Form 804
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Topographic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Ph-44 (49)</td>
</tr>
<tr>
<td>Office No.</td>
<td>T-9036</td>
</tr>
</tbody>
</table>

LOCALITY

<table>
<thead>
<tr>
<th>State</th>
<th>Alaska</th>
</tr>
</thead>
<tbody>
<tr>
<td>General locality</td>
<td>Opposite Kodiak Island</td>
</tr>
<tr>
<td>Locality</td>
<td>HAILO BAY</td>
</tr>
</tbody>
</table>

1949

CHIEF OF PARTY
John Bowie Jr. Chief of Party
Division of Photogrammetry Washington, D.C.

LIBRARY & ARCHIVES

DATE
MAR 24 1955
DATA RECORD

Project No. Ph-44(49) Quad. Name (LLL) HALLO BAY


Instructions dated (II) (III):
II 24 Mar. 49
II 19 Aug 49, 1tr 711-1s
III Verbal

Method of Compilation (III): Reading Plotter

Manuscript Scale (III): 1:20,000 Stereoscopic Plotting Instrument Scale (III): 1:20,000

Scale Factor (III): 1:1

Date received in Washington Office (IV): APR 17, 1951 Date reported to Nautical Chart Branch (IV): APR 18, 1951

Applied to Chart No. Date: Date registered (IV): Dec. 14, 1951

Publication Scale (IV): Publication date (IV):

Geographic Datum (III): NA 1927 Vertical Datum (III):

Mean sea level except as follows: Elevations shown as (2) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water Shoreline at MBW

Reference Station (III):

Lat.:

Long.:

Adjusted

Plane Coordinates (IV):

State: Alaska Zone: 5

Y = X =

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

When entering names of personnel on this record give the surname and initials, not initials only.
Areas contoured by various personnel
(Show name within area)

100% by

Clarence E. Misfeldt
DATA RECORD

Field Inspection by (II):  John Bowie Jr.  Date: 13 Sep 49

Planetable contouring by (II):  None  Date: __________

Completion Surveys by (II):  None  Date: __________

Mean High Water Location (III) (State date and method of location):

MHW line is dated 1949 since it is instrument delineated from photographs taken in 1949.

Projection and Grids ruled by (IV):  Ruling Machine  Date: 14 Jan 51
(manuscripts)

Projection and Grids checked by (IV):  Theodore L. Janson  Date: 14 Jan 51

Control plotted by (III):  Robert L. Sugden  Date: 20 Jan 51

Control checked by (III):  John B. McDonald  Date: 20 Jan 51

Radial Plot of MHW

Surveyed by (III):  Frank J. Tarcza  Date: 29 Jun 50

Delineation by (III):  Planimetry
Stereoscopic Instrument and Clarence E. Mifflin  Date: 16 Mar 51
Contours

Compilation

Manuscript checked by (III):  Robert L. Sugden  Date: 27 Mar 51

Photogrammetric Office Review by (III):  Louis J. Reed  Date: 3 Apr 51

Elevations on Manuscript checked by (III):  Louis J. Reed  Date: 3 Apr 51
Camera (kind or source) (III): USC&GS 9-lens model B, f = 8.25 inches.

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>24944</td>
<td>3 Aug 49</td>
<td>13:30</td>
<td>1:20,000</td>
<td>8 below MHHW</td>
</tr>
<tr>
<td>thru</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24949</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tide (III)

Reference Station: Koko, Tides & Currents Division
Subordinate Station: Koko Bay
Subordinate Station: Agulik Island

Washington Office Review by (IV): G.B. Willey
L.M. Gazik

Final Drafting by (IV): C.B. Keating

Drafting verified for reproduction by (IV): Wood Hallman

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 19 sq mi
Shoreline (More than 200 meters to opposite shore) (III): 23 miles
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II): None
Number of Triangulation Stations searched for (II): 0
Number of BMs searched for (II): 0
Number of Recoverable Photo Stations established (III): None
Number of Temporary Photo Hydro Stations established (III): None

Remarks:
TOPOGRAPHIC MAPPING PROJECT

PH-44 (49)

ALASKA, Gulf of Alaska

Kukak Bay
SUMMARY TO ACCOMPANY T-9036

Topographic map T-9036 is one of four similar maps in Project Ph-44(49). It covers the south part of Hallo Bay, Alaska Peninsula, from latitude 58° 24' to 58° 27' and longitude 153° 55' to 154° 15'. T-9036 is only partially completed (see Compilation Report). The map was compiled in the Washington Office on the Reading Plotter from rectified nine lens photographs without benefit of field inspection. The contour interval is 100 feet supplemented by a contour interval of 50 feet. The manuscript was compiled on vinylite ruled with a polyconic projection at 1:20,000 scale on the N.A. 1927 Datum. A military grid, 2500 meter universal transverse mercator, was ruled on the manuscript. Material relative to this map is filed as follows:

1. Division of Photogrammetry General Files
   a. Map manuscript for T-9036

2. Bureau Archives
   a. Descriptive Report for T-9036
   b. Cloth-backed lithographic print of T-9036 at manuscript scale.
FIELD INSPECTION REPORT

2 thru 20

No report exists since no field inspection was made in this area prior to this compilation. However, the area just south of this manuscript was accomplished in 1949 and the report covering the field work may be found in descriptive report to accompany T-9302-9303 or the one to accompany T-9805.

Louis J. Reed, Chief
Stereoscopic Mapping Section
Photogrammetric Engineer
RADIAL PLOT REPORT

21 thru 30

The radial plot covering the area of this manuscript was accomplished in conjunction with three other manuscripts, and the report for the group may be found in descriptive report to accompany T-9302-9303, or in descriptive report for T-9805.

Louis J. Reed, Chief
Stereoscopic Mapping Section
Photogrammetric Engineer
COMPILATION REPORT

Only a small portion of the land area of this quadrangle, less than on quarter, has been mapped during the compilation work covered by this report. It is the south portion that has been worked where it joins the quadrangle south of it. The area was not intended for mapping but since the radial plot was strong and the photographs covered the area, it was felt economical to complete the area at that time. This quadrangle sheet has been created to preserve the work.

A normal compilation report is not being written to cover this quadrangle since the Descriptive Report to accompany the quadrangle to the south, T-9303, will cover this compilation also. Please refer to it. The only difference will be that the field inspection did not progress far enough north to cover any of the shoreline on this map, and therefore it must be kept in mind that this manuscript is entirely instrument delineated.

A Geographic Name sheet and a Compilation Office Review covering this quadrangle alone are to be found on separate pages following.

Louis J. Reed, Chief
Stereoscopic Mapping Section
Photogrammetric Engineer
PHOTOGRAMMETRIC OFFICE REVIEW

T. 9036

1. Projection and grids  
2. Title  
3. Manuscript numbers  
4. Manuscript size

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy  
6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)  
7. Photo hydro stations  
8. Bench marks  
9. Plotting of sextant fixes  
10. Photogrammetric plot report  
11. Detail points

ALONGSHORE AREAS
(Nautical Chart Data)

12. Shoreline  
13. Low-water line  
14. Rocks, shoals, etc.  
15. Bridges  
16. Aids to navigation  
17. Landmarks  
18. Other alongshore physical features  
19. Other alongshore cultural features

PHYSICAL FEATURES

20. Water features  
21. Natural ground cover  
22. Planetary contours  
23. Stereoscopic instrument contours  
24. Contours in general  
25. Spot elevations  
26. Other physical features

CULTURAL FEATURES

27. Roads  
28. Buildings  
29. Railroads  
30. Other cultural features

BOUNDARIES

31. Boundary lines  
32. Public land lines

MISCELLANEOUS

33. Geographic names  
34. Junctions  
35. Legibility of the manuscript  
36. Discrepancy overlay  
37. Descriptive Report  
38. Field inspection photographs  
39. Forms

40. 

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

__________________________  
Compiler

__________________________  
Supervisor

43. Remarks:
T-9036. Geographic Names.

Alaska
Shelikof Strait
Ninagiak Island
Hallo Bay
Katmai National Monument

Names underlined in red are approved. 3-3-52
REVIEW REPORT T-9036
Topographic Map
7 March 1952

62. Comparison with Registered Topographic Surveys

None

63. Comparison with Maps of other Agencies

U.S.G.S. Kamishak Bay - Katmai Region,
Alaska, Alaska Map 16, 1:250,000, 1938.

Because of scale and unsurveyed detail on the U.S.G.S.
map an adequate comparison cannot be made between the two
surveys.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

Chart 8556, 1:350,000, ed. 1938, corr. 8/28/50
T-9036 shows the shape of Ninagiak Island as differ-
ent from that shown on the chart.

The shoreline of Hallo Bay is shown as approximate
on the chart whereas it is shown as definite on T-9036.

66. Adequacy of Results and Future Surveys

This map is considered adequate as a base for hydro-
graphic surveys and for nautical chart construction. It
meets the National Standards of Map Accuracy and complies
with project instructions.

Reviewed by:

G. B. Milley

Approved by:

L C Landy 22 Dec 54
Chief, Review Section
Division of Photogrammetry

A. H. Edmonston
Chief, Nautical Chart Branch
Division of Charts G4

May R. Trotta
Chief, Div. of Photogrammetry

Earl G. Hatton 1
Chief, Div. Coastal Surveys