

5730

CONFIDENTIAL

Form 504  
Rev. April 1935  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT  
MAP DRAWING  
*Topographic*  
*Hydrographic*

Sheet No. *2-68136M* *75730*

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES  
APR 19 1938  
Acc. No.

State Alaska

LOCALITY

Aleutian Islands

Unalaska Island

Chernofski Harbor (Inner Part)

*Photos taken in 1934 by U.S. Navy.*

1937

CHIEF OF PARTY

A. M. Sobieralski

U. S. GOVERNMENT PRINTING OFFICE

5730  
CONFIDENTIAL

Inspected after review - no Cor. - Jan 1, 1941  
before being reported.

Applied to Confidential Chart 9022, Dec. 6, 1938 H. M. C. S. W. M.

Applied to confidential chart 9020 May 1940 F. A. M.

" " " 8802 Nov. " 3. M. A.

" " " (new) " 9002 Feb. 28 - 1942 P. B. G.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

MAP DRAWING  
TOPOGRAPHIC TITLE SHEET

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 2-65136 M. 10, 1934

REGISTER NO.

**T5730**

State ALASKA

General locality UNALASKA ISLAND, ALEUTIAN ISLANDS

Locality INNER CHERNOFSKI HARBOR

f = 1.024 From Air Photographs taken by  
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. Sobierski

Surveyed by Single lens Camera

Inked by F. A. Riddell

Heights in feet above MHW to ground ~~to tops 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 -

on 2-CS 136M  
 SHEET? FIELD No. 2-CH

PHOTOS, No. 401 to No. 410  
 No. 445 to No. 476

DATE OF PHOTOGRAPHS 1934 TIME \_\_\_\_\_

*Wrong*  
CS 137.M  
CS 138.M

|   | by                             | date                                   |
|---|--------------------------------|--|
|   |                                | FROM TO                                |
| ROUGH RADIAL PLOT   | J.C.E.                         | 1/3/38                                 |
| SCALE FACTOR (1.024)  | J.C.E.                         | 1/5/38                                 |
| SCALE FACTOR CHECKED  | F.A.R.                         | 1/7/38                                 |
| PROJECTION  | J.C.E.                         | 1/10/38                                |
| PROJECTION CHECKED  | F.A.R.                         | 1/10/38                                |
| CONTROL PLOTTED   | F.A.R.                         | 1/12/38                                |
| CONTROL CHECKED   | -----                          | -----                                  |
| TOPOGRAPHY TRANSFERED   | NONE                           | -----                                  |
| TOPOGRAPHY CHECKED  | -----                          | -----                                  |
| SMOOTH RADIAL LINE PLOT   | F.A.R.                         | -----                                  |
| RADIAL LINE PLOT CHECKED  | -----                          | -----                                  |
| DETAIL INKED  | F.A.R.                         | -----                                  |
| PRELIMINARY REVIEW OF SHEET   | -----                          | -----                                  |
| AREA OF DETAIL INKED <u>5</u> square Statute Miles                        |                                | (Land Area)                            |
| AREA OF DETAIL INKED <u><math>\frac{1}{2}</math></u> square Statute Miles |                                | (Shoals in Water Area)                 |
| LENGTH OF SHORELINE (more than 200 m. from nearest opposite shore)        |                                |  |
|   | <u>7.2</u>                     | Statute Miles                          |
| LENGTH OF SHORELINE (rivers and sloughs less than 200 m. wide)            |                                |  |
|   | <u>9.5</u>                     | Statute Miles                          |
| LENGTH OF STREETS, ROADS, TRAILS, RAILROADS, etc.                         | <u>NONE</u>                    | Statute Miles                          |
| GENERAL LOCATION  | <u>UNALASKA ISLAND, ALASKA</u> |  |
| LOCATION  | <u>INNER CHERNOFSKI HARBOR</u> |  |
| DATUM   | <u>Unalaska, 1901</u>          |  |
|   | Latitude                       | <u>53° 23' 42".199</u> <u>1304.6 m</u> |
| STATION   | Longitude                      | <u>167° 32' 04".765</u> <u>88.0 m</u>  |

*GTZ 2992*  
*compensated chart 9022*  
*cht 9196*

*unadjusted*



DESCRIPTIVE REPORT

to accompany

MAP DRAWING No. 2-CH

Wrong CS 137 M  
CS 138 M

CS 137 M T5730

Chernofski Harbor, Unalaska Island, Alaska

Season 1937

Project HT 176

U.S.C.&G.S.S. SURVEYOR

A. M. Sobieralski, Com'd'g.

EXTENT:

This sheet covers the inner portion of Chernofski Harbor including West Bight. 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 off shore. The dashed line indicates the edge of the reef or foul area.

Mailboat Cove

South of West Bight 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.

Cutter Point

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. CS 137 M CS 138 M
- (b) 1937 Aluminum Control Sheets, CI-37 and CJ-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 projector 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 sheet by means of stadia. As there was little interior detail most of the points selected were along the shore line. 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 BIGHT 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.

see  
approved  
list of  
geographic  
names

Respectfully submitted

Approved and Forwarded

*A. M. Sobieralski*  
A. M. SOBIERALSKI  
Commanding Officer  
U.S.C.&G.S.S. SURVEYOR

*Fred A. Riddell*  
FRED A. RIDDELL  
Jr. H.&G.E.

T 5730

|    | Remarks                   | Decisions        |
|----|---------------------------|------------------|
| 1  |                           | File No. 530 675 |
| 2  | Referred to USGB 5/26/39. | " 530 675 USGB   |
| 3  | " " "                     | " 530 675 "      |
| 4  | USGB decision             | " 530 675        |
| 5  |                           |                  |
| 6  |                           |                  |
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# GEOGRAPHIC NAMES

Survey No. T 5730

| Name on Survey                                  | A.<br>On Chart<br>No. 9/96 | B.<br>On previous survey<br>No. | C.<br>On U. S. quadrangle<br>Maps | D.<br>From local<br>information | E.<br>On local Maps | F.<br>P. O. Guide or Map | G.<br>Rand McNally Atlas | H.<br>U. S. Light List | K. |
|---|----------------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------|--------------------------|--------------------------|------------------------|----|
| <u>Chernofski Harbor</u>                        | ✓                          |                                 |                                   |                                 |                     |                          |                          |                        | 1  |
| <u>Mailboat Cove</u> ✓                          |                            |                                 |                                   |                                 |                     |                          |                          |                        | 2  |
| <u>Gutter Pt.</u> ✓                             |                            |                                 |                                   |                                 |                     |                          |                          |                        | 3  |
| <u>Unalaska I</u>                               | ✓                          |                                 |                                   |                                 |                     |                          |                          |                        | 4  |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 5  |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 6  |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 7  |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 8  |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 9  |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 10 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 11 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 12 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 13 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 14 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 15 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 16 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 17 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 18 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 19 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 20 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 21 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 22 |
| Names underlined in Red<br>app'd by GHE 5/26/39 |                            |                                 |                                   |                                 |                     |                          |                          |                        | 23 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 24 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 25 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 26 |
|   |                            |                                 |                                   |                                 |                     |                          |                          |                        | 27 |



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 buildings 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 correction 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.

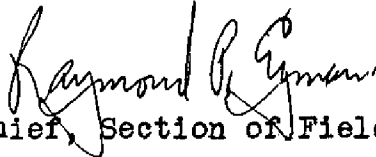
Examined and approved:



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



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.