ORIGINAL

TP-00677

TP-00677

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. CM-7218 *Map No.* TP-00677

Classification No. *Edition No.* 1

Field Edited Map

LOCALITY

State North Carolina

General Locality Lower Cape Fear River

Locality Snows Cut

19 74 TO 19 75

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

NOAA FORM 76-36A (3-72) — U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP-00677

MAP EDITION NO. (1)

MAP CLASS Final(F.E.)

JOB ~~PH~~ CM-7218

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Division, Norfolk, VA

OFFICER-IN-CHARGE: Jeffrey G. Carlen, CDR.

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE	2. FIELD
Part I Compilation Feb. 27, 1973 Part II Aerotriangulation Mar. 7, 1974 Compilation July 15, 1974	Oct. 5, 1973

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [X] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: North Carolina; ZONE:

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	M. McGinley	None
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Calcomp.	PLOTTED BY	R. Robertson	July, 1974
	CHECKED BY	R. Robertson	July, 1974
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:15,000	PLANIMETRY BY	R.R. White	Sept. 1974
	CHECKED BY	L.O. Neterer	Sept. 1974
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth ink drafted SCALE: 1:10,000	PLANIMETRY BY	Irene K. Perkinson	Oct., 1974
	CHECKED BY	Frank Margiotta	Oct., 1974
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	NA	
	CHECKED BY	NA	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	Frank Margiotta	Oct., 1974
6. APPLICATION OF FIELD EDIT DATA	BY	I. Perkinson	Apr., 1975
	CHECKED BY	A.L. Shands	May, 1975
7. COMPILATION SECTION REVIEW	BY	A.L. Shands	May, 1975
8. FINAL REVIEW	BY	Billy H. Barnes	July, 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	S. BLANKENBAKER	SEPT 1976
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. T. CATDR	SEP 1976

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

TP-00677

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-10 "C"

TIDE STAGE REFERENCE: CHARLESTON, SC (Southport, NC)
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR X
- (P) PANCHROMATIC
- (I) INFRARED X

TIME REFERENCE
- ZONE: Eastern — [X] STANDARD
- MERIDIAN: 75th — [ ] DAYLIGHT

	NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*	73C(C)4525(I) & 4526(I)	12 OCT 73	09:10	1:30,000	4.3 ft. above MLW
**	73C(C)4814(I) & 4815(I)	15 OCT 73	12:00	1:30,000	±0.2 ft. of MHW
**	73C(C)6071(I) & 6072(I)	10 NOV 73	13:04	1:30,000	±0.2 ft. of MLW

REMARKS *Bridge and compilation photos.
**"Tide coordinated" MHW and MLW photos are based on predicted tides.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled graphically from office interpretation of the "tide coordinated" infrared photographs listed in 1. above.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The mean low water line was compiled graphically from office interpretation of the "tide coordinated" infrared photographs listed in 1. above.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS *(List only those surveys that are sources for photogrammetric survey information.)*

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00675	No Survey	TP-00679	TP-00676

REMARKS

NOAA FORM 76-36C
(3-72)

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

TP-00677

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION.

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		George W. Jamerson	Feb. 1975
2. HORIZONTAL CONTROL	RECOVERED BY	George W. Jamerson	Feb. 1975
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	George W. Jamerson	Feb. 1975
	LOCATED (*Field Methods*) BY	George W. Jamerson	Feb. 1975
	IDENTIFIED BY	George W. Jamerson	Feb. 1975
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY	NA	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	George W. Jamerson	Feb. 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED: Premark

2. VERTICAL CONTROL IDENTIFIED: NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

73C 6072

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

2 landmarks verified; 9 aids verified; 9 aids located

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

1 - Film ozalid with notes

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)

5 - Form 76-40

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

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

TP-00677

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	4 OCT 1974	Class III Manuscript Superseded	4/13/75	11/13/74
Field edit applied Compilation complete	APR. 1975	Class I Superseded	5/9/75	
Final Review	JULY 1976			

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
24		5/12/75	Aids for Charts
3			Landmarks for Charts
4			Aids to be Deleted
		See page	4A

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/12/75
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

NOAA FORM 76-36D

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6

NOAA FORM 61-29
(12-71)

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

REFERENCE NO. 4A

LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY *(Check)*:

☒ ORDINARY MAIL ☐ AIR MAIL

☐ REGISTERED MAIL ☐ EXPRESS

☐ GBL *(Give number)* _____

TO:

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEAN SURVEY
ROCKVILLE, MARYLAND 20852
ATTN: C-322 Mr. Herman Anderson

DATE FORWARDED
Aug. 18, 1976

NUMBER OF PACKAGES
one envelope

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

OM-7218

Lower Cape Fear River, North Carolina

Map TP-00677

1 Form

2 Forms 76-40 Nonfloating Aids to be charted

The above aids were submitted May 5, 1975, the positions submitted on these forms are the result of revisions made in Final Review.

FROM: *(Signature)*

Billy H. Barnes for Director, AMC

RECEIVED THE ABOVE
(Name, Division, Date)

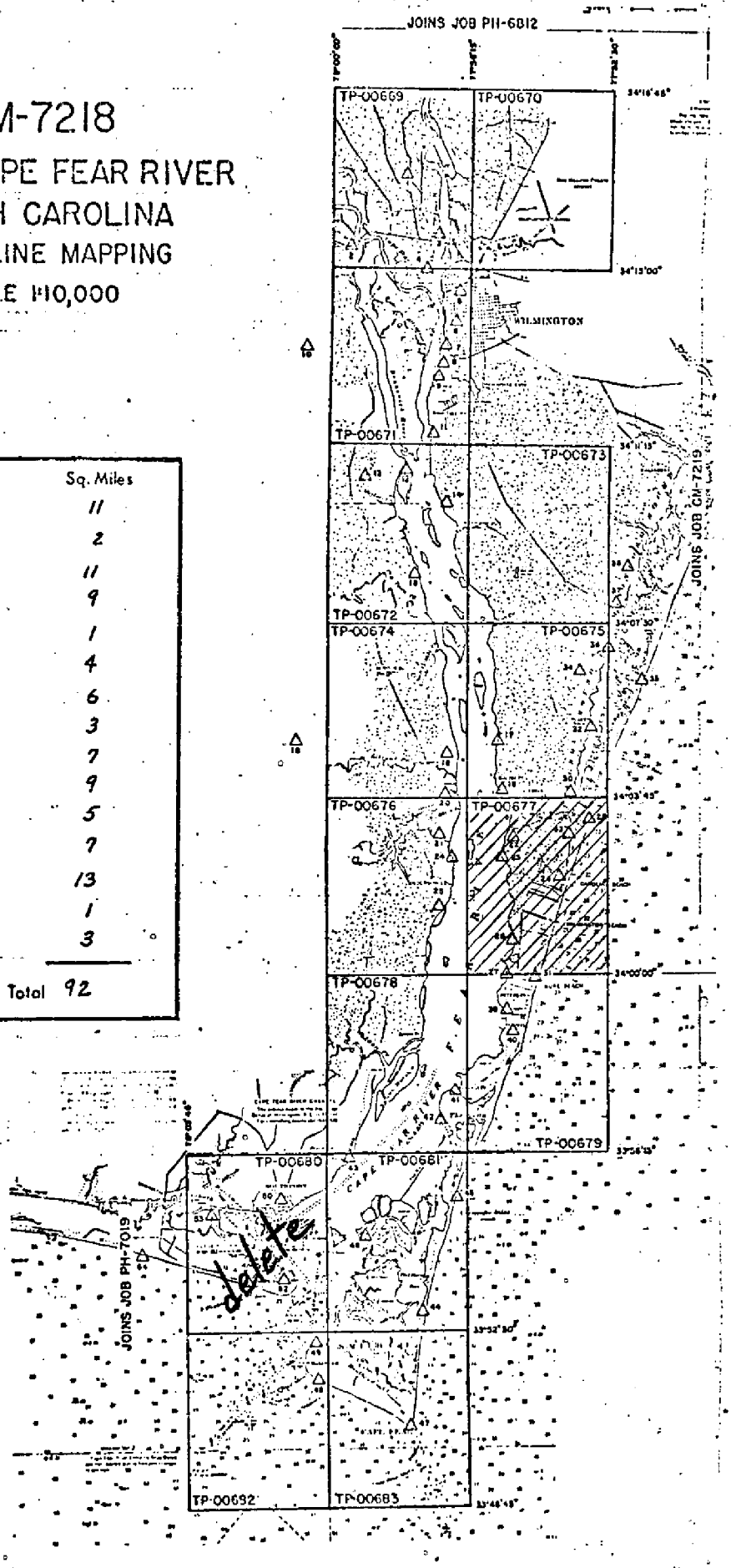
Return receipted copy to:

ATLANTIC MARINE CENTER
439 WEST YORK STREET
NORFOLK, VA. 23510
ATTN: CAM 52x1 Barnes

CM-7218

LOWER CAPE FEAR RIVER
NORTH CAROLINA
SHORELINE MAPPING
SCALE 1:10,000

Sheet No.	Sq. Miles
TP-00669	11
TP-00670	2
TP-00671	11
TP-00672	9
TP-00673	1
TP-00674	4
TP-00675	6
TP-00676	3
TP-00677	7
TP-00678	9
TP-00679	5
TP-00680	7
TP-00681	13
TP-00682	1
TP-00683	3
Total	92



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00677

This shoreline manuscript is one of fourteen 1:10,000 scale maps which comprise Parts I and II of Project CM-7218, Lower Cape Fear River, North Carolina. This map is in Part II. It falls within the limits of TP-00702 which is a part of the Southern Coastal Plains Expedition or SCOPE Project. There is no detail mapped that is common to both maps.

Field work prior to compilation consisted of recovery and premarking horizontal control required for bridging.

Analytic aerotriangulation for Part II was done in the Rockville Office in 1974 using the 1:30,000 scale, color, infrared, bridging photography dated October 1973. Bridge points were dropped for ordering 1:10,000 scale ratios.

Compilation was done at the Atlantic Marine Center in September and October 1974 using the 1:30,000 scale bridging photography for inshore details and the "tide coordinated" (see Form 76-36b, Item 1) photographs for the mean high and mean low water lines.

Field edit was done in February 1975.

Final review was done at the Atlantic Marine Center in July 1976.

The original manuscript is a stabilene sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude.

A stable base copy and a negative of the final reviewed manuscript were forwarded for record and registry.

PHOTOGRAMMETRIC PLOT REPORT
Job CM-7218
Lower Cape Fear River
North Carolina

21. Area Covered

This project covers the lower portion of the Cape Fear River, from just north of Wilmington, North Carolina, to the mouth of the river. Included are eleven T-sheets (TP-00669 thru TP-00679). All sheets are 1:10,000 scale.

22. Method

Two strips of color IR photography were bridged on the Wild STK 1 in order to obtain pass point positions and exact scale ratios to be used during compilation.

Strip 1 (west strip) was adjusted on five triangulation stations and one tie point from Strip 2 (east strip) with two additonal triangulation stations as checks. Strip 2 was adjusted on five triangulation stations and one tie point from Strip 1 with three additional triangulation stations as checks. Twenty-three tie points also provided checks between the two strips. Both adjustments were performed on the IBM 6600. All sheets were rules and plotted on the Coradomat.

1:10,000 scale ratios were ordered.

Horizontal Control held within National Map Accuracy.

24. Supplemental Data

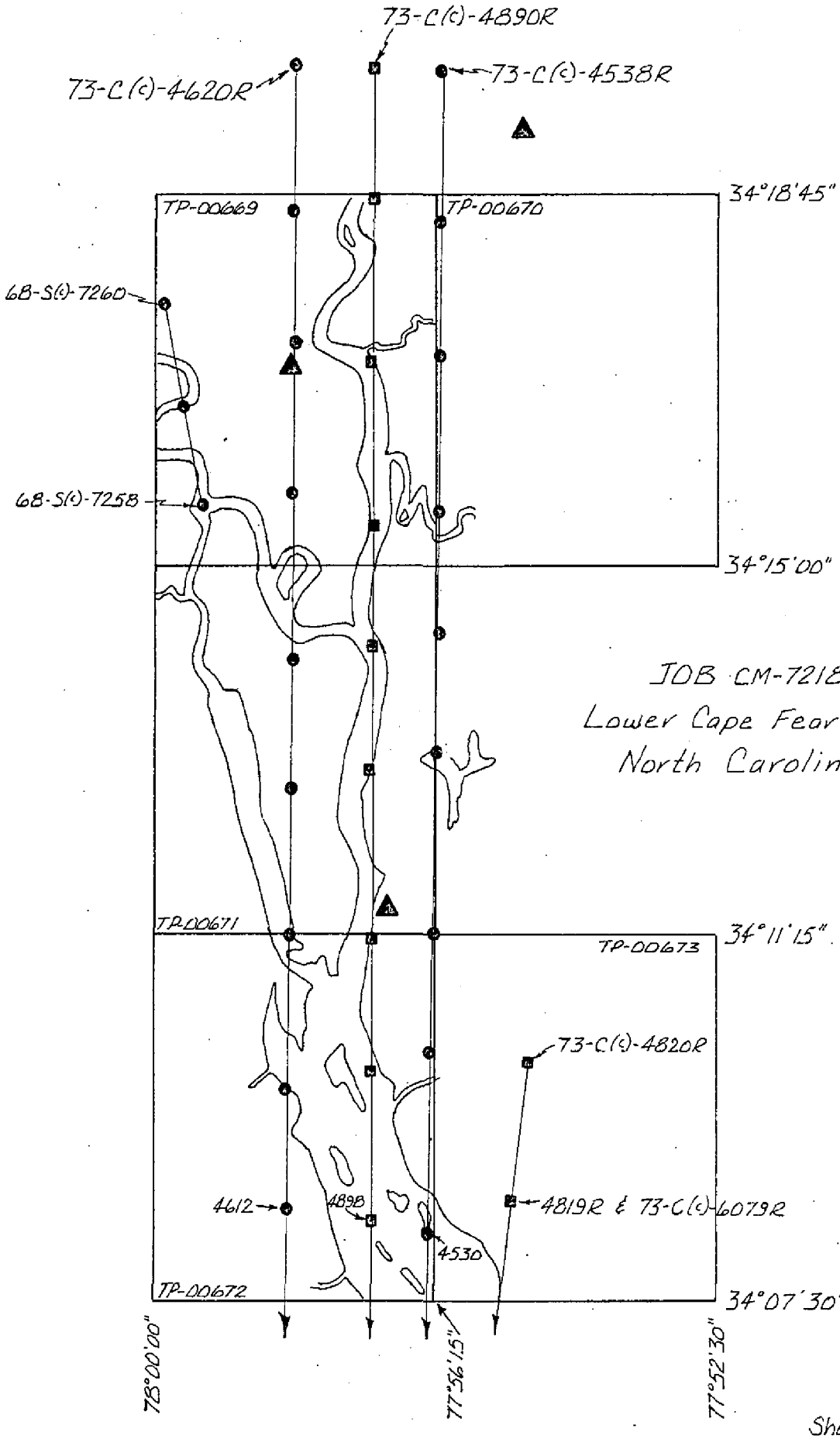
Vertical control, for bridging only, was obtained from local USGS quads.

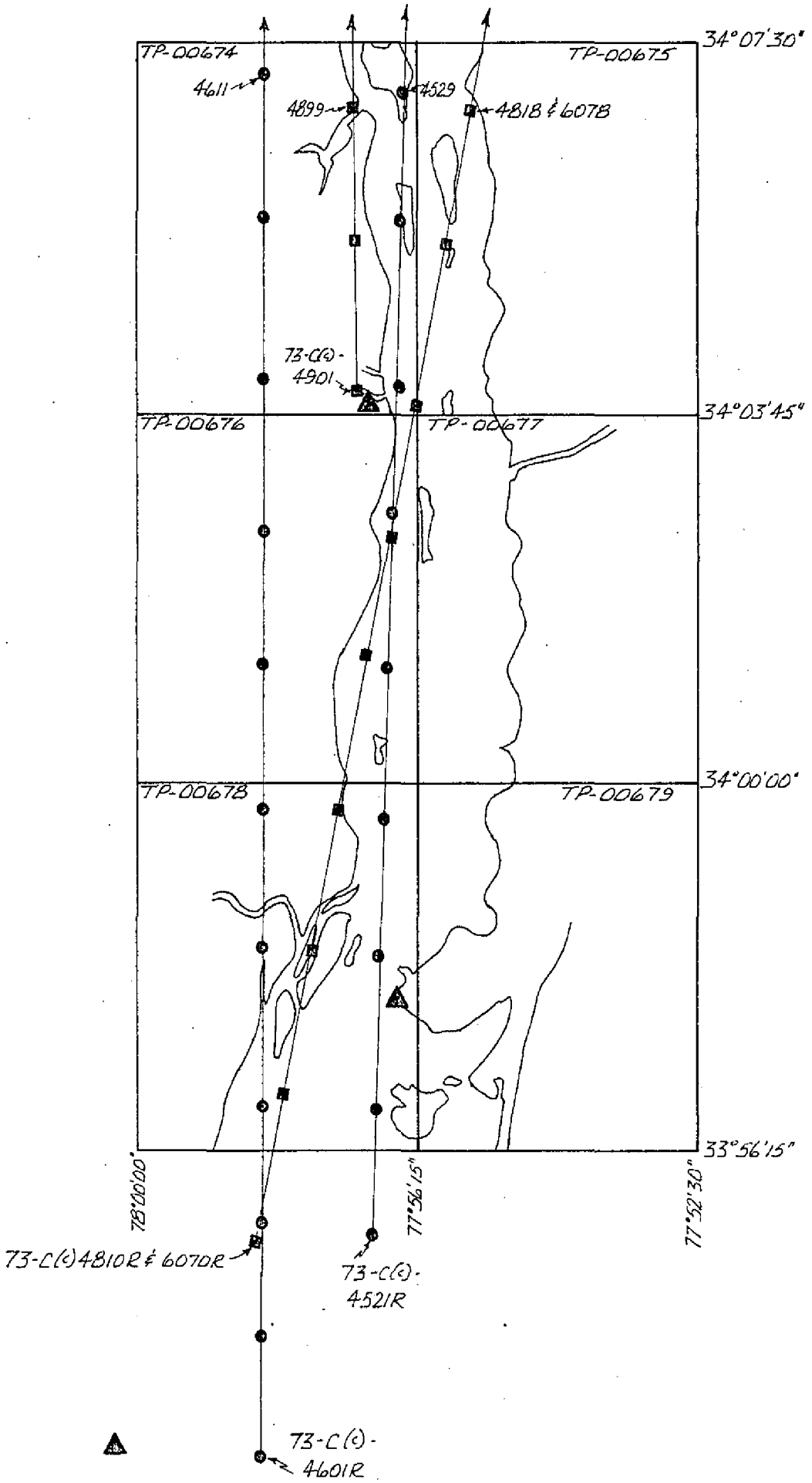
25. Photography

Photography was adequate as to overlap, definition, and coverage.

Submitted by,
Michael L. McGinley

Approved by:
John D. Perrow, Jr.
Chief, Aerotriangulation Section


73-C(c)-4890R
73-C(c)-4620R
73-C(c)-4538R
34°18'45"
TP-00669
TP-00670
68-S(c)-7260
68-S(c)-7258
34°15'00"
JOB CM-7218
Lower Cape Fear River
North Carolina
TP-00671
34°11'15"
TP-00673
73-C(c)-4820R
4612
4898
4819R & 73-C(c)-6079R
4530
TP-00672
34°07'30"
78°00'00"
77°56'15"
77°52'30"


34°07'30"
TP-00674
TP-00675
4611
4899
4529
4818 & 6078
73-C(c)-4901
34°03'45"
TP-00676
TP-00677
34°00'00"
TP-00678
TP-00679
33°56'15"
78°00'00"
77°56'15"
77°52'30"
73-C(c)4810R & 6070R
73-C(c)-4521R
73-C(c)-4601R

Notes to Compiler

Photo-image points were located during bridging to be used if required, for controlling stereo models 68S(C)7258/59 and 7259/60. These photos cover the river in the western portion of sheet TP-00669.

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00677	CM-7218	N.A. 1927	

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE North Carolina ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS Forward	REMARKS Back
TRACK, 1918	G.P. Vol. II Pg. 530		x=	φ 34 02 49.474	1524.3	(324.4)
			y=	λ 77 54 24.943	639.8	(899.2)
BEACON NO. 67, 1933	G.P. Vol. II Pg. 534		x=	φ 34 03 31.065	957.1	(891.6)
			y=	λ 77 53 23.713	608.1	(930.6)
BEND, 1918	G.P. Vol. III Pg. 619		x=	φ 34 03 00.91788	28.3	(1820.4)
			y=	λ 77 53 47.94122	1229.6	(309.3)
CAROLINA BEACH MUNICIPAL WATER TANK, 1962	G.P. Vol. III Pg. 2878		x=	φ 34 02 03.92375	120.9	(1727.8)
			y=	λ 77 53 47.86438	1227.9	(311.3)
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		

COMPUTED BY A.C. Rauck, Jr.	DATE 8/5/74	COMPUTATION CHECKED BY Frank Margiotta	DATE 8/7/74
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

COMPILATION REPORT

TP-00677

31. DELINEATION

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color infrared photography. Photography was adequate.

32. CONTROL

See the attached Photogrammetric Plot Report, not dated.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water and mean low water lines were delineated from the "tide coordinated" photographs.

36. OFFSHORE DETAILS

Photography was sufficient in coverage and quality to allow for the complete delineation of all offshore details above the mean low water line.

37. LANDMARKS AND AIDS

Preliminary Forms 76-40, Nonfloating Aids or Landmarks for Charts were prepared by the Compilation Office and forwarded to the Field Editor and/or the Hydrographer for verification, location, or deletion.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See the attached Form 76-36b, item #5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangle: CAROLINA BEACH, N.C., scale 1:24,000, dated 1970.

47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: No. 11247 (426), scale 1:40,000, 11th edition, dated June 3, 1972.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted by:

Irene K. Perkinson

Irene K. Perkinson
Carto. Tech., 4 October 1974

Approved:

Albert C. Rauck Jr.

Albert C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC

ADDENDUM TO THE COMPILATION REPORT

TP-00677

FIELD EDIT

Field edit was adequate. All questions were answered.

2 Oct. 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7218 (Lower Cape Fear River, N.C.)

TP-00677

Cape Fear River

Federal Point

Intracoastal Waterway

Military Ocean Terminal - Sunny Point

Snows Cut

Approved by

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer--C51x2

NOAA FORM 75-74
(7-75)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00677

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
FM	FM	FM	FM

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
FM	NA	NA

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA		FM	FM

ALONGSHORE AREAS *(Nautical Chart Data)*

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

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
FM	FM	FM	FM

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
FM	NA	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
FM	FM	FM	FM

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
FM		FM

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
FM	FM	FM	FM

40. REVIEWER		SUPERVISOR, REVIEW SECTION OR UNIT
Frank Margiotta	10/15/74	Albert C. Rauck, Jr.

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		SUPERVISOR
Irene Perkinson	4/1975	
Reviewed: A.L. Shands	5/1975	Albert C. Rauck, Jr.

43. REMARKS

Field Edit was applied from: Forms 76-40, Forms 526, Field Edit Ozalid and ozalid film; two typed sheets for positions for New Carolina Beach Boat Basin & Channel Markers; Photos 73C(C)(I)6071, 73C(C)(I)6072 and 73C(C)(I)4815

FIELD EDIT REPORT
JOB CH 7218
LOWER CAPE FEAR RIVER
MAPS TP-00676 and TP-00677

52. Adequacy of Compilation

Compilation was adequate. The MHWL was accepted as compiled according to instructions received from the Chief, Coastal Mapping Division, dated May 28, 1974. The field work on these maps except for topo of a new boat basin was accomplished by Lt. George W. Jamerson. The writer of this report made no attempt to "second guess" the field editor. Except for the new boat basin mentioned previously no significant shoreline changes were noted during field edit. Little of any importance was overlooked during compilation. A few piling, visible on photo 73C 6072 were omitted. These were indicated on the field edit ozalid and cross-referenced to the photograph. A small "foul" area near the southern limit of sheet TP-00677 was overlooked. It was accurately delineated on the film ozalid of the manuscript and attention drawn to it on the field edit ozalid.

The wharfs on the west shore of the Cape Fear River are known as "Center Wharf" and "North Wharf" respectively, instead of "Wharf No. 2 and No. 3". These wharfs are part of Sunny Point Military Ocean Terminal and are in a restricted area.

A new boat basin has been built since photography just south of Snows Cut on map TP-00677. A scaled sketch (1" = 50 ft of the basin was made on the film ozalid of the manuscript. The basin was then tied in, at key points, from a traverse station in the vicinity. A list of the positions of these points is included with this report. The points are indicated on the sketch, along with six new channel markers that form part of the boat basin. Positions of the channel markers are included with this report. The basin is a part of Carolina Beach State Park.

54. Recommendations

See the report for Maps TP-00674 and TP-00675.

56. Landmarks and Non-Floating Aids for Navigation

There are three landmarks on these maps. All of them on sheet TP-00677. Two of them, Doran Towers, were correctly compiled and were entered as "position verified" on the Form 76-40 furnished by compilation. The third landmark, a tank, was not extant at the time of photography. It was located by ground survey methods, indicated on the field edit ozalid, and entered on Forms 76-53 and 76-40 which are included with this report.

There are twenty-seven aids to navigation on these maps. Sixteen of them were correctly compiled and were entered as "position verified" on the Form 76-40 furnished the field editor by the compiling activity. Five of the

remaining aids were visible on the photography and were entered as "P.1" on the Form 76-40 mentioned above. The other six aids were located by sextant fixes and plotted on the film ozalid of the manuscript. The sextant fixes were listed in a sketch book which is discussed under side heading 52 in the report for Maps TP-00672 and TP-00673. These aids were entered on the Form 76-40 as "F.4.C." The form is included with this report.

57. Rocks, Reefs and Shoals

There are no rocks or reefs, as defined, on either of these maps. There are numerous shoals and shallow areas, but, except where specifically questioned, no effort was made to delineate them or give heights on them. Concurrent hydrography is being run on these maps and it was felt that the effort would be a needless duplication. See the current hydrography for shoals and shallow areas on these maps.

58. Photography

Photography consisted of 1:10,000 scale color infrared prints of color photographs and was office prepared. The photography was good.

59. Disposition of Data

The field edit ozalid, the film ozalid, the color photography, and all pertinent field edit data were forwarded to the Director, Atlantic Marine Center.

Richard E. Kesselring
Surveying Technician
Photo Party 62

To charts
5/9/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC- Norfolk,Va.	North Carolina	Lower Cape Fear River	Apr.1975

The following objects HAVE [XX] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
437	CM-7218	TP-00677	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE // D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE // D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
	CAPE FEAR RIVER							
DAYBEACON	Pos. differs by 20 m. from editors fix.) Wilmington Short Cut Daybeacon 167	34-02	55.60 / 1713	77-55	30.06 / 771	73C(C)(I)6071 Nov.10,1973	V-Vis. Feb.1975	426 11539
DAYBEACON	Wilmington Short Cut Daybeacon 170	34-02	42.06 / 1296	77-55	43.43 / 1114	" "	" "	" "
DAYBEACON	Wilmington Short Cut Daybeacon 172	34-02	25.90 / 798	77-55	52.75 / 1353	" "	P-5 73C(C)(I)6072 Feb.1975	" "
DAYBEACON	Wilmington Short Cut Daybeacon 174	34-02	13.21 / 407	77-56	00.04 / 1	" "	" " "	" "
DAYBEACON	Wilmington Short Cut Daybeacon 176	34-02	00.13 / 4	77-56	07.87 / 202	" "	" " "	" "
LIGHT	Wilmington Short Cut Light 177	34-01	46.35 / 1428	77-56	11.70 / 300	" "	V-Vis. Feb.1975	" "
LIGHT	Wilmington Short Cut Light 163	34-03	04.54 / 140	77-55	07.17 / 184	" "	" "	" "
LIGHT	Upper Liliput Range Rear Light	34-03	16.33 / 503	77-55	46.32 / 1188	" "	" "	" "
LIGHT	Lower Midnight Channel Range Front Light	34-01	26.84 / 827	77-56	08.42 / 216	" "	" "	" "

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To charts
5/9/75

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

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

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

[XX] TO BE CHARTED
[ ] TO BE REVISED
[ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC- Norfolk,Va.	North Carolina	Lower Cape Fear River	Apr.1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
437	CM-7218	TP-00677	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	Lower Midnight Channel Range Rear Lt. Snows Cut Range Rear Light A	34-02	53.26 1641	77-55	41.53 1065	73C(C)(I)6071 Nov.10,1973	V-Vis. Mar.1975	426 11539
LIGHT	Snows Cut Range Front Light A	34-02	54.85 1690	77-55	36.81 944	" "	" "	" "
LIGHT	Snows Cut Range Rear Light B	34-03	18.11 558	77-55	21.21 544	" "	" "	" "
LIGHT	Snows Cut Range Front Light B	34-03	00.94 29	77-55	30.88 792	" "	" "	" "
	CAPE FEAR RIVER							
LIGHT	Wilmington Short Cut Light 5	34-03	31.29 964	77-55	44.80 1149	" "	V-Vis. Feb.1975	" "
DAYBEACON	Wilmington Short Cut Daybeacon 1	34-03	10.48 323	77-55	15.36 394	73C(C)(I)6071 Nov.10,1973	F-4-8-L Feb.1975	" "
DAYBEACON	Wilmington Short Cut Daybeacon 3	34-03	17.14 528	77-55	25.11 644	" "	" "	" "
DAYBEACON	Wilmington Short Cut Daybeacon 4	34-03	26.48 816	77-55	32.71 839	" "	" "	" "
DAYBEACON	Wilmington Short Cut Daybeacon 165	34-02	59.52 1834	77-55	20.08 515	NOTE: This aid appears in the 1975 Light List. It has been located photogrammetrically. Not located by the field editor.		

To charts
5/9/75

NOAA FORM 76-40
(8-74)
Replaces C&GS Form 567.

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

[redacted] LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC- Norfolk,Va.	North Carolina	Lower Cape Fear River	Apr.1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
437	CM-7218	TP-00677	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE // D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE // D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TANK	Pedestal base watersphere.Ht.=95(107)	34-02	55.606 1713.3	77-54	27.159 696.6		F-3-6-L Mar.1975	426 11539
LORAN TOWER	Ht.=625(644)	34-03	36.42 1122	77-54	53.15 1363	73C(C)(I)6071 Nov.10,1973	V-Vis. Mar.1975	" "
LORAN TOWER	Ht.=625(644)	34-03	40.67 1253	77-54	36.15 927	" "	" "	" "

SW
SE

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To charts
5/9/75

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC- Norfolk,Va.	North Carolina	Lower Cape Fear River	Apr.1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
437	CM-7218	TP-00677	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
	CAROLINA BEACH NEW BOAT BASIN							
CHANNEL MARKER	Carolina Beach Channel Marker L-1	34-03	01.40 43	77-55	15.40 395		*	426 11539
CHANNEL MARKER	Carolina Beach Channel Marker R-2	34-03	01.04 32	77-55	16.22 416		*	" "
CHANNEL MARKER	Carolina Beach Channel Marker L-3	34-03	00.23 7	77-55	14.08 361		*	" "
CHANNEL MARKER	Carolina Beach Channel Marker R-4	34-02	59.59 1836	77-55	14.39 369		*	" "
CHANNEL MARKER	Carolina Beach Channel Marker L-5	34-03	00.32 10	77-55	11.31 290		*	" "
CHANNEL MARKER	Carolina Beach Channel Marker R-6	34-02	59.59 1836	77-55	11.70 300		*	" "
	* NOTE: These aids identified with positions by the field editor.							
	They are not previously charted, nor included in the 1975 Light	List.						

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To charts
5/9/75

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☐ TO BE CHARTED
☐ TO BE REVISED
☒ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC- Norfolk,Va.	North Carolina	Lower Cape Fear River	Apr.1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
437	CM-7218	TP-00677	N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	(Lower Midnight Channel, Range Rear Light,1933)	34-02	52.876 1629.2	77-55	42.302 1085.0		Destroyed Mar.1975	426 11539
LIGHT	(Canal Approach,Rear Light,1933)	34-03	17.828 549.3	77-55	21.346 547.5		" "	" "
LIGHT	(Canal Entrance Light,1933)	34-02	55.304 1704.0	77-55	35.799 918.2		" "	" "
LIGHT	(Canal Approach, Front Light,1933)	34-04	59.171 1823.1	77-55	32.005 820.9		" "	" "

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NOAA FORM 76-40 (8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☐ COMPILATION ACTIVITY
- ☒ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☐ TO BE CHARTED ☒ TO BE REVISED ☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC-Norfolk, VA	North Carolina	Lower Cape Fear River	JUL 1976

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-7218	TP-00677	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	POSITION LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	POSITION LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	METHOD AND DATE OF LOCATION FIELD	CHARTS AFFECTED
	CAROLINA BEACH NEW BOAT BASIN							
CHANNEL MARKER	Carolina Beach Channel Marker L-1	34 03	01.3 40.6 05	77 55	15.5 397.4 544		*	11537 (426)
CHANNEL MARKER	Carolina Beach Channel Marker R-2	34 03	01.0 ~~32.3~~ 30.81	77 55	16.2 ~~415.5~~ 4976		*	11537 (426)
CHANNEL MARKER	Carolina Beach Channel Marker L-3	34 03	00.2 ~~04.9~~ 6.16	77 55	14.1 ~~362.7~~ 361.6368		*	11537 (426)
CHANNEL MARKER	Carolina beach Channel Marker R-4	34 02	59.6 1836.6 33	77 55	14.4 ~~370.1~~ 369.4032		*	11537 (426)
CHANNEL MARKER	Carolina Beach Channel Marker L-5	34 03	00.2 ~~06.2~~ 06.16	77 55	11.2 ~~288.3~~ 287.2576		*	11537 (426)
CHANNEL MARKER	Carolina Beach Channel Marker R-6	34 02	59.6 ~~1836.1~~ 33	77 55	11.8 ~~303.1~~ 304.7059		*	11537 (426)
			1836.3366					
	*These aids identified and field located by field editor							

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RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD	R. Kesselring	☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	R. Kesselring	FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Billy H. Barnes	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'
(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.
EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.
EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.
EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED
When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.
EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH
Enter 'V-Vis.' and date.
EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

NOAA FORM 76-40 (8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [ ] COMPILATION ACTIVITY
- [X] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [ ] TO BE CHARTED
- [X] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC-Norfolk, VA	North Carolina	Lower Cape Fear River	JUL 1976

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
	CM-7218	TP-00677	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE °	'	" D.M. Meters	POSITION LONGITUDE °	'	" D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
DAYBEACON	Snow's Cut Daybeacon 165	34	02	59.6 1836	77	55	20.2 518	73(C)(C)(I) 6071 Nov. 10, 1973		11537 (426)
DAYBEACON	Snow's Cut Daybeacon 167	34	02	55.8 1719	77	55	30.4 780	73(C)(C)(I) 6071 Nov. 10, 1973	V-Vis Feb. 1975	11537 (426)
DAYBEACON	Snow's Cut Daybeacon 170	34	02	42.06 1296	77	55	43.43 1114	73(C)(C)(I) 6071 Nov. 10, 1973	V-Vis Feb. 1975	11537 (426)
DAYBEACON	Snow's CutyDaybeacon 172	34	02	25.90 798	77	55	52.75 1353	73(C)(C)(I) 6071 Nov. 10, 1973	V-Vis Feb. 1975	11537 (426)
DAYBEACON	Snow's Cut Daybeacon 174	34	02	13.21 407	77	56	00.04 1	73(C)(C)(I) 6071 Nov. 10, 1973	V-Vis Feb. 1975	11537 (426)
DAYBEACON	Snow's Cut Daybeacon 176	34	02	00413 4	77	56	07.87 202	73(C)(C)(I) 6071 Nov. 10, 1973	V-Vis Feb. 1975	11537 (426)
LIGHT	Snow's Cut Light 177	34	01	46.35 1428	77	56	11.70 300	73(C)(C)(I) 6071 Nov. 10, 1973	V-Vis Feb. 1975	11537 (426)

Typed checked
LBH
8/16/76

25

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

REVIEW REPORT TP-00677

SHORELINE

July 1976

61. GENERAL STATEMENT:

See Summary, which is page six of this Descriptive Report.

The term "tide coordinated" is loosely used with this project. Photography was flown at mean high water and mean low water based on predicted tides - not based on staff readings as is generally thought of when "tide coordinated" is used. The word "predicted" is used in the remarks column on Form 76-15, Photographic Flight Report, for the 1973 photography which is referred to in the project instructions as being tide coordinated.

A comparison print showing differences noted in paragraphs 62, 64 and 65 is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with T-5041, scale 1:20,000 compiled from photographs taken in 1933. At Federal Point there was an outlet from a manufacturing plant that is no longer extant. The only detail that could be seen on photography were a pier-in-ruins, an old bulkhead and a groin. All aids shown on the topo sheet have been moved. These and other significant differences are shown on the comparison print in blue. T-5041 is the latest registered prior survey of the area. In the area compared, TP-00677 supersedes T-5041 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle CAROLINA

BEACH, N.C., scale 1:24,000, dated 1970. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the Preliminary Boat Sheets H-9501 (AHP-10-2-75), and H-9502 (AHP-10-3-75), scale 1:10,000, dated 1975. The only significant differences noted were the positions of Snows Cut Daybeacons 165 and 167 and Wilmington Short Cut Daybeacons 1, 3 and 4. These differences are shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

The area covered by this map lies within the limits of NOAA-NOS Chart 11537 (426), scale 1:40,000, 15th edition dated April 3, 1976. Significant differences are shown in red on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions (See Summary and Section 61 of this report), meets the requirements for Bureau Standards, and National Standards of Map Accuracy.

Reviewed by:

Billy H. Barnes

Billy H. Barnes
Cartographer

Approved for forwarding:

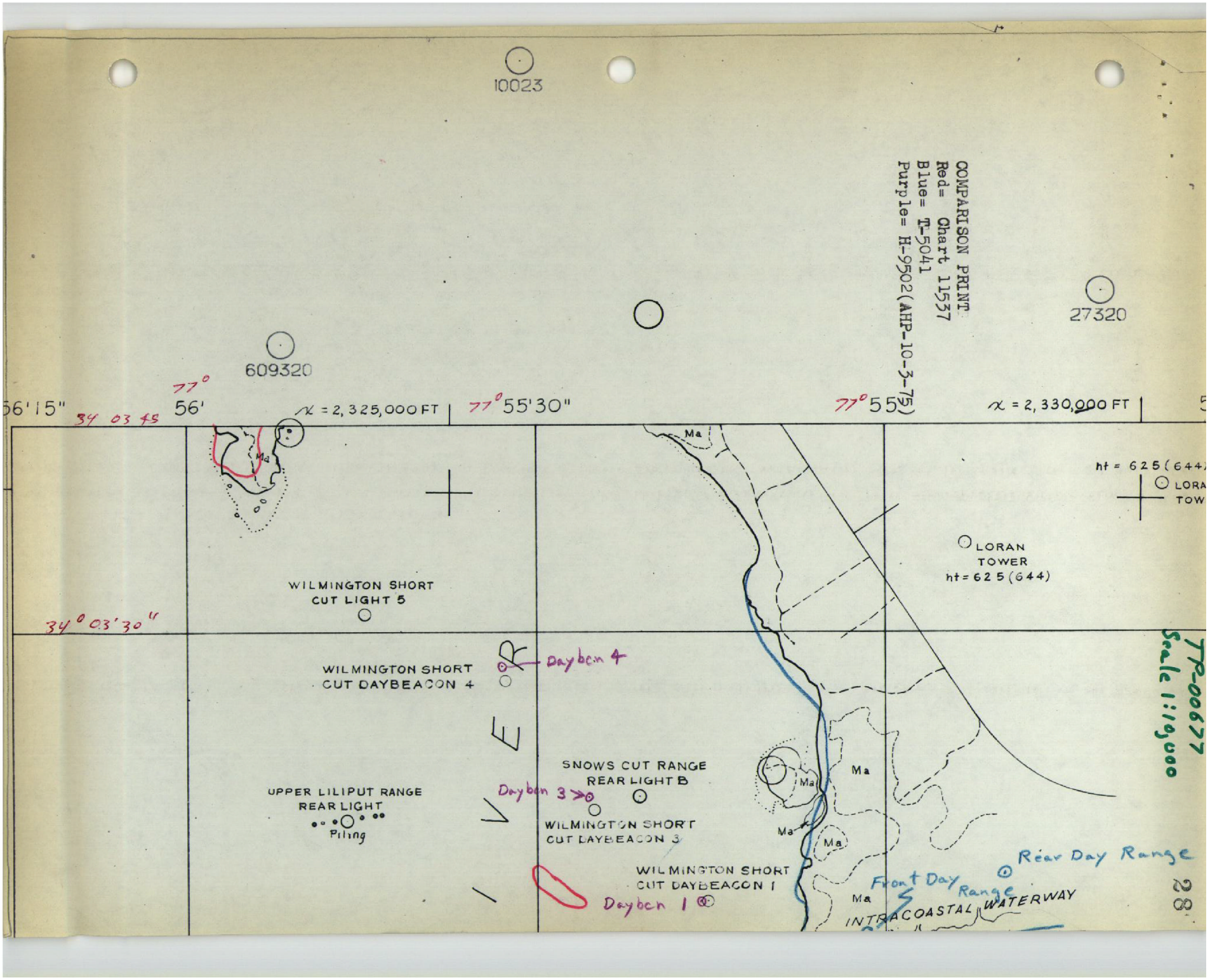
Joseph W. Vonasek

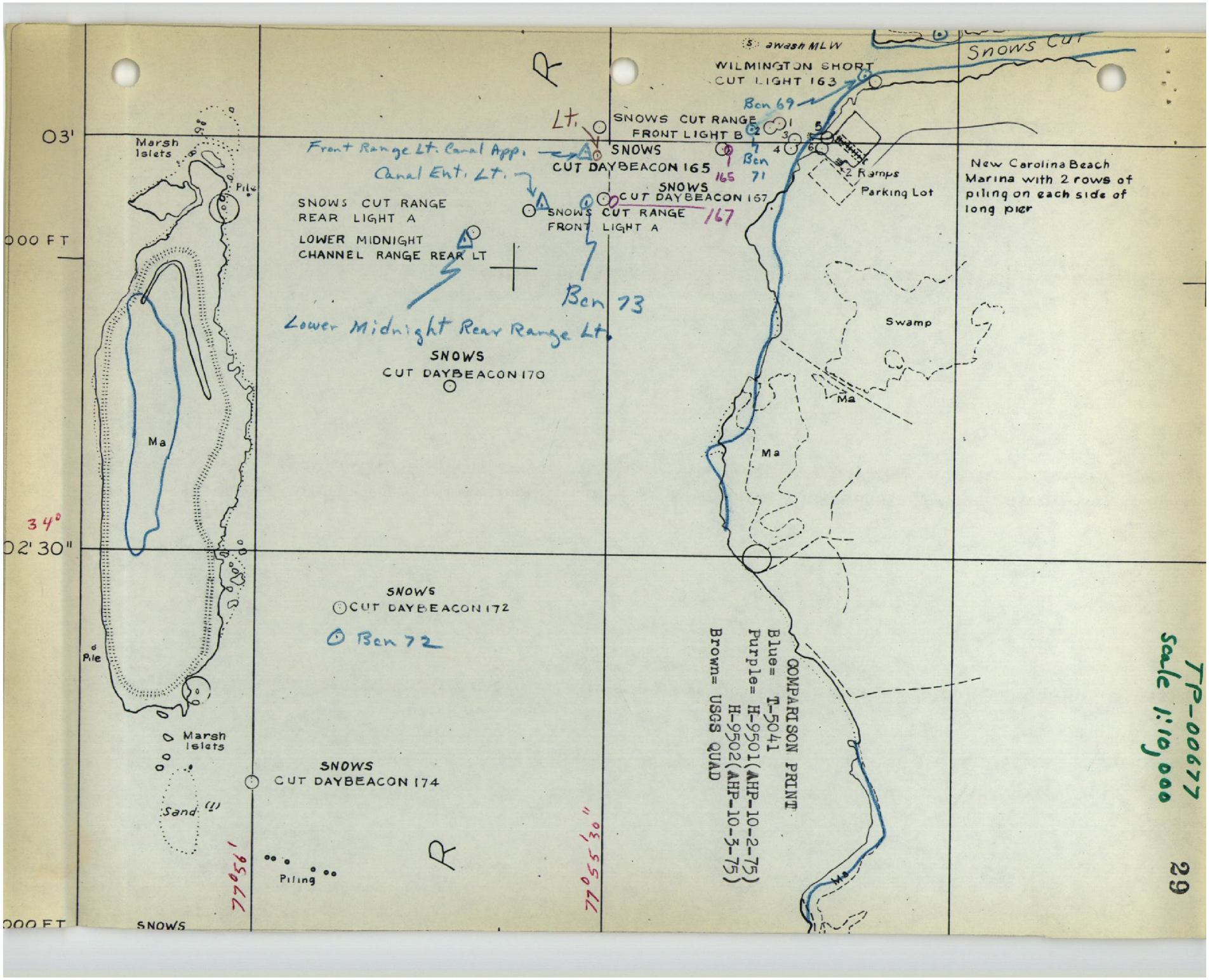
Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

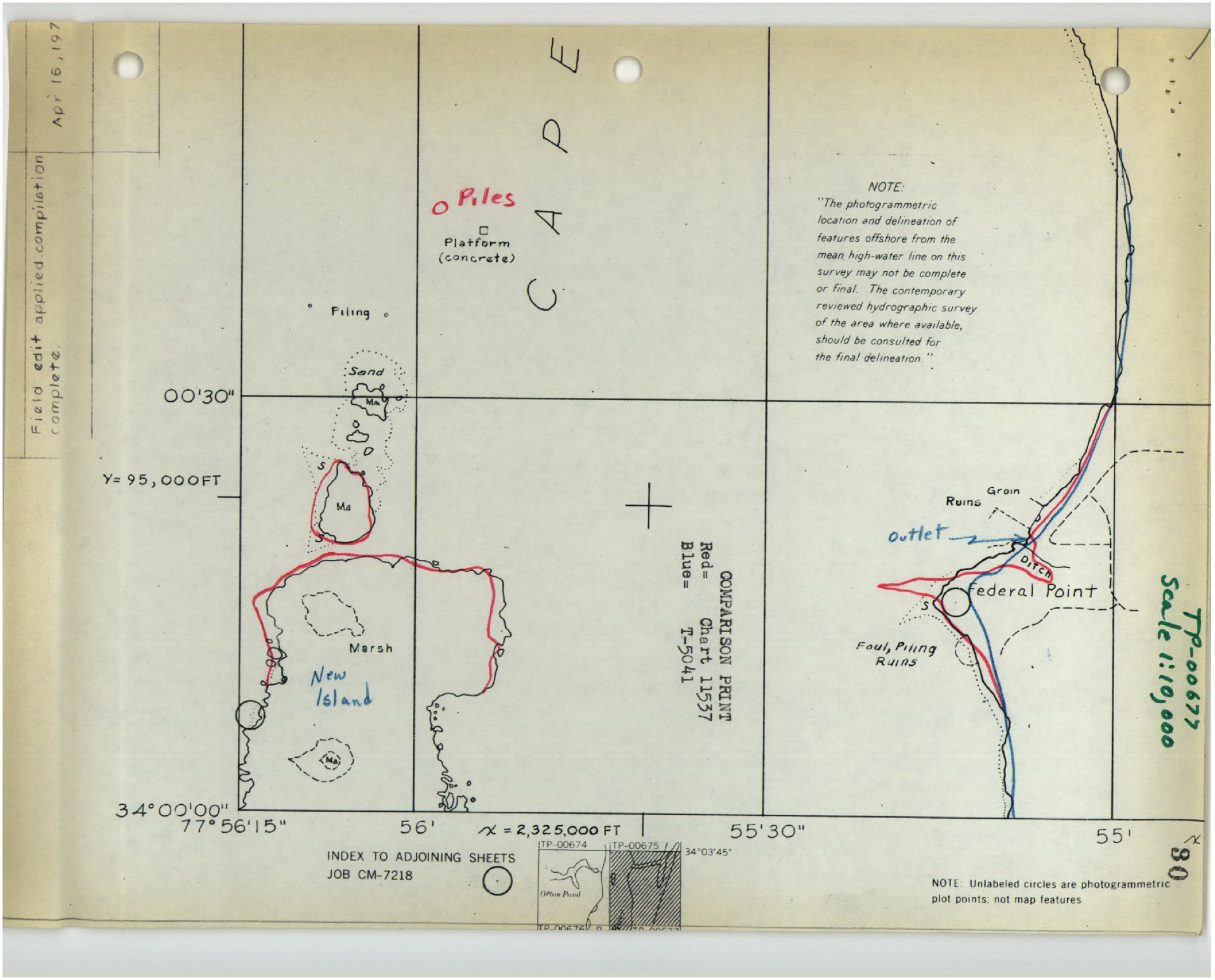
Approved:

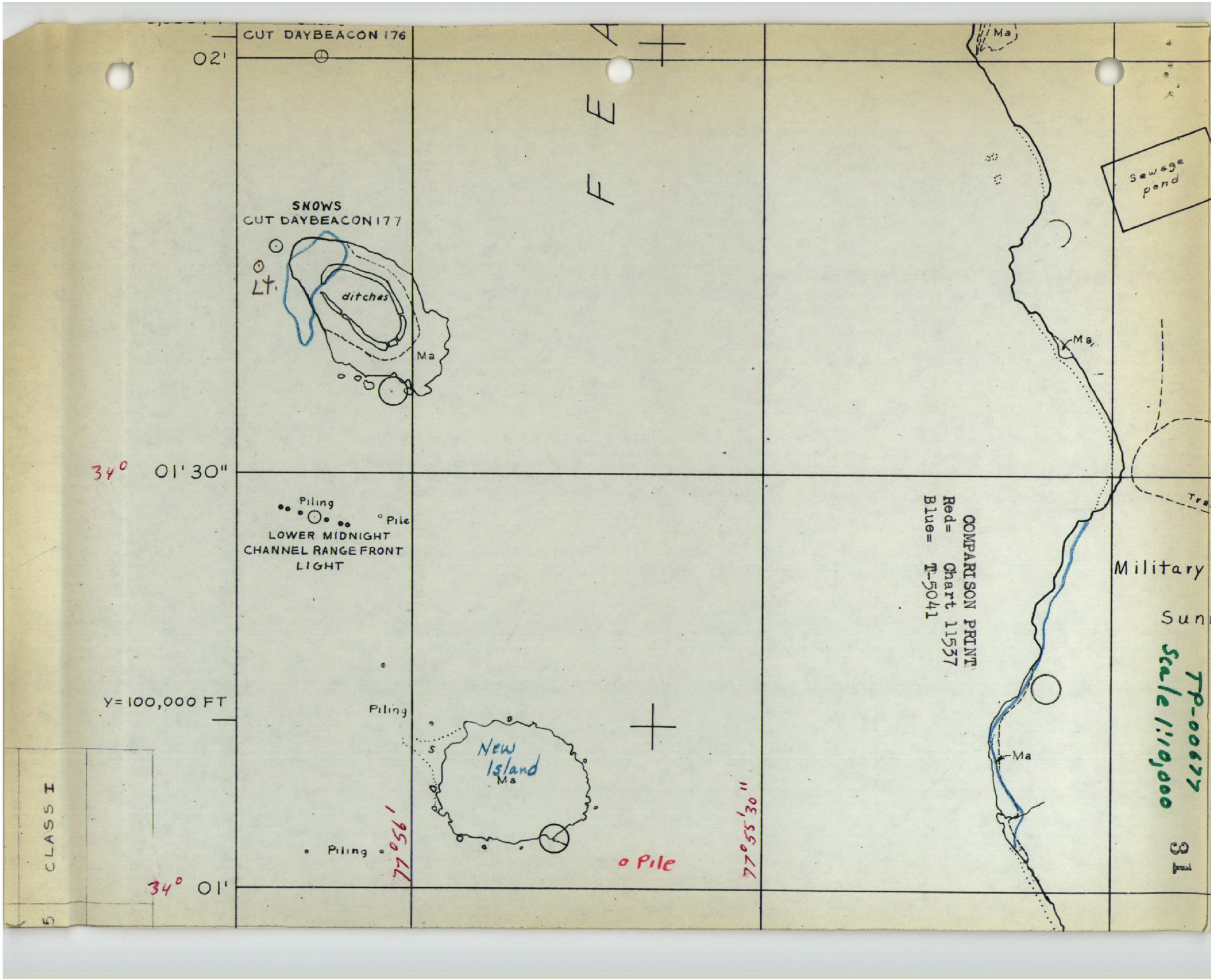
Chief, Photogrammetric Branch

Chief, Coastal Mapping Div


10023
609320
27320
COMPARISON PRINT
Red= Chart 11537
Blue= T-5041
Purple= H-9502 (AHP-10-3-75)
77°
56'15"
56'
34 03 45
x = 2,325,000 FT
77°55'30"
77°55
x = 2,330,000 FT
Ma
WILMINGTON SHORT
CUT LIGHT 5
34°03'30"
WILMINGTON SHORT
CUT DAYBEACON 4
Dayben 4
LORAN
TOWER
ht = 625 (644)
SNOWS CUT RANGE
REAR LIGHT B
Dayben 3
UPPER LILIPUT RANGE
REAR LIGHT
Piling
WILMINGTON SHORT
CUT DAYBEACON 3
WILMINGTON SHORT
CUT DAYBEACON 1
Dayben 1
RIVER
Front Day Range
Rear Day Range
INTRACOASTAL WATERWAY
TP-00677
Scale 1:10,000
28


03'
000 FT
34°
02' 30"
000 FT
Marsh Islets
Pile
Ma
Pile
Marsh Islets
Sand (!)
Piling
SNOWS
SNOWS CUT RANGE REAR LIGHT A
LOWER MIDNIGHT CHANNEL RANGE REAR LT
SNOWS CUT DAYBEACON 165
SNOWS CUT DAYBEACON 167
SNOWS CUT RANGE FRONT LIGHT A
SNOWS CUT DAYBEACON 170
SNOWS CUT DAYBEACON 172
SNOWS CUT DAYBEACON 174
SNOWS CUT RANGE FRONT LIGHT B
WILMINGTON SHORT CUT LIGHT 163
awash MLW
Snows Cut
Front Range Lt. Canal App.
Canal Ent. Lt.
Lt.
Lower Midnight Rear Range Lt.
Bcn 69
Bcn 71
Bcn 73
Bcn 72
165
167
New Carolina Beach Marina with 2 rows of piling on each side of long pier
2 Ramps
Parking Lot
Swamp
Ma
Ma
Ma
77°55'30"
77°50'00"
COMPARISON PRINT
Blue= T-5041
Purple= H-9501(AHP-10-2-75)
H-9502(AHP-10-3-75)
Brown= USGS QUAD
TP-00677
Scale 1:10,000
29


Field edit applied compilation complete.
Apr 16, 197
CAPE
Piles
Platform (concrete)
Piling
Sand
Ma
00'30"
Y= 95,000FT
Marsh
New Island
34°00'00"
77°56'15"
56'
X = 2,325,000 FT
55'30"
55'
NOTE:
"The photogrammetric location and delineation of features offshore from the mean high-water line on this survey may not be complete or final. The contemporary reviewed hydrographic survey of the area where available, should be consulted for the final delineation."
COMPARISON PRINT
Red= Chart 11537
Blue= T-5041
Groin Ruins
Outlet
Ditch
Federal Point
Foul, Piling Ruins
TP-00677
Scale 1:10,000
INDEX TO ADJOINING SHEETS
JOB CM-7218
TP-00674
TP-00675
34°03'45"
Orton Pond
NOTE: Unlabeled circles are photogrammetric plot points; not map features
80


CUT DAYBEACON 176
02'
SNOWS
CUT DAYBEACON 177
Lt.
ditches
Ma
34° 01' 30"
Piling
Pile
LOWER MIDNIGHT
CHANNEL RANGE FRONT
LIGHT
Y= 100,000 FT
Piling
New Island
Ma
Piling
77°56'
77°55'30"
Pile
34° 01'
CLASS I
5
Ma
Sewage pond
Ma
Ma
Military
Sun
COMPARISON PRINT
Red= Chart 11537
Blue= T-5041
TP-00677
Scale 1:10,000
8