

T-12614

T-12614

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| | |
|---|-----------------------------|
| Form 504 | |
| U. S. DEPARTMENT OF COMMERCE | |
| COAST AND GEODETIC SURVEY | |
| DESCRIPTIVE REPORT | |
| Type of Survey | SHORELINE (Photogrammetric) |
| Field No. | Office No. T-12614 |
| LOCALITY | |
| State | SOUTH CAROLINA |
| General locality | CHARLESTON TO SAVANNAH |
| Locality | EDISTO BEACH |
| 19 64-65 | |
| CHIEF OF PARTY | |
| Joseph K. Wilson, Chief, Photo Party 6420 | |
| J. Bull, Director, Atlantic Marine Center | |
| LIBRARY & ARCHIVES | |
| DATE | |

CHT 793 fully applied 6/14/67 ~~water~~
CHT 1239 Partly applied 1/29/68 water
big than CHT 793
792 - Part. Appd. after V. + R. 12/4/68 BT

DESCRIPTIVE REPORT - DATA RECORD
T-12614

PROJECT NO. (II):

Job PH 6407

FIELD OFFICE (II):

Beaufort, South Carolina

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center

OFFICER-IN-CHARGE

J. Bull

Director, Atlantic Marine Center

INSTRUCTIONS DATED (II) (III):

23 April 1964 Field
28 September 1964 Office
22 December 1964 Office, Amendment No. 1

METHOD OF COMPILATION (III):

Kelsh

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:6,000 pantographed to 1:20,000

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):

POINT, 1902 ✓

LAT.:

32° 28' 55".215 (1700.8m) ✓

LONG.:

80° 20' 16."553 (432.2m) ✓

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 236,638.63 ft. ✓

x = 2,204,168.65 ft. ✓

STATE

South Carolina ✓

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.

DESCRIPTIVE REPORT - DATA RECORD

| | | |
|---|---|------------------------------|
| FIELD INSPECTION BY (II): Matthew A. Stewart Jim D. Shea | | DATE: June-July 1964 " |
| MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo compilation Date of Photography May 8, 1964 | | |
| PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree (WO) | DATE Nov. 1964 | |
| PROJECTION AND GRIDS CHECKED BY (IV): P. Hawkins (WO) | DATE Nov. 1964 | |
| CONTROL PLOTTED BY (III): A. Santillan | DATE Jan. 1965 | |
| CONTROL CHECKED BY (III): H. Cordell | DATE Jan. 1965 | |
| RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): L. Fritz (WSC) J. T. Gerlach (WSC) | DATE no date | |
| STEREOSCOPIC INSTRUMENT COMPILATION (III): | PLANIMETRY L. Neterer Reviewed by: R. R. Wagner | DATE March 1965 |
| | CONTOURS Inapplicable | DATE |
| MANUSCRIPT DELINEATED BY (III): L. Neterer | DATE March 1965 | |
| SCRIBING BY (III): R. E. Smith | DATE April 1966 | |
| PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. E. Smith | DATE April 1966 | |

REMARKS:

Field Edit

J. A. Brothers

July 1965

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

S Camera

PHOTOGRAPHS (III)

| NUMBER | DATE | TIME | SCALE | STAGE OF TIDE |
|-----------|-------------|------|----------|---------------|
| 64 S 1201 | May 8, 1964 | 0925 | 1:30,000 | +0.1 |
| 1202 | " | 0926 | " | " |
| 1203 | " | 0926 | " | " |
| 1207 | " | 0930 | " | " |
| 1208 | " | 0930 | " | " |

TIDE (III)

Predicted

| | RATIO OF RANGES | MEAN RANGE | SPRING RANGE |
|--|-----------------|------------|--------------|
| REFERENCE STATION: SAVANNAH RIVER ENTRANCE, GA. | | 5.9 | 8.1 |
| SUBORDINATE STATION: EDISTO BEACH, EDISTO ISLAND, S.C. | | 5.9 | 6.9 |
| SUBORDINATE STATION: | | | |

WASHINGTON OFFICE REVIEW BY (IV):

FINAL

M.N. SLAVNEY, Atlantic Marine Center

DATE:

JUNE, 1966

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

4

RECOVERED:

2

IDENTIFIED:

1

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

2

RECOVERED:

none

IDENTIFIED

none

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

none

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

none

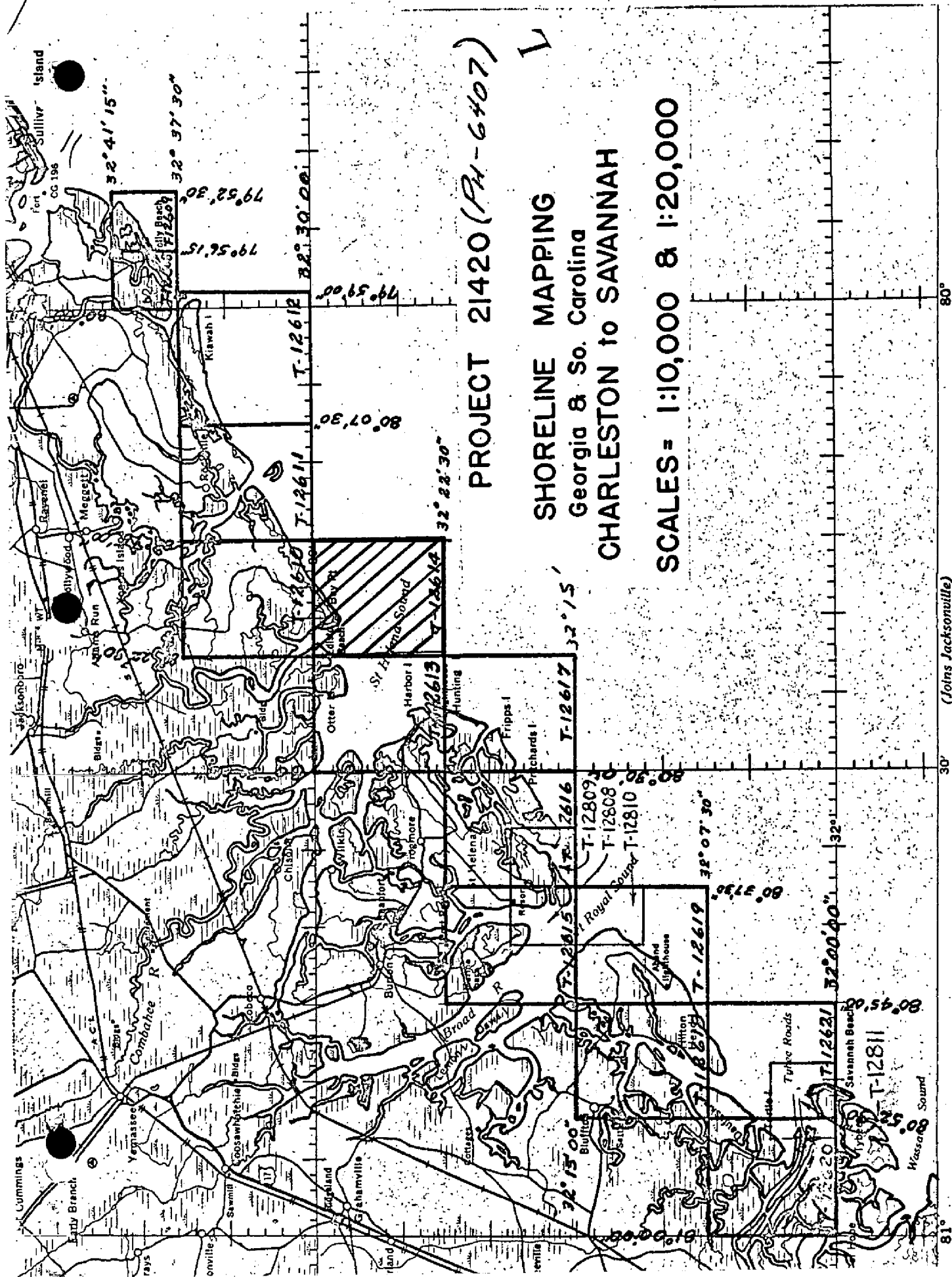
REMARKS:

COMPILATION RECORD

COMPILATION DATE

REMARKS

| | | |
|--|------------|------------|
| Compilation complete pending Field edit | March 1965 | Superseded |
| Field edit applied Manuscript complete | July 1965 | |
| | | |
| | | |
| | | |
| | | |



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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-12614

Shoreline manuscript T-12614 is one of twelve 1:20,000 scale manuscripts in PH-6407 (Charleston, S.C. to Savannah, Ga.), which also contains six 1:10,000 scale manuscripts. The sketch on page 5 of this report shows the position of this manuscript in the project.

This is a stereo-instrument project in advance of hydrographic surveys of the area. All the photographs for T-12614 are panchromatic, taken May 8, 1964 at 1:30,000 scale. The stereo-bridge was run and adjusted to field identified control in the Washington Office. Compilation was done with the Kelsh Plotter. Ratio prints, at 1:20,000 scale were processed, and provided for photo-hydro support.

Field work preceding compilation consisted of control identification and field inspection was provided for compilation. The manuscript was field edited in July 1965.

The compilation manuscript was a vinylite sheet 7 minutes, 30 seconds in latitude, and 7 minutes 30 seconds in longitude. The smooth manuscript was on cronaflex for registry and record after final review.

FIELD INSPECTION REPORT
Project 21420 (Part 2)
Georgia and South Carolina

For data pertaining to this Map see field inspection report filed
under Map T-12615.

17 July 1964
Submitted by:

Joseph K. Wilson
Joseph K. Wilson
Chief, Photo Party 6420

SCALE OF MAP
1:20,000

[illegible]

COMPILATION REPORT
T-12614

Aerotriangulation Report submitted with T-12608

31. DELINEATION

The Kelsh plotter was used. Field inspection was adequate. Photography was satisfactory.

32. CONTROL

See Aerotriangulation Report.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage was delineated as inspected or from office interpretation of the photography.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate and was delineated accordingly. The approximate low water line was delineated from office interpretation of the photography.

36. OFFSHORE DETAILS

None

37. LANDMARKS AND AIDS

Appropriate copies of Form 567 for Landmarks have been submitted to the Washington Office under date April 22, 1966

There are no Aids to Navigation.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

Junctions have been made with T-12613 to the west and T-12610 to the north. The Atlantic Ocean is to the south and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with U.S.G.S. Quadrangle Edisto Beach, S.C. scale 1:24,000 dated 1956.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with chart No. 793 scale 1:40,000 dated Dec. 28, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

R. E. Smith
R. E. Smith
Cartographer

Approved and forwarded:

J. Bull
J. Bull, CAPT. USESSA
Director, Atlantic Marine Center

48. GEOGRAPHIC NAME LIST

ATLANTIC OCEAN

BAY POINT

BIG BAY CREEK

~~BOAT CHANNEL~~ *Not a "PROPER" name*

EDISTO BEACH

EDISTO ISLAND

PINE ISLAND

SCOTT CREEK

SOUTH EDISTO RIVER

THE MOUNDS

Geographic Names
Ph 21420 (Edisto Beach, S.C.)

T-12614 (Shoreline)

ATLANTIC OCEAN

Bay Point

Big Bay *CREEK*

~~Boat Channel~~ *Not a "PROPER" name*

Edisto Beach

Edisto Beach State Park *(Not used, limits not delineated)*

Edisto Island

Pine Island

Scott Creek

South Edisto River

The ~~Mounts~~ *MOUND*

A. J. Wraight

A. J. Wraight
Geographic Names

T - 12614

49. NOTES FOR THE HYDROGRAPHER

None.

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| C&GS FORM 1002 (11-15-61) | | U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY | |
|---|-------------------------------------|---|---|
| PHOTOGRAMMETRIC OFFICE REVIEW T-10363 - T-12614 | | | |
| 1. PROJECTION AND GRIDS RES | 2. TITLE RES | 3. MANUSCRIPT NUMBERS RES | 4. MANUSCRIPT SIZE RES |
| CONTROL STATIONS | | | |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RES | | 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 RES | 10. PHOTOGRAMMETRIC PLOT REPORT BRIDGE (WO) | 11. DETAIL POINTS KELSH |
| ALONGSHORE AREAS (Nautical Chart Data) | | | |
| 12. SHORELINE RES | 13. LOW-WATER LINE RES | 14. ROCKS, SHOALS, ETC. RES | 15. BRIDGES XX |
| 16. AIDS TO NAVIGATION XX | 17. LANDMARKS RES | 18. OTHER ALONGSHORE PHYSICAL FEATURES RES | 19. OTHER ALONGSHORE CULTURAL FEATURES RES |
| PHYSICAL FEATURES | | | |
| 20. WATER FEATURES RES | | 21. NATURAL GROUND COVER RES | |
| 22. PLANETABLE CONTOURS XX | | | |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS XX | 24. CONTOURS IN GENERAL XX | 25. SPOT ELEVATIONS XX | 26. OTHER PHYSICAL FEATURES RES |
| CULTURAL FEATURES | | | |
| 27. ROADS RES | 28. BUILDINGS XX | 29. RAILROADS XX | 30. OTHER CULTURAL FEATURES RES |
| BOUNDARIES | | | |
| 31. BOUNDARY LINES XX | | 32. PUBLIC LAND LINES XX | |
| MISCELLANEOUS | | | |
| 33. GEOGRAPHIC NAMES RES | | 34. JUNCTIONS RES | |
| 35. LEGIBILITY OF THE MANUSCRIPT RES | | | |
| 36. DISCREPANCY OVERLAY XX | 37. DESCRIPTIVE REPORT RES | 38. FIELD INSPECTION PHOTOGRAPHS RES | 39. FORMS RES |
| 40. REVIEWER RES <i>P.E. Smith</i> | | SUPERVISOR, REVIEW SECTION OR UNIT ACR <i>Albert C. Rauck, Jr.</i> | |
| 41. REMARKS (See attached sheet) | | | |
| FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT | | | |
| 42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43. | | | |
| COMPILER RES <i>P.E. Smith</i> | | SUPERVISOR ACR <i>Albert C. Rauck, Jr.</i> | |
| 43. REMARKS | | | |

Field Edit Report submitted with T-12608.

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

NONPILATING-ALES OR LANDMARKS FOR CHARTS

ATLANTIC MARINE CENTER

APRIL 22, 1966

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

The positions given have been checked after listing by

R. E. Smith

J. Bull, Director, Atlantic Marine Center

Chief of Party:

[illegible]

This form shall be prepared in accordance with Hydrographic Manual,

the same shall be prepared in accordance with requirements and shall be reported on this form. This applies to provision. If determined, shall be reported on this form. This

— 1 —

... ..

[illegible]

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REVIEW REPORT T-12614

SHORELINE

June 1966

61. GENERAL STATEMENT

See summary accompanying Descriptive Report (page 6)

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-10304, 1:10,000, Field edited July 1960, Final Review June 1963.

The shoreline at Bay Point has moved inland as much as 100 meters. Some roads have been built on Edisto Island. There have been minor changes in the marsh at Pine Island.

This map supersedes the listed prior survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

EDISTO BEACH, S. C., U.S.G.S., (1:24,000, 1956

The maps are in fair agreement excepting some movement northward of the shoreline at Bay Point, and some new roads on Edisto Island.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There are no contemporary hydrographic surveys in this area.

65. COMPARISON WITH NAUTICAL CHARTS

Chart 793, 1:40,000 scale, 2nd Editions of December 28, 1964.

Registered survey T-10304 (see Item 62) was apparently the source for the planimetry on the chart. The same differences are present.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with the instructions, and meets the National Standards for Map Accuracy.

One item is noted for future surveys:

It may be worthwhile for the hydrographic party to check on the position and size of a pier at Lat. $32^{\circ} 29.77'$, Long. $80^{\circ} 20.7'$. A plan of a marina development was submitted by the field inspector in July 1964. The Discrepancy Print to the field editor asked about the status of the marina and included a copy of the plan from the field inspector. The field editor located the offshore end of the pier with a 3 point fix on photo points, noted that the pier was "60 feet long"; and noted on the plan that no position was furnished for the inshore end of the pier, and the timber bulkhead on the plan can not be seen on the photographs.

A copy of the plan with appropriate notes is ~~attached~~ ^{included.}

Reviewed by:

M. M. Slavney
M. M. Slavney

Approved by:

J. Bull
J. Bull, CAPT., USESSA
Director, Atlantic Marine Center

Approved by:

Charles Shuman
Chief, Cartographic Branch JMB

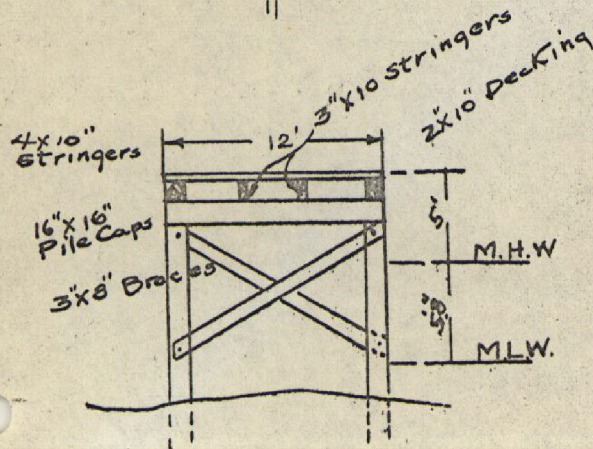
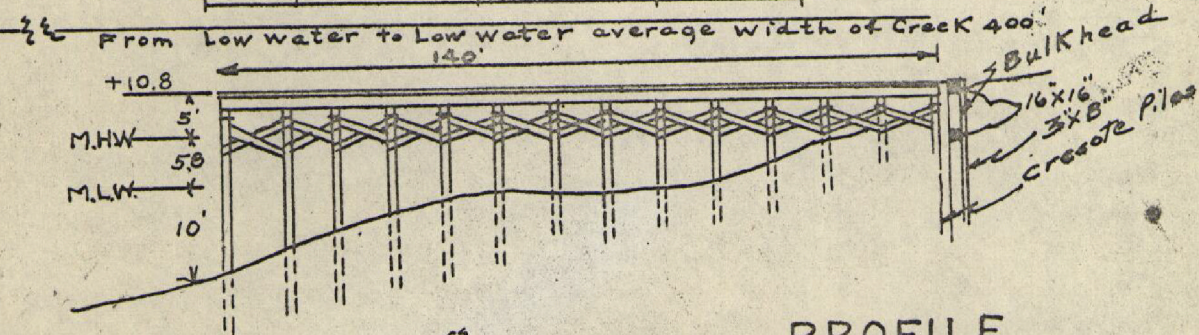
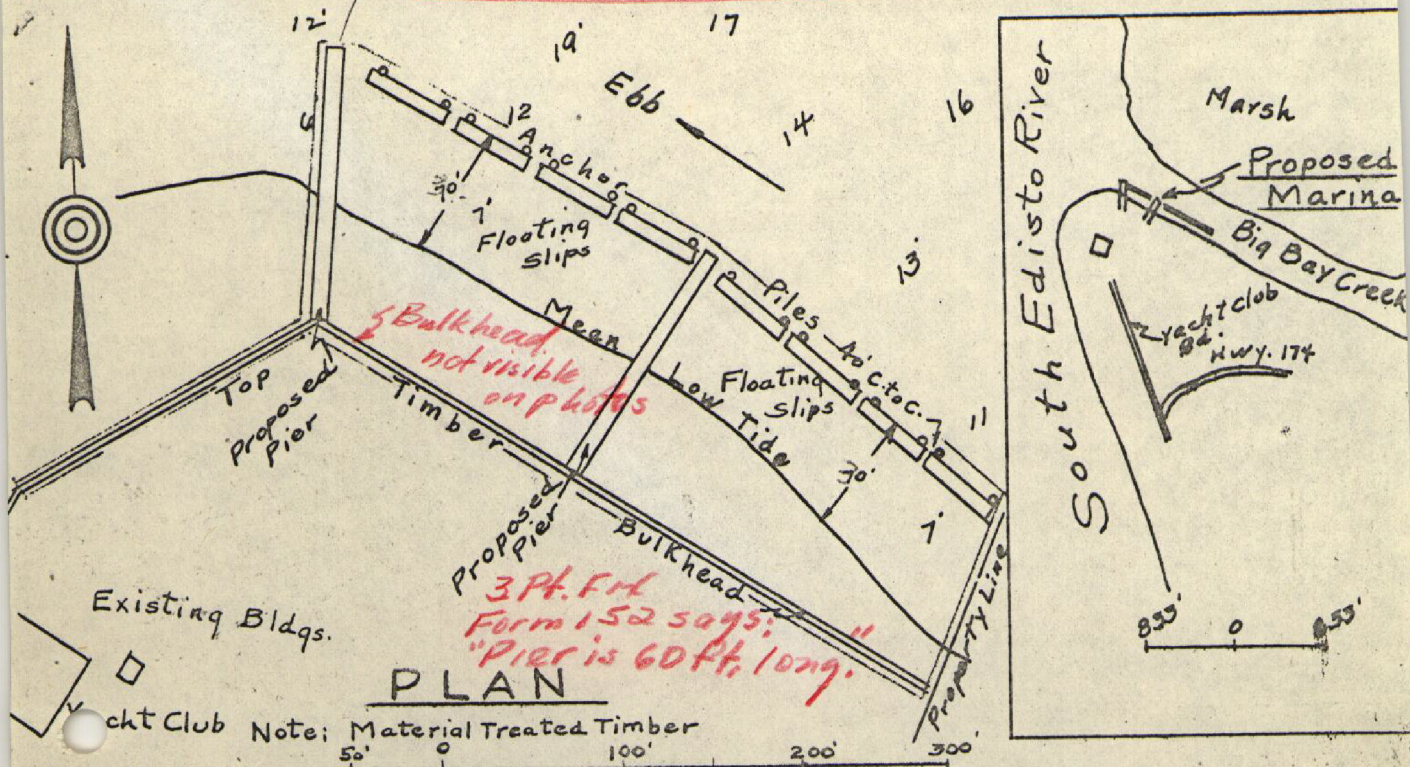
Chief, Chart Division

L. F. Woodward
Chief, Photogrammetry Division

Chief, Operations Division

Field editors note

Pier Located.
13 only Pier constructed
at this date



PROPOSED MARINA

In Big Bay Creek
At Edisto Beach
County Charleston
State South Carolina
Applicant Tom Hutson
Date 3 May 1964.

NOTES TO VERIFIER
T-12614 Project 21420 (PH-6407)

None - No contemporary hydrographic survey.

U. S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY
WASHINGTON, D. C. 20235

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
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