

Original

T-11668

T-11668

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-11668
Field edited map	
LOCALITY	
State	VIRGINIA
General locality	ACCOMACK COUNTY
Locality	FISHING POINT
19 59-62	
CHIEF OF PARTY	
Jospeh K. Wilson, Chief of Field Party	
V.R. Sobieralski, Tampa District Officer	
Alfred C. Holmes, Director, AMC	
LIBRARY & ARCHIVES	
DATE	JUL 1975

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 11668

PROJECT NO. (II): PH-5907			
FIELD OFFICE (II): Accomac Virginia		CHIEF OF PARTY Joseph K. Wilson	
PHOTOGRAMMETRIC OFFICE (III): Tampa, Florida		OFFICER-IN-CHARGE V. Ralph Sobieralski	
INSTRUCTIONS DATED (II) (III): Field: Oct. 20, 1959 Field Amendment 1: Apr. 26, 1960 Office: Dec. 28, 1960 Office Amendment 1: Aug. 10, 1961 " " 2: Sept. 29, 1961			
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): MEAN SEA LEVEL MHW 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): PETER 2, 1959			
LAT.: 37°51'55.7906"(1720.1	LONG.: 75°22'07.0575"(172.5 m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV): Y = 572,839.75 Ft. X = 2,903,834.96 Ft.		STATE Virginia	ZONE 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.			

FORM C&GS-181b
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): W. M. Reynolds, M. A. Stewart		DATE: Nov. 1961 May 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation June 1962 by planetable.		
PROJECTION AND GRIDS RULED BY (IV): A.R. (W.O.)		DATE Apr. 1962
PROJECTION AND GRIDS CHECKED BY (IV): A.R. (W.O.)		DATE " "
CONTROL PLOTTED BY (III): None		DATE
CONTROL CHECKED BY (III):		DATE
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. R. Wagner		DATE May 1962
STEREOSCOPIC INSTRUMENT COMPILATION (III): Inapplicable	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. J. Pate Reviewed by: R. R. Wagner		DATE Dec. 1962 "
SCRIBING BY (III): R. D. Purvis Reviewed by: R. R. Wagner		DATE Jan. 1963 " "
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): W. H. Shearouse		DATE March 1963
REMARKS:		

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 9 lens
Wild W Single lens

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62W3777	4/28/62	09:41	1:20,000	0.2 ft. above MLW
60370	10/13/59	09:14	1:10,000	0.8 ft. above MLW

Predicted TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sandy Hook		4.6	5.6
SUBORDINATE STATION: Chincoteague Point	0.57	2.6	3.1
SUBORDINATE STATION:			

Atlantic Marine Center

~~XXXXXXXXXXXX~~ REVIEW BY (IV):

O. H. Bishop

DATE:

September 1973

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 0

RECOVERED: 0

IDENTIFIED: 0

NUMBER OF BM(S) SEARCHED FOR (II): 0

RECOVERED: 0

IDENTIFIED: 0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation complete	Dec. 1962	Superseded
Final Review	Sept. 1973	

PH-5907

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CAPE CHARLES TO ASSATEAGUE, VA

Planimetric Mapping Scale 1:10,000

OFFICIAL MILEAGE
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	8
11666	16	8
11667	7	8
11668	1	1
11669	1	4
11670	16	1
11671	8	15
11672	17	8
11673	16	5
11674	8	16
11675	1	4
11676	16	8
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

7-12132

T 10887	5	26
TOTALS	369	543

11-9-61

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-11668

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.

Field inspection prior to compilation was done on 9-lens photographs in November 1961 and on single-lens photographs taken after the hurricane in March 1962.

This map was copied from RS-775, the compilation of which was based on control established by a radial plot using 9-lens photography of October 13, 1959, supplemented by the single-lens photographs taken after the hurricane. The photogrammetric plot report was not available at the time of final review and is not bound with this Descriptive Report.

Field edit was done in July 1962 and applied to the 1:10,000 scale maps rather than to RS-775.

Final review was done at the Atlantic Marine Center in September 1973. Geographic names were corrected to agree with the Final Names List dated June 22, 1972.

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
MAPS 11667, 11668 and 11669
PROJECT PH-5907

2. Areal Field Inspection.

These maps are located along the eastern shore of Virginia, in Accomack County. The land area consists of the major part of Wallops Island and the southwestern part of Assateague Island. Wallops Island, located in map 11667, is the location of the launching pads of the National Aeronautics and Space Administration. The rockets fired from here are primarily used to gather information on the weather in outer space. The southwestern part of Assateague Island is uninhabited except for the Coast Guard Life Saving Station, located in map 11669.

Field inspection is believed complete as of 11-15-61. However, the area of Wallops Island is changing rapidly due to new construction and this area should be checked for changes by field edit. Field inspection was performed on the following nine-lens photographs; 60368, 60371, 60384, 60385, 60499, 60500, 60522 and 60523. Photography was of good quality and no difficulty was encountered in their interpretation in the field. There are no unusual tone changes in this area.

3. Horizontal Control.

All Coast and Geodetic Survey Control was searched for. There was no supplemental control established by the field party.

The copy of the project diagram, on which the requirements for identification of control was specified, was not met in one instance. The diagram specified that either station BOGUE (V.F.C.) 1933 or EASY (V.F.C.) 1933 be identified but neither of the stations could be recovered. It is believed that sufficient control was identified to enable the office to have a strong plot.

The following stations were reported lost;

11667	11668
BOGUE (V.F.C.) 1933	none
EASY (V.F.C.) 1933	
MAC 1949, N.A.C.A. No. 1 1951	11669
N.A.C.A. No. 4 1951	PETER 1949
Wallops Beach Coast Guard 2	
(Lookout Cupola) 1936	

4. Vertical Control.
Two tidal bench marks of this bureau were recovered and one was identified. These marks are Assateague Coast Guard, Chincoteague Inlet Tidal Bench Marks 17 RESET (1934) and Bench Mark 18 (1933).
5. Contours and Drainage.
Contours are inapplicable.
Drainage from the islands is runoff. The tidal streams are self-evident from the photographs.
6. Woodland Cover.
Woodland cover was inspected and has been classified on the photographs.
7. Shoreline and Alongshore Features.
The mean high water line along Wallops Island was located by measurement from identifiable photo. points. The mean high water line around Fishing Point, map 11668 was indicated by inspection and as photographed. This area changes frequently and the map should carry a notation to this effect.
The apparent shoreline was inspected by skiff running close to shore and has been indicated on the photographs.
The low water line was not inspected or located.
The foreshore along the ocean is sand.
There are no bluffs or cliffs.
All docks, wharves, piers or landings have been indicated on the photographs.
8. Offshore Features.
The only offshore features are the mud flats, at low water, in Bogue Bay, map 11667. Appropriate notes have been made on the photographs.
9. Landmarks and Aids.
Landmarks for nautical charts and fixed aids to navigation are adequately covered by Form 567. This form was submitted to Washington on 11-9-61.
10. Boundaries, Monuments and Lines.
The only boundaries within these maps are the limits of The National Aeronautics and Space Agency, map 11667, and the limits of Chincoteague Wildlife Refuge in maps 11668 and 11669. The limits of the space agency follows the mean low water line around Wallops Island. The limits of the wildlife refuge follows the mean low water line around Assateague Island.

11. Other Control.

The following recoverable topographic stations were identified for location by the plot; Tower 1961 and East Gable Galvanized Tin Building 1961. Both objects are in map 11667. There were no stations identified in maps 11668 or 11669.

12. Other Interior Features.

The roads on Wallops Island have been classified in accordance with Photogrammetry Instruction No. 54.

Buildings were inspected and have been indicated in accordance with Photogrammetry Instruction No. 56.

Measurement of bridges or cables was not required.

There are no airports or landing fields in the area.

13. Geographic Names.

A systematic investigation of names was not required. There are no new names recommended for mapping.

14. Special Reports and Supplemental Data.

Form 567, submitted to Washington 11-9-61.

Letter of Transmittal, submitted with this data.

Submitted,

William M. Reynolds
William M. Reynolds
Sub-unit Photo. Party 720

MAP T. 11668 PROJECT NO. Ph-5907 SCALE OF MAP 1:10000 SCALE FACTOR

[illegible]

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COMPILATION REPORT
T-11668

PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11680

31. DELINEATION

The graphic method was used.

Field inspection was adequate.

The entire shoreline of Assateague Island was transferred from RS 775, 1:20,000 scale. This shoreline was located by planetable in June 1962 during field edit and is more recent than our photographs in the area.

C.I.B.
9/25/73

A very small area of Wallops Island and the approximate low-water line appearing in the northeast ^{West} corner of this sheet were delineated by use of the stereoscope and projector from office interpretation of photograph 62-W-3843.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

See Item 31.

36. OFFSHORE DETAILS

Compiled in accordance with field inspection notes and office interpretation of photographs.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

A satisfactory junction has been made with T-11667 on the west, T-11663 on the north and T-11669 on the east. There is no survey to the south, this area being open water.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with quadrangle WALLOPS ISLAND, scale 1:25,000 compiled by USC&GS 1942 copied by AMS 1946.

The shoreline of Assateague Island has undergone considerable change.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with USC&GS charts No. 1220 edited Sept. 1961 and No. 1221 edition March 1962, scale 1:80,000.

The comparison was generally favorable except for the shoreline of Assateague which appears to be undergoing continuous change.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

R J Pate
R. J. Pate
Carto-Photo Aid

APPROVED AND FORWARDED: - 6 APR 1963

V. Ralph Sobieralski
V. Ralph Sobieralski
Tampa District Officer

June 22, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-5907 (Virginia)

T-11668

Assateague Island

Atlantic Ocean

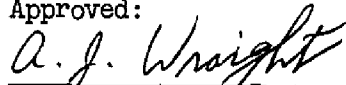
Chincoteague Inlet

Chincoteague National Wildlife Refuge

Fishing Point

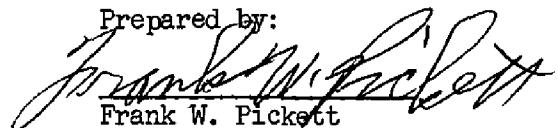
Toms Cove

Approved:



A. Joseph Wraight
Chief Geographer

Prepared by:



Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

None.

FORM 182 (3-51)		PHOTOGRAMMETRIC OFFICE REVIEW		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
50.		T- 11668			
1. PROJECTION AND GRIDS WHS		2. TITLE WHS 4a Classification label <u>unclassified</u>		3. MANUSCRIPT NUMBERS WHS	
4. MANUSCRIPT SIZE WHS					
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY XX		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (TOPOGRAPHIC STATIONS) XX		
	7. PHOTO HYDRO STATIONS XX	8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT MMS	
	11. DETAIL POINTS WHS				
ALONGSHORE AREAS (Nautical Chart Data)	12. SHORELINE WHS	13. LOW-WATER LINE WHS	14. ROCKS, SHOALS, ETC. WHS	15. BRIDGES XX	
	16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES WHS		
	19. OTHER ALONGSHORE CULTURAL FEATURES WHS				
PHYSICAL FEATURES	20. WATER FEATURES WHS		21. NATURAL GROUND COVER 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 XX	28. BUILDINGS XX	29. RAILROADS XX		
	30. OTHER CULTURAL FEATURES WHS				
BOUNDARIES	31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX		
MISCEL- LANEOUS	33. GEOGRAPHIC NAMES WHS			34. JUNCTIONS WHS	
	35. LEGIBILITY OF THE MANUSCRIPT WHS	36. DISCREPANCY OVERLAY XX		37. DESCRIPTIVE REPORT WHS	
	38. FIELD INSPECTION PHOTOGRAPHS WHS		39. FORMS WHS		
	SIGNATURE OF REVIEWER <i>William H. Shearouse</i> William H. Shearouse			SIGNATURE OF SUPERVISOR REVIEW SECTION OR UNIT <i>Milton M. Slavney</i> 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		

FIELD EDIT REPORT

RS 775 (1:20,000 scale) of which T-11668 is a part, was field edited by William M. Reynolds in June 1962. Those field edit corrections were applied to this map. No field edit report has been received.

REVIEW REPORT T-11668

SHORELINE

September 21, 1973

61. GENERAL STATEMENT

See Summary on page 6 of this Descriptive Report.

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Survey T-8168, scale 1:20,000, dated 1942. Significant shoreline changes were shown in blue on the comparison print. Shoreline bordering on Chincoteague Inlet is unstable and has shifted considerably.

In the area compared, T-11668 supersedes the registered survey for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with AMS SHEET 5959 IV SW, WALLOPS ISLAND, VIRGINIA, 1:25,000, printed in 1949. This map is a copy of C&GS Map T-8168; therefore, differences are the same as noted in Item 62.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic surveys were available for comparison.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with Chart 1221, scale 1:80,000, 16th edition, dated September 11, 1971. The chart scale was not adequate for a meaningful comparison. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The Photogrammetric Plot Report, which usually states the accuracy of control used for compilation, was not available for final review and no accuracy statement was made in the Compilation Report. No accuracy test was run in the field. However, there is no reason to believe that accuracy was sub-standard. It is believed that this map is adequate for photo-hydro support and construction of nautical charts.

Reviewed:

Charles H Bishop

Charles H. Bishop
Cartographer

Approved for forwarding:

Merlin J. Umbach
Merlin J. Umbach, CDR, NOAA
Chief, Coastal Mapping Division, AMC

Approved:

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

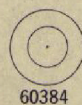
Approved:

AKA Rywon *James H.*
Chief, Photogrammetric Branch Chief, Coastal Mapping Division

T-11668

75°26'15" $x=2,885.000$ FT. 26'
37°52'30" Wallops
shallow
 $y=575.000$ FT.

25'30"



52'

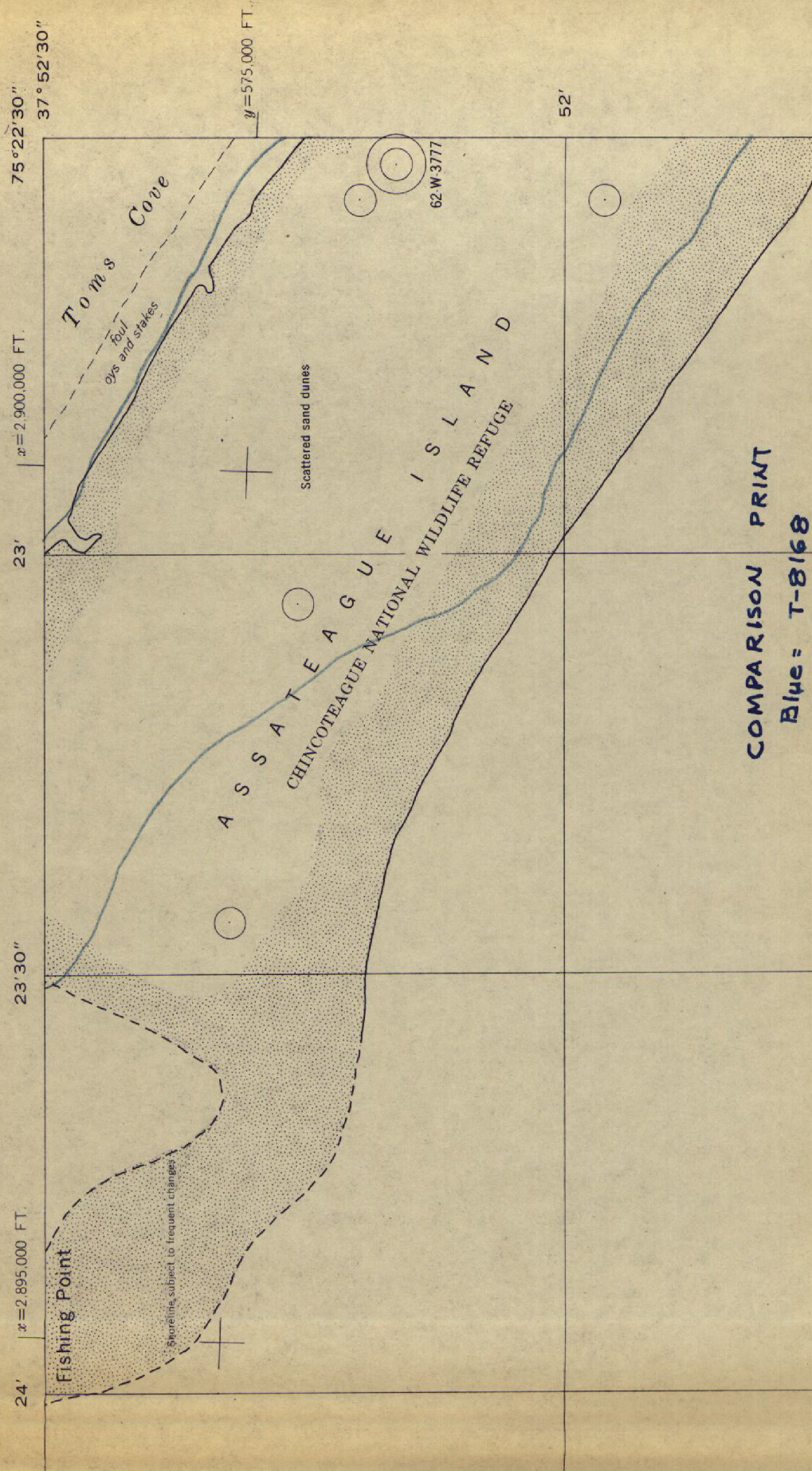
COMPARISON PRINT
Blue = T-8168

 $y=570.000$ FT.

51'30"

T-11668

1:10,000



COMPARISON PRINT
Blue = T-8168

T-11668
1:10,000