

8187

Original

Diag'd. on Diag. Ch. No. 1110

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photographic Topographic

Field No. _____ Office No. T-8187

LOCALITY

State North Carolina

General locality Juniper Creek

Locality Green Swamp

1943

CHIEF OF PARTY

F.L. Gallen
Fred. L. Peacock

LIBRARY & ARCHIVES

DATE March 14, 1946

B-1870-1 (1)

8187

DATA RECORD

T- 8187

Quadrangle (II): Juniper Creek Project No. (II): CS 284
 7½' Quadrangle

Field Office: Myrtle Beach, S.C. Chief of Party: F. L. Gallen
 Lt. Comdr.

Compilation Office: Baltimore, Maryland Chief of Party:
 Comdr. Fred. L. Peacock

Instructions dated (II III): July 15, Oct. 19, Oct. 23, Oct. 27, Dec. 17, 1942
 Copy filed in Descriptive Report No. T- (VI)

Completed survey received in office: 6/1/43

Reported to Nautical Chart Section: 6/43

Reviewed: 9/20/43 Applied to chart No. Date:

Redrafting Completed: 11/13/43

Registered: 2/46 Published:

Compilation Scale: 1:20,000 Published Scale:

Scale Factor (III): None

Geographic Datum (III): N.A. 1927 Datum Plane (III): Mean Sea Level

Reference Station (III): Maw, 1942.

Lat.: 34° 12' 06.854" 211.2. Long.: 78° 28' 23.862" 610.9 (925.3) Adjusted
 (1637.5) Unadjusted

State Plane Coordinates (VI): *North Carolina single zone*

X = ~~2,733,314.21~~

Y = ~~517,866.78~~

Military Grid Zone (VI)

zone B

PHOTOGRAPHS (III)

	<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
Incl.	8139 to 8141	4-1-42	1:08 P.M.	1:20,000	There are no navigable waters within the limits of this 7½ min. quadrangle.
"	8146 to 8148	4-1-42	1:30 P.M.	1:20,000	
"	8438 to 8440	4-6-42	Not known	1:20,000	

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source) U. S. Coast and Geodetic Survey nine lens camera (focal length 8¼ inches)

Contouring and Field Inspection by: J. N. Henningsen

date: Feb., March, 1943

Field Edit by: Louis Levin

date: July, 1943

Date of Mean High-Water Line Location (III):

Projection and Grids ruled by (III) John C. O'Neill date: Apr. 6, 1943

" " " checked by: John C. O'Neill date: Apr. 6, 1943

Control plotted by: Henry P. Eichert date: 4-10-43

Control checked by: Joseph Steinberg date: 4-12-43

Radial Plot by: Joseph Steinberg & J. Edward Deal, Jr. date: April 1943

Detailed by: John P. Kubasco date: 4-23-43 to 5-24-43

Reviewed in compilation office by: William H. VanLoon date: 5-24-43 to 5-28-43

Elevations on Field Edit Sheet checked by: Louis Levin

date: 7/13/43

STATISTICS (III)

Land Area (Sq. Statute Miles): 61

Shoreline (More than 200 meters to opposite shore): None

Shoreline (Less than 200 meters to opposite shore): None

Number of Recoverable Topographic Stations established:
One Azimuth Reference Monument for which Form 524 is being submitted.

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: 38

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

FIELD INSPECTION REPORT
QUADRANGLE T-8187
PROJECT CS-284
F. L. Gallen, Chief of Party.

1. DESCRIPTION OF AREA:

The area covered by this Quadrangle lies in Brunswick and Columbus Counties, North Carolina. It consists of swamp, low ground, higher rolling timberland, and poorly developed farmland in the northeast and southwest corners of its boundaries. Elevations over the entire quadrangle range from 35 to over 66 feet, with no pronounced hills or valleys in any place. All changes in elevation are gradual. The northeast section of farmland is a low grade of soil, sometimes known as "bitter land", and is cultivated by a community of Adventist people known as the "WACCAMAW INSTITUTE", who raise mostly vegetables and corn; while the farmland in the southwest corner is a sandy soil, easily eroded by the wind and rain, which is used for raising tobacco and corn. There are three large perennial swamps on this quadrangle, which are found to follow the drainage basin of Juniper Creek, Honey Island Swamp and Little Swamp. The rest of the area shown as low ground is commonly known in this locality as bays and savannas. A bay, according to local information, is an area densely covered with brush or briars and wet a large part of the year, especially in rainy seasons, with no definite drainage basin. It cannot be classed as timberland due to the fact that it is covered with scrub pine, locally known as "pond pine", with a few deciduous trees in the lowest parts. A savanna is a treeless level plain according to the dictionary, but in this section a savanna is very similar to a bay. According to local information, a savanna is a level, brush covered area that seldom has a large amount of water standing on it, has a low grade of soil, and is covered with very few trees. When trees are encountered, they are found to be scrub pine and deciduous varieties not found in swamps. The vegetation is found to be heavy vines and briars. The growth in the swamp area is mostly cypress and gum trees with a heavy undergrowth of briars and vines; while on the higher land is found mostly pine with a little deciduous undergrowth. The elevations increase from the swamp and farmland in the southwest corner, which runs around 35 feet, to elevations of over 66 feet in the northeast portions of the quadrangle.

2. COMPLETENESS OF FIELD INSPECTION:

The field inspection is thought to be complete. Buildings, churches, cemeteries, roads and trees have all been classified. Only the buildings circled are to be shown on the map drawing. Those that are only circled and not designated are to be classed as houses or dwellings. Trails are shown with a dashed line, thus ----- . Swamp areas are enclosed by a dashed blue line and named swamp. Low ground areas are designated "L.G." and also enclosed by a dashed blue line. The drainage to be shown on the completed sheet is shown on the field sheet. There are no main highways on this quadrangle. It is thought that all necessary information is shown on the field sheet that should be shown on the map drawing. Classification of bridges and culverts which have been designated on the photos or any other small items, erroneously omitted, will be noted by the field edit party. However, all bridges on this quadrangle are small wooden bridges and not thought to exceed a limit of five tons.

3. INTERPRETATION OF THE PHOTOGRAPHS:

The photographs for this quadrangle are typical to corresponding areas of this type. The deciduous trees show up rather grayish in color and generally are found in the lower areas or swamp land, while the pine or evergreen trees show up dark and are found on the higher ground. The real light wooded portions are cut over land and are generally covered by a very few pine trees or low brush. It should be noticed that in different parts of the photos definite culture lines show up, especially in the swamp or wooded areas. They resemble trails. These lines are old logging railroads which have been abandoned for a large number of years. The lines are put in from time to time during logging operations and as the timber is cut from the swamp they are dismantled and only the right-of-way is left. Today these rights-of-way are grown up with a heavy underbrush and are hard to find on the ground but evidently are visible from the air. They should be ignored when compiling the sheet. A number of firebreaks show up as a grayish line. Whenever these are encountered they should be immediately accepted as such even though no notation is made of them on the photo. These lines are found in the cut-over areas mentioned above. In any case, it is thought that nothing should be shown on the compilation which is not noted on the photo or does not have a similar notation on some other part of the photo or other photos for this Quadrangle.

4. HORIZONTAL CONTROL:

See Report for T-8188.

5. VERTICAL CONTROL:

See Report for T-8188.

6. CONTOURS AND DRAINAGE:

See Report for T-8188.

7-13. See Report for T-8188.

4. ROAD CLASSIFICATION:

See Report for T-8188.

1. BRIDGES AND CULVERTS:

See Report for T-8188.

16. BUILDINGS AND STRUCTURES:

See Report for T-8188.

17. BOUNDARY MONUMENTS AND LINES:

This Quadrangle lies partly in Columbus and partly in Brunswick Counties, North Carolina. The boundary formed by Juniper Creek, Honey

Island Swamp and Little Branch is shown on the photos. After extended investigation with the county officials of Columbus County, North Carolina, it has been found that there are no boundary markers of any kind set after the line crosses the road just north of Reigle Fire Tower. A map* is therefore, submitted as evidence of the supposed location of the county line and can be used with discretion by the compilation office when plotting its position on the final map drawing. There is no survey on record of the original county line, and this "paper" location is the only known way, according to the county officials, of knowing where it is. In reality, it is a line agreed on by both counties, on paper, and not surveyed. Reigle Fire Tower should be plotted as a landmark. The fire tower "Reigle" is maintained by both the State and Reigle Paper Company and does not constitute a fire observation tower over a state forest. Political boundaries will be added during the time of field edit.

* Map and other information attached to Des. Rep. for T-8186

18. GEOGRAPHIC NAMES:

See Report for T-8188.

19. JUNCTIONS:

Junctions with T-8188 on the west, T-8186 on the east and T-8193 on the south have been made and are in agreement. There have been no surveys to the north of this Quadrangle.

20. PHOTOGRAPHS USED:

Photographs used in surveying this area were: 8157, 8158, 8146, 8147 and 8140.

Approved and forwarded:

F. L. Gallen
F. L. Gallen,
Chief of Party.

Submitted by,

Joe N. Henningsen
Joe N. Henningsen,
En. Photogrammetric Aid.

Compilation Report.

26 CONTROL:

Three U. S. Coast and Geodetic Survey Triangulation Stations lie within the limits of this map manuscript, they are:

MAW, 1942
ROBERTS, 1942
TRAM, 1942

In order to assure good identification of the horizontal control on the office photographs, the field inspection party established F. I. Stations at two of the above triangulation stations namely:

MAW, 1942
TRAM, 1942

These F. I. Stations are shown with a circle in orange ink. Six U. S. Coast and Geodetic Survey Stations fall just outside, but within two minutes of the limits of this map manuscript, they are:

WACCA, 1942
RIEGEL, 1942
RIEGEL FIRE TOWER, 1942
MAKATOKA, 1942
CRUSOE, 1942
JUNIPER, 1942

An F. I. Station was established at WACCA, 1942 for the same purpose as stated above.

27 RADIAL PLOT:

The radial plot for this map manuscript will be described in Section 3 of the Descriptive Report for the radial plots of Projects CS 275 and CS 284, which will be submitted in the near future. Filed in Division of Photogrammetry. ~~Filed in Photogrammetry~~

28 DETAILING:

All detailing was accomplished from the nine lens office photographs using the center chambers as much as possible. The field inspection was generally satisfactory for the entire area. In some instances the limits of high and low ground were not indicated by field inspection. Those areas were determined in the compilation office by stereoscopic examination. Differences between the field inspection and office interpretation have been indicated on the discrepancy overlay. All drainage was examined under the office stereoscope, but in most cases the smaller streams could not be seen because of dense vegetation. The field party's interpretation for the location of these streams was accepted by this compilation office. There has been shown on the map manuscript, by the dot - dash symbol,

drainage of minor importance, which was not shown on the field inspection photographs, but delineated by stereoscopic examination of the office photographs.

This cultural feature as indicated on the field inspection data to be a fire break, and shown on the map manuscript by a light line and labeled F.B., does not have the characteristics of a fire break as known to this compilation office. Clarification of this cultural feature should be made during field edit.

29 SUPPLEMENTAL DATA:

No previous surveys covering the area of this map manuscript are available to this compilation office, except the Columbus County, North Carolina, State Highway and Public Works Commission map, which was furnished by the field party to show geographic names in this area.

Paragraphs 30 to 35 inclusive do not apply to this map manuscript.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

The field inspection party recommends the triangulation station RIEGEL FIRE TOWER, 1942 be shown as a landmark. It is assumed by this compilation office that they refer to an aeronautical aid.

37 GEOGRAPHIC NAMES:

The field inspection party furnished maps by the State Highway and Public Works Commission of Columbus and Brunswick County on these maps are shown undisputed, disputed and recommended geographic names for portions of Projects CS 275 and CS 284. This geographic name inspection did not indicate any disputed or recommended names for this map manuscript. A list of geographic names shown on the map manuscript is submitted with this descriptive report.

S R 35
L.H.

38 DISCREPANCY OVERLAY:

A discrepancy overlay has been prepared to accompany this map manuscript. On it are noted discrepancies concerning interpretations of details and such notes as are deemed likely to be of assistance during the field edit. Also shown, are the names or numbers of all bench marks, for the use of the Baltimore Compilation Office for identification purposes, when scaling the bench marks, to establish their geographic positions. In addition a set of notes has been included to aid in the interpretation of symbols and abbreviations shown on the map manuscript.

39 HORIZONTAL ACCURACY:

Horizontal accuracy of the location of well-defined and

39 HORIZONTAL ACCURACY: (Cont'd.)

less well-defined points of detail is believed to be within the limits set forth in the instructions for Project CS 284, Paragraph 59, dated July 15, 1942.

40 RECOMMENDATION FOR FUTURE SURVEYS:

The Planimetric detail as presented on this map manuscript is believed to be complete, but is subject to field edit for corrections, additions, and deletions.

41 JUNCTIONS:

Complete, satisfactory junctions were made with the following quadrangles:

T-8188 - to the west
T-8186 - to the east
T-8193 - to the south

There is no contemporary survey bordering Survey No. T-8187 to the north.

42 REMARKS:

An adequate description of the area covered by this map manuscript has been submitted by the field inspection party.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

There are no topographic quadrangles available to this office for comparison; however, comparison was made with Columbus County, third division, North Carolina State Highway and Public Works Commission map. Scale 1" to the mile. Lack of complete detail on this map made accurate comparison difficult. However, an apparent relocation of Lake Lodge Road between Cox Ridge and Clewis Ridge has taken place, and Old Tram Road has been continued southward beyond its old limits, this extension is now called Makatoka Road.

45 COMPARISON WITH NAUTICAL CHARTS:

There are no nautical charts covering the area of this map manuscript.

Respectfully submitted,
May 28, 1943

John P. Kubasco
John P. Kubasco
Photogrammetric Aid

Map Manuscript, Discrepancy
Overlay and Descriptive Report
Reviewed By:

William H. VanLoon
William H. VanLoon
Prin. Photogrammetric Aid

Compilation of Map Manuscript
Supervised by:

Joseph Steinberg
Joseph Steinberg
Assistant Photogrammetric Eng.

and

J. Edward Deal, Jr.
J. Edward Deal, Jr.
Assistant Photogrammetric Eng.

Approved and Forwarded:
May 29, 1943

Fred. L. Peacock
Fred. L. Peacock
Commander, C & G Survey
Officer in Charge
Baltimore Field Office

GEOGRAPHIC NAME LIST
Undisputed

- ✓ Bee Tree Ridge
- ✓ Bell Swamp
- ✓ Bennett Little Field
- ✓ Big Curve
- ✓ Bolton Road
- ✓ Camp Branch
- ✓ Clewis Corner
- ✓ Clewis Ridge
- ✓ Clear Branch
- ✓ Cox Ridge
- ✓ First Cross Swamp
- ✓ Grays Ridge
- ✓ Green Swamp
- ✓ Honey Bay
- ✓ Honey Island Swamp
- ✓ Hoy Savannah
- ✓ Horse *Pen Bay*
- ✓ Juniper Bay
- ✓ Juniper Creek
- ✓ Lake Lodge Road
- ✓ Lateral "C" Canal
- ✓ Lateral "D" Canal
- ✓ Little Swamp
- ✓ Leonard Branch
- ✓ Leonard Landing (Abd.)
- ✓ Long Ridge
- ✓ Makatoka Bridges
- ✓ Makatoka Road
- ✓ Mill Pond Bay
- ✓ Mill Pond Field
- ✓ Myrtle Head
- ✓ Old Tram Road
- ✓ Salters Landing (Abd.)
- ✓ Schoolhouse Ridge
- ✓ Second Cross Swamp
- ✓ Short Branch
- ✓ The Opening
- ✓ Ward Field
- ✓ Waccamaw Institute

FIELD EDIT REPORT
T-8187
PROJECT CS-284

46. The field edit was accomplished by visual inspection making all additions and corrections on the map manuscript in the field and transferring all detail to a smooth copy while inking.

The following color scheme was adhered to:

FEATURES	COLORS
Additions, bench marks, wye level elevations and crosses	BLACK
Deletions	GREEN
Drainage features	BLUE
Contours	BROWN
Civil boundaries	VIOLET

47. The position and amount of detail on this map manuscript is believed to be complete and adequate.

48. A horizontal accuracy test was run in this quad.

Vertical accuracy tests are the subject of a special report for project CS-284.

Submitted by

Louis Levin
Louis Levin
Photogrammetric Aid

Approved and Forwarded

F. L. Gallen

F. L. Gallen
Chief of Party

Remarks

Decisions

	Remarks	Decisions
1		
2		
3		
4		
5		
6		
7		341786
8		341783
9		"
10		341784
11		"
12		342783
13	Not shown on - Brunswick Co. names sheet	341783
14	Not shown on black plate. Also	341784
15		"
16		"
17	→ shown at Lat 12'30" Long - 34° 07'30" on this compilation	"
18	According to names sheet, Clear Branch is not on this quad., but is a tributary of Honey Island	341783
19	Swamp (line 22), which is a stream and not an area name.	341784
20		341783
21		341784
22		"
23		"
24		"
25		"
26		341785
27		341784

GEOGRAPHIC NAMES

Survey No. T-8187

JUNIPER CREEK quadrangle

1	Name on Survey												
		A	B	C	D	E	F	G	H	K			
✓	Brunswick County												1
✓	Columbus County												2
✓	Waccamaw Twp												3
✓	Bolton Twp												4
✓	Bogue Twp		"	"									5
													6
✓	Juniper Creek	✓											7
✓	Makatoka Bridges	✓											8
✓	Makatoka Road	✓											9
✓	First Cross Swamp	✓											10
✓	Second Cross Swamp	✓											11
✓	Bolton Road	✓											12
✓	Honey Island	(X)											13
✓	Leonard Ldg. (Abd.)		✓										14
✓	Leonard Branch	✓											15
✓	Salters Ldg. (Abd.)												16
✓	Juniper Bay	✓											17
✓	Clear Branch	✓											18
✓	Clewis Ridge	✓											19
✓	Clewis Corner	✓											20
✓	Schoolhouse Ridge	✓											21
✓	Honey Island Swamp	✓											22
✓	Bennett Little Field	✓											23
✓	Old Tram Road	✓											24
✓	Cox Ridge	✓											25
✓	Little Swamp	✓											26
✓	Long Ridge	✓											27

T-8187

No. 2
Decisions

Remarks

	Remarks	Decisions
1		341784
2		"
3		"
4		"
5		"
6		"
7	falls on 8193	"
8	falls on 8193	"
9		"
10		342784
11		341784
12		342784
13		"
14		"
15		"
16		"
17		342783
18		"
19		"
20		"
21		"
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-8187

2	Name on Survey	Source										
		A	B	C	D	E	F	G	H	K		
✓	<u>Camp Branch</u>	✓										1
✓	<u>Bell Swamp</u>	✓										2
✓	<u>Myrtle Head</u>	✓										3
✓	<u>Millpond Field</u>	✓										4
✓	<u>Millpond Bay</u>	✓										5
✓	<u>Short Branch</u>	✓										6
✓	<u>Horse Pen Swamp Bay</u>	(X)										7
✓	<u>Alligator Bay</u>	(X)										8
✓	<u>Alligator Swamp</u>											9
✓	<u>Horse Pen Bay</u>	(X)										9
✓	<u>Green Swamp</u>	✓										10
✓	<u>Lake Lodge Road</u>	✓										11
✓	<u>Grays Ridge</u>	✓										12
✓	<u>Ward Field</u>	✓										13
✓	<u>The Opening</u>	✓										14
✓	<u>Big Curve</u>	✓										15
✓	<u>Lateral "C" Canal</u>	✓										16
✓	<u>Honey Bay</u>	✓										17
✓	<u>Hoy Savanna</u>	✓										18
✓	<u>Waccamaw Institute</u>	✓										19
✓	<u>Bee Tree Ridge</u>	✓										20
✓	<u>Lateral "D" Canal</u>											21
	<u>Alligator Swamp</u>											22
	Names followed by (X) can be applied only after Brunswick County Names Sheet is returned from Baltimore.											23
												24
												25
												26
												27

Names underlined in red approved
by L. Heck on 10/4/43

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault

Cloth-mounted copy of the published quadrangle.
published quadrangle at 1:20,000 scale
Black and white cloth-mounted copy of the/~~map~~
~~manuscript~~. This copy is filed to preserve
original survey detail shown on the manuscript
at 1:20,000 scale which may not have been shown
on the published sheet. For ~~political-boundaries~~,
woodland, ~~marsh-and-swamp-limits~~, refer to the
published quadrangle for the finally adopted
positions.

Descriptive Report.

Division
Filed in the Photogrammetric Section--Surveys Branch

Field inspection photographs.

Contoured photographs (on which planetable contouring work was performed.)

Field edit sheet.

Descriptions of recoverable topographic stations (Form 524), filed in Reviewing-Unit Section

Supplementary traverse and level records.

Field notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Original celluloid manuscript.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch

Glass negatives of the color separation drawings.

Filed in the Library

~~Special report on field work by Commander K. T. Adams, 1944.~~

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract

Film negatives and film positives of the color separation drawings.

All color separation drawings.

~~Original celluloid manuscript.~~

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.

General Procedure in the Production of Topographic Quadrangles for the War Department

This quadrangle, together with similar adjoining maps produced under Project C.S. 284, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs.

Contouring by planetable directly on the photographs. Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, drive-ways, and numerous other points identifiable on the photographs.

COMPILATION OF MANUSCRIPT

Compilation on the map manuscripts by radial plot methods (celluloid hand templates) of all planimetry and contours. These manuscripts were drawn on the scale of 1:20,000 on celluloid sheets on which polyconic projections had been ruled with the Projection Ruling Machine in the Washington Office. Compilation was accomplished in the Baltimore ~~Tampa~~ Photogrammetric Office.

FIELD EDIT

Comparison of a copy of the manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-8187

JUNIPER CREEK QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

A horizontal accuracy test was run in this quadrangle and is the subject of a special report filed in the Division of Photogrammetry.

The nearest vertical accuracy test was run in quadrangle T-8188.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

There are no previous surveys in this area.

Comparison with Nautical Charts Nos.

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

There are no nautical charts covering the area of this map manuscript.

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

Only changes of a minor nature were necessary during the review of this map manuscript.

Reviewed August 1943 By Robert B. Collier
under direction of D. H. Benson *per D.M.*

Inspected by B. G. Jones *2/11/46*

Examined and approved:

K.T. Adams
Chief, ~~Surveys Branch~~
Division of Photogrammetry

~~Chief, Topography Section~~

Robert W. Wood
Chief, Div. of Charts
Nautical Chart Br.

Raymond P. Egan
Chief, Div. of Coastal
Surveys