

9036

Diag. Cht. No. 8556-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-44 (49) Office No. T-9036

LOCALITY

State Alaska

South Coast Alaska Peninsula

General locality Opposite Kodiak Island

Locality HALLO BAY

194 9

CHIEF OF PARTY

John Bowie Jr. Chief of Party

Division of Photogrammetry, Wash., D.C.

LIBRARY & ARCHIVES

DATE

MAR 24 1955

9036

DATA RECORD

T -9036

Project No. (I): Ph-44(49)

Quadrangle Name (II): HALLO BAY

Field Office (II): USC&GS Ship LESTER JONES

Chief of Party: John Bowle Jr.

Photogrammetric Office (III): Baltimore, Md
Washington, D.C.Officer-in-Charge: Hubert A. Paton
Louis J. Reed, Chief,
Stereoscopic Mapping
Photogrammetry (IV) Section

Instructions dated (II) (III):

II 24 Mar 49
II 19 Aug 49, 1tr 711-rs
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, 1954

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) 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 MHW

Reference Station (III):

Lat.:

Long.:

Adjusted

Unadjusted
XXXXXXXX

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)
(b) (III)

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**
(manuscripts)Date: **14 Jan 51**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 Stereoscopic
Photographs by (III):~~**Frank J. Tarozza**Date: **29 Jun 50****delineation by**
Stereoscopic Instrument ~~XXXXXX~~ (III):

Planimetry

and

Contours

Clarence E. Misfeldt

Date:

16 Mar 51

Date:

compilation
Manuscript ~~XXXXXX~~ 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 ~~(X)~~ (III):**Louis J. Reed**Date: **3 Apr 51**

Camera (kind or source) (III): **USC&GS 9-lens model B, f = 8.25 inches.**

Number	Date	Time	Scale	Stage of Tide
24944 thru 24949	3 Aug 49	13:30	1:20,000	MHW or 8' below MHHW <i>Edw.</i>

Tide (III)

Reference Station: **Kodiak Tides & Currents Division**
 Subordinate Station: **Kukak Bay**
 Subordinate Station: **Aguligik Island**

Ratio of Ranges	Mean Range	Diurnal Spring Range
—	6.6	8.5
	12.5	

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

Date: **3-7-54**
8-10-53

Final Drafting by (IV): **E. B. Hunter**

Date: **1-5-54**

Drafting verified for reproduction by (IV): **Wm. O. Halluin**

Date: **12-17-53**

Proof Edit by (IV):

Date:

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** Recovered:

Identified:

Number of BMs searched for (II): **0** Recovered:

Identified:

Number of Recoverable Photo Stations established (III): **None**

Number of Temporary Photo Hydro Stations established (III): **None**

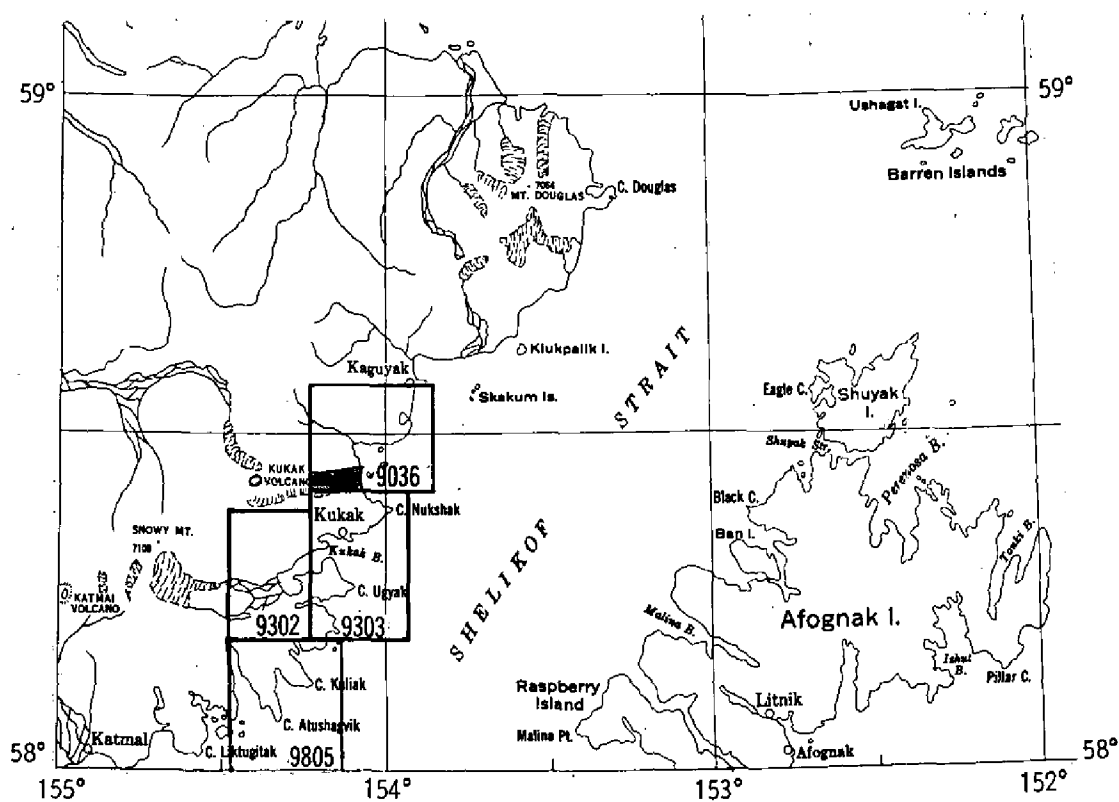
Remarks:

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 $58^{\circ} 24'$ to $58^{\circ} 27'$ and longitude $153^{\circ} 55'$ to $154^{\circ} 15'$. 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.

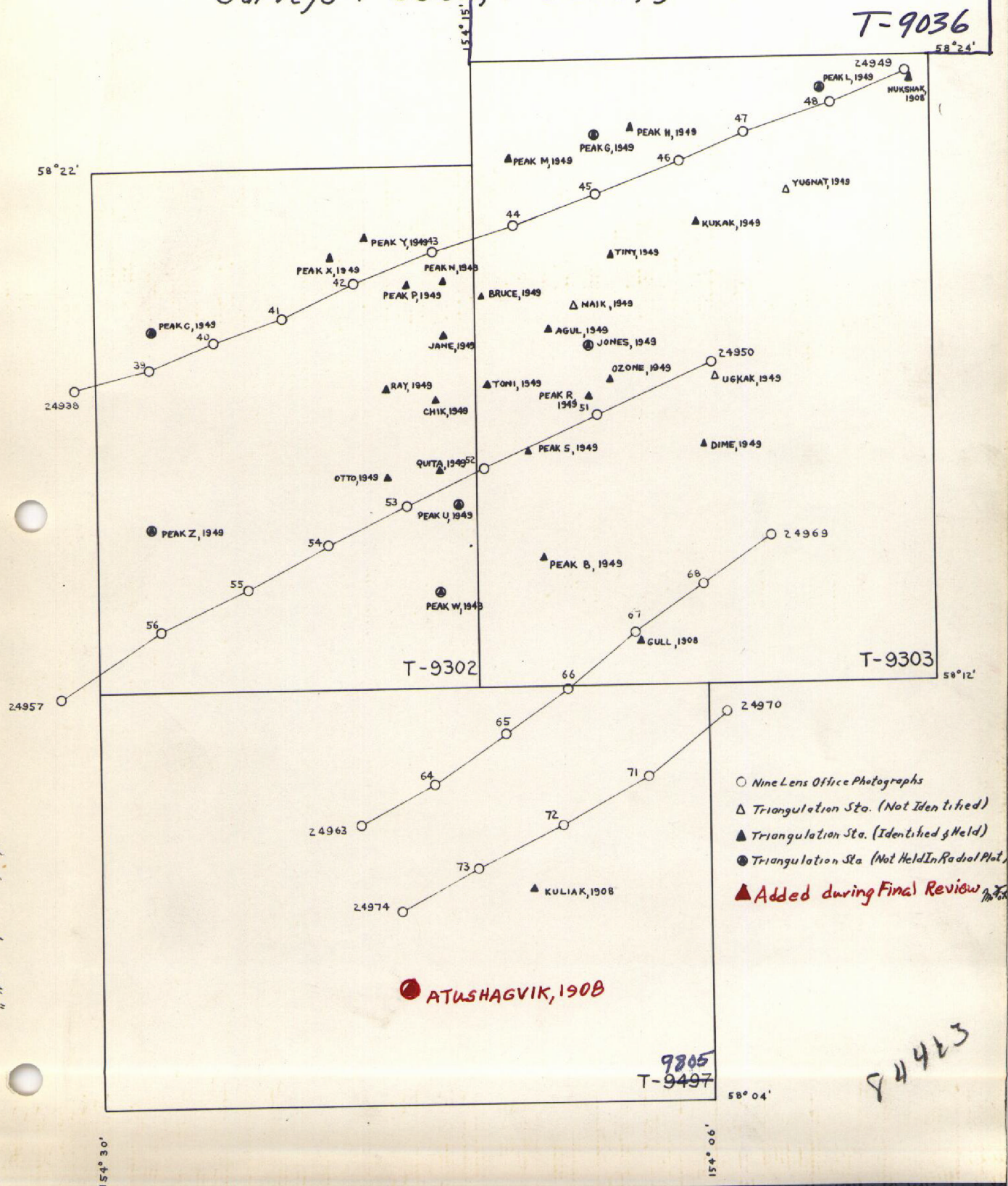
Louis J. Reed, Chief
Stereoscopic Mapping Section
Photogrammetric Engineer

LAYOUT SKETCH

Project Ph 44(48)

~~Surveys T-9302, T-9303, & T-9497~~

T-9036



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 ^{Photogrammetric} ~~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 along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable 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. ☒ *[Signature]* Reviewer

41. Remarks (see attached sheet)

[Signature]
Supervisor, Review Section or Unit
Louis J. Reed, Chief
Stereoscopic Mapping Section
Photogrammetric Engineer

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

Arch

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 different 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 hydrographic surveys and for nautical chart construction. It meets the National Standards of Map Accuracy and complies with project instructions.

Reviewed by:

G. B. Willey
G. B. Willey

Approved by:

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

H. M. Edmonston
Chief, Nautical Chart Branch
Division of Charts GAV

Max S. K. Pitto
Chief, Div. of Photogrammetry

Carl O. Heston
Chief, Div. Coastal Surveys

1954