

11334

Diag. Cht. No. 8863-2.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. Ph-34(48) Office No. T-11334

LOCALITY

State Alaska

General locality Andreanof Islands

Locality Cape Yakak, Adak Island

1953-55

CHIEF OF PARTY

S.B.Grenell, Chief of Field Party

L.W.Swanson, Div. of Photo. Wash., D.C.

LIBRARY & ARCHIVES

DATE July 24, 1958

B-1870-1 (1)

11334

Appld to chert 16467 Joseph Robinson 12/30/92

DATA RECORD

T - 11334

Project No. (II): 7-6034
PH-34 (48)

Quadrangle Name (IV): Cape Yakak, Adak I.

Field Office (II): Ship EXPLORER

Chief of Party: S. B. Grenell

Photogrammetric Office (III): Washington, D. C. Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III):

Supplemental Instructions dated 19 March 1952
20 Feb. 1953
23 Dec. 1953

Copy filed in Division of
Photogrammetry (IV)

Office Files
731-mkl

Compilation Instructions 10 November 1954
31 October 1955

Method of Compilation (III): READING PLOTTER

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):
1:20,000

Scale Factor (III): 1.0

Date received in Washington Office (IV): 3-23-56 Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 5/7/58

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

Reference Station (III): YAKA, 1954

Lat.: 51° 36' 14.647"
452.7 (1401.6)m.

Long.: 176° 56' 46.374"
892.5 (262.2)m.

Adjusted X
Unadjusted

Plane Coordinates (IV):

State:

Zone:

Y=

X=

U.T.M. Grid - Zone 1

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.

W. Heinbaugh

Areas contoured by various personnel
(Show name within area)
(II) (III)

DATA RECORD

Field Inspection by (II):

Shoreline inspection by: H. G. Conerly)
C. W. Clark)
J. D. Walker)

Date:

1954 Season
SURVEYOR

Planetable contouring by (II):

S. L. Hollis

Date:

1955 Season
EXPLORER

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

Field inspection - 1954 and 1955
Date of photography September 25, 1953

Projection and Grids ruled by (IV): Austin Riley

Date: 10-19-54

Projection and Grids checked by (IV): Austin Riley

Date: 10-19-54

Control plotted by (III): J. P. Battley, Jr.

Date: 12-12-54

Control checked by (III): Roscoe J. French

Date: 12-12-54

Radial Plot or Stereoscopic

Control extension by (III): Roscoe J. French

Date:

12-15-54

Planimetry
Stereoscopic Instrument compilation (III): W. Heinbaugh
Contours

Date:

2-17-55

Date:

Manuscript delineated by (III): K. N. Maki
W. Heinbaugh

Date: 12-16-55
1-20-56

Photogrammetric Office Review by (III): L. Levin

Date: 1-23-55

Elevations on Manuscript
checked by (II) (III):

Date:

Camera (kind or source) (III):

9 Lens USC&GS

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
42145		2:22	1:20,000	2' above MHW
42146		2:23	"	"
42148		2:24	"	"

Tide (III)

*Reference Station: Sweeper Cove, Adak, Alaska
Subordinate Station: Kanaga Bay, Kanaga Island
Subordinate Station: *Bay of Waterfalls

Ratio of Ranges	Mean Range	Diurnal Spring
		Range
.9	~	3.7
1.1		3.9

Washington Office Review by (IV):

Date:

Final Drafting by (IV): *R. Kelly*

Date: 7-10-56

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

Date: 9-13-56

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III):

5

Shoreline (More than 200 meters to opposite shore) (III):

12

Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): **2

Recovered: 2

Identified: 2

Number of BMs searched for (II): --

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 17

Remarks:

*Sweeper Cove

Time
Difference

Ratio of
Ranges

Bay of Waterfalls
(Tide data from Division of
Tides and Currents - Mr. Wilcox -
21 November 1955)

-1:40

0.95

**Refer to Photogrammetric Plot Report

Photogrammetric Plot Report for T-11324,
T-11325, T-11329, T-11330 and T-11334 is included
in the descriptive report for T-11324.

MAP T. 11334

PROJECT NO. Ph-34

SCALE OF MAP
1:20,000

SCALE FACTOR 1.00

[illegible]

1 FT. = 3048006 METER checked
COMPUTED BY: K. N. Maki

DATE January, 1955

CHECKED BY: DDG

DATE..

24 January 1956

M - 2388-12

Compilation Report T-11334

31. DELINEATION:

Shoreline and foreshore features were delineated on the map manuscript by graphic methods. Field inspection was available for this survey.

A section of vinylite work sheet material was superimposed over the photograph having the most nearly true map scale and clarity of image detail and the shoreline was traced while being observed as a stereoscopic view. A prior nine-lens stereo instrument preliminary shoreline delineation, without benefit of field inspection, was available. Any conflicts or discrepancies between the two shorelines were resolved satisfactorily.

The contours drainage and planimetry were compiled on the 9-lens Reading Plotters at the same time that the preliminary shoreline was delineated. No interior field inspection was available; consequently, all trails and buildings were delineated from photo interpretation. The topography and planimetry were inked onto the final shoreline manuscript.

32. CONTROL:

Horizontal control was adequate. Refer to the Photogrammetric Plot Report included in the descriptive report for T-11324. Sea level was used exclusively for the orientation of the stereo models.

33. SUPPLEMENTAL DATA:

No supplemental material from other sources has been incorporated into this map.

34. CONTOURS AND DRAINAGE:

No unusual difficulty was encountered in delineating the contours and drainage.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline inspection was generally adequate. Extensive shadow areas covering shoreline were delineated in the field but many of the smaller areas of shadow covered shoreline were left undefined by field inspection. Such areas were either left as indefinite shoreline or resolved by stereoscopic inspection.

36. OFFSHORE DETAIL:

No unusual problems were encountered in compiling offshore detail. Field inspection of offshore rocks, foul areas, etc. was adequate.

37. LANDMARKS AND AIDS:

Form 567 for Cape Yakak Lt. is included with this report.

38. CONTROL FOR FUTURE SURVEYS:

There are no recoverable topographic stations.

Refer to Item 49 for list of photo-hydro stations.

39. JUNCTIONS:

Junction has been made with survey T-11329 to the north. The east, west and south neat lines are in water area.

40. HORIZONTAL AND VERTICAL ACCURACY:

Refer to the Photogrammetric Plot Report.

46. COMPARISON WITH EXISTING MAPS:

The map has been compared with the following maps and supersede them in all respects in their common area:

T-6941 1:40,000 1933 (Sheet No. 12)
T-6942 -- 1933 (H.O. No. 305610-154)
Adak, Alaska, 1:250,000 scale USGS reconnaissance map, 1951.

47. COMPARISON WITH NAUTICAL CHARTS:


9193 1:120,000 corrected to 7/5/54

The shoreline is complete and adequate to supersede that shown on the nautical charts. Subsequent addition of contours and interior planimetry will make this map fully complete for purpose of chart construction. Refer to item 31


"Items to be applied to Nautical Charts immediately" - None
"Items to be carried forward" - None

Approved:

Submitted:



Charles Theurer
Supervisory Photogrammetric
Engineer



K. N. Maki
Supervisory Cartographer

48. GEOGRAPHIC NAME LIST

ADAK ISLAND
CAPE YAKAK
BAY OF WATERFALLS
PACIFIC OCEAN

For title: Alaska
Aleutian Islands
Third Judicial Division

49. NOTES FOR THE HYDROGRAPHER:

Following is the list of photo-hydro stations on
T-11334 located by photogrammetric methods:

Arc	Ina	Uno
Bun	Jud	Vex
Dev	Pax	Wan
Fry	Rit	Yes
Gun	Sky	Zag
Has	Tod	

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Washington, D. C. 24 January 1956

I recommend that the following objects which have *(have-not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted-from)* the charts indicated.

The positions given have been checked after listing by Everett H. Ramey

K. N. Maki *K. N. Maki*

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

REVIEW REPORT
Topographic Map T-11334
23 March 1956

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-6941, 1:40,000 1933 (USN)
T-6942, Rec. (USN) 1933

For the area it encompasses, T-11334 supersedes these prior surveys for nautical charting purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Adak Island (No. 7 of 10) (AMS). 1:25,000
1943.

There are differences in alongshore features. There is a difference in datum of several hundred meters.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Blueprints 51871-72 (boat sheets) 1:20,000
1954
H 8238 (boat sheet) 1:20,000, 1955

All discrepancies were reconciled.

65. COMPARISON WITH NAUTICAL CHARTS

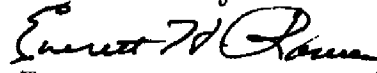
9193 corrected to 54 - 7/5

Differences in alongshore features exist.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey is adequate for Bureau requirements. No significant deficiencies in accuracy and adequacy were apparent.

Submitted by


Everett H. Ramey

Approved by

H. C. Lande
Chief, Review and Drafting Section

Max Shults
Chief, Nautical Chart
Division

W. B. Burr
Chief, Photogrammetry Division

W. B. Burr
Chief, Coastal Surveys
Division

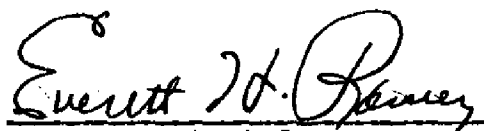
History of Hydrographic Information for
Map T-11334

Hydrography was added to the map manuscript in accordance
with AMS Technical Instruction No. 45-14 dated 24 April 1950.

Curves and soundings are in fathoms at mean lower low water
datum and originate with the following C&GS surveys:

H-6882	1:40000	1933
H-6899	1:60000	1934
H-8140	1:40000	1954
H-8238 (boat sheets)	1:20000	1955
BP 51871-72 (boat sheets)	1:20000	1954

Hydrography was compiled by Everett H. Ramey on 26 January
1956 and verified by O. Svendsen on 30 January 1956.


Everett H. Ramey