ORIGINAL

T-11699

T-11699

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Job No. PH-5907 *Map No.* T-11699

Classification No. II & III *Edition No.*

(refer to page 6)

LOCALITY

State VIRGINIA

General Locality NORTHAMPTON COUNTY

Locality WRECK ISLAND

1959 TO 1962

REGISTRY IN ARCHIVES

DATE 1 JUL 1975

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-761-152

T-11699

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compiled	Feb. 1962	Superseded
Revised from April 1962 photos	July 1962	Superseded
Final review	Dec. 1973	

Missing
1-3 pages

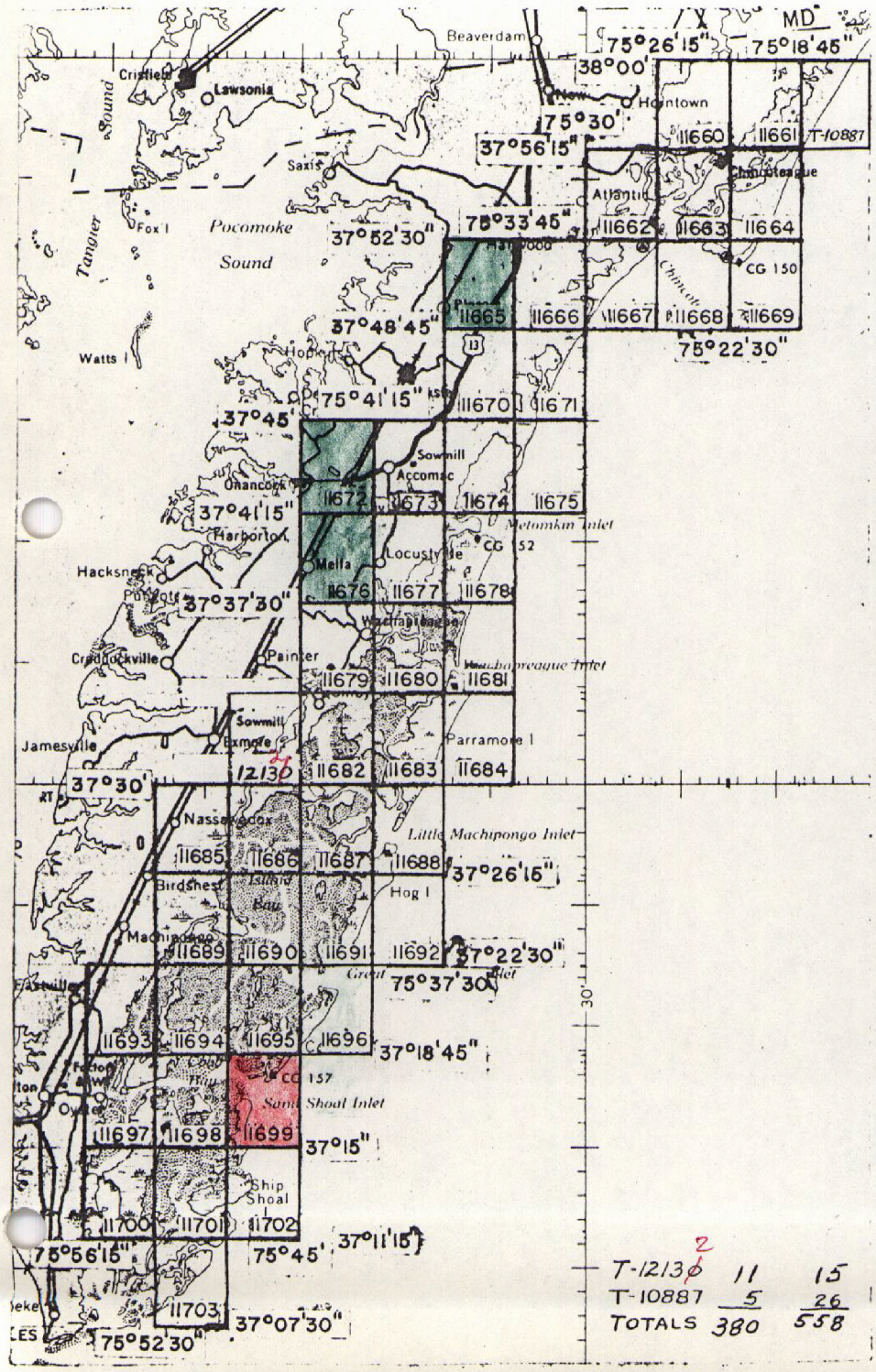
9-13-95
SB

PH-5907

5

CAPE CHARLES TO ASSATEAGUE, VA

Planimetric Mapping Scale 1:10,000



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

T-12130 2	11	15
T-10887	5	26
TOTALS	380	558

3-22-62

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-11699

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 indicates the location of this map in the project.

When received for final review, no descriptive report was included with the map. The only records available were in the lower margin of the manuscript. Therefore, much of the data that is ordinarily included in a descriptive report is missing from the descriptive report for T-11699.

Field inspection prior to compilation was done in April and May, 1960.

Compilation was done graphically from 9-lens photographs taken in October 1959. Control was based on a radial plot using the 9-lens photographs. Shoreline on the west side of Cobb Island and Wreck Island was revised from ratio prints of photographs taken in April, 1962, after the March 1962 hurricane. The Atlantic Ocean shoreline was mapped without field inspection, as the hurricane voided field inspection of this shoreline that was done in April and May 1960.

No field edit of this map was done.

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 were forwarded for record and registry.

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.)

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 NAMES SHEET

PH-5907 (Virginia)

T-11699

Atlantic Ocean

Cobb Bay

Cobb Island

Little Cobb Island

Loon Channel

Northeast Channel

Sand Shoal Inlet

Shell Creek

South Bay

Wreck Island

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

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

Form 567
(10-15-56)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Nautical Chart Branch

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

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

Tampa District Office February 2, 19 62

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

The positions given have been checked after listing by Sterling I. Saperstein
I. I. Saperstein

V. Ralph Sobieralski
V. Ralph Sobieralski, 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*		DATUM						
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS							
*LIGHT	SAND SHOAL INLET		37 17	53.04 1635	75 46	50.67 1248	N A 1927	Photo Plot T-11699	4/7/ 1960		x		1222
	VIRGINIA INSIDE PASSAGE												
* LIGHT 2	SAND SHOAL CHANNEL		37 18	03.11 96	75 49	16.73 1151	"	T-11698	"		x		"
* LIGHT 5	" " "		37 17	37.30 1150	75 51	22.86 563	"	"	"		x		"
*	Note: The non-floating aids on T-11699 were submitted by the Baltimore Office but when the photogrammetric plot was extended north a small shift in position was made for this light.												

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 27128

Form 567
(10-15-58)

Nautical Chart Branch

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

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

Tampa District Office, February 5, 1962

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

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

V. R. Sobieralski, Chief of Party.

STATE: VIRGINIA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.P. METERS	POSITION LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	VIRGINIA INSIDE PASSAGE												
	GREAT MACHIPONGO CHANNEL TO SAND SHOAL CHANNEL							Photo					
DAYBN 25	" " "		37 19	05.64 174	75 50	02.52 62	NA 1927	Plot T-11694	Aug. 25 1961		x		1222
DAYBN 26	" " "		37 18	43.01 1326	75 49	31.51 776	"	T-11698	Apr. * 1960		x		"
LIGHT	COBB BAY JUNCTION		37 18	26.24 809	75 48	53.72 1323	"	"	" *		x		"

* Date of field inspection

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

Form 567
(10-15-58)

Nautical Chart Branch

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

Tampa District Office — January 29, 1962

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

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

R. Dossett

V. R. Sobieralski — Chief of Party.

STATE: VIRGINIA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	ELKINS MARSH							Photo					
HOUSE	North corner small house on piles		37 22	16.84 519	75 51	18.98 467	NA 1927	Plot T-11694	Aug. 25 1961		x		1222
S E GABLE	Shack		37 21	01.72 53	75 51	55.01 1354	"	"	"		x		"
CHIMNEY*	ht= 12 (12)		37 18	04.31 133	75 52	23.02 567	"	T-11698	** May 1960		x		"
	* Note: Charted as STACK on Chart 1222												
	** Date of field inspection												

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 27128

24

REVIEW REPORT T-11699

SHORELINE

December 11, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

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

Map sources used in Par. 62 and 63 were compared with each other. No differences were found to exist between the two maps.

T-11699 supersedes previous topographic surveys for nautical chart construction purposes.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8178, 1:20,000 scale, dated 1942. Significant differences were shown in blue on the comparison print.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with USGS Quadrangle COBB ISLAND, VA., 1:24,000 scale, dated 1972. Differences noted were the same as noted on T-8178 and were shown on the comparison print with the same blue line.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic surveys were available 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 differences were noted except a charted wreck at Lat. 37°18.5', Long. 75°45.5' which was not visible on photographs of the area.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Charles H. Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:

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

Approved:

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

Approved:

Chief, Photogrammetric Branch

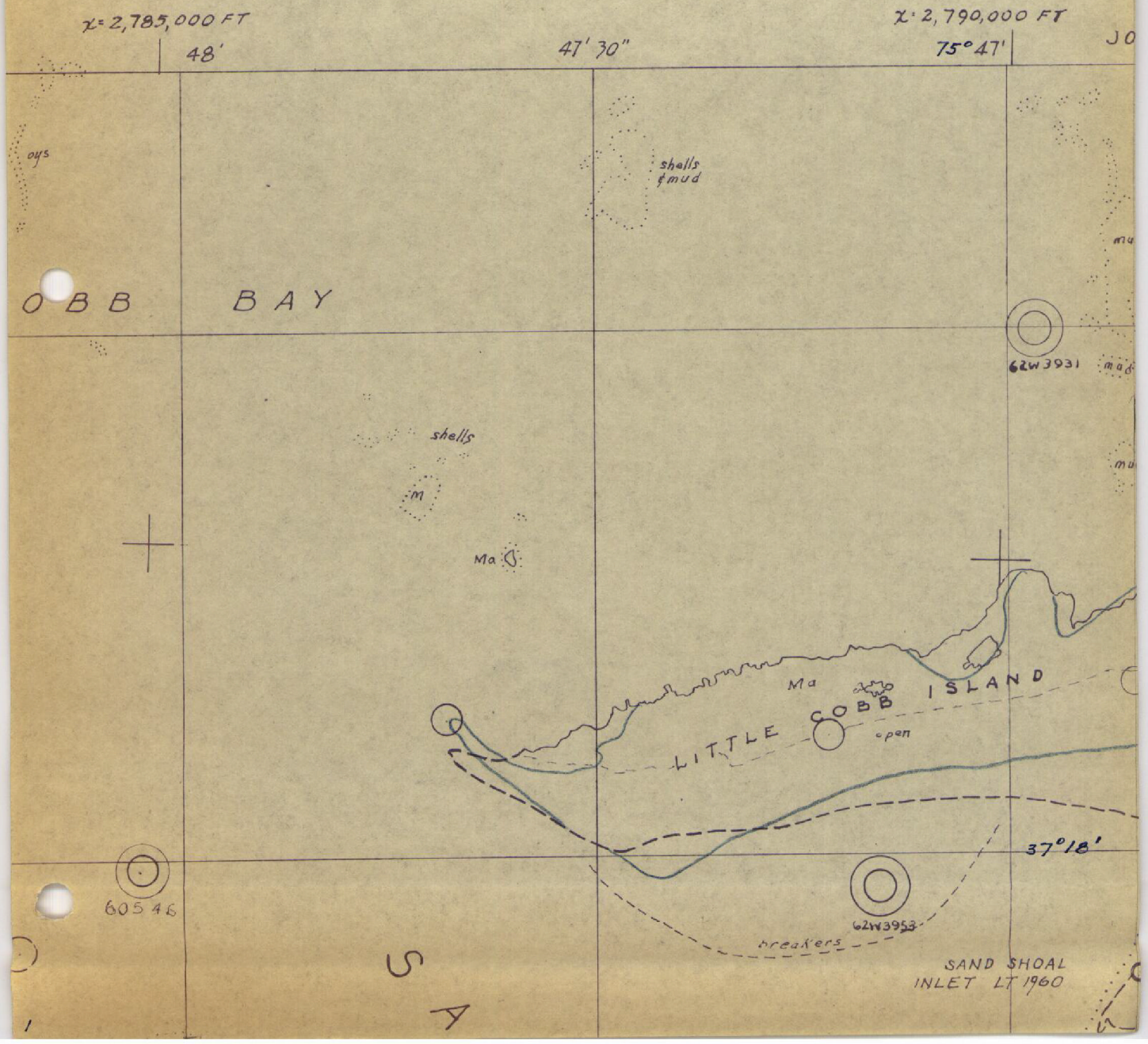
Chief, Coastal Mapping Division

COMPARISON PRINT

Blue = T-8178 & USGS

Red = Chart 1222

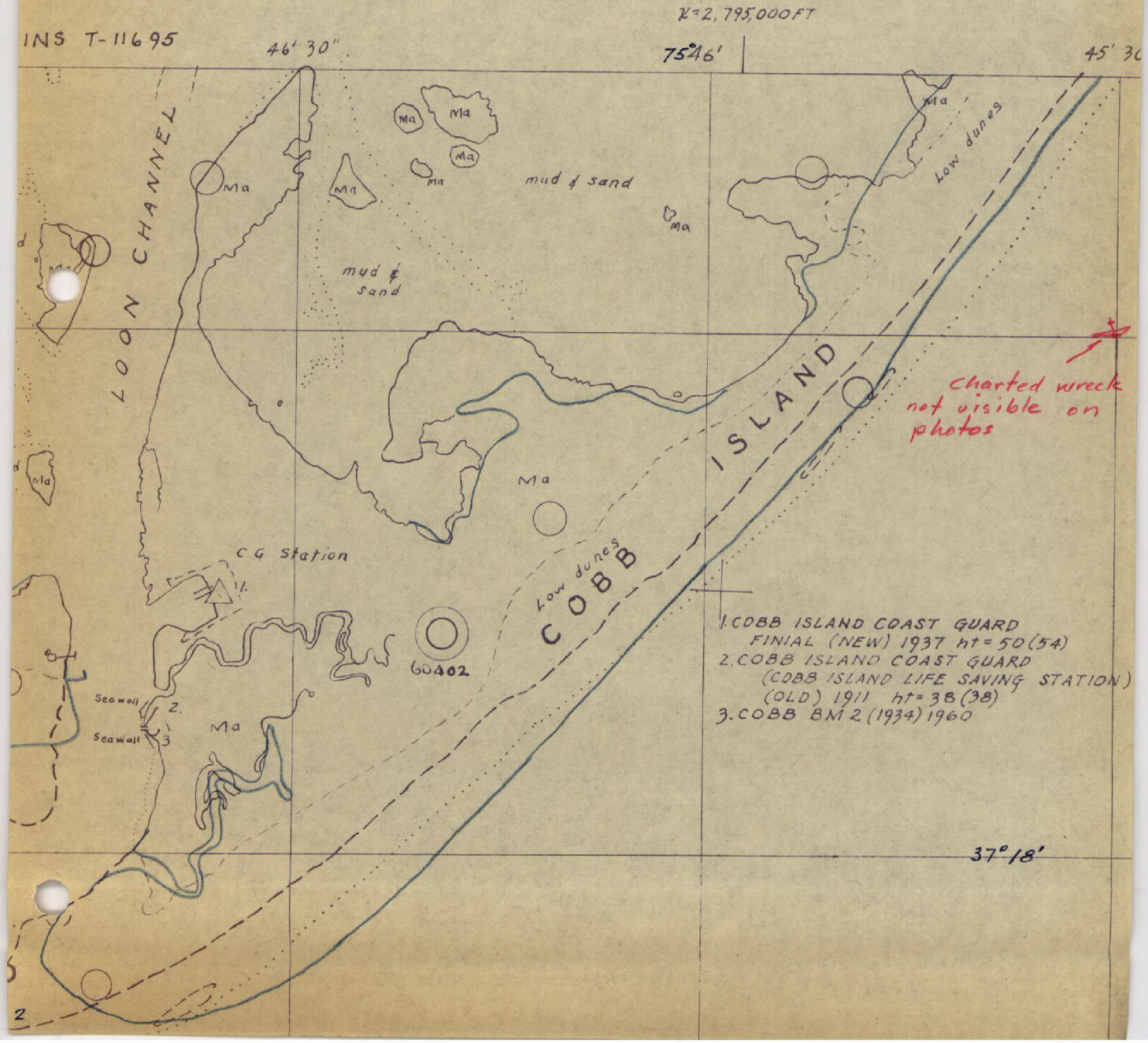
T-11699
1:10,000

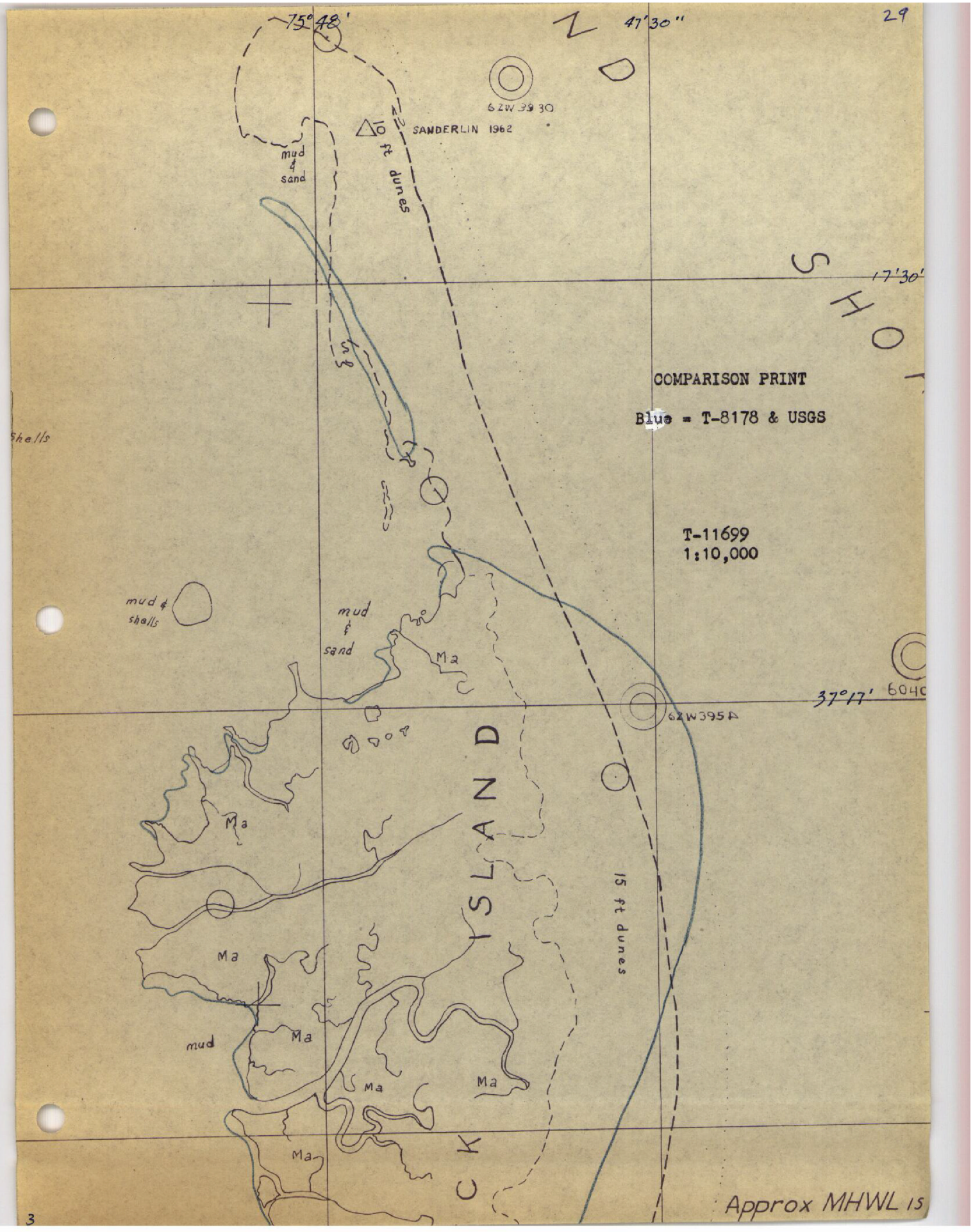


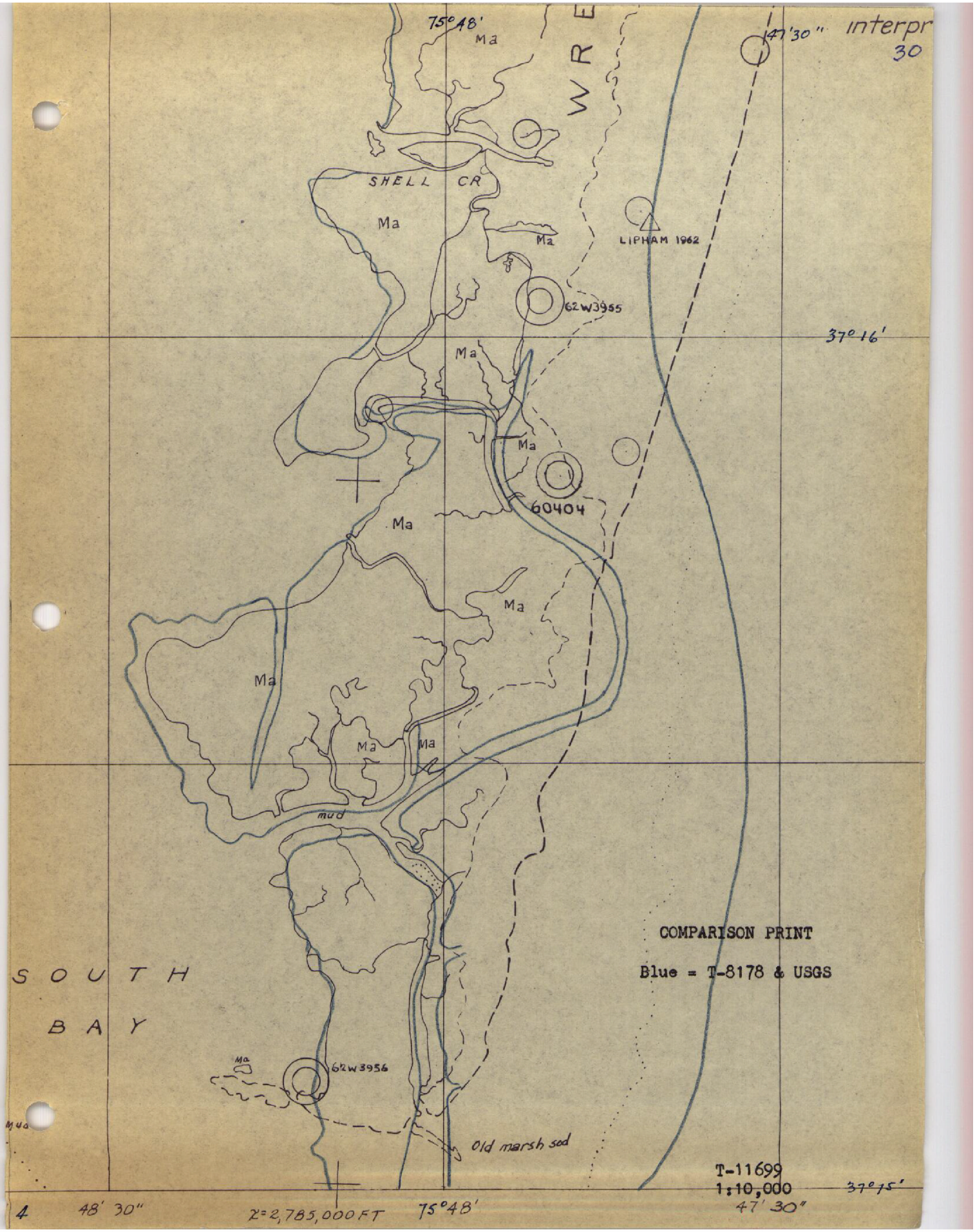
COMPARISON PRINT

Blue = T-8178 & USGS

T-11699
1:10,000




75°48'
47'30"
29
6ZW3930
SANDERLIN 1962
10
mud & sand
15 ft dunes
17'30'
SHOR
COMPARISON PRINT
Blue = T-8178 & USGS
T-11699
1:10,000
mud & shells
mud & sand
Ma
37°17'
6040
6ZW395A
ISLAND
15 ft dunes
Ma
Ma
mud
Ma
Ma
Ma
CK
Approx MHWL is
3


75°48'
Ma
WRE
147'30" interpr
30
SHELL CR
Ma
Ma
LIPHAM 1962
62W3955
37°16'
Ma
Ma
60404
Ma
Ma
Ma
Ma
Ma
Ma
mud
COMPARISON PRINT
Blue = T-8178 & USGS
SOUTH
BAY
Ma
62W3956
Mud
Old marsh sod
T-11699
1:10,000
37°15'
4
48' 30"
2=2,785,000 FT
75°48'
47' 30"