State: Alaska

Locality:
Aleutian Islands
Unalaska Island
Chernofski Harbor (Inner Part)

Photo taken in 1934 by U.S. Navy.

Chief of Party:
A. M. Sobieralski

U.S. GOVERNMENT PRINTING OFFICE
Inspected after review - no change.

Applied to confidential chart 7022, Dec. 6, 1938. Federation.
Applied to confidential chart 9020. May 1940. C.A.M.

8801 Nov. 3 M.A.

9002 Feb. 28, 1942 P.B.2.
The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 2-CH-2CS/36M

REGISTER NO. T5730

State. ALASKA

General locality. UNALASKA ISLAND, ALEUTIAN ISLANDS

Locality. INNER CHERNOFSKI HARBOR

Scale. Approx. 1:5000 Date of survey. U.S. NAVY in 1934

Vessel. U.S.C.G.S.S. SURVEYOR

Chief of party. A. M. Sobieralski

Surveyed by. Single Lens Camera

Inked by. F. A. Riddell

Heights in feet above. Mean Sea Level to ground to top of trees

Contour. Approximate Contour. Form line interval 100 feet

Instructions dated. April 13, 1934

Remarks: This sheet is a map drawing compiled from single lens camera air photographs taken by the U.S. NAVY in 1934.
## Statistics

**Sheet:** Field No. 3-6H

**Photos:** No. 401 to No. 410

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**Preliminary Review of Sheet**

**Area of Detail Inked:** 5 square Statute Miles (Land Area)

**Area of Detail Inked:** 1/8 square Statute Miles (Shoals in Water Area)

**Length of Shoreline**
- (more than 200 m. from nearest opposite shore)
  - 7.2 Statute Miles
- (rivers and sloughs less than 200 m. wide)
  - 9.5 Statute Miles

**Length of Streets, Roads, Trails, Railroads, etc.** None Statute Miles

**General Location:** Unalaska Island, Alaska

**Location:** Inner Chernofski Harbor

**Datum:** Unalaska, 1901

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**Unadjusted**

**Station:** Curb 1935

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<td>167° 32' 04&quot;.765</td>
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DESCRIPTIVE REPORT
to accompany
MAP DRAWING No. 2-CH

Chernofski Harbor, Unalaska Island, Alaska
Season 1937
Project HT 176


EXTENT:
This sheet covers the inner portion of Chernofski Harbor including West Beach. Mailboat Cove

GENERAL DESCRIPTION:
Over most of the area the hills are low and rolling. They are covered with a thick grass and are fenced as pastures for sheep. On the southwest side of the inner part of the bay the hills become much more rugged and have numerous gullies. Along most of the shore there is a narrow strip of gravel beach with rocks and reefs extending offshore. The dashed line indicates the edge of the reef or foul area.

South of West Beach is a large, low valley in which are located the buildings and pens of a sheep ranch. During the summer of 1937 three sheep herders lived here. The large gray barn, located by triangulation, was used as a shearing shed. The beach along this stretch is composed of gravel and small boulders.

Middle Spit is a low grassy point of land with a gravel beach. The buildings shown on the drawing were once part of a sheep ranch but are now abandoned. The wreck on the south shore of the spit was beached for a loading pier. It, however, was never anchored and now lies too high on the beach to be of any use.

The inner or south end of the bay is shallow with mud bottom. The beach is composed of mud and sand.

CONTROL:
(a) Triangulation executed in 1935.
(b) 1937 Aluminum "Control Sheets, 37-37 and 37-37 (1:5000 scale).

The control points on the aluminum sheets were scaled and the scaling was checked. The values were multiplied by the scale factor (1.024) and then as they were plotted on the celluloid sheet from both directions, checking of the plotting was considered unnecessary. A rough check however was made at the time the elevations were transferred by means of the projectors and no discrepancies were noted.
FIELD INSPECTION OF PHOTOGRAPHS:

The field inspection of the photographs was made simultaneously with the execution of work on the Aluminum Control Sheets. Points which could be clearly identified were pricked on the photographs and then located on the control sheets by means of stadia. As there was little interior detail most of the points selected were along the shoreline. Notes regarding the shoreline and other features were recorded in a sketch book in rough form for use by the compiler.

RADIAL LINE PLOT:

The standard radial line plot method was used with no particular difficulties encountered. As the principle point of a good many of the photographs fell in the water area it was impossible to select suitable center points. The control, however, was sufficient so that most of the photographs could be plotted independently. Intersections were uniformly good and as little detail is shown on the sheet few points other than those along the shore were needed.

ELEVATIONS AND FORM LINES:

All elevations were transferred to the overlay sheet from the Aluminum Control Sheets by means of the projector.

Form lining was done for as much of the area as was possible with the elevations that were available. The general trend of the form lines was determined by viewing the photographs under the stereoscope. Also notes made in the field proved helpful.

INTERPRETATION:

The photographs were clear and as the field inspection was done by the compiler little difficulty was encountered in interpreting the detail.

JUNCTIONS:

This sheet joins map drawing No. 1 CH at plotted control points. The junctions were examined and found to be satisfactory.

NAMES:

West Point is suggested as a name for that portion of the harbor off the sheep ranch.

Middle Spit is suggested as a name for the low grassy point which is described in the Coast Pilot as an unnamed point.

Respectfully submitted

Approved and Forwarded

Fred A. Riddell
Jr., H.&G.E.

A. M. Sobieralski
Commanding Officer
U.S.C.&G.S.S. Surveyor
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<td>Cutter Pt.</td>
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*Names underlined in red applied by GHE 5/26/39.*
DIVISION OF CHARTS
Section of Field Records

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-5730
1:5,000

Graphic Control Surveys.

C.S. 137M (1937) 1:5,000 (Filed in Air Photo Unit).
C.S. 138M (1937) 1:5,000 ("""
"")

The graphic control surveys show only hydrographic
stations, elevations for Form Line control, a few build-
ings and the magnetic declination.

Previous Topographic Surveys.

None.

Hydrographic Surveys.

H-6414 (1937-38) 1:10,000.

H-6414 and T-5730 were compared by the hydrographic
verifier. A considerable amount of hydrography completed
in Chernofski inner harbor in 1939 had not been received
in the office at the time of this review.

Comparison with Charts 8802 (1938-11/3), 9196 (1939-7/18)
9022 (proof copy).

T-5730 shows numerous additional details for correc-
tion of Charts 8802 and 9196.

T-5730 has been applied to Chart 9022 (confidential)
prior to this review but no changes have been made in
T-5730 during the review which effect the chart.

Junctions.

The junction with the adjoining sheet T-5406 is
satisfactory.

General.

The photographs show two additional small buildings
at Mail Boat Cove. These have not been added to T-5730
as the field inspection was three years later than the
photographs and they may no longer exist.

Drafting.

The original drawings for T-5730 consisted of shore
line details on celluloid (scale 1:5,000) and form lines
on a separate tracing paper overlay.

A new projection was made on Whatman's paper in this office and all map details transferred thereto in pencil by means of the Map Projector. The pencil drawing was inked in the Philadelphia Office and has been checked against the originals for accuracy of copy and completeness. Projection made on ruling machine by S. Kass. Pencil copy prepared by R. E. Elkins. Finished drawing checked by R. E. Elkins.

Reviewed by - H. D. Reed, January 21, 1940.

Inspected by - B. G. Jones, March 15, 1940.

Examined and approved:

T. B. Reed, Chief, Section of Field Records.

K. T. Adams, Chief, Division of Charts.

Raymond Lyman, Chief, Section of Field Work.

Chief, Division of H. & T.