ORIGINAL

T-11697

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No. PH-5907 Office No. T-11697

CLASS II (Refer to page 6) and III

LOCALITY

State VIRGINIA

General locality NORTHAMPTON COUNTY

Locality OYSTER

19 59-62

CHIEF OF PARTY

George F. Wirth, Chief of Field Party
W. E. Randall, Baltimore District Office
V. Ralph Sobieralski, Tampa District Office
Alfred C. Holmes, Director, AMC

DATE

USCOMM-DC 5087

T-11697

FORM C&GS-181a
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T -11697

PROJECT NO. (II):

PH-5907

FIELD OFFICE (II):	CHIEF OF PARTY
Keller, Virginia	G. F. Wirth
PHOTOGRAMMETRIC OFFICE (III): Baltimore, Maryland Tampa, Florida	OFFICER-IN-CHARGE Wm. E. Randall V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):

Field: October 20, 1959
Field: Amendment 1 - April 26, 1960
Office: December 28, 1960
Office: Amendment 1 - August 10, 1961
Office: Amendment 2 - September 29, 1961

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:10,000	Inapplicable
DATE RECEIVED IN WASHINGTON OFFICE (IV): OCT 9 1963	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):	VERTICAL DATUM (III): M. H. W. EXCEPT AS FOLLOWS:
N. A. 1927	*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):

MORGAN 2, 1910

LAT.:	LONG.:	
37°17'07.369"N (227.2m.)	75°55'14.243"W (350.8m.)	[X] ADJUSTED [ ] UNADJUSTED

PLANE COORDINATES (IV):		STATE	ZONE
Y = 356,872.58 Ft.	X = 2,750,322.15 Ft.	Virginia	South

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.

USCOMM-DC 16276A-P61

FORM C&GS-181b
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): G. F. Wirth, R. S. Tibbetts, P. C. Specht	DATE: April 1960
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photographs: October 1959 and April 1962	
PROJECTION AND GRIDS RULED BY (IV): R. A. C.	DATE Dec. 1960
PROJECTION AND GRIDS CHECKED BY (IV): J. D. C.	DATE Jan. 1961
CONTROL PLOTTED BY (III): J. C. Richter	DATE Jan. 1961
CONTROL CHECKED BY (III): F. J. Torcza	DATE Jan. 1961
RADIAL PLOT ~~OR STEREOSCOPIC~~ CONTROL EXTENSION BY (III): H. R. Rudolph	DATE Feb. 1961
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY — DATE
	CONTOURS — DATE
MANUSCRIPT DELINEATED BY (III): J. C. Richter (Baltimore) I. I. Saperstein and R. E. Smith, (Tampa) Reviewed by: I. I. Saperstein	DATE June 196 1 July 1962 July 1962
SCRIBING BY (III): R. Dossett Reviewed by: R. R. Wagner	DATE Mar. 1963 Apr. 1963
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse	DATE June 1963
REMARKS:	

USCOMM-DC 16276B-P61

FORM C&GS-181c (12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS Nine-lens and Wild "W"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60558	Oct.13,1959	1133	1:10,000	0.1 ft above MLW
60559	"	1133	"	0.1 " "
60586	"	1149	"	0.2 " "
60587	"	1150	"	0.2 " "
62-W-3999	Apr.28,1962	1310	"	3.3 " "
62-W-4000	"	1310	"	3.3 " "
62-W-4001	"	1311	"	3.3 " "
62-W-4002	"	1311	"	3.3 " "

Predicted TIDE (III)

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	Sandy Hook	-	4.6	5.6
SUBORDINATE STATION:	Sand Shoal Inlet (C.G. Station)		4.1	4.9
SUBORDINATE STATION:				

Atlantic Marine Center REVIEW BY (IV): C. H. Bishop — DATE: Dec. 1973

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	3	RECOVERED: 3	IDENTIFIED: 3
NUMBER OF BM(S) SEARCHED FOR (II):	3	RECOVERED: 3	IDENTIFIED 2

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 2*

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

*1 marked and described; 1 natural object, no description.

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete	Jan. 1962	Superseded
Revised from April 1962 photographs Manuscript complete pending ~~field edit.~~	July 1962	Superseded *
Final review	Dec. 1973	

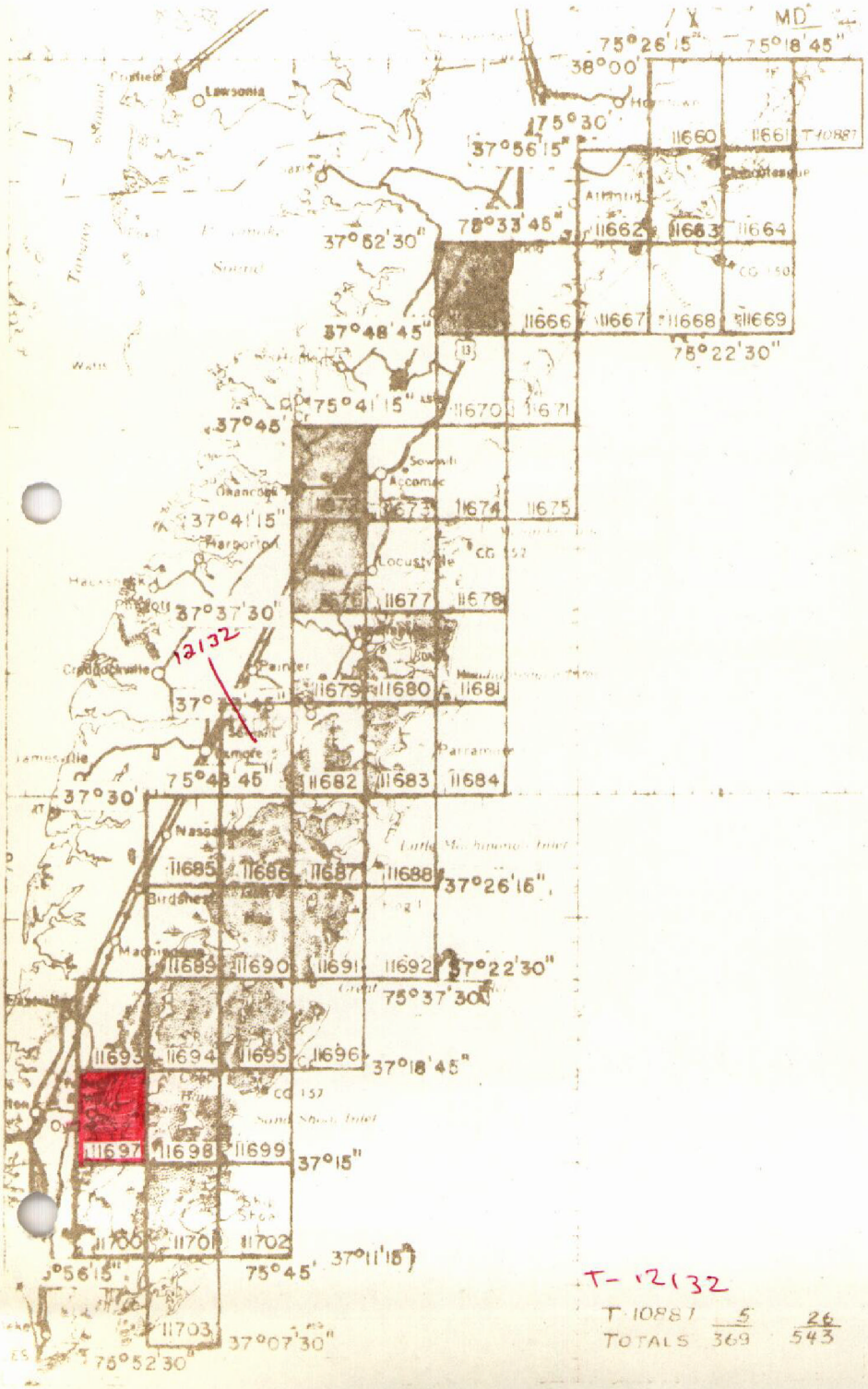
* This map was not field edited

5

PH-5907

CAPE CHARLES TO ASSATEAGUE, VA

Planimetric Mapping Scale 1:10,000



T-12132

T-10881 5 26

TOTALS 369 543

OFFICIAL MILAGE
FOR COST ACCOUNTS

Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
11660	6	10
11661	6	15
11662	13	19
11663	7	23
11664	8	16
11665	17	0
11666	16	8
11667	7	8
11668	1	1
11669	1	4
11670	16	1
11671	8	15
11672	17	0
11673	16	5
11674	8	16
11675	1	4
11676	16	0
11677	13	10
11678	8	16
11679	16	8
11680	11	32
11681	4	10
11682	8	15
11683	11	15
11684	2	3
11685	16	4
11686	4	15
11687	6	20
11688	6	15
11689	13	11
11690	4	11
11691	4	16
11692	2	3
11693	11	11
11694	6	16
11695	4	19
11696	4	9
11697	11	20
11698	6	16
11699	4	13
11700	8	16
11701	8	14
11702	4	11
11703	6	23

11-9-61

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-11697

This 1:10,000 scale shoreline manuscript is one of 43 maps that comprise Project PH-5907, Cape Charles to Assateague, Virginia. The project diagram on page 5 indicates the location of this map in the project.

Field inspection before compilation was done in April, 1960.

Compilation was done graphically, using 9-lens photographs taken in October 1959. Control was based on a radial plot using the 9-lens photography. Compilation was revised in July, 1962, using ratio prints of single lens photography taken in April, 1962, after the * March 1962 hurricane. Revision was from office interpretation of the photos without the benefit of field inspection.

No field edit of this map was accomplished.

Final review was done at the Atlantic Marine Center in December, 1973.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude.

A cronaflex copy of the final reviewed manuscript and a negative have been forwarded for record and registry.

* The registered map copy is labeled CLASS II. The extent of revision with 1962 photographs is unknown JB

Field Inspection Report

PH-5907

Eastern Shore of Virginia

2. Areal Field Inspection

This report covers the southern seven maps in Northampton County, sheets 11697 thru 11703.

Most of the area is salt marsh which covers at high water. There are many deep channels through the marshes, but most of these channels are choked at the ocean or where they enter large bays. The ocean beach is lined with various sized sand dunes.

The photography was satisfactory.
A shack under construction on Black Rock Channel, at Goodwin Island, should be investigated by the field edit party.

The hydro party should investigate a charted wreck on Wreck Island. See section 8 of this report for details.

3. Horizontal Control

Stations not recovered, which were control requirements:

Magothy Bay, Channel Light No. 6

Smith
Smith 2
Smith Hydrographic
Smith's Island North 2
Mink
Mink 2
Ship Shoal 3
Wreck 3
Sand Shoal Inlet, the Spit Beacon
Sand Shoal Inlet, Running Channel Black Beacon
Cobb 3

None of these stations could be found. Many stations bordering the ocean were lost due to erosion. The shacks were destroyed by fire or hurricanes.

All the stations on the sheets that had not been previously reported as lost were reported on Form 526 at this time.

Reported As Lost On Form 526:

Magothy Bay Channel Light No 6, 1954
Smith Hydrographic, 1929
New Inlet, East Gable, East Shack, 1934
House on Flats, Center, 1934
Wreck No 3, 1933
Spit Light, Sand Shoal Channel Red Beacon, 1933
Sand Shoal Channel, Black Beacon (Fl W)
Running Channel, 1933
Shack On Piles, Northeast Gable, 1934

All C&GS control in the area was searched for.

4. Vertical Control

The recovery of tidal Bench Marks was required for the Project.

Bench Marks recovered:

BM 1 (U.S.E.) (Oyster)
BM Morgan 2 (Oyster)
BM R-86 (Oyster)
BM 2, 1934 (Cobb Island Coast Guard)

Bench Marks reported lost:

BM 1, 1943 (Cobb Island C.G.)
BM 3, 1934 (Cobb Island C.G.)

5. Contours and Drainage

No contours were required.

Drainage is in the form of small streams and ditches. Drainage was delineated and swampy areas outlined. All drainage was examined under the stereoscope and little difficulty should be encountered in picking it out.

6. Woodland Cover

Tree areas and orchards were identified and labeled on the photos. Most of the woodland cover consists of slash pine and various hard woods, often intermixed.

7. Shoreline and Alongshore Features

Most of the area is salt marsh which is covered at high water. Fast ground is indicated by the presence of trees, sand dunes, or clumps of small bushes which show as a light gray grainy texture on the photos (see notes on photos). The MHWL has been delineated on the

photos.

The apparent MHWL is usually found at the edge of the marsh grass. The marsh grass shows as a darker gray even texture on the photos, as compared with the mud banks, which show lighter gray with a wrinkled texture. The apparent MHWL has been delineated where it is not self evident. The apparent MHWL along the west side of Mockhorn Island on sheet 11700 was extremely hard to delineate due to poor contrast on the photos. It was noted on the 9 lens photos by walking the shoreline.

The outer chain of islands is covered with sand dunes, which wash and drift back over the marsh. In some areas the sand has washed back and exposed the old marsh on the ocean side. The dunes are covered with sparce tough grass, and small bushes.

The outer islands are changing rapidly. A comparison with 1942 maps shows that Wreck Island has had about ½ mile of its southern end eroded away while the northern end has built up. Build up has also taken place on Smith Island; and Bungalow Inlet has shifted northeastward.

Signs marking shore ends of submarine cables have been identified and labeled.

All other features have been noted on the photos.

8. Offshore Features

The low water line has been delineated on the photos where possible. Much of the area is very flat, and the low water line does not not show very well.

Many oyster shell piles are scattered throughout the shallow bays, and alongside the channels. They present a definite hazard to small boats attempting to cross them. The piles show as small white areas on the photos, and have been labeled.

No trace of the wreck charted at lat. 37°17.0' long. 75°47.5' could be found. This is right near the beach so it could have been washed away or buried. The hydro party should investigate this item.

9. Landmarks and Aids

Landmarks and aids for nautical and aeronautical charts were investigated and reported on Form 567. The black and white prints of the color photography were field edited and labeled. Fixed aids which did not show up on the photos were located by ground survey methods from photo points and triangulation stations.

10. Boundaries, Monuments, and Lines

There are no boundaries, monuments or lines to be mapped in the area.

11. Other Control

All previously marked Topographic stations that could be of value to hydrography were searched for and reported on form 524.

The following were recovered:

SUN 1942 CUT 1942

The following were reported lost or destroyed:

BAT 1942
BIT 1942
BUN 1942
Cobb Island Coast Guard Sta Tidal BM 1 (1942)
FOX 1942
INK 1942
KIT 1942
LAP (1942)
LOT 1942
NAP 1942
POT 1942
PUN 1942
REC 1942

The following monumented topographic stations were established:

BM R 86 (1960)
COBB BM 2, 1934 (1960)

To meet the mimimum spacing requirements of a recoverable station every 2 miles, stations should have been established at about lat. 37°15.8', long. 75°47.9' (Wreck Island) and Lat. 37°15.8', Long. 75°51.6' (New Marsh).

Due to lack of time a Topographic station was not established in these areas. It is not felt necessary to revisit the area to establish these

stations, since many stations (such as Cobb Island Coast Guard Station, Cape Charles Lighthouse) are clearly visable from up to 10 miles.

Photo points 001, 003 thru 009 were used to locate topographic stations and fixed aids.

12. Other Interior Features

Roads used only for access to fields have been labeled "FS", for Farm Service.

There were no bridges or cable clearences required in the area.

All other features were noted on the photos.

13. Geographic Names

Local inquiry disclosed no discrepencies of geographic names in the area.

14. Special Reports and Supplemental Data

Coast Pilot Report - The following changes should be made in "U.S.C.P. 3-Atlantic Coast- Sandy Hook to Cape Henry-Sixth(1953) Edition":

Page 214 - line 43 should read;

A newly dredged channel, with a controlling depth of 3 feet in April 1959, leads from Chesapeake Bay across the southeasterly tip of Cape Charles in to deep water in Magothy Bay. The entrance to this inlet from the Chesapeake Bay is now choked with sand. Surf breaks over the entrance in rough weather along a north-south line through Light "34". Magothy is a village on the west side.....

Page 215 - lines 4-5-6 should be deleted

A power cable over .....clearance of 19 feet.

A Coast Pilot Report was also submitted under separate cover 7 June 1960. — G.F.W.

Respectfully Submitted
7 June 1960

George F. Wirth

George F. Wirth, Chief of Party

PHOTOGRAMMETRIC PLOT REPORT
Project Ph-5907
Surveys Nos. T-11697 thru T-11703

21. AREA COVERED

This radial plot covers the total area of surveys Nos. T-11700 through T-11703 and the central and southern portions of surveys Nos. T-11697 through T-11699. These are planimetric surveys along the Atlantic Coast from Cape Charles northward to Sand Shoal Inlet, and extending westward to just west of Magothy Bay.

22. METHOD-RADIAL PLOT

Map Manuscripts:
Vinylite sheets with polyconic projections in black and Virginia State Grid, South Zone in red were furnished by the Washington Office.

The positions of all horizontal control stations and substitute points were plotted on the manuscripts with the Coordinatograph.

A sketch showing the layout of the surveys, distribution of control, and photograph centers is attached to this report.

Photographs:
Thirty (30) nine-lens photographs taken in October 1959 at a scale of 1:10,000 were used in the plot, numbered as follows:

60402 through 60410
60545 through 60560
60586 through 60590

Templets:
Vinylite templets were made for each ~~templet~~ photograph using the master templet to correct for chamber displacement.

Closure and Adjustment to Control:
The manuscripts for the plot were joined together by matching common grid lines.

The plot was laid directly on the map manuscripts.

The templets for 60555 and 60556 were laid first since they contained the most control. The rest of the flight, 60554 through 60560, was then laid followed by the flight 60586 through 60590. The other two flights were then laid and with very few minor adjustments to the templets a satisfactory plot was constructed. While laying the templets for 60405, 60406, and 60407 it was noted that one control station, SHIP SHOAL ISLAND WHITE PYRAMID NO. 6 1959, which had not been identified by the field party could be office identified. This point was pricked and the station held in the

plot. CHERITON WEBSTER CANNING CO. STACK 1939 and CHERITON WEBSTER CANNING CO. TANK 1939 were also identified in this office and held in the plot. Only one identified control station, SAND SHOAL INLET MIKES SAND BEACON 1933, was not held in the plot.

Transfer of Points:

The positions of all passpoints, photograph centers and radially plotted positions of control were pricked on the top templets and drilled through the templets and map manuscripts.

23. ADEQUACY OF CONTROL

The density and distribution of control was adequate. The field identification of control was good.

One identified control station could not be held in the plot.

SAND SHOAL INLET MIKES SAND BEACON 1933 - The radially plotted position falls approximately 7.8 mm SE of its grid position. This beacon has been identified on nine-lens photograph No. 60546 as SAND SHOAL INLET BLACK BEACON 1934. However, on single lens photograph 59-W-9804 the same image has been identified as an Aid to Navigation, SAND SHOAL INLET MIKES SAND LIGHT. There is no coordinate or geographic position available to this office for SAND SHOAL INLET BLACK BEACON 1934, and also there is no description for SAND SHOAL INLET MIKES SAND BEACON 1933. However, on page 20 of cahier 376 the description for SAND SHOAL INLET BLACK BEACON 1933 recovered 1934 states, "This beacon carried away in storm of August 1933 and since rebuilt. It was relocated by this party in 1934". Since no other beacon appears on the photographs, it is believed that MIKES SAND BEACON 1933 no longer exists and that the radially plotted position is the position of SAND SHOAL INLET BLACK BEACON 1934.

MAGOTHY CHANNEL DAYBEACON NO. 3 1934, had been plotted on the margin of survey T-11700. This station should be considered lost as the only Aid in this vicinity is Ship Shoal Channel to Fisherman's Inlet Light 20 as identified by the field party and also as shown on chart 1222.

The radially plotted positions of two (2) shacks that were identified as Landmarks fell so close to the positions of 1959 control that the radially plotted position of the Landmarks have not been shown. They are as follows:

SHACK (East Gable) Ht. 21 (23) - Approximately 0.1 mm east of
OLD HOUSE CREEK HOUSE NO. 1 1959.
SHACK (NW Gable) - too close to measure to RED DRUM DRAIN SHACK NO. 3 1959

24. SUPPLEMENTAL DATA

None used.

25. PHOTOGRAPHY

Adequate.

Respectfully submitted
27 February 1961

H. R. Rudolph

H. R. Rudolph
Carto. (Photo.)

Plotted by J.C.R 1/16/61
Checked by [illegible] Date 1/16/61

Photogrammetry

MAP T-11697 PROJECT NO. PH-5907 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)
SEAVIEW 1939	Va S 75	N.A. 1927	347,780.72 2,742,912.01				106,003.77 836,041.22
SUB - PT.			347 949.35 2 742 933.82				106,055.17 836,047.87
MORGAN 2 1910	Va S 49	1927	356,872.58 2,750,322.15				108,774.98 838,299.84
SUB-PT			356 819.00 2 750 525.89				108,758.64 838,361.94
OYSTER * (1954) CHANNEL LT NO.6	Va S 258	1927	358 248 2 750 720				109,194.21 838,421.10
CHERITON, WEBSTER CANNING CO., STACK 1939	VA S 75	1927	358 930.49 2 738 875.60	west of limits			109 402.2 834 810.9
CHERITON, WEBSTER CANNING CO., TANK 1939	VA S 75	1927	359 126.49 2 738 899.58	west of limits		Not Used	109 462.0 834 816.2
* NO CK. THREE PT. FIX							

1 FT. = .3048006 METER

COMPUTED BY: JDL DATE 1/11/61 CHECKED BY: J.C. Richter DATE 1/12/61

M-2388-12

COMPILATION REPORT

T-11697 - T-11698 - T-11699

PHOTOGRAMMETRIC PLOT REPORT

See Descriptive Report for T-11703.

31. DELINEATION

These manuscripts were compiled by the graphic method. They were compiled north to latitude 37°17'30" by the Baltimore office and were completed by the Tampa office. 1962 single-lens photographs were used to revise the shoreline. Revision was done without benefit of field inspection.

32. CONTROL

Identification, density and placement of the horizontal control was satisfactory. Refer to Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours inapplicable.

Drainage is all perennial due to the low marsh land.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. Low-water line was delineated where clearly visible on the photographs and from field inspection.

36. OFFSHORE DETAILS

Refer to item 8 of the field inspection report.

37. LANDMARKS AND AIDS

Landmarks and aids have been listed on form 567. Transmittals of these forms were made March 27, 1961 by the Baltimore District Office and February 2 and 5, 1962 by Tampa District Office.

38. CONTROL FOR FUTURE SURVEYS

Six forms 524 are being submitted for stations not recovered by the field party. Two are submitted with T-11697, one with T-11698 and 3 with T-11699.

Three topographic stations have been established and are listed under item 49. Forms 524 for two are submitted, one with T-11697, the other with T-11699. The third station is a house gable and no form 524 was submitted.

39. JUNCTIONS

Junctions have been made as follows:

T-11697 junctioned with T-11693 to north, T-11698 to east and T-11700 to south. Manuscript T-11245 in Project PH-119 to west not available for junction.

T-11698 junctioned with T-11694 to north, T-11699 to east, T-11701 to south and T-11697 to west.

T-11699 junctioned with T-11695 to north, open waters to east, T-11702 to south and T-11698 to west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 THROUGH 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. CHERITON quadrangle, scale 1:24,000, dated 1955, and U.S.G.S. COBB ISLAND quadrangle, scale 1:24,000, dated 1942.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with nautical chart 1222, scale 1:80,000, 19th edition, dated December 1961.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

John C. Richter (in part)
Cartographer (Photo)

Completed by:
William H. Shearouse
William H. Shearouse
Cartographer (Photo.)

APPROVED AND FORWARDED - 4 OCT 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11697

Brockenberry Bay
Brockenberry Channel
Cobb Mill Creek
Crow Bay
Elkins Marsh
Mockhorn Bay
Mockhorn Channel
Mockhorn Island
Narrow Channel
Narrow Channel Branch
Newall Channel
Newall Channel Drain
Oyster
Oyster Channel
Oyster Slip
Point of Rock Channel
Point of Rock Drain
Ramshorn Channel
Sand Shoal Channel
Spada Creek
The Thorofare
Two Mouths Creek
Wilkins Creek

Approved:
A. J. Wraight
A. Joseph Wraight
Chief Geographer

Prepared by:
Frank W. Pickett
Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

Two topographic stations were located:

BM R86, 1960

HOUSE (S.E.GABLE) 1960 (n.d.)

At approximate latitude 37° 17.1', longitude 75° 53.6' there is a sign for cable crossing. The field inspector did not indicate the direction for the cable crossing. Chart 1222 does not show a cable crossing in this area.

FORM 182 (3-61)

PHOTOGRAMMETRIC OFFICE REVIEW

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

50.

T- 11697

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
WHS	WHS 2a. Classification Unclassified	WHS	WHS

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS)
WHS	WHS

7. PHOTO HYDRO STATIONS	8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT
XX	WHS	XX	BALTIMORE

11. DETAIL POINTS: WHS

ALONGSHORE AREAS (Nautical Chart Data)

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
WHS	WHS	XX	XX

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES
WHS	WHS	WHS

19. OTHER ALONGSHORE CULTURAL FEATURES: WHS

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER
WHS	WHS
22. PLANETABLE CONTOURS: XX	23. STEREOSCOPIC INSTRUMENT CONTOURS: XX
24. CONTOURS IN GENERAL: XX	25. SPOT ELEVATIONS: XX

26. OTHER PHYSICAL FEATURES: WHS

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS
WHS	WHS	XX

30. OTHER CULTURAL FEATURES: WHS

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
XX	XX

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS
WHS	WHS

35. LEGIBILITY OF THE MANUSCRIPT	36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT
WHS	XX	WHS

38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
WHS	WHS
SIGNATURE OF REVIEWER: William H. Shearouse William H. Shearouse	SIGNATURE OF SUPERVISOR, REVIEW SECTION OR UNIT: Milton M. Slavney by WHS. Milton M. Slavney

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

USE REVERSE SIDE FOR REMARKS

USCOMM-DC 25353-P61

Form 567
(10-18-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~AND LANDMARKS~~ FOR CHARTS

~~TO BE CHARTED~~
~~TO BE REVISED~~
~~TO BE DELETED~~ } STRIKE OUT TWO

Baltimore, Maryland 27 March 1961

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~the~~ the charts indicated.

The positions given have been checked after listing by F. J. Tarcsa

William E. Randall *Chief of Party.*

STATE	VIRGINIA		POSITION					METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
			LATITUDE*			LONGITUDE*							
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS	DATUM						
	SAND SHOAL CHANNEL TO FISHERMAN INLET												
DBN 1	Black square daymark on pile		37 17	09.47 292	75 53	34.10 840	N.A. 1927	Fld. Plot. T-11697	4/7/60		x		1222
DBN 3	Black square daymark on pile		37 16	50.21 1548	75 53	48.63 1198	"	"	"		x		"
LT 4	Light and red triangular daymark on dolphin		37 15	54.07 1667	75 54	01.30 32	"	"	"		x		"
LT 7 *	Light and black triangular daymark on dolphin		37 15	01.82 56	75 53	10.22 1213	"	"	"		x		"
LT	Mockhorn Channel Junction Light, light & red & black slatted pile struc.		37 17	19.50 601	75 53	46.24 1139	"	"	"		x		"
LT	Oyster Channel Entrance Light, light & black slatted pile structure		37 17	45.06 1389	75 54	19.00 468	"	"	"		x		"
LT 2	Oyster Channel Light 2 light & red slatted pile structure		37 17	20.37 628	75 54	37.47 923	"	"	"		x		"
LT 4	Oyster Channel Light 4 light & red slatted pile structure		37 17	16.74 516	75 54	47.78 1177	"	"	"		x		*
LT 6	Oyster Channel Light 6, 1954		37 17	20.86 643.1	75 55	08.86 218.2	"	Three pt. fix	"		x		"
	Field descriptions as of 5 April 1960												
	* 1961 Light List shows this as a black square daymark												

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 27125

24

Form 567
(10-15-58)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~ADDED/REVISED~~
~~DELETED~~
} STRIKE OUT TWO

Baltimore, Maryland 27 March, 1962

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

The positions given have been checked after listing by F. J. Torsa

William E. Randall *Chief of Party.*

STATE VIRGINIA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	″ D.M. METERS	LONGITUDE* ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
HOUSE	S. E. Cable on large building No. 12 (63')		37 17	34.79 1456	75 55	17.90 443	N.A. 1927	P168 T-11697	6/13/60		X		1222

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 27126

REVIEW REPORT T-11697

SHORELINE

December 7, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

An ozalid comparison print, showing differences noted in Par. 62 and 63, is bound with the original of this report.

T-11697 supersedes previous topographic surveys for nautical chart construction purposes.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8177 (Cheriton, VA), 1:20,000 scale, dated 1943. Significant shoreline differences were shown in blue on the comparison print.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with USGS Quadrangle CHERITON, VA, 1:24,000 scale, dated 1955. Significant shoreline differences were shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There were no contemporary hydrographic surveys for comparison.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with Chart 1222, 1:80,000 scale, 36th edition, dated June 30, 1973. No significant shoreline differences were noted. Names and numbers of fixed aids to navigation have been changed. They appear on T-11697 as they existed in April, 1960.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved and forwarded:

Jeffrey G. Carlen, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:

Alfred C. Holmes, RADM, NOAA
Director, Atlantic Marine Center

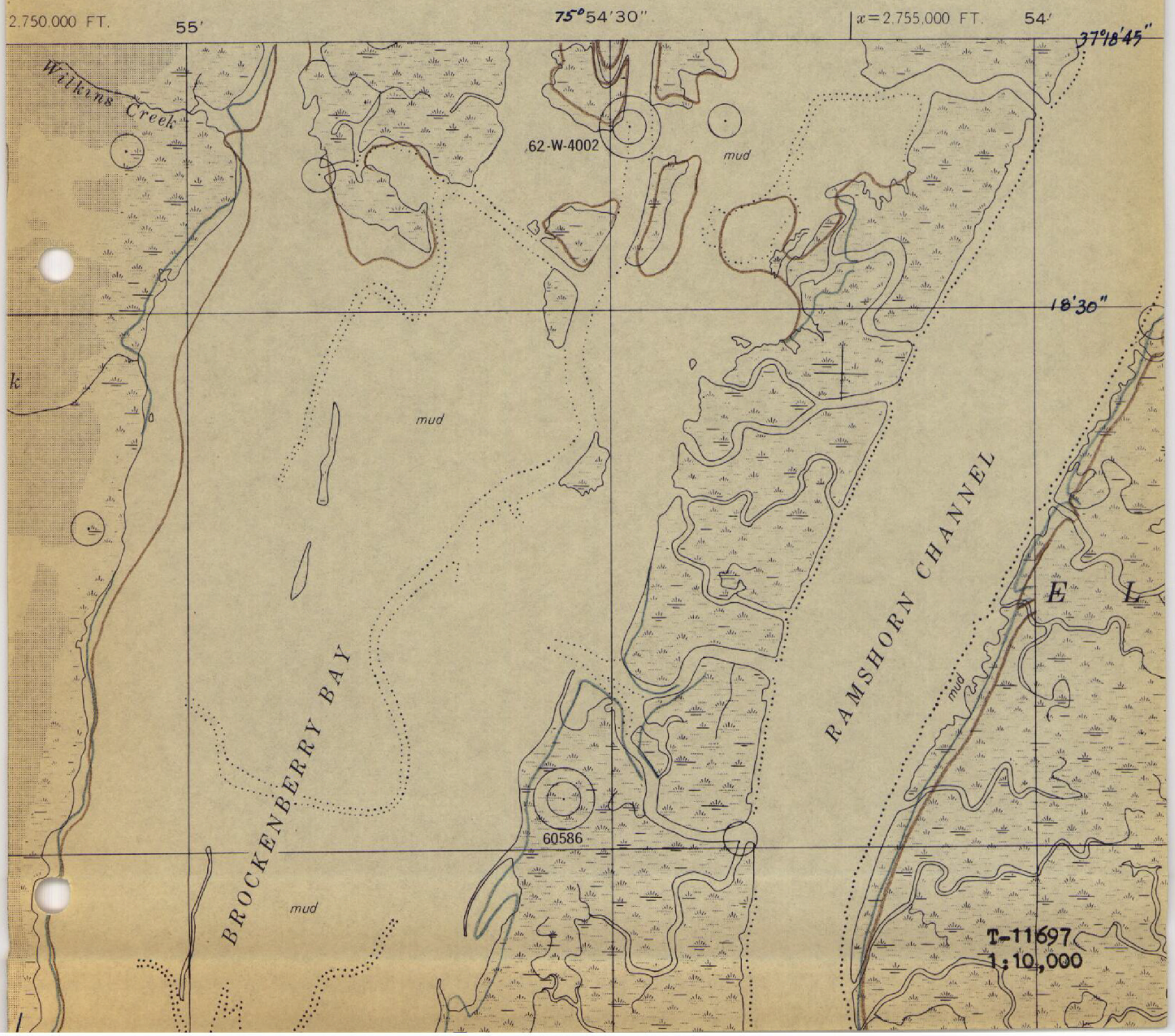
Approved:

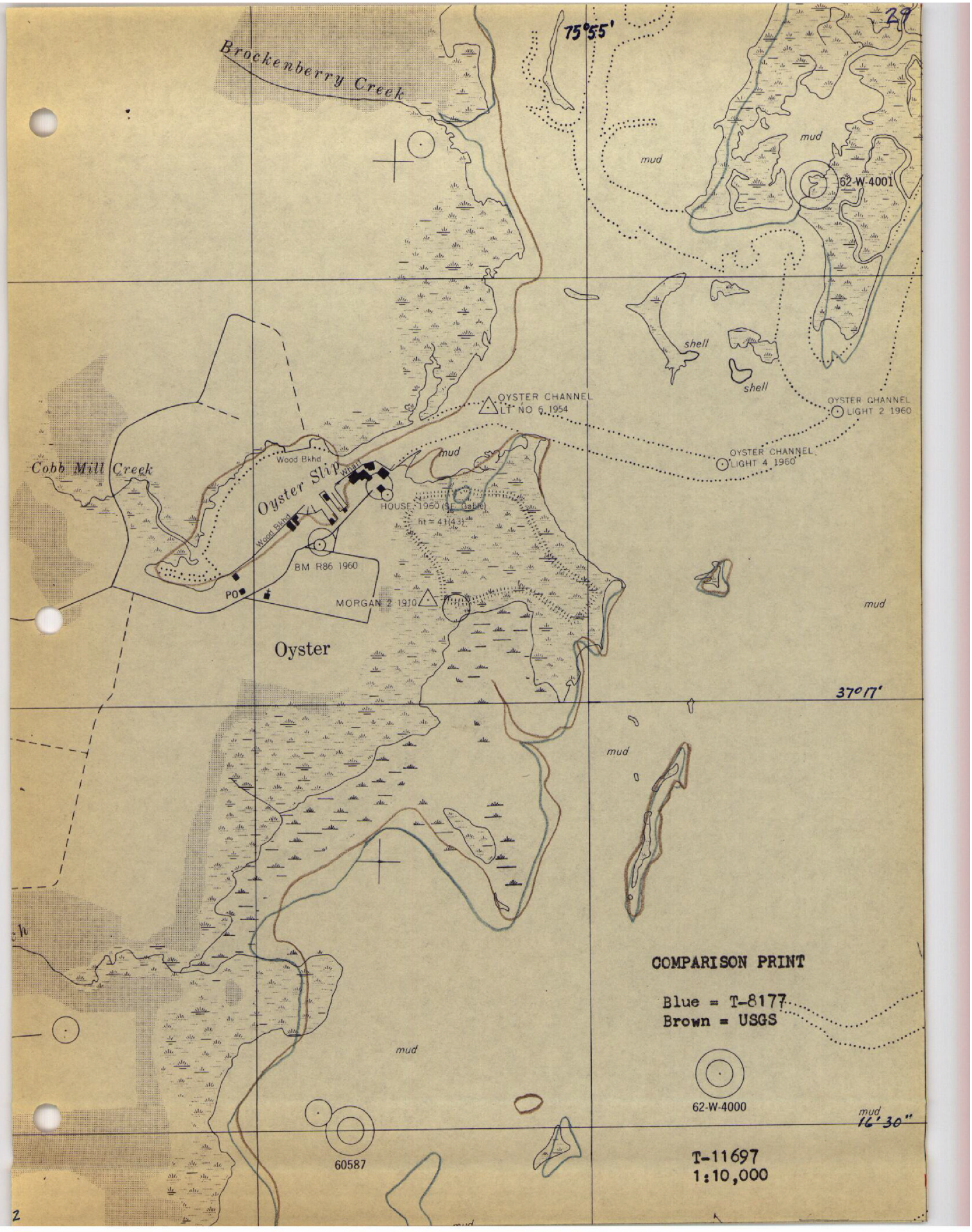
Chief, Photogrammetric Branch

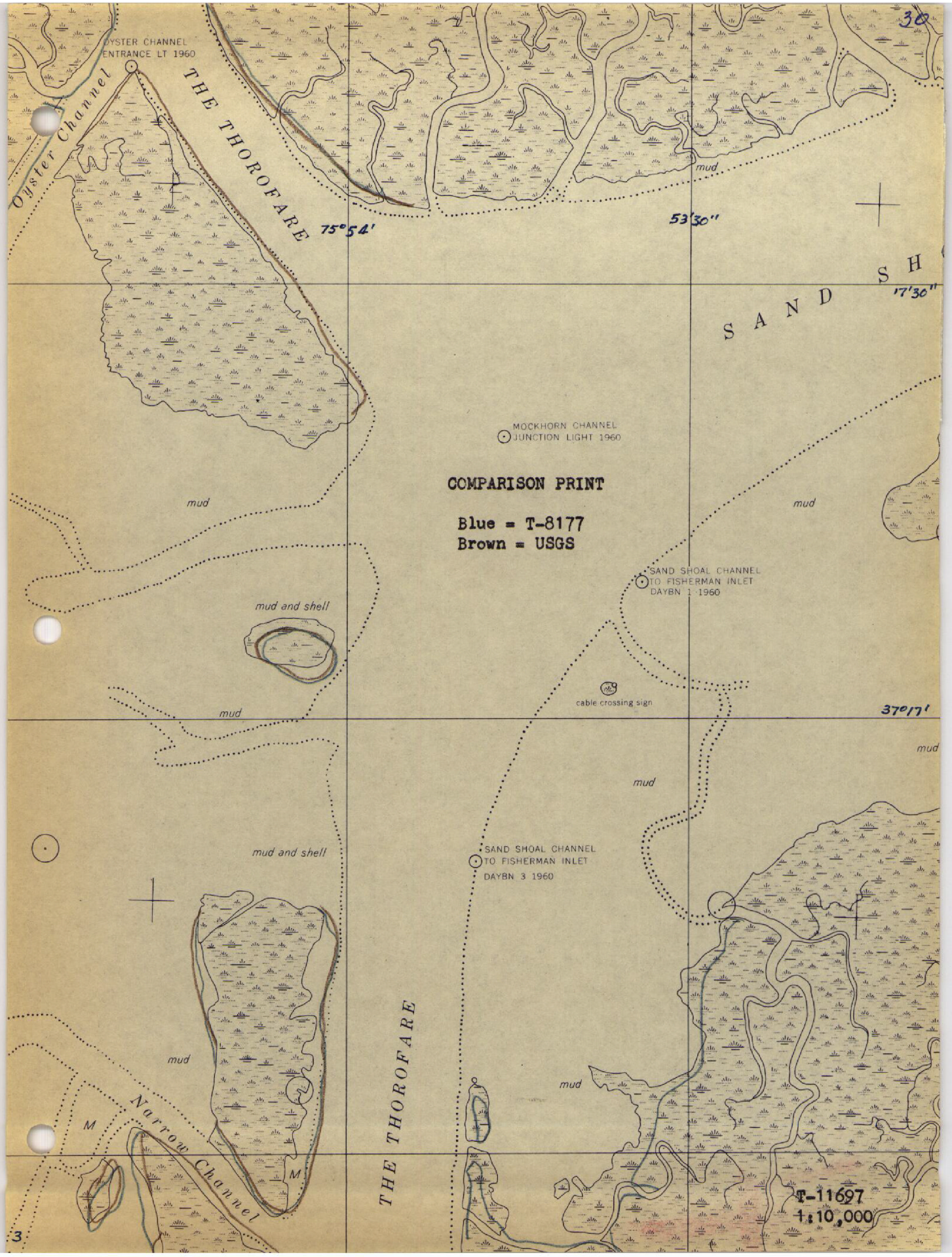
Chief, Coastal Mapping Division

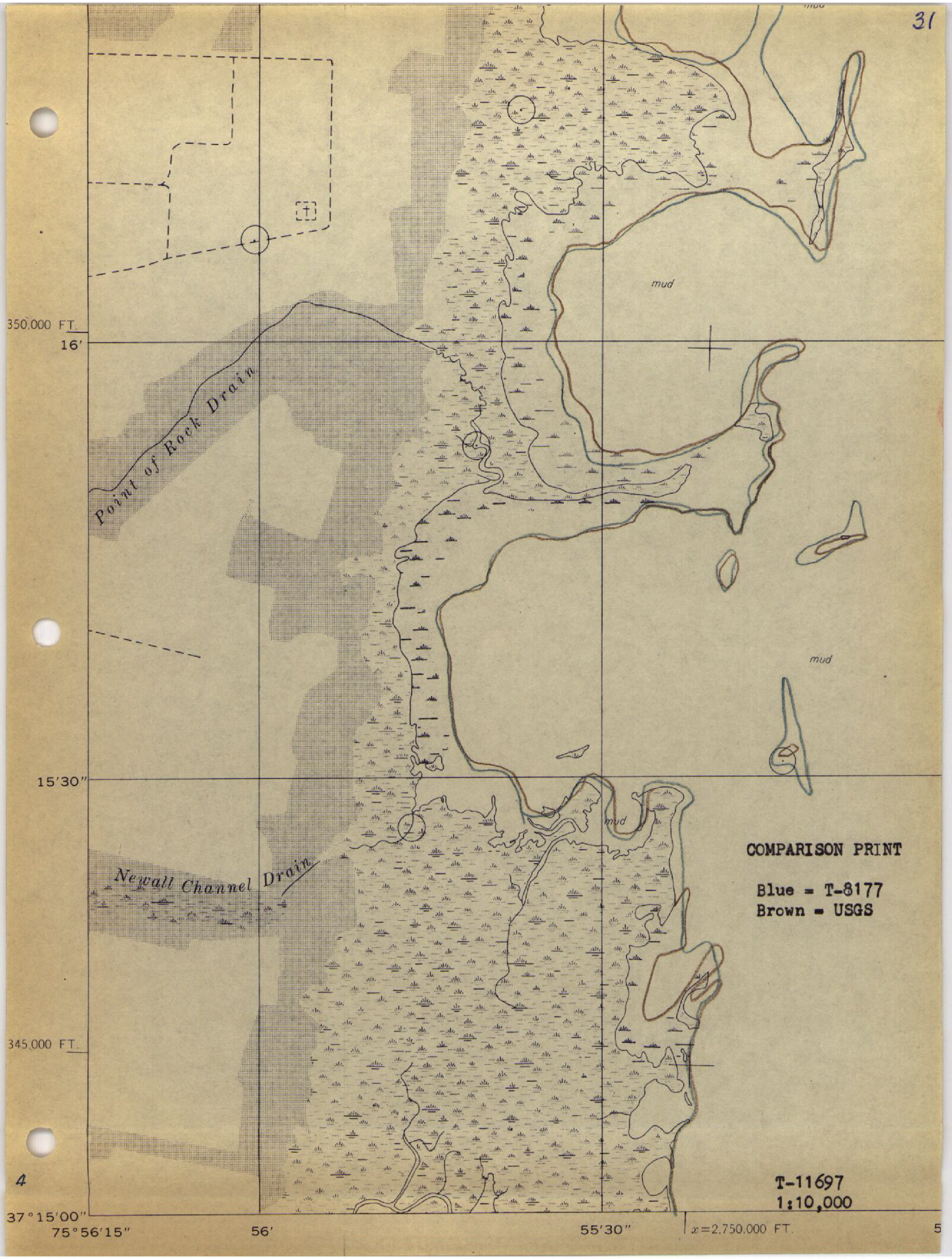
COMPARISON PRINT

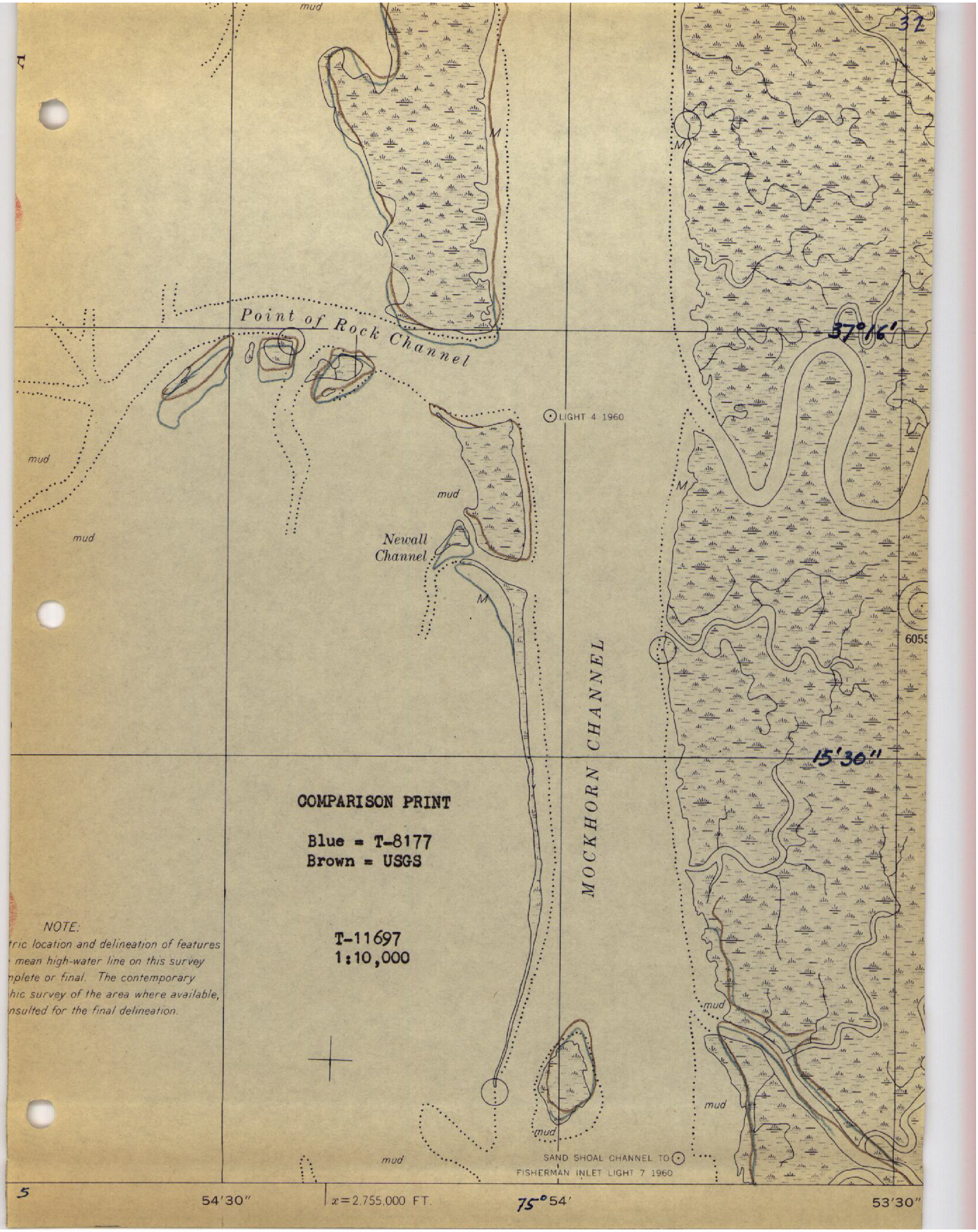
Blue = T-8177
Brown = USGS




Brockenberry Creek
75°55'
29
mud
62-W-4001
shell
shell
OYSTER CHANNEL
LT NO 6 1954
OYSTER CHANNEL
LIGHT 2 1960
OYSTER CHANNEL
LIGHT 4 1960
Cobb Mill Creek
Wood Bkhd
Oyster Slip
WHSE
HOUSE 1960 (SE Gable)
ht = 41(43)
Wood Bkhd
BM R86 1960
PO
MORGAN 2 1910
Oyster
mud
37°17'
mud
mud
COMPARISON PRINT
Blue = T-8177
Brown = USGS
62-W-4000
mud
16'30"
60587
T-11697
1:10,000


OYSTER CHANNEL
ENTRANCE LT 1960
Oyster Channel
THE THOROFARE
75°54'
53'30"
SAND SH
17'30"
MOCKHORN CHANNEL
JUNCTION LIGHT 1960
COMPARISON PRINT
Blue = T-8177
Brown = USGS
mud
mud and shell
SAND SHOAL CHANNEL
TO FISHERMAN INLET
DAYBN 1 1960
cable crossing sign
37°17'
SAND SHOAL CHANNEL
TO FISHERMAN INLET
DAYBN 3 1960
THE THOROFARE
Narrow Channel
M
T-11697
1:10,000


mud
mud
mud
Point of Rock Drain
Newall Channel Drain
350,000 FT.
16'
15'30"
345,000 FT.
37°15'00"
75°56'15"
56'
55'30"
x=2,750,000 FT.
COMPARISON PRINT
Blue = T-8177
Brown = USGS
T-11697
1:10,000


mud
Point of Rock Channel
LIGHT 4 1960
mud
mud
mud
Newall Channel
M
MOCKHORN CHANNEL
37°16'
15'30"
COMPARISON PRINT
Blue = T-8177
Brown = USGS
T-11697
1:10,000
NOTE:
tric location and delineation of features
mean high-water line on this survey
nplete or final. The contemporary
hic survey of the area where available,
nsulted for the final delineation.
mud
mud
mud
mud
SAND SHOAL CHANNEL TO
FISHERMAN INLET LIGHT 7 1960
54'30"
x = 2,755,000 FT.
75°54'
53'30"