U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey  Topographic
Project
Field-No.  319  Office No.  T-5768

LOCALITY
State  Alaska,
General locality  Chowiet
Locality  Semidi I. Group

194 Y5

CHIEF OF PARTY
H. E. Finnegan, Chief of Party
Div. of Photogrammetry, Wash., D.C.

DATE

LIBRARY & ARCHIVES
DATA RECORD

T.5768

Quadrangle (II): Project No. (II):

Field Office: Chief of Party: H. E. Finnegan

Compilation Office: Chief of Party: Stereoscopic Mapping Section
Washington, D. C.

Instructions dated (II III): 2/24/47 Copy filed in REPORT XXX

Completed survey received in office:

Reported to Nautical Chart Section: April, 1947

Reviewed: 3/11/49 Applied to chart No. 8851 Date: 3/8/48

Redrafting Completed: 8-25-50

Registered: 11/23/49 Published:

Compilation Scale: 1:20,000 Published Scale:

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927 Datum Plane (III): MHWL: shore line

Reference Station (III): CHOYET, 1925, r. 1945 MLLW: foreshore

Lat.: Adjusted

Long.: Unadjusted

State Plane Coordinates (VI):

\[ X = \quad Y = \]

Military Grid Zone (VI)
### PHOTOS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
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<td>8-6-41</td>
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<td>1:20,000</td>
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<td>06174</td>
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<td>06186</td>
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</table>

Tide from (III): Chignik, Anchorage Bay, 56°18'41,158°23'4

Mean Range: 6' (Approx.) Spring Range:

Camera: (Kind or source) 9 lens

Field Inspection by: Ship E LESTER JONES date: 1945
H.E. Finnegan, Chief of Party

Field Edit by: None date:

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

Projection and Grids ruled by (III) S.R. date: 7/25/46
" " " checked by: S.R. date: 7/25/46
Control plotted by: G. R. Bowersox date: 10/1/46
Control checked by: L. M. Gazik date: 10/1/46
Radial Plot by: G. R. Bowersox date: 10/15/46
L. M. Gazik

Detailed by: Shoreline: E. T. Hynson date: 4/11/47
Contours: Stereoscopic Mapping Section

Reviewed in compilation office by: L.C. Lande date: April, 1947

Map Manuscript

Elevations on-Field Edit Sheet checked by: Stereoscopic Mapping Section date: 1947
Land Area (Sq. Statute Miles):

Shoreline (More than 200 meters to opposite shore):

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established: 5

Number of Temporary Hydrographic Stations located by radial plot: 17

Leveling (to control contours) - miles:

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

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

Remarks:
Summary to Accompany T-5768

Topographic map T-5768 is one of 24 similar maps in project CS-319, Alaska Peninsula. It covers Chowiet, Kateekuk, Anowik, Kiliktagik, Suklik, Aliksemit and South Islands of the Semidi Islands group. The map area lies between latitude 55°58' and 56°07' and between longitude 156°36' and 156°51'.

Field inspection covered shoreline and offshore data.

Unmarked supplementary horizontal (and vertical) control was established for use in drawing contours by the Reading stereocartograph at the Washington Office. Shoreline and offshore features were delineated without the aid of the stereocartograph in the Washington Office.

Data pertaining to T-5768 is filed as follows:

A. Division of Photogrammetry General Files

1. Acetate manuscript

2. Field inspection photographs

3. Duplicate of Descriptive Report

B. Bureau Archives

1. Registered original Descriptive Report

2. A cloth-backed lithographic print of the reviewed map manuscript at compilation scale

C. Library and Archives

1. Season's Report, 1945, H. E. Finnegan
Compilation Report.

T-5768 and T-5767 (AGHIYUK I.) were covered by one continuous radial plot.


The following ten triangulation stations (N.A. 1927 Datum) were used for control and held to the plotted positions (in millimeters) as indicated:

<table>
<thead>
<tr>
<th>Station</th>
<th>Not held by millimeters</th>
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<tbody>
<tr>
<td>*ALIKEMIT, 1945</td>
<td>0.4</td>
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<tr>
<td>ANOVIK, 1945</td>
<td>1.0</td>
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<td>CHOWIET, 1925, r. 1945 (office recovery)</td>
<td>0.5</td>
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<td>*GANE, 1945</td>
<td>0.7</td>
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<td>*GUN, 1945</td>
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<td>*KATE, 1945 (office recovery)</td>
<td>Held</td>
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<tr>
<td>*KIL, 1945 (office recovery)</td>
<td>Held</td>
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<tr>
<td>SUKLIK, 1945</td>
<td>0.7</td>
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<tr>
<td>*TBE, 1945</td>
<td>Held</td>
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<tr>
<td>*VIC, 1945 (office recovery)</td>
<td>0.3</td>
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(*) indicates a "no check" position.

27. Radial Plot.

Twelve vinylite templates ruled with black acid ink were made from as many nine-lens photographs numbered 06174 to 06181 inclusive and 06185 to 06188 inclusive. Each template was adjusted to every chamber of the nine-lens photographs.

The stations were well distributed and the density of horizontal control was adequate.

The position of South Island has been determined with 3 pass points (several cuts each) but due to the narrow angle intersections its position should not be accepted unreservedly.
Photographs 06184 and 06185 with control and secondaries common to both T-5767 and T-5768 were used to tie the two areas together.

Photograph 06170 was at a larger scale than the remainder of the photographs in the plot, enough so that stereoscopic use with the others was not feasible, and sufficient cuts were obtainable from the other photographs so that its use was unnecessary in the radial plot.


Complete field inspection on offshore features and of the MHWL was lacking, but it is felt that these features are shown within the limits of accuracy for this scale. However, in those areas where the shoreline is obstructed by the displacement of the high bluffs and where the MHWL is in doubtful position, the indefinite shoreline symbol is used. It is suggested that the hydrographic party investigate and correct these inadequacies. The photographs were good enough to clearly delineate detail and generalization has been held to a minimum.

31. Low-Water Line.

No attempt has been made to show the LW line.

32. Details Offshore from the High-Water Line.

The extent of ledge areas offshore and the MHWL on detached rocks is not considered complete due to the lack of field inspection. These features should receive special attention by the hydrographic party.

35. Hydrographic Control.

The following described and marked H. & T. stations were located by radial plot:

HOME
LOST
ROOK
BELT
DRAY

One hundred seventy-nine temporary hydrographic control signal sites were cut in with 3 or more radial line intersections during the process of detailing, and all were identified by field inspection. No office picked stations are shown. The numbering system is arbitrary,
being the last two digits of the T-sheet number, and in numerical order thereon.

45. Comparison with Nautical Charts.

There has been no comparison with Chart No. 8851 (1:400,000) due to the great difference in scale. This sheet supersedes preliminary reconnaissance survey T-5747, scale 1:20,000, which was done previously without the benefit of field inspection information.

Respectfully submitted:

L. M. Gazik
L. M. Gazik
Photogrammetric Aid

Approved by:

L. C. Lande
L. C. Lande
Chief, Graphic Compilation Section
Descriptive Report
T-5767, T-5768, and T-8327

Contouring.

Contouring was performed with the stereocartograph in much the same manner as reported for sheet T-8616.

The contour interval is 200 feet with the odd hundred foot contours shown by long dashed lines where the terrain was relatively flat. The 100 foot contour was indicated wherever possible. The accuracy of all contours is believed to be within 50 feet or better.

Steep cliffs occur in many places along the shore. The cliff line is indicated on the sheets. Approximate contours are indicated with short-dashed lines along the faces of the cliffs, but it is recommended that these approximate contours be ignored entirely and that the cliff faces be indicated with hachures only. The contours along the faces of the cliffs are approximate because the images usually do not occur on more than one photograph due to steepness.

The compilation of the contours was shown in pencil when the sheet was returned to the Graphic Compilation Section for inking shoreline.

G. C. Tewinkel
28 February 1947
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Names underlined in red are approved. 3/1/49 L. Heck

28
Division of Photogrammetry
Review Report of
Topographic Map Manuscript T-5768

Subject numbers not used in this report have been adequately covered in other parts of the Descriptive Report.

28 Detailing

The delineation of shoreline was carefully examined and compared with office and field inspection photographs. The lack of complete field inspection on offshore features and of the M.H.W.L. was due to unfavorable weather conditions. (see Season's Report of Field Inspection of air photographs, South Coast of Alaska Peninsula, E. LESTER JONES, by Comdr. H. E. Finnegar) Sufficient photo-coverage of most of the area and the character of the shoreline, however, made the high-water line clearly apparent and some changes and additions were made to complete the map manuscript. The most western portion of CHOWLET ISLAND is, due to insufficient photo-coverage, not as clearly detailed as delineation of offshore features and of the M.H.W.L. of this part of the island as well as a few other sections of indefinite shoreline are subject to change by the hydrographer. The typical sharp bluffs, almost uninterrupted, were outlined on the map manuscript during the review. The adjoining topographic Map Manuscript T-5767 shows this bluff-condition clearly and the detailing of the two maps covering the SEMIDI ISLANDS is now uniform in appearance.

37 Geographic Names

All names appearing on the map manuscript have been approved by the Geographic Names Section of the Division of Charts and a list of these names is attached to the Descriptive Report.

47 Adequacy of Compilation

Map manuscript T-5768 is complete in all detailing as a base map for nautical charts and hydrographic surveys. All inshore details are adequate for incorporation into standard quadrangles of 1:24,000 (or smaller scale) with a contour interval of not less than 200 feet, except for the first 100 ft. contour.

48 Accuracy Tests

Horizontal - No horizontal accuracy test was made. The combination of adequate nine-lens photo-coverage, nine-lens radial plot methods and adequate horizontal control, insures a horizontal accuracy equal to or better than National Map Accuracy Standards.

Vertical - Vertical accuracy tests have not been made on this map nor have similar areas mapped by similar methods been previously tested.
51 Application to Nautical Charts

This map manuscript has not been applied to Nautical Charts as of the date of this review report.

Reviewed by:

J. J. Streifler
J. J. Streifler, 11 March 1949

Approved by:

A. J. Griffith
Chief, Review Section

Medmonter
Chief, Nautical Chart Branch
Division of Charts

O. Reading
Chief, Division of Photogrammetry

Earl O. Heston
Chief, Division of Coastal Surveys
NAUTICAL CHARTS BRANCH

SURVEY NO. T5768

Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
</table>
| 8 Mar 48 | 1851 | Judge | Before After Verification and Review
|        |      |      | Minor corrections. small scale. |
|        |      |      | Before After Verification and Review |
|        |      |      | Before After Verification and Review |
|        |      |      | Before After Verification and Review |
|        |      |      | Before After Verification and Review |
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|        |      |      | Before After Verification and Review |
|        |      |      | Before After Verification and Review |

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.