# 5574

1234

Form 504 Rev. Dec. 1933 DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR

# DESCRIPTIVE REPORT

Airphoto
Topographic
Sheet No. 5574

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xHydragraphica

State North Carolina

LOCALITY

NEWPORT TO RIVER

BEAUFORT and Wicinity

1936

CHIEF OF PAR

B. Grenell

U, S. GOVERNMENT PRINTING OFFICE: 1934

Applied to Cht. 1233, Mar 23, 1939 XP.

420, Nov. 13, 1939 XP.

Applied to chart dwg (hiff) August 14, 1941.

j J

#### NOTES ON COMPILATION

One copy of this form must accompany each chart from beginning to completion. The last draftsman, whose name appears on this form, is responsible for it and all personnel will endeavor to keep these forms up to date and correctly posted. This form is very important inasmuch as the final Descriptive Report of the Chart compiled is based upon the information contained herein.

|   |     |         | Photos         |                  |                  |                |                   |
|---|-----|---------|----------------|------------------|------------------|----------------|-------------------|
|   | Acc | . 261   | 15 +32         | SHEET NO.        | -55/4            |                |                   |
|   |     | 262     | 37-48          |                  |                  |                |                   |
|   | "   | 263     | 49-59          | PHOTO NO.        | TO PHOTO NO      |                |                   |
|   | "   | 265     | 72 - 86        | N BY             | START            | FINISH         |                   |
|   |     | ROUG    | H RADIAL PLOT  | Skymil           |                  |                |                   |
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|   |     | SCAL    | E FACTOR CHEC  | KED J. A. Giles  |                  |                |                   |
|   |     | PROJ    | JECTION Y      | ashington D.C.   |                  |                |                   |
|   |     | PROJ    | JECTION CHECKE | D Solienel       |                  |                |                   |
|   |     | CONT    | ROL PLOTTED    | Selbert          |                  |                |                   |
|   |     |         |                | d.A. Giles       |                  |                |                   |
|   |     | COM     | TROL CHECKED   | 0.4. CITES       | <u> </u>         |                |                   |
|   |     |         | OGRAPHY TRANSF |                  | e <del>- (</del> | _              |                   |
|   |     |         |                | 1. 1100          |                  |                |                   |
|   |     | SMOO    | OTH RADIAL LIN | E PLOT SWILL     |                  |                |                   |
|   |     | RAD     | IAL LINE PLOT  | CHECKED          |                  |                |                   |
|   |     | ryram i | AIL INKED      | Mohall           |                  |                |                   |
|   |     | DELL    | TIP THERP      | 20 cannot        |                  |                |                   |
|   |     | ARE     | A DETAIL INKE  | 84.7             | _sq. Statute     | e Miles        |                   |
|   |     |         |                | NE OVER 200 m.   | 74.7             | Statute Miles  |                   |
|   |     |         |                |                  | 001              |                |                   |
| _ |     | LEN     | GTH OF SHOREL  | INE UNDER 200 m. | 89.6             | Statute Miles  |                   |
|   | ) . |         |                | 3.11/1           | 'n               |                |                   |
|   |     | GEN:    | ERAL LOCATION  | Deoutort, N.     | <u></u>          | 1              |                   |
|   |     | LOC.    | ATION Ada      | ns Creek (anal ) | to Beaut         | A Entrance     | 77237.8)          |
|   |     | DAT     | UM STATION     | ADAM-1931        |                  | 34-49-40.168 ( | (2000) (adjusted) |
|   |     | 1       | Dotum: N.      | A1927            | Longitude        | 16-41-27.312   | 695.6)            |
|   |     | V       | 0/74/11. /1.   | 11. 1.12         |                  |                | 6,00              |

#### GENERAL INFORMATION:

The photographs covering this compilation were flown Jan. 24, 1933.

1032. In January, 1933, the field prints were forwarded to the writer who was attached to the GILBERT basing at Morehead City, N. C. The area of this compilation was covered by field control sheet T-6000 on which points visible in the photographs were located for photo control. General field inspection of the photographs was also made at that time.

In February, 1936, the photographs were forwarded to the field for compilation and additional field inspection was made.

All of the fast landareas in this section are relatively low. Mosst of the heavily wooded sections are classed locally as "swamp" but are actually flooded for only a short portion of the year during the wet season. The areas more frequently flooded are wooded with a mixed growth of gum and cypress and the dryer ridges support pine, oak, maple, gum, with pine predominating in the dry, sandy sections. Most of the good timber has been logged of f leaving a dense second growth of mixed deciduous and scrub pine.

The cleared and cultivated areas are scattered along the higher ridges where drainage is possible. There is probably no area on the whole compilation more than ten feet above mean high water.

The shoreline in general is not sharply because the low areas are subject to flood at extreme high water and almost all shoreline is fringed with a marshy growth which makes it difficult to delineate a definite H. W. L.

All photographs on the compilation are very poor. Moas of them are badly tilted and were evidently flown on a hazy day because all detail has a grey, hazy appearance. This makes it exceptionally difficult to identify small objects such as houses even with the aid of the magnifying stereoscope. Fortunately the compiler was intimately acquainted with the country and was able to interpret the detail.

#### RADIAL LINE PLOT:

The intensive triangulation with the planetable control made it possible to rigidly hold the plot and secure excellent intersections between overlapping flights. The control was weakest along the north border of the compilation but a perfect junction was made with 1:10,000 compilation T - 5566. The radial plot also checked satisfactorily with aluminum control sheet T - 6000.

#### COMPARISON WITH CHART No. 420

The general comparison with the charted detail is very good considering the changeable nature of the country and the time elapsed since the last topographic surveys. There has been considerable shifting of the outer beaches and along the dredged channels where the spoil banks have been built up. The most prominent of these changes is the wooded island near the mouth of Core Creek which is charted as a sand shoal but which now supports a permanent growth of brush and small trees.

A bridge has been constructed from the Morehead City - Beaufort highway to the Marine Biological Station on the island. The bridge was built after the photographs were taken and it was necessary to tie in the structure on the field prints. The bridge is now correctly shown on the compilation.

#### CONSTRUCTION CHANGES:

A new port terminal is being constructed at Morehead City which includes extensive dredging for an anchorage basin and deepening of the entrance channel. New spoil banks are being thrown up and these, togather with the deepening of the channel, will probably cause considerable topographic change. Local report is that the operations so far have caused a considerable increase in the tide range at Morehead City and vicinity. This will have an added effect on delineation of the H. W. L. of low areas.

#### ACCURACY AND COMPLETENESS:

The compilation is complete in every detail as far as can be determined from a close inspection of the photographs which are all of poor quality.

It is believed that no point of definite detail is in error from the true position by more than 2 m.m. Due to the excellent distribution of control over most of the compilation the general maximum error probably does not exceed 1 m.m.

#### LANDMARKS FOR CHARTS:

Form 567 is submitted in duplicate with this report.

#### NAMES ON ONERLAY SHEET:

All names were taken from the current issue of Chart 420. A list of these names is attached to this report.

#### BRIDGE DATA:

|                         |  | Clear Width | Vertical    | Clear. |
|-------------------------|--|-------------|-------------|--------|
| Location                | $T_{\mathbf{ype}}$                         | L C R       | M.L.W.      | H.W.   |
|                         | Hwy. Sw.                                   | 80 18.9     | 18.9        | 15.0   |
| Newport R Morehead City | $R_{\bullet}R_{\bullet}$ $S_{W_{\bullet}}$ | 50          | $5 \cdot 4$ | 2.7    |
| 11                      | Hwy. B.                                    | 79          | 10.0        | 7.3    |
| Gallant Chan Beaufort   | R.R. B.                                    | 60          | 11.0        | 8.0    |
| 11 · · · - 11           | Hwy. B.                                    | 60          | . 10.0      | 7.3    |

Respectfully submitted.

S. B. Grenell, Chief of Party.

S. B. Grenell

#### DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY

# LANDMARKS FOR CHARTS Airphoto Compilation T-5574

| Norfolk, Va., |         |
|---------------|---------|
| October 15    | , 193 6 |

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

| DESCRIPTION             | LATITUDE |       |             |            | LONG         | TUDE        | DATUM | METHOD<br>OF DETER-<br>MINATION | CHARTS<br>AFFECTED |  |
|-------------------------|----------|-------|-------------|------------|--------------|-------------|-------|---------------------------------|--------------------|--|
| ·                       |          | ı     | D.M. METERS | ۰          | ,            | D.P. METERS | N. A. |                                 |                    |  |
| ank J                   | 34       | 43_   | 317.8       | <u>7</u> 6 | 40           | 518.4       | 1927  | Triang.                         | 420 47/            |  |
|                         | 34       | 43    | 476.1       | 76         | 40           | 309.6       | 11    | ti                              | 11 421             |  |
| ridge Tower (west)      | 34       | 43    | 492.9       | 76         | <u>40</u>    | 334.7       | 'n    | 11                              | " 421              |  |
| allest of 3 stacks (N)  | 34       | 43    | 1521.9      | 76         | 40           | 185.1       | H     | 11                              | 11 421 12          |  |
| allest of 3 stacks (S)  | 34       | 43    | 1333.5      | 76         | 40_          | 96.8        | 11    | tt                              | 11 421 1           |  |
| Allest 3 stks. (island) | 34       | 43    | 1691.8      | 76         | 41           | 355.7       | 11    | ti .                            | 11 4-1-1 /         |  |
| ridge Tower (east)      | 34       | 43    | 399.5       | 76         | 41           | 944.0       | tt .  | 11                              | " 421              |  |
| ridge Tower (west)      | 34       | 43    | 395.9       | 76         | 41_          | 979.9       | 11 _  | 11                              | 11 253 /           |  |
| ank (very tall-Beaufort | 34       | 43    | 247.8       | 76         | 39           | 127070      | - tt  | 11                              | " 421 13           |  |
| upola Coast Guard       | 34       | 41    | 1362.8      | 76         | 40           | 1307.8      | n n   | lt                              | " 121 -            |  |
| ·                       |          |       |             |            |              |             | ·     |                                 |                    |  |
| tack on Fish Factory, L | enox     | ville | Pt.         | ;          | Scale        | position    | from  | T-6000                          | 421                |  |
|                         |          |       |             | _          | <del>,</del> |             |       |                                 |                    |  |
|                         |          |       |             |            |              |             |       |                                 |                    |  |

A list of objects carefully selected because of their value as landmarks as determined from seaward, together with individual descriptions, must be furnished in a special report on this form, and a copy of such report must be attached by the

vidual descriptions, must be furnished in a special report on this form, and a copy of such report must be acceptable of the chart. Chief of Party to his descriptive report.

The selection, determination, and description of these points are an important factor in the value of the chart. Landmarks selected at appropriate intervals can be clearly charted. However, when none is outstanding, a group of two or three objects may by their interrelationship provide positive indentification. A group so selected should be indicated.

The description of each object should be short, but such as will clearly identify it; for example, a standpipe, elevated tank, gas tank, church spire, tall stack, red chimney, radio mast, etc. Assign numerals to landmarks to indicate: (1) Offshore, (2) inshore, (3) harbor, 1, 2, 3 would be a mark useful on all charts. Generally, flagstaffs and like objects are not sufficiently normal per to chart. U.S. GOVERNMENT PRINTING OFFICE: 1984 25379 permanent to chart.

S. B. Grenoll

#### DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY

# LANDMARKS FOR CHARTS

Airphoto Compilation T-5574

Norfolk, Vac.

| October | <u>15</u> , 193 | 8 |
|---------|-----------------|---|

DIRECTOR, U.S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted:

| DESCRIPTION     |           |     | LATIT | rudė        |            | LONG  | ITUDE       | DATUM    | METHOD<br>OF DETER-<br>MINATION | CHARTS<br>AFFECTED |  |
|-----------------|-----------|-----|-------|-------------|------------|-------|-------------|----------|---------------------------------|--------------------|--|
|                 |           | 0   | _     | D.M. METERS | •          | 1     | D.P. METERS | N. A.    |                                 |                    |  |
| ank             |           | 34  | 43    | 317.8       | 7 <u>6</u> | 40    | 518-4       | 1927     | Trieng.                         | _420               |  |
| ridge Tower     | (east)    | 34  | 43    | 476-1       | 76         | 40    | 309-6       |          | n                               | 8                  |  |
| ridgo Tower     | (west)    | 34  | 43    | 492.9       | <u>76</u>  | 40    | 334.7       | ŧ1       | 73                              | #                  |  |
| allest of 3 sta | icks (E)  | 34  | 43_   | 1521.9      | 76         | 40    | 185.1       | 17       | tr                              |                    |  |
| allest of 3 st  |           | 34  | 43    | 1333.5      | 76         | 40    | 96•8        | n        | 82                              | <del>5</del>       |  |
| allest 3 stks.  | (island)  | 34  | 43    | 1691-8      | 76         | 41    | 355.7       | <b>#</b> | e                               | <b>n</b>           |  |
| Bridge Town     | (east)    | 34  | 43    | 399•5       | 76         | 41    | 944.0       | π        | ti ti                           | u                  |  |
| Bridge Tonor    | (west)    | 34  | 43    | 395.9       | 76         | 41    | 979.9       | <b>a</b> | 9                               | ti .               |  |
| ank (very tall  | -Beaufort | 34  | 43    | 247.8       | 76         | 39    | 1270.0      | a        | 17                              | <b>1</b>           |  |
| bapola Coast    | Guard     | 34  | 41    | 1362.8      | 76         | 40    | 1307.8      | п        | · ti                            | 9                  |  |
|                 |           |     |       | ,           |            |       | _           |          |                                 |                    |  |
| Steek on Pich P | actory, L | nox | vill  | Pt.         | \$         | Goalo | positicz    | Crom     | <b>T-</b> 6000                  |                    |  |
|                 |           |     |       |             |            |       |             |          |                                 |                    |  |
|                 |           |     |       |             |            |       |             |          |                                 |                    |  |

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1.5. GOVERNMENT PRINTING OFFICE: 1934 25379

# PLACE NAMES Compilation T-5574

The following names all appear on Chart # 420 and were checked and found in local usage in 1933.

CLUBFOOT CANAL HARLOWE CREEK NEWPORT RIVER OYSTER CREEK CORE CREEK BELL CREEK WARE CREEK RUSSELL CREEK NEWPORT MARSHES GALLANT POINT TOWN MARSH TOWN CREEK BEAUFORT CARROT ISLAND NORTH RIVER NORTH RIVER THOROUGHFARE BOGUE BANKS SHACKLEFORD BANKS SHACKLEFORD POINT CHENEY BAY TURNER CREEK MIDDLE MARSHES LENOXVILLE POINT

TAYLOR CREEK

#### PLACE NAMES Compilation T-5574

The following names all appear on Chart # 420 and wore checked and found in local usage in 1933.

CLUBFOOT CANAL HARLOUE CREEK NEWPORT RIVER OYSTER CREEK CORE CREEK BELL CREEK WARE CREEK RUSSELL CREEK NEUPORT MARSHES GALLAHT POINT TOTAL HARSH TOWN CHEEK BEAUFORT CARROT ISLAND NORTH RIVER NORTH RIVER THOROUGHPARE BOGUE BANKS SHACKLEFORD BANKS SHACKLEFORD POINT CHETEY BAY TURNER CREEK MIDDLE MARSHES LENOXVILLE POINT TAYLOR CREEK

Decisions

| 1     |   |               |
|-------|---|---------------|
| 2     | Er. wame from. No. Harlowe on P.O.M.      |               |
| 3     |   |               |
| 4     |   |               |
| 5     |   |               |
| 6     | Bell Creek on wrong Creek on Field Survey | 1             |
| 7     |   |               |
| 8     | ·   |               |
| 9     |   |               |
| 10    |   |               |
| 11    |   |               |
| 12    | not shown in sheet                        |               |
| 13    |   |               |
| 14    |   |               |
| 15_   |   |               |
| 16    |   |               |
| 17    |   | -             |
| _18_  |   | usGB decision |
| 19    |   |               |
| 20    |   |               |
| 21    |   |               |
| 22    |   |               |
| 23    |   |               |
| 24    |   |               |
| 25    |   |               |
| 26    | closed by R.R. Fill                       |               |
| 27    |   | · .           |
| M 234 |   | . <u> </u>    |

| GEOGRAPHIC NAMES<br>Survey No. T-5574 |          | Chair Ma          | Seirous Sur | D To May 1 | de la | or local Mode | O. Caide of | Mad McHally | Prios | 3         |
|---------------------------------------|----------|-------------------|-------------|------------|---|---------------|-------------|-------------|-------|-----------|
| Name on Survey                        | A,       | Ho. Oc.           | ZO C,       | D          | E   | Or John       | ,°' / G     | H           | 25, K | 568       |
| Clubfoot Canal                        | 1        |                   |             | v          |   |               |             |             | K     | 1         |
| Harlowe Creek                         | 1        | Harlow<br>Cr.     |             | 1          |   |               |             |             |       | 2         |
| Newport River                         | 1        | 1                 |             | 1          |   |               |             |             |       | 3         |
| Oyster Creek                          | 1        | 1                 |             | 1          |   |               |             |             |       | 4         |
| Core Creek                            | 1        | 1                 |             | ~          |   |               |             |             |       | 5         |
| Eastman Creek Bell Creek              | East ma. | East Man's        |             | 1          |   |               |             |             |       | 6         |
| Ware Creek                            | 1        | 1                 |             | 1          |   |               |             |             |       | 7         |
| Russell Creek                         | 1        | Russell's         | - 1         | 1          | - E                                       |               |             |             |       | 8         |
| Newport Marshes                       | 1        | /                 |             | -          |   |               |             |             |       | 9         |
| Gallant Point                         | ~        | gallants<br>Point |             | 1          |   |               |             |             |       | 10        |
| Town Marsh                            | V        | 1                 | n e         | ~          |   |               |             |             |       | 11 .      |
| Town Creek                            | /        | ~                 |             | -          | - 5                                       |               |             |             |       | 12        |
| Beaufort                              | /        | 1                 |             | 1          |   | 1             |             |             |       | 13        |
| Carrot Island                         | 1        | 1                 |             | -          |   |               |             |             |       | 14        |
| North River                           | /        | ~                 |             | -          |   |               |             |             |       | 15        |
| North River Thorofare                 | 1        | 1                 |             | -          |   |               |             |             |       | 16        |
| Bogue Banks                           | 1 1      | /                 |             | 1          |   |               |             |             |       | 17        |
| Shackleford Banks                     | 1        | 1                 |             | 1          |   |               |             |             | 1     | 18        |
| Shackleford Point                     | /        |                   |             | 1          |   |               |             | 1           | 1     | 19        |
| Cheney Bay                            | 1        | cheney's<br>Bay   |             | 1          |   |               | 1           |             |       | 20        |
| Turner Creek                          | ~        | Turner's          |             | 1          |   |               |             |             |       | 21        |
| Middle Marshes                        | 1        | 1                 |             | 1          |   |               |             |             |       | 22        |
| Lenoxville Point                      | 1        | 1                 |             | 1          |   |               |             |             |       | 23        |
| Taylor Creek                          | -        | Taylor's          |             | /          | 7   |               | 12          |             |       | 24        |
| Bell Creek                            | 1        | Bell's<br>CH      |             | ~          |   |               |             |             |       | 25        |
| Leavy topological                     | -        | 1                 |             | 3          |   |               |             |             |       | 26        |
| Fort Macon                            | ~        | 1                 |             |            |   |               |             |             | /     | 27        |
|                                       |          |                   |             |            |   |               |             |             |       | M 234 * R |

Remarks. Decisions 1 2 3 About Filled in 4 5 6 7 8 9 \_ 10 \_11\_ See T-6468 \_12 13 14 15 16 \_ 17 \_18 \_19 20 \_\_21 \_22 \_\_23 24 25 26 27 M 234

|          | GEOGRAPHIC NAMES Survey No. T-5574                          | <b>'</b>  |                    | C. C. | diadran. | 10 S        | See | Ochod    | A STORY OF THE STO | Hallos Hills | /             |
|----------|---|-----------|--------------------|-------|----------|-------------|---|----------|--|--------------|---------------|
|          | Name on Survey  | 100       | Orox WO            | So Or | 's Mod   | E E         | P. O. P.                                | O. Guite | and MC   | N K          | 08/           |
| offsheet | Tar Landing Bay   | / A, ✓    | / b,               | of.   | 1 20     | hul         | - Comment                               | G        | П  |              | 1             |
| 4.4      | Drum Creek  |           | ~                  | . (   |          |             |   |          |  | •            | 2             |
|          | Fishing Creek   |           | ~                  |       |          |             |   |          | 9  |              | 3             |
|          | September of the sex  |           | 1                  |       |          |             |   | ).       |  |              | 4             |
| ok       | Mullet Pond<br>Horse Island                                 | ch<br>421 | -                  |       |          |             | 5                                       |          |  |              | <u>5</u><br>6 |
|          | steep Point Chan  | ~         | 1                  |       |          |             |   |          |  |              | 7             |
|          | 4×4×4 44  | × *       | **                 |       |          | <b>D.P.</b> |   |          |  |              | 8             |
|          | Bulkhead Chan.  |           | ~                  |       | *        | 29351       | 1000                                    |          |  | Gallant      | 9             |
|          | Gallant'y chan.   | 1         | -                  |       |          |             |   |          |  | chan.        | 10            |
|          | Clubfoot Creek Piver Island                                 | ~         | T. 4267<br>Piver's | 7     |          |             |   |          |  | Pivers       | 11            |
|          |   | 1234      |                    |       |          | 1           |   |          |  |              | 13            |
|          | Atlantic Ocean  |           |                    |       |          | 298/3       |   |          |  |              | 14            |
|          | Crab Point Thorofare  | V         |                    |       |          |             |   |          |  |              | 15            |
|          |   |           |                    |       | 7        |             |   |          |  |              | 16            |
|          |   |           |                    |       |          |             |   |          |  |              | 17            |
|          |   |           |                    |       |          |             |   |          |  |              | 19            |
|          | 1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>100 |           |                    |       |          |             |   |          |  |              | 20            |
|          |   |           |                    |       |          |             |   |          |  | 77 194       | 21            |
| *        |   |           |                    | * 1   |          |             |   | 19       |  |              | 22            |
|          | Names underlined in red appr                                | oved      |                    |       |          |             |   |          |  |              | 23            |
|          | by SHE on 2/24  | 38        |                    |       |          |             |   |          |  |              | 25            |
|          |   |           |                    |       |          |             |   |          |  |              | 26            |
|          |   |           |                    |       |          |             | -                                       |          |  |              | 27            |
|          | The second second second                                    |           |                    |       |          |             |   |          |  |              | M 234 2       |

#### REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5574

Scale 1:20,000

#### Data Record

Triangulation to 1933.

Photographs in January 1933.

Plane table surveys in February 1933.

Hydrography (no recent surveys).

Field Inspection in 1933 and 1936.

The field inspection was largely for the spotting of control and interpretation of the photographs. Except for a bridge at latitude 34° 43.2', long. 76° 40.3', which was built since the time of the photos and located by field inspection, this survey is of the date of the photographs.

#### Comparison with recent Graphic Control Surveys.

T-6000 (1933) 1:20,000.

T-6000 shows only a small amount of detail rodded in at the triangulation stations.

There are a few differences from 0.0 to 0.5 mm. between T-6000 and this Air Photographic survey. In each case the photographs have been examined and T-5574 has been corrected where necessary. The air photographic survey is accepted as correct. The remaining differences with T-6000 are minor.

### Comparison with recent Hydrographic Surveys.

There are no recent hydrographic surveys within the area covered by the air photographic survey.

## Comparison with former topographic surveys.

$$\frac{T-315 \quad (1851) \quad 1:10,000; \quad T-874 \quad (1862) \quad 1:10,000; \quad T-1328 \quad (1873)}{1:20,000; \quad T-3395 \quad (1913) \quad 1:10,000; \quad T-4267 \quad (1927)}$$

The above surveys show some erosion at Beaufort entrance from the air photographic survey. Channels have been changed and canals dug that are not shown on the above surveys. The air photographic survey is more complete in detail and shows the recent cultured changes such as bridges and roads.

The air photographic survey is complete and adequate to supersede the portions of the above surveys which it covers.

#### Comparison with Charts 420, 833 and 1233.

T-5574 was applied to Chart 1233 prior to this review. None of the changes made on T-5574 during this review affect Chart 1233.

T-5574 has not been applied to charts 420 and 1234 at this date.

The construction of the new boat basin at lat. 34° 43', long. 76° 41.5' has been completed since the date of the field inspection and the basin and spoil dumps resulting from dredging of the basin are not shown on T-5574.

T-5574 shows numerous changes in shoreline and cultural details on the present charts 420 and 1233.

The stack and dock shown on charts 420 and 1233, lat. 34° 42.6° long. 76° 37.0°, no longer exists and should be removed from the chart. This information is from examination of the photographs.

The stack shown on the charts at lat. 34° 42.4¹, long. 76° 37.2¹ is not shown on T-5574 but is not disproved and should be continued on the charts. An ambiguous field inspection note indicates that the stack is in existence but it cannot be definitely identified on the photos.

The lights and beacons shown on T-5574 were located by triangulation in 1933 and the year of location is shown on T-5574.

Triangulation Station North, Range Beacon 1933, at lat. 34° 42.8', long. 76° 35.1', has been changed since 1933 and the station has been removed from T-5574.

The following were not located by the triangulation and are not visible on the photos and are not shown on T-5574:

Beacon at lat. 34° 42.8', long. 76° 39.5' Light at lat. 34° 42.8', long. 76° 39.7' Range light, lat. 34° 42.8', long. 76° 35.1'

Tentically no field mappedin note were model
on the march shouling and become of the pron quelity of the
potentiaphs the march shouling is subject to some minimipation.
The delination of the march on the old survey T 1328 has been
used as an aid in interpreting the photos. The march line
where hy the field party had to be kneeded in the office

L. L. Land

#### REVIEW OF AIR PHOTO COMPILATION NO.

Chief of Party: 5.B. Grenell

Compiled by: 5.B. Grenell

Project: Party #18

Instructions dated: Nar-18,1936

- The charts of this area have been examined and topographic information necessary to bring the charts up to date is shown on this compilation. (Par. 16a, b,c,d,e,g and i; 26; and 64)
- Change in position, or non-existence of wharfs, lights, and other topographic detail of particular importance to navigation which affect the chart, is discussed in the descriptive report. (Par. 26; and 66 g,n)
- Ground surveys by plane table, sextant, or theodolite have been used to supplement the photographic plot where necessary to obtain complete information, and all such surveys are discussed in the descriptive report. (Par. 65; and 66 d,e) Topo control sheet T-6000
- Blue-prints and maps from other sources which were transmitted by the field party contain sufficient control for their application to the charts. (Par. 28) None
- Differences between this compilation and contemporary plane , table and hydrographic surveys have been examined and rectified in the field before forwarding the compilations to the office and are discussed in the descriptive report. V
- The control and adjustment of the photo plot are discussed in the \_ descriptive report. Unusual or large adjustments are discussed in detail and limits of the area affected are stated. (Par. 12b; 44; and 66 c,h,i)
- High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, and 44)

Strike out paragraphs, words or phrases not applicable and NOTE: modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Refer also to the pamphlet "Notes on the Compilation of Planimetric Line Maps from Five Lens Air Photographs."

8. The representation of low water lines, reefs, earl reefs and rooks, and legends pertaining to them is satisfactory. (Par. > 36, 37, 38, 39, 40, 41)

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- 9. Recoverable objects have been located and described on Form 524 in accordance with circular 30, 1933, circular letter of March 3, 1933, and circular 31, 1934, (Par. 29, 30, and 57)

  Sufficient A No recoverable points located
- 10. A list of landmarks was furnished on Form 567 and instructions in the Director's letter of July 16, 1934, Landmarks for Charts, complied with. (Par. 16d, e; and 60)
- 11. All bridges shown on the compilation are accompanied by a note stating whether fixed or draw, clearance, and width of draw if a draw bridge. Additional information of importance to navigation is given in the descriptive report. (Par. 16c)
- 12. Geographic names are shown on the overlay tracing. The accepted local usage of new names has been determined and they are listed in the report, together with a general statement as to source of information and a specific statement when advisable. Complete discussion of place names differing from the charts and from the U. S. G. S. Quadrangles is given in the descriptive report, together with reasons for recommendations made. (Par. 64, and 66k)
- 13. The geographic datum of the compilation is M.A. 1927 and the reference station is correctly noted.
- 14. Junctions with adjoining compilations have been examined and are in agreement. (Par. 66j)
- 15. The drafting is satisfactory and particular attention has been given the following:
  - 1. Standard symbols authorized by the Board of Surveys and Maps have been used throughout except as noted in the report.
  - 2. The degrees and minutes of Latitude and Longitude are correctly marked.

3. All station points are exactly marked by fine black dots.

- 4. Closely spaced lines are drawn sharp and clear for printing.
- 5. Topographic symbols for similar features are of uniform weight.
- 6. All drawing has been retouched where partially rubbed off.
- Buildings are drawn with clear straight lines 
   — and square corners where such is the case on the ground.

(Par. 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48)

16. No additional surveying is recommended at this time.
Recommend that a survey of the Morehead City
Post Terminal be made when that project is completed.

17. Remarks:

See descriptive report for discussion.

18. Examined and approved;

Sec. 2

Chief of Party

19. Remarks after review in office:

Reviewed in office by: L.C. Lande 139. gones

Examained and approved:

Chief Section of Meld Records

Chief, Division of Charts

thief, Section of Field Work

Chief, Division of Hydrography and Topography.