

TP-00887

008



TP-00887

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Special Surveys

Job No. CM-7501 Map No. TP-00887

Classification No. Final Edition No. 1

Field Edited Map

LOCALITY

State North Carolina

General Locality Oregon Inlet

Locality Bodie Island

1974 TO 1975

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)	U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00887</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>CM-7501</u>
		DESCRIPTIVE REPORT - DATA RECORD	

PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Rockville	LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
OFFICER-IN-CHARGE Cdr. James Collins		

I. INSTRUCTIONS DATED	
1. OFFICE	2. FIELD
General Instructions-OFFICE-1/23/75	Instructions-FIELD-10/22/74 Instructions-PHOTOGRAPHY-10/31/74 Instructions-FIELD EDIT-6/30/75

II. DATUMS	
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN	OTHER (Specify)
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL	OTHER (Specify) National Geodetic Vertical Datum of 1929
3. MAP PROJECTION Lambert Conformal	4. GRID(S) STATE North Carolina ZONE N.A. STATE _____ ZONE _____
5. SCALE 1:5,000	

III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION Analytical Block BY I. Raborn METHOD: Adjustment LANDMARKS AND AIDS BY N.A.		3/75
2. CONTROL AND BRIDGE POINTS PLOTTED BY D. Phillips METHOD: Coradomat CHECKED BY N.A.		3/75
3. STEREOSCOPIC INSTRUMENT Contours & PLANIMETRY BY G. Fromm COMPILATION CHECKED BY E.L. Rolle INSTRUMENT: B-8 Photobathymetry BY G. Fromm SCALE: 1:4,000 pantographed to 5,000 CHECKED BY E.L. Rolle		4/75
		4/75
		4/75
		4/75
4. MANUSCRIPT DELINEATION Contours & PLANIMETRY BY G. Fromm CHECKED BY E.L. Rolle METHOD: Photobathymetry BY G. Fromm smooth compilation drafting CHECKED BY E.L. Rolle SCALE: 1:5,000 HYDRO SUPPORT DATA BY N.A. CHECKED BY N.A.		5/75
		5/75
		5/75
		5/75
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY G. Fromm		6/18/75
6. APPLICATION OF FIELD EDIT DATA BY R.R. White (AMC)		7/75
7. COMPILATION SECTION REVIEW CHECKED BY J.W. Vonasek (AMC)		7/75
8. FINAL REVIEW BY E.L. Rolle		6/18/75
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY E.L. Rolle		6/28/76
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY E.L. Rolle		6/28/76
11. MAP REGISTERED - COASTAL SURVEY SECTION BY R.T. Cator		11/76

TP-00887

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 3.5" f.l. Wild RC-8 6" focal length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED B&W		ZONE Eastern <input checked="" type="checkbox"/> STANDARD MERIDIAN 75th <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
74C(C)1308,10,12,14,16	10/31/74	1405-1407	1:10,000	Refer to following page for tidal information	
74C(C)1392,94,96	10/31/74	1423-1424	1:10,000		
74E(I)7591R-7600R	10/31/74	1405-1407	1:5,800		
74E(I)7627R-7629R	10/31/74	1423-1424	1:5,800		

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:
The source of the MHW line is the tide-coordinated color photography listed under item 1, above.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:
The source of the MLW line is the tide-coordinated color photography and ratioed prints of the B&W infrared photography listed above under item 1.

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 No Contemporary Surveys	EAST	SOUTH TP-00888 TP-00889	WEST TP-00886
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REMARKS As this is a special survey, no attempt was made to junction with other NOS jobs in the area.

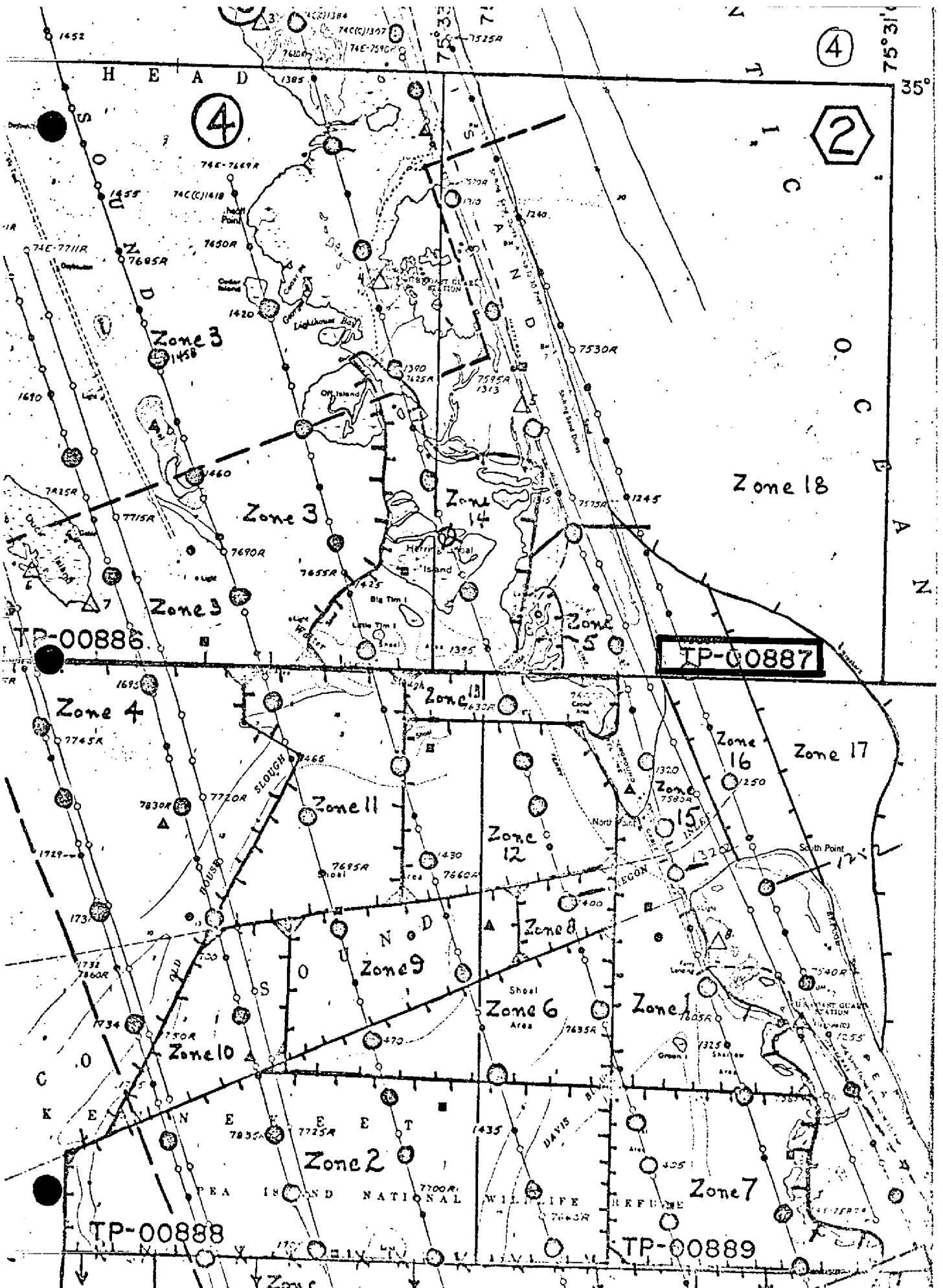
TIDE - COORDINATED PHOTOGRAPHY

TP - 00887

LOCATION AND PHOTOGRAPHY	TIDE STATIONS <i>(In operation at time of photography)</i>		STAGE OF TIDE	MEAN RANGE
	TIDE STATION	TIDAL ZONE *	Feet	Feet
74C(C) 1308,10,12, 14,16 18,20 74E7591R-7597R 74E7599R-7600R	Jeanette's Pier " " " " " " " " " " " "	18 18 16 18 16	+0.4 MLW +0.4 MLW +0.3 MLW +0.4 MLW +0.3 MLW	3.2 3.2 2.4 3.2 2.4
74C(C) 1314,1316 1392,94,96 1394, 96 74E7596R-7597R 7627R-7629R	Oregon Inlet Bridge " " " " " " " " " " " "	14 14 15 14 14	+0.09MLW +0.14 MLW +0.22 MLW +0.09MLW +0.14 MLW	0.8 0.8 0.6 0.8 0.8
74C(C) 1316,1318 74E7598R-7599R	Oregon Inlet Marina " " "	5 5	+0.23 MLW +0.23 MLW	0.6 0.6

REMARKS:

*Refer to the following page for a Tidal Zone Diagram.



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TP-00887

HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.S. Tibbetts L.F. Beugnet	10/74 7/75
2. HORIZONTAL CONTROL	RECOVERED BY	R.S. Tibbetts
	ESTABLISHED BY	R.S. Tibbetts
	PRE-MARKED OR IDENTIFIED BY	R.S. Tibbetts
3. VERTICAL CONTROL	RECOVERED BY	R.S. Tibbetts
	ESTABLISHED BY	R.S. Tibbetts
	PRE-MARKED OR IDENTIFIED BY	R.S. Tibbetts
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY	R.S. Tibbetts
	LOCATED (<i>Field Methods</i>) BY	L.F. Beugnet
	IDENTIFIED BY	NA
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input checked="" type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input type="checkbox"/> NO INVESTIGATION	L.F. Beugnet 7/75
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED All stations pre-marked		2. VERTICAL CONTROL IDENTIFIED All stations pre-marked	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)
74-C(c)-1316

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
Located or verified at the time of field edit.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: REPORT NONE 6. BOUNDARY AND LIMITS: REPORT NONE

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS (*Sketch books, etc. DO NOT list data submitted to the Geodesy Division*)
1 CSI card Form C/4S-152

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RECORD OF SURVEY USE

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I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	7/3/75	Class III manuscript		7/3/75
Field Edit Applied	7/22/75	Class I manuscript		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
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 567 SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Name 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)

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

SUMMARY
TP-00886 thru TP-00891

Under a cooperative agreement with the Corps of Engineers, Wilmington District, which became effective in October 1974, these six maps (TP-00886 thru TP-00891) were compiled at 1:5,000 scale in the area of Oregon Inlet, North Carolina.

The purpose of this special survey is to provide data for the Corps of Engineers on siltration rates in the entrance channel, possible impacts of entrance channel deepening on adjacent beaches, possible changes effected by dredging on the tidal prism and the circulation pattern, to update and establish tidal datums, and to update nautical charts covering the area.

Field operations, which began in October 1974, generally consisted of aerial photography, establishment of tidal datums, pre-marking of horizontal and vertical control, and field edit.

Aerotriangulation and compilation tide-coordinated photography was furnished at 1:10,000 scale from natural color film taken with the Wild RC-10 super-wide-angle camera. Supplemental black-and-white infrared tide-coordinated photography at 1:5,800 scale, taken concurrently in an independent mode using infrared film in the RC-8 camera, was also furnished.

Six strips of the 1:10,000 scale color photography were bridged by analytic aerotriangulation methods and adjusted to ground with the block adjustment. Thirteen horizontal control stations and twenty-four vertical control stations were weighted in the block adjustment. This provided horizontal and vertical control for compilation.

Compilation photography was the 1:10,000 scale color photography and the supplemental infrared photography. The Wild B-8, using the 1:10,000 scale photography, was used to compile planimetry, topography, and photobathymetry. The topography consists of 2-foot interval contours and spot elevations referred to the Mean Low Water Datum established by NOS. The photobathymetry consists of discrete soundings and 2-foot interval depth curves referred to the Mean Low Water Datum established by NOS.

All line work is smooth compilation drafting.

One plastic copy of each map, ten ozalid copies of each map, and one set of color printons covering the project were forwarded to:

Department of the Army
Wilmington District, Corps of Engineers
P.O. Box 1890
Wilmington, NC 28401
ATTN: Mr. R.P. Masterson, Jr.

A Chart Maintenance Print for each map was submitted to the Marine Chart Division.

The following items are registered in the Bureau Archives:

1. A plastic copy of each map (1:5,000 scale)
2. A Descriptive Report for each map

Negatives for each map are filed in the Reproduction Division.

All field data are filed in the National Archives.

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FIELD OPERATIONS REPORT
SPECIAL SURVEYS
OREGON INLET, N. C.
JOB CM-7501

Operations commenced on October 16, 1974. A total of 25 pre-marks, 15 horizontal and 10 vertical, were placed in position by October 26, 1974. Horizontal panel no. 3 and vertical panel no. 16 were combined into one station due to their proximity. One extra horizontal control panel, included in the above total, was placed near Hill, 1974 which is an auxiliary station used in locating some of the other control stations. Photography commenced on October 31, 1974 and was completed November 1, 1974. A total of eight lines were flown with two of them being reflown on the 1st. No high water photography was taken.

Ten of the paneled control stations were in water. These panels were placed in position by jetting down, with a small gasoline powered pump, four two by fours 12 feet in length to a depth of stability. The two by fours were then braced diagonally from the center with one by fours and laterally with fourteen gauge galvanized wire. The panels were then fastened to the top of the resulting structure. All control was paneled with the same configuration of panels. No distinctions were made between vertical control panels and horizontal control panels, i.e., both have 1.6 foot equilateral triangles for center panels and rectangular wing panels.

Nine of the horizontal control stations were located by three point theodolite fixes with check angles. Three were located by traverse, four by angle and distance, one by solar azimuth and distance, and one station was marked direct. The vertical control stations in the water were located with sextant fixes which are included on the back of their respective Control Station Identification Cards. Traverses and three point fixes were entered in Form 76252 Observation of Horizontal Directions which is enclosed with this report.

Information regarding angles and distances, solars and stations marked direct are included on the respective Control Station Identification card of the station involved.

A total of fifteen miles of levels was run to establish elevations on the National Geodetic Vertical Datum of 1929 on seven horizontal control panels and one vertical control panel. These are panel nos. 1, 2, 3 and 16 combined, 9, 10, 11, 12 and 21. Elevations of panel nos. 13, 14 and 15 were effected by transferring the water level from the Davis Slough Tide Staff. Elevations are given in feet above staff zero as no NGVD elevation was available for the staff. Water level transfers were made to panel nos. 7, 22 and 23 from Davis Slough Tide Staff and Old House Slough Tide Staff. Once again elevations were given in feet above staff zero as no NGVD elevations were available for the staffs. Panel nos. 17 and 19 had elevations transferred from the Oregon Inlet Marina Tide Staff and the Duck Island Tide Staff. The statement regarding elevations of previous panels also applies to these panels. The elevations for panel nos. 24 and 25 was transferred by water level from No Name Tide Staff. Panel no. 18 was transferred from the Duck Island Tide Staff as were the water level stakes for panel nos. 4

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and 5. Two water level stakes were used for panel no. 5 as an island was directly between the panel and the tide staff involved. The water level between the two stakes checked almost flat.

Panel nos. 8 and 20 were leveled directly from the Main Channel Tide Staff by differential levels. Elevations were given in feet above staff zero as no NGVD elevation for the staff was available.

The extra panel near Hill 1974 and panel no. 6 were leveled directly from Old House Slough Tide Staff by differential levels. Once again elevations were given above staff zero as no NGVD elevation for the staff was available.

Water transfers of elevations to panel nos. 7, 13, 14, 15, 18, 19, 22, 23 and 24 were made by using a level rod as a portable tide staff. The rod was held in the water against the center panel and wiggled around until settlement in the sandy bottom ceased. The top of the panel on the rod was then read and observations commenced on the water level on the rod. Simultaneous observations were made on the respective tide staffs and transmitted by radio to the party at the panel, by subtracting the mean water level reading on the rod from the reading at the top of the panel and adding the result to the mean tide staff reading, the elevations of the panels above zero of the tide staffs involved was obtained.

Elevations were transferred to panel nos. 4, 5, 17 and 25 by using a combination of water level and differential leveling. A stake was driven to water level near the stations while tide staff observations were transmitted via radio to the level party. Differential levels were then run from the water level stakes to the panels. By adding the height of the panel above the stake to the mean staff reading, the elevations of the panels above zero of the respective staffs were obtained.

Names used for the tide staffs involved in the above operations were indicated on the job diagram which is included with this report. Information obtained was entered in several Forms 76-77. Levels run to the land stations were entered in Form 638 Wye Leveling. Both are included with this report.

Tide observations during photography and leveling to the Jennette's Pier Tide Staff and the Oregon Inlet Bridge Tide Staff were entered in Form 76-77 Leveling Record - Tide Station. Prior levels had been run to the Jennette's Pier Tide Staff by a tide party from Rockville office. No such levels were run to the Oregon Inlet Bridge Tide Staff. A new tidal bench mark (No. 5, 1974) was established near Oregon Inlet Bridge Tide Staff and this mark was then tied to the existing marks at the Oregon Inlet Marina. The elevations obtained were referred to the zero of the Oregon Inlet Bridge Tide Staff.

Field work was completed on November 19, 1974 and all control panels were removed by November 21st. All pertinent data was completed and sent to Rockville on November 25, 1974.

Richard E. Kesselring
Richard E. Kesselring
Surveying Technician
Photo Party 62

NOTE: There was no field inspection prior to compilation.

Photogrammetric Plot Report
Oregon Inlet, North Carolina
CM-7501
March 1975

21. Area Covered

This report pertains to six sheets in the vicinity of Oregon Inlet, North Carolina. The Sheets (1:5,000) are TP-00886 thru TP-00891.

22. Method

Six strips (see sketch) of 1:10,000-scale color photography were bridged by analytic aerotriangulation methods and adjusted to ground with the block adjustment program. Points were established for determining ratios of 1:5,800-scale infrared support photography and also the bridging photography. Common points were located between strips 6 and 7 in order to set models in strip 7 if needed. Data for ruling projections were furnished to the Calcomp to be plotted in the North Carolina State plane coordinate system.

23. Adequacy of Control

The control was adequate, but horizontal panel number 2 (Bodie Island L.H. 1875, SS"A") did not meet the National Map Accuracy Standards in either of the strips or the block. Since the home station was "floated" and fit the adjustment, the substation was eliminated from the adjustment. Thirteen horizontal control stations were weighted in the adjustment. The largest residual in the fit to horizontal control was 1.7 feet.

Twenty-four vertical control stations were weighted. The largest residual in the fit to these stations was 0.72 foot.

24. Supplemental Data

USGS quadrangles were used to provide vertical control for some of the strips adjustment.

25. Photography

The photography was adequate as to coverage, overlap, and definition.

Respectfully submitted,

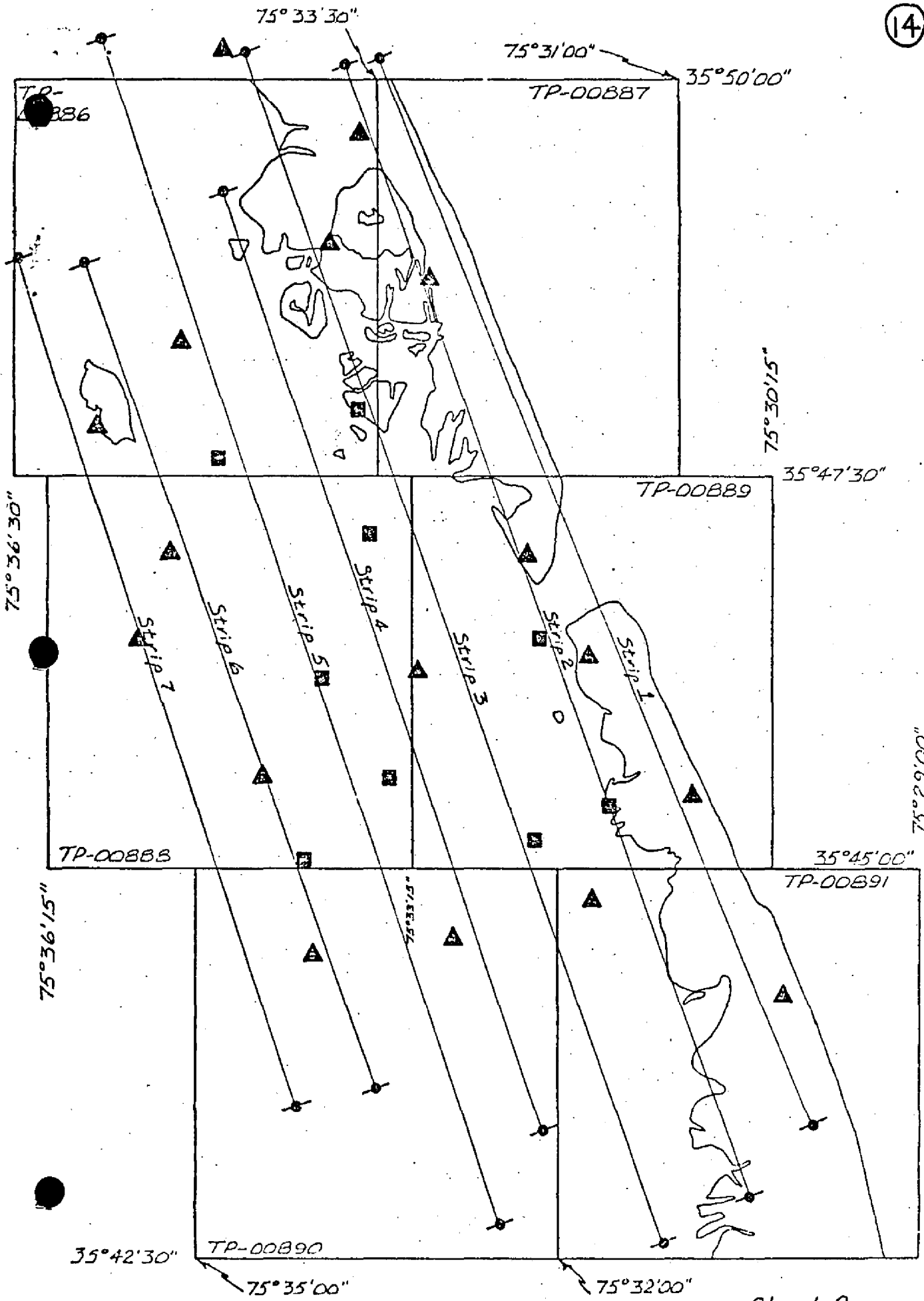
Ivey O. Raborn
Ivey O. Raborn

Approved and forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.
Chief, Aerotriangulation Section

JOB CM-7501
OREGON INLET
NORTH CAROLINA
1:5000 SCALE
JAN. '75

- STRIP 1 1:10000 Color 74C(©)1236-1267
1:5800 B/w IR 74E 7524R-7553R
- STRIP 2 1:10000 Color 74C(©)1307-1339
1:5800 B/w IR 74E 7567R-7587R
1:5800 " " " 7590R-7617R
- STRIP 3 1:10000 Color 74C(©)1384-1417
1:5800 B/w IR 74E 7619R-7647R
- STRIP 4 1:10000 Color 74C(©)1418-1444
1:5800 B/w IR 74E 7649R-7675R
- STRIP 5 1:10000 Color 74C(©)1448-1484
1:5800 B/w IR 74E 7678R-7709R
- STRIP 6 1:10000 Color 74C(©)1688-1711
1:5800 B/w IR 74E 7821R-7748R
1:5800 B/w IR 74E 7711R-7736R
- STRIP 7 1:10000 Color 74C(©)1718-1744
1:5800 B/w IR 74E 7849R-7878R
1:5800 " " " 7738R-7763R



Compilation Report
TP-00887

31. Delineation

The map was compiled on the Wild B-8 stereoplotter using the 1:10,000 scale color photography. Black-and-white infrared photography, taken concurrently, was ratioed and used graphically to supplement compilation of the mean low water line and areas of shallow depths.

32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

The identification, density, and placement of horizontal and vertical control was adequate.

33. Supplemental Data

A diagram, outlining 18 tidal zones within the project area, was furnished. The diagram provided the mean range of tide and the vertical differences between MLW datum and the NGVD of 1929 for each zone.

34. Contours and Drainage

The quality of photography was adequate for contour compilation. All contours and terrain elevations were referenced to MLW datum.

The mean range of tide on the ocean side of Bodie Island is greater than the mean range of tide within the interior waters. Because of this tidal difference, the 2-foot contour is delineated below the mean high water line on the ocean side and above the mean high water line within the interior waters.

All significant drainage was compiled.

35. Shoreline and Alongshore Details

There was no preliminary field inspection of the shoreline.

The mean high water line and the mean low water line were compiled on the B-8 stereoplotter using contour compilation methods. The black-and-white infrared photography was used graphically to supplement compilation of the mean low water line. Control data for this compilation was furnished by field methods and the photogrammetric plot.

Shoal areas were delineated from office interpretation of the photography and referred to the field editor.

36. Offshore Details and Photobathymetry

All discrete underwater depths (soundings), 2-foot interval underwater contours (depth curves), and all other pertinent offshore details were compiled on the B-8 stereoplotter. The photobathymetry is referenced to the mean low water datum established by NOS. Areas of questionable compilation accuracy were referred to the field editor and/or the hydrographic party for verification.

Suspended silt restricted the placement and density of discrete soundings in some areas.

37. Landmarks and Aids - None

38. Control for Future Surveys - None

39. Junctions

Refer to form 76-36B, item #5, submitted with this Descriptive Report.

40. Horizontal and Vertical Accuracy

This map complies with National Map Accuracy Standards.

41. thru 45. Inapplicable

46. Comparison with Existing Maps

A comparison has been made with USGS quadrangle of Oregon Inlet, NC, scale 1:24,000, edition of 1953, photorevised, 1970.

47. Comparison with Nautical Charts

A comparison has been made with the following Nautical Charts:


NOS No.12204(1229) scale 1:80,000, 20th edition, March 8, 1975

NOS No.12205(129-SC) scale 1:40,000, 9th edition, Feb. 22, 1975


Items to be Applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by,


G. Fromm

Approved and forwarded:


E.L. Rolle
Quality Control Section

49. NOTES FOR THE HYDROGRAPHER

The Atlantic Hydrographic Party was furnished with preliminary reconnaissance maps of the project area showing approximate shorelines, channels, shallow and shoal areas compiled graphically from the ratio photos.

As the model work progressed, copies of the worksheets were furnished to indicate areas where photobathymetry was being accomplished.

Ozolid copies of the inked manuscripts in an advanced stage of completion were furnished as a final designation of areas lacking photobathymetry,

FIELD EDIT REPORT

JOB CM-7501

OREGON INLET, NC

TP-00887

51. METHODS

Field edit of this manuscript was accomplished by skiff and by truck from along the highway. All corrections, deletions or additions have been noted on the field edit ozalid. One tidal bench mark was identified on photograph 74C(c) 1316.

52. ADEQUACY OF COMPILATION

There was no field inspection prior to compilation. Compilation is considered adequate and will be complete upon the application of field edit data.

The poles on the east side of the highway and bridge are actually U.S. Corps of Engineers dredging range markers. It is recommended that they be retained on the manuscript and be relabeled as such.

54. RECOMMENDATIONS

There are no recommendations.

Leo F. Beugnet
Leo F. Beugnet
Supervisory Cartographer

10 July 1975

PHOTOGRAMMETRIC OFFICE REVIEW
TP - 00887

1. PROJECTION AND GRIDS E.R.	2. TITLE E.R.	3. MANUSCRIPT NUMBERS E.R.	4. MANUSCRIPT SIZE E.R.
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CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY E.R.	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) N.A.	7. PHOTO HYDRO STATIONS N.A.
8. BENCH MARKS E.R.	9. PLOTTING OF SEXTANT FIXES N.A.	10. PHOTOGRAMMETRIC PLOT REPORT E.R.
11. DETAIL POINTS N.A.		

ALONGSHORE AREAS (Nautical Chart Data)

12. SHORELINE E.R.	13. LOW-WATER LINE E.R.	14. ROCKS, SHOALS, ETC. E.R.	15. BRIDGES E.R.
16. AIDS TO NAVIGATION E.R.	17. LANDMARKS E.R.	18. OTHER ALONGSHORE PHYSICAL FEATURES E.R.	19. OTHER ALONGSHORE CULTURAL FEATURES E.R.

PHYSICAL FEATURES

20. WATER FEATURES E.R.	21. NATURAL GROUND COVER E.R.	22. PLANETABLE CONTOURS N.A.
23. STEREOSCOPIC INSTRUMENT CONTOURS E.R.	24. CONTOURS IN GENERAL E.R.	25. SPOT ELEVATIONS E.R.
26. OTHER PHYSICAL FEATURES E.R.		

CULTURAL FEATURES

27. ROADS E.R.	28. BUILDINGS E.R.	29. RAILROADS N.A.	30. OTHER CULTURAL FEATURES E.R.
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BOUNDARIES

31. BOUNDARY LINES N.A.	32. PUBLIC LAND LINES N.A.
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MISCELLANEOUS

33. GEOGRAPHIC NAMES E.R.	34. JUNCTIONS E.R.	35. LEGIBILITY OF THE MANUSCRIPT E.R.
36. DISCREPANCY OVERLAY E.R.	37. DESCRIPTIVE REPORT E.R.	38. FIELD INSPECTION PHOTOGRAPHS N.A.
39. FORMS E.R.		

40. REVIEWER Edward L. Rolle	SUPERVISOR, REVIEW SECTION OR UNIT S.G. Blankenbaker
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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 Richard R. White	SUPERVISOR Joseph W. Vonasek
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43. REMARKS

Review Report
Photogrammetric Bathymetry
and Topographic Map TP-008 87
June 1976

61. General Statement

The map was reviewed in its Class I (field edit applied) stage by the Quality Control Section. The Descriptive Report contains all of the pertinent information which may be required by users of this map.

62. Comparison with Registered Topographic Surveys - None

63. Comparison with Maps of Other Agencies

Refer to the Compilation Report, item #46.

64. Comparison with Contemporary Hydrographic Surveys

Photobathymetry is a component part of the map. A copy of the map was furnished the hydrographic party to provide support for a standard hydrographic survey. The hydrographic survey was accomplished in all areas not covered by photobathymetry. Sounding lines were run to evaluate the photobathymetry and to resolve questions noted by the compilation office.

The Officer-in-Charge, Atlantic Hydrographic Party, had the final authority and responsibility for resolving discrepancies, if any, between hydrographic and photogrammetric data. All accepted photobathymetry was transferred to the smooth sheets and identified as such by the hydrographer.

A comment is carried on the map as follows: Depths on this map may not be final. Refer to contemporary hydrographic surveys of the area for combined photobathymetry and hydrography.

65. Comparison with Nautical Charts

Refer to Compilation Report, item 47.

66. Adequacy of Results and Future Surveys

This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau requirements.

Submitted by,

E. L. Rolle
E.L. Rolle

Approved and forwarded:

[Signature]
Chief, Photogrammetric Branch

[Signature]
Chief, Coastal Mapping Division

20 August 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7501 (Oregon Inlet, North Carolina)

TP-00887

Atlantic Ocean

Bodie Island

Herring Shoal Island

Motts Creek

Walter Slough

Approved by

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer-C51x2

TP-00887
National Archives Data

1 Discrepancy Print for the Field Editor

1 Form C&GS-152 Control Station Identification

Photography: 74C(C) 1316 (color ratio)

