
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey    Shoreline (Photogrammetric)
Field No.          Ph-92    Office No. T-11481

LOCALITY

Territory        Alaska
State:           Alaska Peninsula
General locality: Hotspiringa Bay
Locality         

1957

CHIEF OF PARTY
F. B. Quinn, Chief of Party
V. Ralph Sobieralski, Portland Photogrammetric Office

LIBRARY & ARCHIVES

DATE    APR 6  1961
DATA RECORD

Project No. (II): Pb-92

Field Office (II): Portland, Oregon

Chief of Party:

Photogrammetric Office (III): Officer-In-Charge: Fred Estalle

Instructions dated (III): 16 August 1954

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphite

Manuscript Scale (III): 1:200,000 (Approx.)

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III):

Date received in Washington Office (IV):

Data reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date: Dated registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): M.N. 1927

Vertical Datum (III):

Mean sea level except as follows:

Elevations shown on (25) refer to mean high water

Elevations shown on (26) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): On these two map manuscripts the triangulation stations

shown are not correlated to the compiled platemaps.

Lat.: Long.: Adjusted

Unadjusted

Plane Coordinates (IV):

State:

Zone:

\[ Y = \]

\[ X = \]

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.
FORM 181
(4.23.54)

DESCRIPTIVE REPORT - DATA RECORD

T - 11481

Project No. (II): Ph-92

Quadrangle Name (IV):

Field Office (II): C&GS PATHFINDER

Chief of Party: F. B. Quinn

Photogrammetric Office (III): Portland, Oregon

Officer-in-Charge: V. Ralph Sobieralski

Instructions dated (II) (III): 20 December 1954

Letter 731/rab, dated 31 October 1957 (Office)

Copy filed in Division of Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV):

Publication Scale (IV):

Geographic Datum (III): N.A. 1927

Publication date (IV):

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (2) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): EAST 1923

Lat.: 54° 53' 42.001" Long.: 163° 19' 11.764"

1298.8(556.6) meters Adjusted

209.7(859.7) meters Unadjusted

Plane Coordinates (IV):

State:

Zone:

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)
(I) (II) (III)
DATA RECORD

Field Inspection by (II): Name

Data:

Planetary contouring by (II): Name

Data:

Completion Surveys by (III):

Data:

Mean High Water Location (III) (State date and method of location): Delimited at photogrammetric office by stereoscopic examination of 1932 photographs.

Data:

Projection and Grids ruled by (IV):

Data:

Projection and Grids checked by (IV):

Data:

Control plotted by (III): J. B. Deal

Data: 10/23/34

Control checked by (III): D. E. Williams & G. C. Insta

Data: 10/22/34

Radial Plot checked: J. B. Harris & J. B. Deal (uncontrolled)

Data: 10/24/34

Planimetry

Data:

Stereoepic Instrument Compilation (III):

Data:

Contours

Data:

Manuscript delineated by (III): P-1143 (D. E. Williams)

Data: 10/18/34

P-1142 (G. C. Insta)

10/18/34

Photogrammetric Office Review by (III): J. B. Deal

Data: 10/21/34

Elevations on Manuscript

Data:

Checked by (II) (III):

Form T-Page 3

M-2010-12/14
Field Inspection by (II): E. W. Jeffers

Date: July 24-30, 1957

Planetable contouring by (II): None

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): Spot located on 1952 field photographs in July 1957. Transferred to office photographs by use of stereoscope and graphically compiled.

Date:

Projection and Grids ruled by (IV):

Date:

Projection and Grids checked by (IV):

Date:

Control plotted by (III): J. L. Harris

Date: November 1957

Control checked by (III): D. N. Williams

Date: November 1957

Radial Plot or Stereoscopic Control extension by (III): J. L. Harris

Date: November 1957

Stereoscopic Instrument compilation (III):

Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): C. C. Harris

Date: November 1957

Photogrammetric Office Review by (III): J. E. Deal

Date: 30 Nov. 1957

Elevations on Manuscript checked by (II) (III): None

Date:
PHOTOGRAPHS (III)

<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>37491 thru 37495</td>
<td>6/11/52</td>
<td>16:00</td>
<td>1:20,000</td>
<td>0.8 ft. below M.L.L.W.</td>
</tr>
<tr>
<td>38596 thru 38596</td>
<td>6/13/52</td>
<td>13:11</td>
<td>1:20,000</td>
<td>2.7 ft. above M.L.L.W.</td>
</tr>
</tbody>
</table>

Reference Station: Socoop Cove
Subordinate Station: Bochovin Bay

Washington Office Review by (IV):
Final Drafting by (IV):
Drafting verified for reproduction by (IV):
Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 28
Shoreline (More than 200 meters to opposite shore) (III): 32
Shoreline (Less than 200 meters to opposite shore) (III):
Control Leveling: Miles (III):
Number of Trangulation Stations searched for (III): Recovered: Identified:
Number of BMS searched for (II): Recovered: Identified:
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):

Remarks:
Camera (kind or source) (III):

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
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<td>37493</td>
<td>6/11/52</td>
<td>16:00</td>
<td>1:20,000</td>
<td>0.6 ft. Below H.L.L.W.</td>
</tr>
</tbody>
</table>

Tide (III)

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Diurnal Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.95</td>
<td>3.7</td>
<td>3.5</td>
</tr>
</tbody>
</table>

Reference Station: Sweeper Cove
Subordinate Station: Bechevin Bay
Subordinate Station:

Washington Office Review by (IV):

Final Drafting by (IV):
Pacnland Photos Office

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 74
Shoreline (More than 200 meters to opposite shore) (III): 28.0
Shoreline (Less than 200 meters to opposite shore) (III): None
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): 3
Number of BMs searched for (II): None
Number of Recoverable Photo Stations established (III): 1 *
Number of Temporary Photo Hydro Stations established (III):

Remarks:

* One object was located graphically as a landmark, namely:

WEST GABLE CHURCH 1957
SUMMARY
TO ACCOMPANY
SHORELINE MANUSCRIPTS
T-11478 thru T-11481

Subject manuscripts, four (4) shoreline surveys, represent the southern portion of project PH-92, which covers the west coast and offshore islands of the Alaska Peninsula in the State of Alaska between the lines of 54° 52' 30" and 55°. T-11478 thru T-11481 extend from the northwest part of Unimak Island eastward to Hornovoi Bay.

The project was assigned to and completed by the Portland Photogrammetric Office from instructions of April 1952 and supplements. Subject manuscripts were compiled between October 1954 and November 1957 from photography of June-August 1952 and field inspection during seasons of 1952 to 1957. Advance shoreline and control was made available in support of hydrographic surveys.

Croner film positives at the compilation scale of 1:20,000 and the Descriptive Reports will be registered and filed in the Bureau Archives.

June 1960
2. ATMOSPHERIC INDETERMINATION

For the instrumented area the atmosphere of Anchor Bay that is included in both 189.0° and 197.21.5° on the Pacific coast line in the central 10° of latitude, was studied.

The sounding data, which is generally well defined on the
northern half of the study area, was not. With some excep-
tions, the data indicated that the height above the high water line
and firm was to rise to the south as one moved further inland.

The terrain is over a smooth even rock surface, along
drainage, rock and scree on the higher slopes and cliffs.

No extensive water bodies were observed. However, frequent
trips were made shore to "catching stations" control points. The
low end of the east end of Anchor Bay was inspected except
from a distance of a mile or more. The low end of Hotspings
bay was found by skiff, with no other means to go east of the
several shallow water areas. The water bodies of these areas
should be considered more complex than the indicated.

To the lower end of the axis, and to the points from which launch
would be necessary, a number of soundings were made.

3. POSITION CONTROL

(1) The following are the least squares control points estab-
lished in 1956, and 1957:

<table>
<thead>
<tr>
<th>At VIII 1953</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Cable of Cable</td>
</tr>
<tr>
<td>approx. 0.5 miles</td>
</tr>
<tr>
<td>southern limit of</td>
</tr>
<tr>
<td>from the line VIII</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
(b) No datum adjustments were made.

(c) All available control was by U.S. Coast and Geodetic Survey.

(d) A list of control stations to be measured was not furnished with this survey. The following control was recovered:

<table>
<thead>
<tr>
<th>STATION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOY 1923</td>
<td>Direct, on field photo 37493.</td>
</tr>
<tr>
<td>DOY 1925</td>
<td>Not measured.</td>
</tr>
<tr>
<td>DOY 1926</td>
<td>Direct, on field photo 37492.</td>
</tr>
<tr>
<td>DOY 1927</td>
<td>Three repoints on field photo 37492.</td>
</tr>
<tr>
<td>DOY 1928</td>
<td>Direct, on field photo 37492.</td>
</tr>
<tr>
<td>DOY 1929</td>
<td>Direct, on field photo 37493.</td>
</tr>
<tr>
<td>DOY 1929</td>
<td>One repoint, on field photo 37493.</td>
</tr>
</tbody>
</table>
KSW 1925  Three subpoints, on field photo 37493.
*ISLAND 1924  Two subpoints, on field photo 38592.

NOTE: Cs.I. cards submitted.

(a) The stations searched for were those along the shoreline. These were deemed sufficient control and stations further inland were not visited. The identification of control points in the field was done on four days; July 24, 25, 28, and 30.

(f) Stations NOT and EAST were positively identified. Since the accuracy of identification of VIN was poor, the W. Cable of a Cabin about one half mile south along the shore from VIN was located by cairns, and pricked on field photo 38595 as supplemental control. Stations BAY and B.D have only a fair rating as to accuracy of identification. Stations N.E., N.W., and ISLAND had sufficient subpoints accurately identified to make them reliable control points.

4. VERTICAL CONTROL

No vertical control was established.

5. CONTOURS AND DRAINAGE

Not applicable.

6. WOODLAND COVER

None.

7. SHORELINE AND ALONGSHORE FEATURES

(a) The M.H.W. line is generally 3 meters from the S.H.W. line, and is quite evident on the photographs. The M.H.W. line was identified on field photos 37492, 37493, and 38595. The M.H.W. line is somewhat indeterminate in the east end of Hotspings Bay and Traders Cove.

(b) Hotspings Bay, Traders Cove, and the shoreline from VIN to NOT were inspected at low water, and M.L.W. line is depicted on field photos 37492, 37493, and 38595.

(c) The foreshore is quite rocky; the few better beaches composed of gravel and cobblestones, and most of the area is boulder lined. Where the shoreline forms a point, boulders extend offshore up to 40 meters.

(d) On the east side of the bay bluffs rise from the beach to heights varying from 15 to 50 feet, as far south as latitude
54° 55'. South of there a plain develops which extends from a rocky plateau to the beach. The east side of the bay is lined with low cliffs in the south changing to bluffs and then to plains as Traders Cove is entered.

Traders Head is steep sloping all around, with cliffs or small alluvial fans reaching the beach. Hotsprings Bay is mostly lined with bluffs with low plains at the eastern end.

(a) There are no cultural features in the area except for the native village of Morahovoi on the south shore of Traders Cove and a few unimportant cabins.

(f) There are no submarine cables in the area.

(g) There are no shoreline structures in the area.

8. OFFSHORE FEATURES

The rock shown on chart 8701 and noted on the preliminary manuscript 1141 was looked for at half tide, but not found. A rocky point does extend offshore in this region, however, and its extreme point was noted to be on range with BRD and the N. Cable of Cabin south of Station VIN.

In the vicinity of station EASY the offshore is characterized by rock ledges which are visible on photo 77492.

A reef was located in the entrance to Hotsprings Bay, north of station NE1, by the hydrographic party working in that area. The location of the reef, and shoreline features of Hotsprings Bay, may be seen on the hydrographic survey numbered PF-2157.

The mean low water line was located with fair accuracy in Traders Cove, Hotsprings Bay, and on the west shore of Beebevin Bay from VIN to NE1.

9. LANDMARKS AND AIDS

(a) The church in the village of Morahovoi, shown on chart 8701, is the only landmark in the area. Sextant cuts were taken on the W. Cable of the Church as follows:
(b) Interior landmarks consist of mountain peaks.
(c) No aeromagnetic aids exist in the area.
(d) No fixed aids to navigation exist in the area.
(e) No floating aids to navigation exist in the area.

10. **BOUNDARIES, MONUMENTS AND LINES**

   Not applicable.

11. **OTHER CONTROL**

   No marked stations were established.

   One cabin at the east end of Hot Springs Bay was not possible to locate from the control available.

12. **OTHER INTERIOR FEATURES**

   There are no cultural features other than those previously mentioned. The natural features are all evident on the photographs.

13. **TOPOGRAPHIC NAMES**

   No investigation was made.

14. **SPECIAL REPORTS AND SUPPLEMENTAL DATA**

   None.
Respectfully submitted,

J. William Jeffers
RNS, CMS

Approved and forwarded:

F. D. Quinn
Captain, CMS
Command, Ship PATRIOT
PHOTOGRAMMETRIC PLOT REPORT

Map Manuscripts T-11480 and T-11481

Project Ph-92

21. Area Covered:

This radial plot covers an area along the Alaska Peninsula in the vicinity of Beebevin Bay and Morzhovoi Bay. It comprises Map Manuscripts T-11480 and T-11481. The previously radially plotted advance manuscripts T-11478 and T-11479 were included in this radial plot in order to assure satisfactory control extension junctions to the north. There are no contemporary advance manuscripts to the east, west and south.

22. Methods:

Horizontal control stations identified during the 1957 Alaska field season were plotted on the projections for T-11480 and T-11481 on which preliminary shoreline had been previously compiled. These were then joined together with advance manuscripts T-11478 and T-11479. The templet was oriented to the horizontal control stations directly on the four joined manuscripts. Master Templet No. 36260 was used to correct the photographs for paper distortion and transforming errors. A satisfactory radial plot was completed and excellent resections of radicals of photogrammetric points were obtained. These points were circled on the reverse side of the manuscripts with red plastic ink.

23. Adequacy of Control:

The horizontal control identification for the area of this radial plot was satisfactory. The 1957 identifications for triangulation stations, BED 1923, and ISLAND 1926 could not be held with other control stations in the area. BED 1923 was disregarded but ISLAND 1926 was held to the 1952 direct identification of the station which is shown on a hand held photographs. Other station identifications which were slightly in doubt were VIN 1923, NOT 1925, NEM 1925 and EASH 1923. These were held on most photographs but because the photography was made in 1952 it was difficult to transfer the 1957 identification to some of the photographs. In no case were the radial lines held off more than tangent to the plotted positions. The sub-stations for NEM 1925 could not be used because no angles were given on the identification card. The station was identified directly on the photographs by the arc method using the distances given to the three sub-stations. Scale factors were not furnished for this identification.
Supplemental Data:

None.

Photography:

The photography was adequate as to coverage except for a small area in T-11480 along the west shoreline of Bechevin Bay south of station NOT 1924, where only slim angle resections of radials to pass points were obtained. Definition of the photography was poor.

Approved:

Respectfully submitted:

V. Ralph Sobieralski
Lcdr, C&G, Survey
Officer-in-Charge

J. Edward Deal
Cartographer
C&GS
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS, FORWARD (BACK)</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS, FORWARD (BACK)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAY, 1925</td>
<td>V 720</td>
<td>54 55</td>
<td>06.880</td>
<td>219.6 (164.6)</td>
<td>410.7 (658.1)</td>
</tr>
<tr>
<td>TRADER, 1923</td>
<td>V 714</td>
<td>54 55</td>
<td>49.111</td>
<td>1519.6 (335.8)</td>
<td>527.2 (541.3)</td>
</tr>
<tr>
<td>EASY, 1923</td>
<td>V 714</td>
<td>54 53</td>
<td>42.001</td>
<td>1298.8 (556.6)</td>
<td>209.7 (859.7)</td>
</tr>
<tr>
<td>WET, 1923</td>
<td>V 729</td>
<td>54 53</td>
<td>16.116</td>
<td>498.4 (1357.0)</td>
<td>852.5 (217.0)</td>
</tr>
<tr>
<td>PEAK, W of 3, 1941</td>
<td>V 721</td>
<td>54 57</td>
<td>39.57</td>
<td>1223.6 (631.8)</td>
<td>408.7 (658.9)</td>
</tr>
<tr>
<td>PEAK, C of 3, 1941</td>
<td>V 721</td>
<td>54 58</td>
<td>32.586</td>
<td>1007.6 (847.8)</td>
<td>65.5 (1003.7)</td>
</tr>
<tr>
<td>PEAK, E of 3, 1941</td>
<td>V 721</td>
<td>54 59</td>
<td>25.585</td>
<td>791.2 (1064.2)</td>
<td>269.2 (803.6)</td>
</tr>
<tr>
<td>LARGE, 1923</td>
<td>V 730</td>
<td>54 59</td>
<td>21.212</td>
<td>655.9 (1199.4)</td>
<td>533.7 (533.2)</td>
</tr>
<tr>
<td>BED, 1923</td>
<td>V 730</td>
<td>54 59</td>
<td>57.585</td>
<td>1780.8 (74.7)</td>
<td>61.1 (1005.5)</td>
</tr>
<tr>
<td>KEN, 1923</td>
<td>V 728</td>
<td>54 56</td>
<td>47.936</td>
<td>1482.3 (373.1)</td>
<td>1020.1 (47.9)</td>
</tr>
<tr>
<td>SPIT, 1923</td>
<td>V 728</td>
<td>54 56</td>
<td>19.999</td>
<td>617.8 (1237.6)</td>
<td>962.0 (105.3)</td>
</tr>
<tr>
<td>BON, 1923</td>
<td>V 728</td>
<td>54 58</td>
<td>53.162</td>
<td>164.3 (211.5)</td>
<td>0.2 (1066.9)</td>
</tr>
</tbody>
</table>

1 FT = 0.0480386 METER

COMPUTED BY: J.L.H.  DATE: 10/18/54  CHECKED BY: F.N.  DATE: 10/20/54

SCALE OF MAP 1:20,000  SCALE FACTOR None
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLIDE 2, 1925</td>
<td>V 729</td>
<td>54 55</td>
<td>37.255</td>
<td>1152.0 (703.3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1927</td>
<td>163 03</td>
<td>700.2 (368.4)</td>
</tr>
</tbody>
</table>
COMPILATION REPORT

Preliminary Map Manuscripts No'd. T-11470 and T-11481

21. Delineation:

The same conditions described in the Descriptive Report for T-11470 are applicable to these two map manuscripts except that there was no field inspection at any place in the area.

32 thru 48.

These items are the same as described in the Descriptive Report for T-11470.

Approved and forwarded:             Respectfully submitted:

Fred Natella                               J. Edward Deal, Jr.
Comdr., USCG&GS                             Cartographer
Officer-in-Charge                          USC&GS


COMPILATION REPORT
Advance Map Manuscript T-11481
Project Ph-92

31 thru 35

Compilation of T-11481 is exactly as described for T-11480. Refer to the Compilation Report for T-11480 for Items 31 thru 35.

36 Offshore Details:

Two rocks on which data on baring was not furnished and a small reef area are shown.

37 Landmarks and Aides:

Form 567 is submitted by the Photogrammetric Office for one landmark as follows:

WEST GABLE CHURCH 1957

38 Control for Future Surveys:

The landmark mentioned in the previous paragraph is suitable for control for future hydrographic surveys. It is listed in Paragraph 49 "Notes to the Hydrographer."

39 Junctions:

Satisfactory junctions were made on the north with T-11479 and on the west with T-11480. It was necessary to make a very minor shoreline change in advance manuscript T-11479 at the south limits of the west shoreline of Morzhovoi Bay. There are no contemporary surveys to the south and east.
40 Horizontal and Vertical Accuracy:

There are no areas of sub-normal horizontal accuracy.

46 Comparison with Existing Maps:

The preliminary map manuscript for T-11481 was completely recompiled and all shoreline and other planimetry has been relocated.

There were no other existing maps available for comparison purposes.

47 Comparison with Nautical Charts:

Comparison was made with nautical chart No. 8701, Scale, 1:80,660, edition of Feb. 1943, last corrected 3/17/52.

Items to be applied to nautical charts immediately

None.

Items to be carried forward.

None.

Approved: Respectfully submitted:

V. Ralph Sobieralski J. Edward Deal
LCOR C&G Survey Cartographer
Officer-in-Charge C&GS
GEOGRAPHIC NAMES LIST

*Alaska Peninsula

*Bechevin Bay
Boulder Point

Hotsrings Bay

Isanots'ki Islands

*Morzhovdi

Traders Cove
Traders Head
Traders Mountain

* R.G.N. Decision

George R. Bacc
GEOGRAPHIC NAMES SECTION
12 MARCH 1950
49 Notes to the Hydrographer:

One recoverable topographic station was located graphically.

It is:

WEST GABLE CHURCH 1957
62. Comparison with Registered Topographic Surveys

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Year</th>
</tr>
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<tbody>
<tr>
<td>T-4028</td>
<td>1:10,000</td>
<td>1923</td>
</tr>
<tr>
<td>T-4046</td>
<td>1:20,000</td>
<td>1923</td>
</tr>
<tr>
<td>T-4078</td>
<td>1:10,000</td>
<td>1924</td>
</tr>
<tr>
<td>T-4118</td>
<td>1:10,000</td>
<td>1925</td>
</tr>
<tr>
<td>T-8536</td>
<td>1:20,000</td>
<td>1943</td>
</tr>
</tbody>
</table>

Minor differences exist between these surveys. They are not in excess of normal expectations of time interval. Subject surveys are to supersede above-listed topographic surveys of identical areas for nautical charting purposes.

63. Comparison with Maps of Other Agencies

<table>
<thead>
<tr>
<th>Location</th>
<th>Scale</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fort Randall, Alaska</td>
<td>1:250,000</td>
<td>1950</td>
</tr>
<tr>
<td>False Pass, Alaska</td>
<td>1:250,000</td>
<td>1950</td>
</tr>
</tbody>
</table>

U.S. Geological Survey

These topographic maps were compiled from plane-table surveys of 1929 and aerial photography of 1942 and 1943. Some differences exist between these surveys.

64. Comparison with Contemporary Hydrographic Surveys

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-8373</td>
<td>1:20,000</td>
<td>1957</td>
</tr>
<tr>
<td>H-8374</td>
<td>1:20,000</td>
<td>1957</td>
</tr>
<tr>
<td>H-8375</td>
<td>1:20,000</td>
<td>1957</td>
</tr>
</tbody>
</table>

The shoreline has not been added to H-8374. The hydrographic information shown does interfere slightly in 2 places with the corresponding shoreline as shown on the T-sheet. However, the shoreline involved is on a sandspit of shifting sand dunes, where even greater deviations may be expected. Other than this, there is good agreement between these surveys.
65. Comparison with Nautical Charts

8860  1:300,000  Revised to 10/19/59
8862  1:1,023,168  Revised to 12/21/59

There is good agreement.

66. Adequacy of Results and Future Surveys

Of the four (4) subject surveys T-11478 and T-11479 were partially field edited by the hydrographic party in 1957, which resulted in several revisions to be applied to the affected T-sheets.

T-11478 thru T-11481 were completed according to project instructions and no deficiencies in accuracy or adequacy are indicated.

Reviewed by:

Josef J. Streifler

Josef J. Streifler

LC Lande  TH Waugh
Chief, Review & Drafting Sec. Chief, Nautical Chart Branch
Photogrammetry Division Charts Division 5/18/61

[Signatures]

Chief, Photogrammetry Division  30 March 1961

[Signatures]

Chief, Coastal Survey Division
Assistant Director for Oceanography
# Nautical Charts Branch

**Survey No.** T-11481

**Record of Application to Charts**

<table>
<thead>
<tr>
<th>Date</th>
<th>Chart</th>
<th>Cartographer</th>
<th>Remarks</th>
</tr>
</thead>
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<td>Verification and Review</td>
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</table>

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.