:

Piling in Longboat Pass north of the charted rock
Pile southeast of Prices Key
Overhead cable at Longboat Pass
Cable area Longboat Key to Jewfish Key

The shoreline on T-11081 supersedes that on the chart. Foreshore features are subject to check by the hydrographic survey.

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:

L C Landy
Chief, Review & Drafting Section
Photogrammetry Division

for Wallace A. Bruder
Chief, Nautical Chart Branch
Charts Division

H W Swanson
Chief, Photogrammetry Division
28 Aug '58

Chief, Coastal Surveys Division

NAUTICAL CHARTS BRANCH

SURVEY NO. F-11081

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
Aug 61	857	Nichols	~~Before~~ After Verification and Review
6/3/65	586	John P. Weis	~~Before~~ After Verification and Review Fully applied to Aug F28
			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.