

11412

Diag. Cht. No. 1255.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-146 Office No. T-11412

LOCALITY

State Florida

General locality Caloosahatchee River

Locality Cape Coral

1953-61

CHIEF OF PARTY

V.R.Sobieralski, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE _____

USCOMM-DC 5087

11412

DESCRIPTIVE REPORT - DATA RECORD

T 11412

PROJECT NO. (II):

PH-146

FIELD OFFICE (II):

Ft. Myers, Florida

CHIEF OF PARTY

V. Ralph Sobieralski

PHOTOGRAMMETRIC OFFICE (III):

Tampa, Florida

OFFICER-IN-CHARGE

V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):

July 2, 1954 (field and office)

Amendment No. 1 November 9, 1954

Supplement No 1 December 17, 1956

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

Inapplicable

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (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):

TROWBRIDGE 1934

LAT.:

26°31'25.426" (782.5 m)

LONG.:

81°52'39.250" (1086.7 m)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

Y = 796,034.47 Ft.

X = 540,033.11 Ft.

Florida

West

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.

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): G. E. Varnadoe		DATE: July 1961
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photography: November 22, 1960		
PROJECTION AND GRIDS RULED BY (IV): A. Riley		DATE March 1955
PROJECTION AND GRIDS CHECKED BY (IV): A. Riley		DATE March 1955
CONTROL PLOTTED BY (III): I. I. Saperstein		DATE Jan. 1957 Aug. 1961
CONTROL CHECKED BY (III): R. R. Wagner		DATE Jan. 1957 Aug. 1961
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. R. Wagner		DATE Sept. 1960
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): I. I. Saperstein		DATE Aug. 1961
SCRIBING BY (III): P. W. Leikhim Reviewed by: I. I. Saperstein		DATE Nov. 1961 Nov. 1961
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): Compilation Review by: W. H. Shearouse Drafting Review by: R. R. Wagner		DATE Aug. 1961 Oct. 1962
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

Nine lens, Single lens "W" and "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
42999-43000	12/2/53	1103	1:10,000	Not used for
43020 thru 43022	"	1119	"	shoreline delineat-
430027	"	1128	"	ion
43058	"	1201	"	"
58-S-1534 thru 1538A	10/21/58	1245	"	"
58-S-7272A " 7274A	1/1/58	1012	"	No time on photo
60-W-4438	11/22/60	clock stopped	"	--
60-W-4449 " 4453	"	1001	"	+ 0.1
60-W-4472 - 4473	"	1012	"	+ 0.1

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Tampa Bay	-	1.4	1.6
SUBORDINATE STATION: Ft. Myers, Caloosahatchee River	0.50	0.7	0.9
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

DATE:

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 26*

RECOVERED:
16

IDENTIFIED:
5

NUMBER OF BM(S) SEARCHED FOR (III): 4

RECOVERED:
0

IDENTIFIED
0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 3

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 51

REMARKS:

* Including 2 monumented stations and 7 aids established.

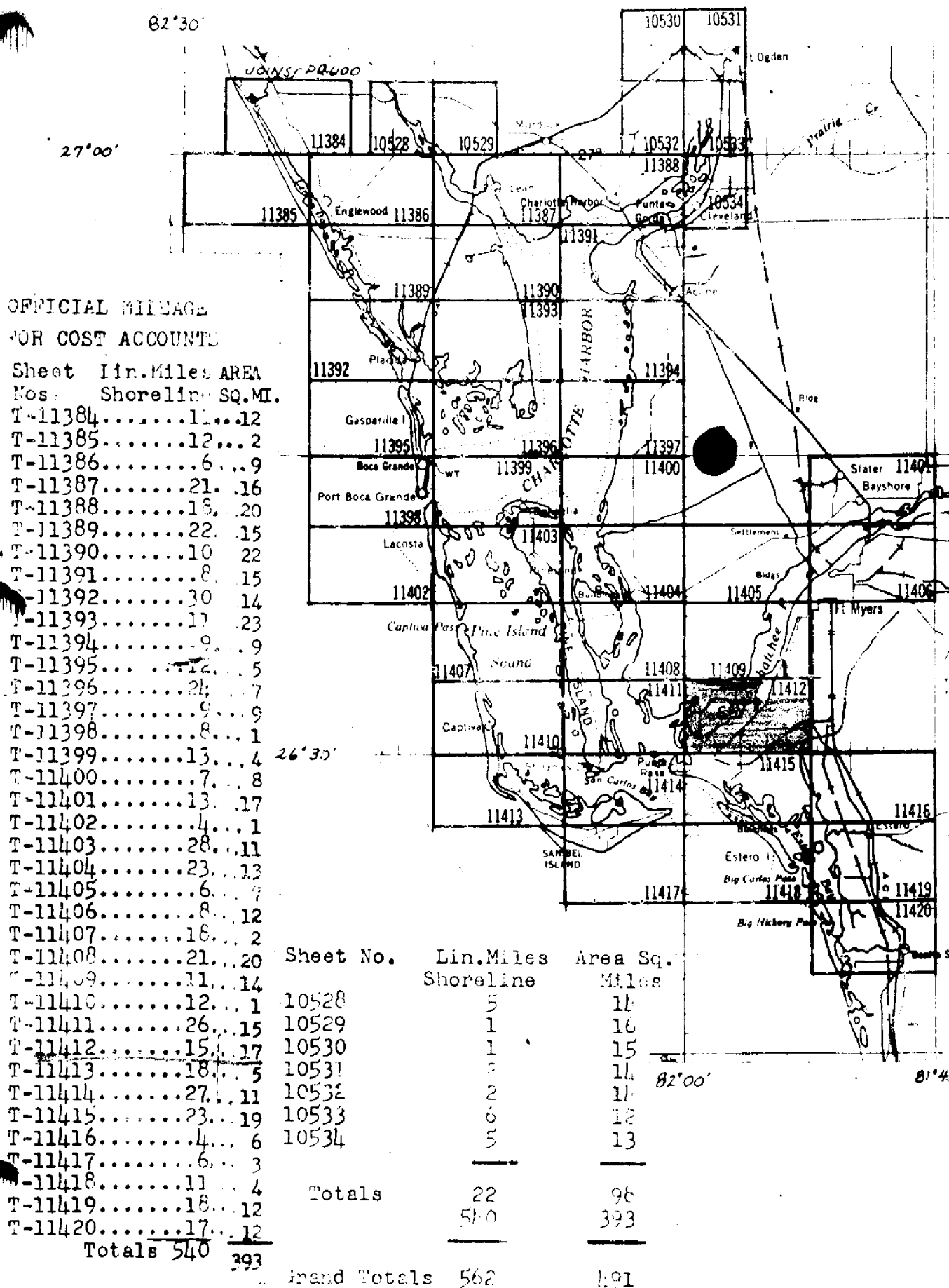
COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation complete	August 1961	

Charlotte Harbor, FLORIDA



FIELD INSPECTION REPORT

T-11412

Project PH-146

2. AREAL FIELD INSPECTION

This sheet embraces both shores of the Caloosahatchee River. The greater part of the north shore is covered by a large development for homes (Cape Coral). This development is being extended beyond the limits shown on the photography of November 1960. The new areas under construction are delineated on the photos. The area west of the construction consists of mangrove along the shoreline with pine and palmetto inland.

A large portion of the land area along the south shore is under cultivation with numerous drainage ditches and canals however, a few smaller developments and a marina are along this shore.

The entire area of delineation has been thoroughly inspected and it is believed that sufficient notes and classification have been made so that the compiler will have no difficulty.

Except for one small area in the southeastern part the entire sheet is covered by the 1960 photography. This small area is covered by and notes made on the 1958 photography.

Field notes were made on the following photographs: 60-W-4436, 4438, 4449 thru 4454, 4471 thru 4474 and 58S7273.

3. HORIZONTAL CONTROL

Horizontal control was identified on the nine lens photography in 1959 and the photogrammetric plot has been made.

Two monumented stations WATER and CORAL were established and five ranges were located by triangulation. The monumented stations were located in a quadrilateral using two previously established stations. Three of the ranges (rear) were occupied and two (front) were located by intersection. Three third order USGS traverse stations were identified. They are TT 71 WKM 1952, D 38 1952 and TT 77 WTM 1952.

All of the stations of this bureau were searched for and reported on Form 526. "Lost" stations are DRAIN 1927, REDFISH 2 1927, PINEY POINT 1927 and RGN FORT MYERS RADIO FMY 1955.

4. VERTICAL CONTROL

Four tidal bench marks were searched for and found to be destroyed or lost. They are, IONA CALOOSAHATCHEE RIVER BP 1 1936, BM 2 1927, BM 3 1927 and BM 5 1928.

5. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage is by canals and ditches, and has been labeled.

6. WOODLAND COVER

Classified in accordance with instructions.

7. SHORELINE AND ALONGSHORE FEATURES

Along the shoreline the MHWL and MLWL are practically synonymous. A few shell bars below MHW are to be found in the western portion of the sheet, around which the MLWL has been shown. There are no bluffs or cliffs or submerged cables. Docks wharves piers etc. have been labeled.

8. OFFSHORE FEATURES

The wreck shown on chart 473 just northeast of daybeacon 128 was searched for but not found. According to local information this wreck disappeared during the hurricane in 1944. The wreck and rocks on the north side of the channel between daybeacons 120 and 122 are awash at or near MLW. These are often struck by small boats. The iron pipe and pile are not visible.

The low water line as mentioned under item 7 was inspected at or near MLW but due to the very gentle slope the limits were shown by the approximate LWL symbol.

9. LANDMARKS AND AIDS

Other than the large aids to navigation (ranges) the natural points along the shoreline and the large development "Cape Coral" there are no landmarks. There are no outstanding interior features. One aeronautical aid, an omni range, in the eastern part of the sheet is triangulation station VOR 1955. The aero R.Bn. shown on chart 473, in the same area should be removed as it has been razed.

Fixed aids to navigation were located by triangulation or photogrammetric methods.

Floating aids were not located. They will be located by the hydrographic party.

10. BOUNDARIES MONUMENTS AND LINES

Inapplicable.

11. OTHER CONTROL

Eight monumented topographic stations which were established in 1943 were searched for. Two were recovered and reidentified. They are CAP and OAR. One additional station IONA was established. Triangulation stations adequately serve as fixes in the water area. Fifty one photo-hydro stations were established.

12. OTHER INTERIOR FEATURES

All roads were ridden out and classified in accordance with the instructions. There are no landmarks; buildings. A small, sod, private landing field appears on photo 60-W-4438.

13. GEOGRAPHIC NAMES

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

One name in this sheet "REDFISH PT." has lost its identity. All trees have been removed, the shoreline entirely reshaped by dredging of waterways, filling, construction of seawalls and homes. It is recommended that this name be dropped and the name "Cape Coral" applied to the area inland.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Data for identification of horizontal control along with recovery notes (form 526) for stations searched for at that time were submitted to the Tampa District Office in 1959.

Respectfully submitted,

W. M. Slattery

for

George E. Varnadoe
Supervisory Cartographer (Photo)
August 8, 1961

APPROVED AND FORWARDED, 26 FEB 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 11/4/12 PROJECT NO. 146 SCALE OF MAP SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
TOM 1927	G.P.s 317	N.A. 1927	26 30 52.17 81 59 20.15			1605.5 (241.0) 557.9 (1103.4)	PL R.P. 16 Jan 57 " " " "
PINEY - JUNE 1927	G.P.s 318	"	26 32 00.774 81 58 51.455	Destroyed 1961		23.8 (1822.7) 1424.5 (236.6)	PL R.P. 22 Jan " "
CALOOSAHATCHEE R. CUT & WEST R.	Comp	"	26 31 34.27 81 59 43.13			1054.7 (791.8) 1194.1 (467.1)	PL R.P. 22 Jan " "
R. DAVENPORT 1950	Field	"	26 31 47.29 81 57 22.01			1455.3 (391.2) 609.3 (1051.7)	PL R.P. 22 Jan " "
CALOOSAHATCHEE R. CUT H.I.D. R.R.	Camp	"	26 32 01.68 81 56 48.42			57.7 (1794.8) 1340.5 (320.5)	PL R.P. 1502.58 " "
LT 1956	"	"	26 31 38.71 81 59 14.87			1191.3 (655.2) 411.7 (1249.4)	PL R.P. 1502.58 " "
CALOOSAHATCHEE R. CUT & WEST RANGE	"	"	26 31 59.05 81 57 05.20			1817.3 (29.2) 144.0 (1517.1)	PL R.P. 1502.58 " "
FRONT 1956	"	"	796.034.47 540.033.11				PL 115 11 Jan 57
TRAWL BRIDGE 1934	P.C. 7		287.434 548.944		E		
TT 71 WTM. USGS 1952	FT MVERS P. 12		794.726 531.039				"
TT 77 WTM. USGS 1952	FT MVERS P. 14		794.459 518.930				"
D 38 USGS 1952	FT MVERS P. 7		26 32 37.130 81 54 31.334			1142.7 867.4	"
FOR. FORT MVERS RADIO F.M.V. 1955	98 984						"

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 114.12 PROJECT NO. 146 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
								FORWARD	(BACK)	FORWARD	(BACK)
WATER 1961	Field	NA	26 32	01.11				34.2	(182.3)	1.15	11 Aug 61
	Comp.	1927	81 58	51.53				1426.6	(234.5)	1.15	11 Aug 61
	"	"	26 32	26.93				828.8	(1017.7)	1.15	11 Aug 61
CORAL 1961		"	81 56	53.87				1491.2	(169.7)	1.15	11 Aug 61
CALOOSAHATCHEE R. CUTS HILIR R.	"	"	26 31	47.25				1454.1	(392.8)	1.15	11 Aug 61
LIGHT 1961	"	"	81 57	22.05				610.5	(1050.6)	1.15	11 Aug 61
CALOOSAHATCHEE R. CUT & REAR	"	"	26 32	01.69				52.0	(1794.5)	1.15	11 Aug 61
LIGHT 1961	"	"	81 56	48.33				1338.0	(323.1)	1.15	11 Aug 61
CALOOSAHATCHEE R. CUT & R F	"	"	26 31	59.06				1817.6	(28.9)	1.15	11 Aug 61
LIGHT 1961	"	"	81 57	05.12				141.7	(1519.3)	1.15	11 Aug 61
CALOOSAHATCHEE R. CUT G WEST R R	"	"	26 31	34.30				1055.6	(790.9)	1.15	11 Aug 61
DAYBEN 1961	"	"	81 59	43.16				1194.9	(466.2)	1.15	11 Aug 61
CALOOSAHATCHEE R. CUT G WEST R F	"	"	26 31	38.74				1192.2	(654.3)	1.15	11 Aug 61
DAYBEN 123 1961	"	"	81 59	14.86				411.4	(1249.7)	1.15	11 Aug 61
PAL 1961	G P 318	"	26 32	26.43				751.9	(1094.6)	1.15	11 Aug 61
		"	81 56	14.47				400.8	(1260.2)	1.15	11 Aug 61
HARRIS 1892	Pub 16 Pg 14	NA	26 33	39.33	1210.5		-10.7m	1199.8		1.15	11 Aug 61
		"	81 55	14.68	406.5		+2.0m	408.5		1.15	11 Aug 61
BEAM 1955	PC	NA	803	989.33						1.15	11 Aug 61
		1927	531	327.68						1.15	11 Aug 61
CALOOSAHATCHEE R. R. LT 108 1961	Field	"	26 32	43.47				1337.8		1.15	11 Aug 61
CALOOSAHATCHEE R. R. LT 106 1961	"	"	81 56	16.44				455.1		1.15	11 Aug 61
	"	"	26 33	28.75				884.8		1.15	11 Aug 61
	"	"	81 55	55.52				1536.7		1.15	11 Aug 61

1 FT. = 30480

COMPUTED BY: *APR 11*

DATE 10 Aug 1961

CHECKED BY: *178*

DATE 10 Aug 1961

COMM. DC. 57843

COMPILATION REPORT

T-11412

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11418

31. DELINEATION

The graphic method was used.

Four sets of photographs cover all, or part of the manuscript. (See page 3 of this report)

The nine lens photographs were used to lay the radial plot. The 1960 single lens photographs cover the entire manuscript except for the eastern thirty seconds, in which area the January 1, 1958 series of photographs were used. The October 21, 1958 series of photographs were used for reference and for cutting in additional detail points and photo-hydro stations. The field inspection was good and no difficulty was encountered in the interpretation of the photographs.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line was delineated according to the field inspection which was good.

All piers, piling, low water lines, and alongshore details noted by the field inspection were shown.

The low water line is based on field inspection.

36. OFFSHORE DETAILS

One wreck immediately offshore of Little Shell Island was located by sextant fix. (See Item 8 for wreck to be deleted from chart 473.)

37. LANDMARKS AND AIDS

All fixed aids to navigation, including one privately maintained light have been reported on Form 567, forwarded to Washington under date of August 28, 1962. Daybeacon 104 was located in 1961 and a Form 567 forwarded in February 1962. Many private markers were located by sextant fix and are shown on the manuscript with a 1 mm circle.

One aeronautical aid, an omni-range, has been reported on Form 567.

There are no landmarks; one Aero Radio Beacon is submitted for deletion.

38. CONTROL FOR FUTURE SURVEYS

Fifty one photo-hydro stations and three marked topographic stations have been established. Forms 524 have been submitted for the latter. All stations are listed under Item 49 with descriptions for the photo-hydro stations.

39. JUNCTIONS

Junctions have been made with: T-11411 to the west (T-11412 was compiled with later photography and numerous ditches do not appear on T-11411.)

T-11415 to the south, T-11409 to the north. The junction with USGS quadrangle FORT MYERS SE 1:24,000 edition of 1958 appears satisfactory.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS quadrangle FORT MYERS SW 1:24,000 edition of 1958. The most radical change is the addition of Cape Coral, a town on the north shore of Caloosahatchee River.

Several man-made changes have occurred along the south shore of the river, and except for that and the change noted above, the maps are in fairly good agreement.

Comparison has also been made with C&GS topographic maps T-5868, T-5869, T-5870, 1:10,000 dated 1943. Many man-made changes have occurred along the north and south shore of the Caloosahatchee River.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 473, scale 1:40,000 edition of April 18, 1930 revised February 23, 1959.

The C&GS maps listed under Item 46 are probably the source of topography for the chart and some of the same differences apply.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

I. I. Saperstein
I. I. Saperstein
Cartographer (Photo)

APPROVED AND FORWARDED: 26 FEB 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

48. GEOGRAPHIC NAME LIST

Names were taken from USGS quadrangle FORT MYERS SW
1:24,000 edition of 1958, with the exception of HARLEM
HEIGHTS taken from the field inspection.

BIGGAR

CALOOSAHATCHEE RIVER
CAPE CORAL

DEEP LAGOON

FLORIDA

GLOVER BIGHT

HARLEM HEIGHTS
HARNEY POINT
HENDRY CREEK

IONA
IONA COVE
IONA POINT

LITTLE SHELL ISLAND
LONG BAR

PALMETTO POINT
PINEY POINT
PUNTA RASA COVE

REDFISH COVE
REDFISH POINT *A. OK.
a-j.w.*

SHELL POINT
STATE 865
STATE 867

TRUCKLAND

WYOMI CREEK

~~To be resolved by geographic names section.~~

*Names checked & approved
A. J. Wright
Geog. Names Sect.
3-25-65*

49. NOTES FOR THE HYDROGRAPHER

The following is a list of marked topographic and photo-hydro stations:

CAP (1943) 1961, OAR (1943) 1961, IONA 1961

Note A= 1x2x4 stake painted white with U.S.Govt stenciled in black driven in ground at station site.

Note B= Streamer of white signal cloth tied nearby.

Note C= 1x2x8 ft. stake with 18" square white flag.

1201 - A lone 35 ft. Australian pine about 40 ft. inshore from outer edge of mangrove (Note CAP 1943 is 27 ft. SSE) Triangular blaze on S side. Note B Photo 60-W-4471

1202 - The NE corner of wooden bridge where edge of bridge meets canal bank. Note C Photo 60W-4453

1203 - A private navigation light on a 4 leg tower about 20 ft. above tin roof boat house-flashing amber light, flash every second. Photo 60-W-4453.

1204 - The SW corner at apex of L of L shaped pier. Not marked. Photo 60-W-4453.

1205 - A lone, 4 ft. tall mangrove bush at HWL growing around a small pile of rock. 1x2x8 with flag. Photo 60-W-4453

1206 - The offshore end of a clump of white mangrove roots. Where shoreline turns. Note B Photo 60-W-4453

1207 - The extreme point of mangrove formed by an overhanging limb with many roots. Note A & B Photo 60-W-4453

1208 - The center of a small circular sand and rock area surrounded by small mangrove and grass about 30 ft. W of spoil. Note C Photo 60-W-4453.

1209 - The center of a low detached mangrove bush in a small white sand area that reaches from a small cove to river. Limbs trimmed. Note A & B Photo 60-W-4453.

1210 - The NE end of a line of dead mangrove roots at the west edge of a drainage ditch. Note A&B Photo 60-W-4453.

1211 - A large low mangrove limb that overhangs over a white sand area. The limb forms the W end of a small cove - cut limbs. Note A&B Photo 60-W-4471.

1212 - A stubby overhanging dead mangrove tree that forms a point between two small coves. Very small white sand beaches are on both sides. Cut limbs. Note A&B Photo 60-W-4471

1213 - The west limb of an overhanging forked mangrove tree top between two small coves. Cut limbs. Note A&B Photo 60-W-4471.

1214 - The top of a 6 inch dead mangrove tree that has fallen offshore with the top in the water. Several small fallen trees are about 35 feet west. Note A nailed to tree. Note B. Photo 60-W-4471.

1215 - The offshore portion of a broken partly dead mangrove tree about 250 ft. W of a large dead (white) mangrove that lies in the water with top at outer mangrove limbs. Note A nailed to trunk. Note B. Photo 60-W-4472

1216 - An overhanging mangrove limb about 15 ft. above HW on the W shore and at the mouth of a canal about 125 ft. S of a clump of pine which are also on W shore of canal. Cut limbs, Note B. Photo 60-W-4472.

1217 - A large high TV antenna on the W side of a sand colored stucco house with white cement tile roof. The antenna is at a point where the screened porch begins. At present this is the only house near the point. Not marked Photo 60-W-4451

1218 - Offshore end of a narrow wooden pier about 100 ft. E of dredged cut and in front of a small white frame house with dark green trim. Not marked. Photo 60-W-4453.

1219 - A large white chimney on the offshore side of a small brown house (built around a trailer). The front is seawalled by concrete filled bags. Not marked. Photo 60-W-4453

1220 - The NE corner of a wooden T pier that makes off from a large vacant lot with palms about 150 ft. W of the beginning of a concrete seawall. A bench is built on the pier. Not marked. Photo 60-W-4453

1221 - The SE edge of a white sand spot at the mouth of a canal and at the offshore edge of small fallen dead mangrove. Note A&C Photo 60-W-4452.

1222 - The TV antenna at a lone house. The house is white stucco with orange trim and the TV antenna is at the front edge of house where E edge of porch makes off. Not marked. Photo 60-W-4452.

1223 - A low (in water) overhanging mangrove limb that is partly dead. Which makes off from a point where the tree makes into several trunks. The point is between two large coves. Cut limbs. Note B&C Photo 60-W-4452

1224 - A lone 15 ft. mangrove tree that grows about 10 ft off the HWL about 25 ft. W of the W end of a small cove with several palms forming its W end. A fallen, large palm is just SW and its root is about 10 ft. SW. Cut limbs. Note A&B. Photo 60-W-4451.

1225 - The offshore and taller of two cabbage palms, 4 ft. apart that are at the HWL about 70 ft. SW of a rounding point where dead tree limbs lie about 40 ft. offshore. Several palms begin about 40 ft. NE. The nearest palms SW are lone twin palms about 125 ft. distant. Short Note A & B nailed to trunk. Photo 60-W-4451.

1226 - A detached leaning 15 ft. tall palmetto palm at HWL about 10 ft. SW of two larger palms that join at the root. Palmetto with roots exposed grow on same clump with signal palm about 6 ft. inshore. Note A&B nailed to trunk. Photo 60-W-4451.

1227 - A detached 12 ft. tall australian pine at the western end of a row of small pines. Limbs trimmed. Note B. Photo 60-W-4450

1228 - The northernmost tip of mangrove (5 ft. high) on south side of big slough. Note A & B. Photo 60-W-4450.

1229 - Offshore end of overhanging dead mangrove limbs, about 100 ft. NNE of N end of concrete seawall and about 70 ft. N of a point of high mangrove, a large dead mangrove tree almost overhangs this limb. Note B & C. Photo 60-W-4450.

1230 - A clump of stumps and roots consisting of a pine and palm stump which leans about 30' with roots exposed at the HWL. Directly offshore from the NE edge of a white house with blue roof and red trim. This is the second such house NE of a row of large pine. Note A nailed to stump. Note B. Photo 60-W-4450.

1231 - The SW corner of a long narrow wooden T pier with two white benches on end and a hand rail painted red. Not marked. Photo 60-W-4449.

1232 - The W end of the S of two narrow piers that are on each side of a marine railway that terminates in a small white building. Wing walls of 2x10 make off from the ends of both piers at about 30° and frame work of 1 inch pipe straddles the railway and is fastened to the piers. The offshore pipe on S pier is at signal site. White flag. Photo 60-W-4449.

1233 - The offshore end of a double decked platform in trees about 3 feet back of waters edge above the signal site is a round red sign with SEE in white letters. Not marked. Photo 60-W-4449.

1234 - The northernmost palmetto palm on a dredged up area. 9 ft. inshore from a 4 ft. bluff another such palm is 36 ft. S and is at the edge of bluff inshore (W of this and 33 ft. distant is the third palm of the triangle. White cloth band around trunk. Photo 60-W-4450.

1235 - The easternmost of three pines in area that are east of the street. About 50 ft. tall and 36 ft. NW of HWL (a seawall is under construction about 20 ft. E of HWL) a pine near edge of street is 81 ft. SW. Another is 54 ft. NNW. Not marked. Photo 60-W-4474.

1236 - The NW corner (at edge of screened porch) of a green house with white roof and trim. About 150 ft. W of HWL and about 150 ft. S of HWL of dredged canal. Not marked. Photo 60-W-4450.

1237 - The offshore gable of a bright blue house. A tall large TV antenna is about 2 ft. N. of gable and a screened porch begins at antenna. A chimney which resembles a small cupola is near the center of house. Not marked. Photo 60-W-4450.

1238 - The northerly of three cocoanut palms in front of an orange colored house with white roof and small white cupola. The three palms are about 20 ft. in back of a concrete seawall. The only palms in near area. Not marked. Photo 60-W-4450.

1239 - The SE corner of an L shaped pier. In front of a white house with yellow trim, a large screened pool in front and a high large TV antenna at N gable. This is southernmost pier in area. Not marked. Photo 60-W-4450.

1240 - The offshore upstream (SE) corner of pier. Not marked. Photo 60-W-4450.

1241 - The SE corner of the southernmost house at Cape Coral. Also house directly E of and nearest inshore end of large pier. The house is white with a white roof. Not marked. Photo 60-W-4451.

1242 - The seaward of two corners about 15 ft. apart of wooden seawall where it turns southerly along river after leaving canal. Flag on Note A nailed to pile at corner. Photo 60-W-4452.

1243 - The offshore end of an overhanging mangrove limb about 60 ft. SE of the end of rounding point at the SE edge of a small bight that is formed by this limb and the point. Cut limbs. Note B. Photo 60-W-4471.

1244 - The top of a mangrove at the S edge of a small cove a large round overhanging limb is about 15 ft. north and overhangs cove. Cut limbs. Note A nailed to trunk. Note B. Photo 60-W-4472.

1245 - An overhanging mangrove limb about 40 ft. NE of the bottom of a V shaped bight. Cut limbs. Note A&B. Photo 60-W-4472.

1246 - A point of mangrove where shoreline turns from E to NE for about 15 ft. thence NNE into a V shaped cove where a drainage canal empties a bar which bares at MLW is at mouth of cove and about 60 ft. E of signal. Cut limbs. Note B&C. Photo 60-W-4472.

1247 - A detached 10 ft. tall mangrove with a 6 inch trunk that overhangs slightly about 50 ft. N of a point of low (cut) mangrove with a white sand foreshore. Cut limbs. Note A nailed to trunk. Note B. Photo 60-W-4472.

1248 - The NW corner of a broad faced pier. This is corner nearest gas pump. Not marked. Photo 60-W-4471

1249 - The seaward limb of a small mangrove tree that overhangs a white shell fringe about 20 ft. E of a large low overhanging mangrove limb at waters edge. Cut limbs. Note A&B nailed to limb. Photo 60-W-4471.

1250 - A low overhanging mangrove limb that lies in the water about 15 ft. off shoreline. Dead mangrove trees lie in the water along shoreline for several hundred ft. to the NW. The nearest being about 50 ft. Cut limbs. Note A&B. Photo 60-W-4471.

1251 - A small detached mangrove bush about 15 ft. E of a small island on an oyster bar. Top limbs cut off. Note B. Photo 60-W-4471.

FORM 182 (3-61)		PHOTOGRAMMETRIC OFFICE REVIEW T. 11412		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS RRW		2. TITLE RRW		3. MANUSCRIPT NUMBERS RRW	
		4a Classification label unclassified		4. MANUSCRIPT SIZE RRW	
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RRW		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) RRW		
	7. PHOTO HYDRO STATIONS RRW	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT MMS	
	11. DETAIL POINTS XX				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE RRW	13. LOW-WATER LINE RRW	14. ROCKS, SHOALS, ETC. XX	15. BRIDGES RRW	
	16. AIDS TO NAVIGATION RRW	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES RRW		
	19. OTHER ALONGSHORE CULTURAL FEATURES RRW				
PHYSICAL FEATURES	20. WATER FEATURES RRW		21. NATURAL GROUND COVER RRW		
	22. PLANETABLE CONTOURS XX		23. STEREOSCOPIC INSTRUMENT CONTOURS XX		
	24. CONTOURS IN GENERAL XX		25. SPOT ELEVATIONS XX		
	26. OTHER PHYSICAL FEATURES RRW				
CULTURAL FEATURES	27. ROADS RRW	28. BUILDINGS RRW	29. RAILROADS RRW		
	30. OTHER CULTURAL FEATURES RRW				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES RRW			34. JUNCTIONS RRW	
	35. LEGIBILITY OF THE MANUSCRIPT RRW	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT RRW	
	38. FIELD INSPECTION PHOTOGRAPHS RRW		39. FORMS RRW		
	SIGNATURE OF REVIEWER <i>R. K. Wagner</i>		SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT <i>M. M. Slavney</i>		
40. FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT - Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted in remarks on reverse side.					
SIGNATURE OF COMPILER			SIGNATURE OF SUPERVISOR		

TIDE COMPUTATION

PROJECT NO. Ph. 146 T. 11412

Time and date of exposure 1001 Nov 22, 1960

Reference station Tampa Bay

Mean range 0.7

Date of field inspection July 1961

Subordinate station Fort Myers, Caloosahatchee River

Ratio of ranges 0.50

	Time		Height feet	Height x Ratio of ranges	Range of tide
	h.	m.			
High tide	4	48	2.0	1.0	1.4
Low tide	13	45	-0.9	-0.4	
Duration of rise or fall	8	57			

	Time		High tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
High tide at Ref. Sta.	2	39			
Time difference	+	2	09		
Corrected time at Subordinate station	4	48			

	Time		Low tide at Ref. Sta.	Time difference	Corrected time at Subordinate station
	h.	m.			
Low tide at Ref. Sta.	10	48			
Time difference	+	2	57		
Corrected time at Subordinate station	13	45			

	h.	m.	feet	feet	Photo. No.
Time H. T. L. T.	13	45			
Required time	10	01	-0.4	Feature bares	
Interval	3	44	0.5	Stage of tide above MLW	60W4451
			0.1	Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	
Time H. T. or L. T.				Feature bares	
Required time				Stage of tide above MLW	
Interval				Feature above MLW	

Review Report

Shoreline Maps

T-11407 through T-11412

May 1965

61. General Statement

Area - The project encompasses the West Coast of Florida from Venice to Big Key Pass, including Charlotte Harbor and Port Myers.

Purpose - The object of this project is to provide shoreline and horizontal control data for hydrographic surveys, and to provide data for Nautical Chart revisions.

62. Comparison with Registered Topographic Surveys

T-5863	1:10,000	1943
T-5864	1:10,000	1943
T-5865	1:10,000	1943
T-5867	1:10,000	1943
T-5868	1:10,000	1943
T-5869	1:10,000	1943
T-5870	1:10,000	1943
T-5871	1:10,000	1943
T-5872	1:10,000	1943
T-5873	1:10,000	1943

Cultural and shoreline changes have been continuous with extensive cultural changes in the urban areas. These maps are to supersede the above surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Captiva	1:24,000	1958
Pine Island Center	1:24,000	1958
Port Myers IN	1:24,000	1957

Due to new construction there are cultural and shoreline differences.

64. Comparison with Contemporary Hydrographic Surveys

H-8364	1:20,000	1960
H-8365	1:10,000	1960
H-8398	1:10,000	1961

64. Continued

Shoreline and control of subject surveys was furnished prior to the hydrographic surveys and apparently no differences of importance exist.

65. Comparison with Nautical Charts

1255
855 20

1:80,000
1:40,000

1962 revised to 1963
1964

Differences exist. However, there are no items to be applied immediately.

66. Adequacy of Soundings and Picture Surveys

These surveys were prepared according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles Hemmer

Chief, Photogrammetric Branch

Chief, Nautical Chart Division

J. E. Waugh 8/7/65

Chief, Photogrammetric Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11412

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]