

Original

T- 12329

T- 12329

FORM C&GS-504	
U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline (Photogrammetric)
Field No. Class 1	Office No. T-12329
(* See page 14)	
LOCALITY	
State	Alaska
General locality	Kamishak Bay, Cook Inlet
Locality	Big Hill
1967-1971	
CHIEF OF PARTY	
J. Bull, RADM, Director, Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T-12329

PROJECT NO. (II):

PH-6301

FIELD OFFICE (II):

None

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center, Norfolk, Va.

OFFICER-IN-CHARGE

J. Bull, RADM, Director

INSTRUCTIONS DATED (II) (III):

OFFICE March 18, 1965
OFFICE February 10, 1966
OFFICE May 5, 1967
OFFICE December 27, 1967

Part I
Supplement I
Supplement II
Supplement III

METHOD OF COMPILATION (III):

Wild B-8 Plotter

MANUSCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:10,000 pantographed to 1:20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

~~MEAN LOWER LOW WATER~~ MHW
EXCEPT AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e. ~~MEAN LOWER LOW WATER~~ mean lower low water

REFERENCE STATION (III):

CONTACT, 1964 ✓

LAT.:

LONG.:

59° 21' 29.3755" (909.0m) ✓

153° 57' 02.7503" (43.5m) ✓

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

1,957,349.40 ft. ✓

x =

509,187.12 ft. ✓

Alaska ✓

5 ✓

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.

DESCRIPTIVE REPORT - DATA RECORD

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FIELD INSPECTION BY (II):

DATE:

None

MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):

Air Photo Compilation

Date of Photography: July 1967

PROJECTION AND GRIDS RULED BY (IV):

DATE

A. Bethea

Oct. 23, 1967

PROJECTION AND GRIDS CHECKED BY (IV):

DATE

L. F. Van Scoy

Oct. 24, 1967

CONTROL PLOTTED BY (III):

DATE

B. Barge

Nov. 20, 1967

CONTROL CHECKED BY (III):

DATE

L. O. Neterer, Jr.

Nov. 20, 1967

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):

DATE

P. Dempsey

Nov. 1967

STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY

DATE

A. L. Shands

Dec. 10, 1967

CONTOURS

DATE

MANUSCRIPT DELINEATED BY (III):

DATE

A. L. Shands

Dec. 12, 1967

SCRIBING BY (III):

DATE

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):

DATE

R. E. Smith

Feb. 29, 1968

REMARKS:

Field edit in 1971 on T-13274, T-13276 1:10,000 scale

DESCRIPTIVE REPORT - DATA RECORD

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CAMERA (KIND OR SOURCE) (III):

USC&GS Type "M"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
67-M-863 & 864	07/09/67	0929	1:60,000	2.2' below MLLW

PREDICTED TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Seldovia, Alaska		15.4	17.8
SUBORDINATE STATION: Iliamna Bay		12.3	14.5
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

J. B. Phillips

DATE:

April 1976

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF BM(S) SEARCHED FOR (II):

0

RECOVERED:

0

IDENTIFIED:

0

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

SUMMARY

T-12329 is one of 40 shoreline maps comprising Job PH-6301 (Part 1) compiled for use in contemporary hydrographic survey and nautical charting operations.

Field work, prior to compilation, consisted of the recovery and identification of horizontal control.

Compilation was by Wild B-8 stereoplotter, using 1:30,000 scale color photography. Cronaflex positives and ozalids of the manuscript were forwarded for the use of the field editor and the preparation of the hydrographer's boat sheets. Accompanying these were specially prepared ratio photographs to aid in the location of hydrographic signals.

Final edit was accomplished during 1971

Final review was accomplished at the Rockville Office in April 1976 *

A cronaflex positive copy of the map and a Descriptive Report will be registered in the NOS Archives.

* refer to page 14

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COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area for Hydro	December 1967	Superseded
Shoreline revised from reduction of 1:10,000 scale compilation	June 1968	Superseded
Field edit applied, Compilation complete	Nov. 1972	

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FIELD INSPECTION REPORT
Project PH-6301
T-12329

There was no Field Inspection prior to Compilation.

(8)

PHOTOGRAMMETRIC PLOT REPORT
Job PH-6301
Kamishak Bay, Alaska

January 22, 1968

21. Area Covered

This report covers the northern part of Kamishak Bay, Alaska, consisting of thirteen (13) 1:20,000 scale map manuscripts -- T-12315 thru T-12319, T-12326 thru T-12331, T-12334 and T-12335, and six (6) 1:10,000 scale map manuscripts -- T-12320 thru T-12325.

22. Method

Analytic aerotriangulation methods were used to bridge strips 1, 2 and 3 at 1:60,000 scale using premarked and field identified control. Numerous tie points were located to control strips 41, 42 and 43, which were bridged by stereoplanigraph.

The attached sketch of strips bridged shows the placement of triangulation used in the final strip adjustments. Closures to control are shown on the IBM readouts along with all the bridge points.

23. Adequacy of Control

Horizontal control was adequate for bridging strips 1, 2 and 3. Strips 41, 42 and 43 were bridged using tie points and are adequate. The premarked paneling at Station OIL, 1913 was removed prior to photography and could not be identified. Station TENDER, 1967 fell off of model and was not used. SKIN, 1967, Subpoint A and Subpoint B, were too poor to read and were not used in the adjustment.

24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

The definition and quality of the RC-9 and RC-8 photography were good. Ratio prints have been ordered to compilation scale.

Submitted by:

P. J. Dempsey
P. J. Dempsey

Approved and forwarded:

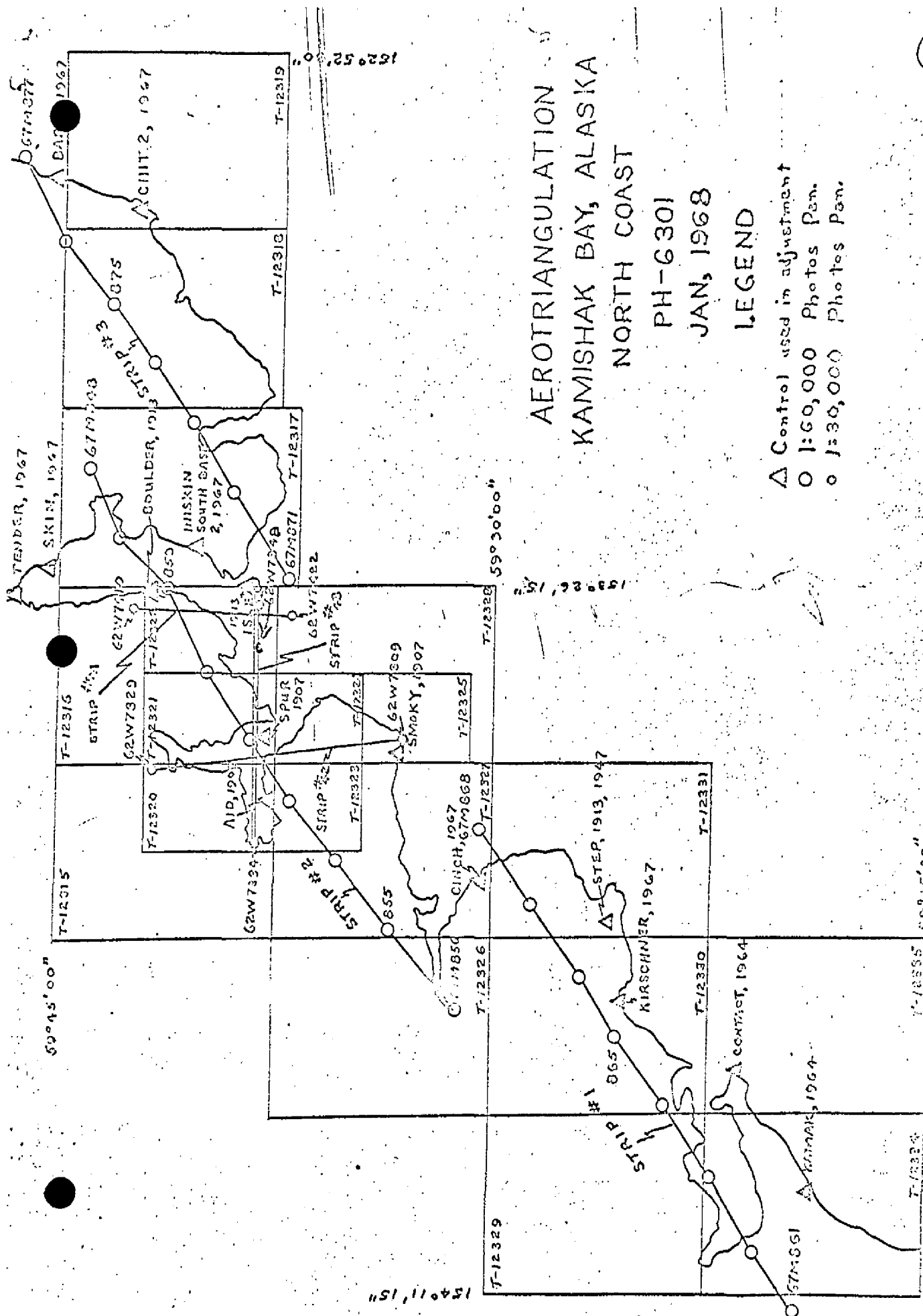
H. P. Eichert
H. P. Eichert, Chief
Aerotriangulation Section

AEROTRIANGULATION KAMISHAK BAY, ALASKA NORTH COAST

PH-6301
JAN, 1968

LEGEND

- △ Control used in adjustment
- 1:60,000 Photos Pan.
- 1:30,000 Photos Pan.



COMPILATION REPORT
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31. DELINEATION:

The Wild B-8 was used. See item 41.

Photography was adequate.

There was no field inspection.

32. CONTROL:

See Preliminary Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

There was no shoreline inspection.

The mean lower low water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

None

38. CONTROL FOR FUTURE SURVEYS:

None

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41. REVISION OF ITEM 31:

The area of this map south of latitude $59^{\circ} 26' 15''$ and east of longitude $154^{\circ} 05' 37.5''$ was compiled in May 1968 at 1:10,000 scale as T-13274. The area west of Longitude $154^{\circ} 05' 37.5''$ and south of latitude $59^{\circ} 23' 00''$ was compiled similarly as a portion of T-13276. These 1:10,000 maps were photographically reduced to 1:20,000 and T-12329 was revised to agree with them. Refer to the reports for T-13274 and T-13276.

39. JUNCTIONS:

Junctions are in agreement with T-12334 to the south and T-12330 to the east. There are no contemporary surveys to the north and west.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison has been made with USC&GS Quadrangle ILIAMNA (B-3), Alaska; scale 1:63,360, dated 1954.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison has been made with USGS Chart No. 8554, scale 1:200,000, 9th edition, dated May 10, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Approved by:

J. Bull, RADM, USESSA
Director, Atlantic Marine Center

Submitted by:

A. L. Shands

A. L. Shands
Cartographic Technician

Feb. 1968

PHOTOGRAMMETRIC OFFICE REVIEW

T- 12329

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1. PROJECTION AND GRIDS RES	2. TITLE RES	3. MANUSCRIPT NUMBERS RES	4. MANUSCRIPT SIZE RES
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY X	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS X	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT Bridge (W.O.)	11. DETAIL POINTS Wild B-8
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RES	13. LOW-WATER LINE RES	14. ROCKS, SHOALS, ETC. RES	15. BRIDGES X
16. AIDS TO NAVIGATION X	17. LANDMARKS X	18. OTHER ALONGSHORE PHYSICAL FEATURES RES	19. OTHER ALONGSHORE CULTURAL FEATURES X
PHYSICAL FEATURES			
20. WATER FEATURES RES	21. NATURAL GROUND COVER RES		22. PLANETABLE CONTOURS X
23. STEREOSCOPIC INSTRUMENT CONTOURS X	24. CONTOURS IN GENERAL X	25. SPOT ELEVATIONS X	26. OTHER PHYSICAL FEATURES RES
CULTURAL FEATURES			
27. ROADS X	28. BUILDINGS X	29. RAILROADS X	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES X		32. PUBLIC LAND LINES X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RES		34. JUNCTIONS RES	35. LEGIBILITY OF THE MANUSCRIPT RES
36. DISCREPANCY OVERLAY X	37. DESCRIPTIVE REPORT RES	38. FIELD INSPECTION PHOTOGRAPHS X	39. FORMS RES
40. REVIEWER <i>R. E. Smith</i> R. E. Smith		SUPERVISOR, REVIEW SECTION OR UNIT A. C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER C. Parker		SUPERVISOR A. C. Rauck, Jr.	
Reviewer: C. Blood		Nov. 21, 1972	
43. REMARKS <i>Field edit applied from: Field edit done on 1:19,000 scale Manuscripts, T-13274 and T-13276, Field edit 02241d, Field edit report and photograph 62W 7185</i>			

Review Report T-12329 * See note below
Shoreline Survey
April 1976

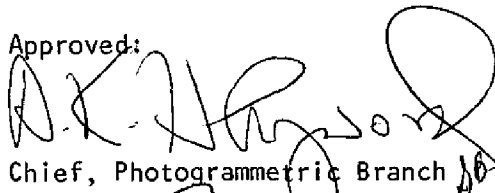
This 1:20,000 scale manuscript is covered by the 1:10,000 scale manuscripts T-13274 and T-13276. Refer to these maps and the Descriptive Report for each for detailed comments pertinent to the compilation and photogrammetric review of this area.

Submitted by,

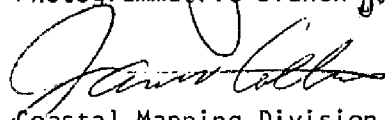


J. B. Phillips

Approved:



Chief, Photogrammetric Branch



Chief, Coastal Mapping Division

* THE 1:10,000 SCALE MAPS WERE USED IN HYDRO SURVEY OPERATIONS, THEREFORE, AN EXAMINATION OF FORMAT INFORMATION ONLY WAS MADE PRIOR TO REGISTRY, AS A CLASS I MAP. *J. Blandin*

May 26, 1967

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6301 (Cook Inlet, Alaska)

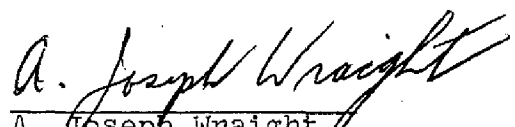
T-12329

Big Hill

Bruin Bay

Kahonak Lake

Approved by:


A. Joseph Wraight
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician