

8006

Diag'd. on Dia. Ch. No. 8863

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric
Shoreline Survey

~~Field No.~~ T-8006 ~~Office No.~~

LOCALITY

State Alaska

General locality Delarof Islands

Locality Ulek Island

1946

CHIEF OF PARTY

K. T. Adams, Chief, Division of
Photogrammetry

LIBRARY & ARCHIVES

DATE July 22, 1947

8006

DATA RECORD

T-8006

18006

Quadrangle-(II):

Project No. (II): 318

Field Office:
Alaska Ship SURVEYOR

Chief of Party: C. D. Meany

Compilation Office:
Washington, D. C.Chief of Party: K. T. Adams, Chief, Div.
of Photogrammetry

Instructions dated (II III):

Copy filed in Descriptive
Report No. T- (VI)Compilation completed in Washington Office
~~Completed survey received in office:~~

Reported to Nautical Chart Section:

Reviewed: Applied to chart No. Date:

Redrafting Completed:

Registered: Published:

Compilation Scale: 1:20,000 Published Scale:

Scale Factor (III): 1.00

Geographic Datum (III): Unalaska Datum Plane (III):

Reference Station (III): Ulak, 1944

Lat.: 51° - 20' - 1642.3m Long.: 178° - 58' - 572.0m Adjusted
Unadjusted

State Plane Coordinates (VI): None

X = Y =

Military Grid Zone (VI) None

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
480 - 472	1934	Not known	1:24,000 (approx.)	Not known

~~Tide from (III):~~

~~Mean Range:~~

~~Spring Range:~~

Camera: (Kind or source)
Navy - 5 lens

Field Inspection by: Alaska Ship SURVEYOR date: 1945

Field-Edit by: date:

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

Date of photography (1934) with limited field inspection in 1945.

Projection and Grids ruled by (III) S. R. date: 6/17/46

" " " checked by: G. B. W. date: 6/17/46

Control plotted by: Transferred from Graphic Control Sheets T-6991 and 6993. date: July 1946

Control checked by: date:

Radial Plot by: L. M. Gazik date: July 1946

Detailed by: L. M. Gazik date: July 1946

Graphic Compilation Section by:
Reviewed in compilation office by: K. N. Maki date: July 1946

~~Elevations on Field-Edit Sheet~~
~~checked by:-~~ date:

STATISTICS (III)

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:

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles:

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:

26. Control

Triangulation and topographic stations transferred from the Graphic Control Sheets T-6991 and 6993 were used to control the radial plot.

Triangulation Stations (6)

Rog, 1944 (Sub.Sta.) was only about 5mm, from the flight line on the photographs consequently the intersecting angles in the radial plot were very small. The station was considered held.

Doc, 1944 is covered by only one photograph so that only one cut was available and was considered held for purposes of detailing inland drainage only.

Mesa, 1944 was reached by long projecting radial lines across a lens structure intersecting in small angles and was considered held.

Ulak, 1944 (Sub. Sta.) was considered not held due to discrepancies between the description and the point pricked on photograph #472.

Bluff, 1944 was considered not held as the intersection fell approximately 1mm south of the station.

Topographic Stations (39)

Get, Dig, Far, Pot, Vic, Low, Bat, Gal, Jim, Him, Eve, Nor, Dog, and Bit were considered held.

There were only two cuts possible at small angles for the stations Lord, Obo, Not, Mut, Lap, Tar which nevertheless were considered held.

Only one cut was available for Pit, Tes and Sam and were considered held.

Gab, Ace, Cat, Bet, Man, Sin, Junior, Eel, Vim, Abe, Wac and Hip were not held. In all cases except Bet and Man the field identification carried the notation "not positive" in the sketchbook, and the proximity of other held control indicate the field pricking of these two stations to be in error.

Other Control

Two rocks located on the Graphic Control Sheet T-6991 were held, one near the topographic station Gal and the other between Wac and Nor had only one cut.

27. Radial Plot

Nine consecutive celluloid templets made up the plot.

The density and identification of control was adequate.

The 1934 Navy 5 lens photographs used in making the templates were subject to shrinkage and movement from true alignment on their cardboard mounts.

The flight line was not centrally located over the main island, Ulak.

The shoreline between Pet and Jib has no photo coverage. The area and shoreline included in the quadrangle approximately determined by Doc, Pet, Joe and Hip is covered by only one photograph, #472.

The N.E. shoreline from Tar to Pet is covered by only two photographs, 472 and 473 and the points along this shoreline are determined by two intersections whose angles are too small to determine positions with any certainty.

28. Detailing

For purposes of detailing the photographs may be considered fair. They seem to have been taken late in the afternoon when the shadows were long, and are otherwise hazy. In the vicinity of Tanadak I. (Fucus I.) and along the northern shore the photographs have very poor definition. This, combined with the photographs relatively small scale (1:24,000) made interpretation of the photographs difficult.

There was very little field inspection of the shoreline off-shore rocks and foul areas except Tanadak I. (Fucus I.) and the part of Ulak covered by 1 or 2 photos only.

Most of the entire shoreline of Ulak is bordered by bluff. The shadows cast by the bluffs made the determination of the shoreline difficult throughout, particularly, along the bluffs facing East and Southeast.

The bluff along the N. shore undoubtedly continues beyond Hip to Jib but the indicating line was discontinued at this point due to haziness and availability of only one photograph for this area.

The bluff line along the southern half of Ulak is more definite than in the remaining portions of the island. The second bluff line in this southern half indicates the edge of a plateau but this line is not as definite as that determined by the shore bluffs.

The outline of Tanadak I. (Fucus I.), its surrounding ledges and keys was accepted as indicated by field inspection on photograph 475.

29. Supplemental Data

All data found in the Graphic Control Sheets have been accepted as correct.

The positions of rocks in the vicinity of Dog and Gal as determined by radial plot is at variance with their positions shown on T-6991 and these new positions are indicated *as well as the plausible positions. See par 45.*

Since the relative positions of Joe and Pit as to each other on the photographs were described as "not positive" by the field inspection sketchbook and are at variance with their positions plotted on the Graphic Control Sheet, the positions on the latter have been accepted as correct.

All data in red acid ink on the compilation sheet (T-8006) has been transferred from the Graphic Control Sheets T-6991 and 6993. All other data has been obtained from the radial plot and the compilation from the photographs.

30. Mean High Water Line

From office inspection of the photographs and a partial indication in the field on photos 472 & 475, the mean high water line is shown by a heavy black acid ink line.

31. Low Water and Shoal Lines

The dotted line shown on photo 472 by field inspection has been taken to indicate foul areas. Because of shadows and hazy photographs considerable use was made of the foul area symbol shown by a dash line off-shore and marked "foul" rather than attempt to indicate individual rocks that cannot be made out with any certainty. *See also par 45.*

Some close-lying off-shore rocks have been found to be detached from the shore only after consulting the descriptions in the sketchbook which otherwise might have been included as part of the shoreline had photo inspection been relied upon entirely.

32. Details Off-Shore from the High Water Line

Off-shore details where visible on the photos or indicated in the field have been shown with the conventional symbols. *See also par 45*

33. Wharves and Shoreline Structures

None were visible by photo inspection.

35. Hydrographic Control

No additional hydrographic control was located by radial plot.

36. Landing Fields and Aeronautical Aids

None visible on the photographs or indicated in the field, so none are shown on the manuscript.

44. Comparison with Existing Topographic Quadrangles

No topographic maps are available for comparison with this manuscript.

45. Comparison with Nautical Charts

T-8006 shows the shoreline details omitted on Graphic Control Sheet T-6991 and that part of T-6993 covering Ulak Island and Tanadac (Fucus) Island. All details within the area covered by T-8006 have been transferred thereto so that the graphic control sheets may be withdrawn from permanent files.

Because of the limited field inspection, low water line and rocks awash will be considered incomplete until the inshore hydrography is available for comparison, when any necessary corrections to T-8006 will be made in green acid ink.

Approved by

G. B. Willey
G. B. Willey
July 19, 1946

Submitted by

L. M. Gazik
L. M. Gazik
July 19, 1946

T-8006 (Supplemental)

45. Comparison with Nautical Charts:

Sheet T-8006 was compared with the most recent Hydrographic Survey of the area, Hydrographic Survey H-7050, scale 1:40,000¹⁹⁴⁵, covers a large part of the area of Ulak Island. The soundings and other features on sheet T-8006 did not conflict with Hydrographic Survey H-7050.

Approved:

L. C. Landy

Submitted: K. H. Maki

8/1/46

H 7050 does not cover the southern end of the island so additional comparison will be made when the remaining hydrography comes in.