

Original

T- 12336

T- 12336

FORM C&GS-504	
U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>Shoreline (Photogrammetric)</u>	
Field No. <u>Class 1</u> <u>(refer to page 18)</u>	Office No. <u>T-12336</u>
LOCALITY	
State <u>Alaska</u>	
General locality <u>Kamishak Bay, Cook Inlet</u>	
Locality <u>Mc Neil Cove</u>	
<u>1962 - 1968</u>	
CHIEF OF PARTY	
<u>J. Bull. RADM, Director, Atlantic Marine Center</u>	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 12336

PROJECT NO. (II):		
PH-6301		
FIELD OFFICE (III):		CHIEF OF PARTY
None		
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHARGE
Atlantic Marine Center, Norfolk, Virginia		J. Bull, RADM, USESSA, Director
INSTRUCTIONS DATED (II) (III):		
Office March 18, 1965 Part I Office February 10, 1966 Supplement I Office, May 5, 1967, Supplement II Office, Dec. 27, 1967, Supplement III Office, April 2, 1968, Supplement IV Office, April 9, 1968, Supplement V		
METHOD OF COMPILATION (III):		
Wild B-8		
USCRIPT SCALE (III):		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:20,000		1:8,333 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):		VERTICAL DATUM (III): MHW
N. A. 1927		XXXXXXXXXX EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., XXXXXXXXXX mean lower low water
REFERENCE STATION (III):		
PAINT, 1964		
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
59° 09' 29.4662"(911.8M)	154° 13' 06.8530"(108.9M)	
PLANE COORDINATES (IV):		STATE
= 1,884,331.62 ft. x = 458,976.66 ft.		Alaska
		ZONE
		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

T-12336

FIELD INSPECTION BY (III):

None

DATE:

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

Air Photo Compilation, Date of Photography - June 18, 1962

PROJECTION AND GRIDS RULED BY (IV):

A. E. Roundtree

DATE

2-8-66

PROJECTION AND GRIDS CHECKED BY (IV):

R. C. Westphall

DATE

2-9-66

CONTROL PLOTTED BY (III):

K. G. Boyle

DATE

6-3-66

CONTROL CHECKED BY (III):

A. L. Shands

DATE

6-3-66

RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):

G. M. Ball

DATE

May 1966

STEREOSCOPIC INSTRUMENT COMPILATION (III):

PLANIMETRY

DATE

K. G. Boyle

July 1966

CONTOURS

DATE

Wild B-8

Inapplicable

MANUSCRIPT DELINEATED BY (III):

DATE

K. G. Boyle

July 1966

SCRIBING BY (III):

DATE

PHOTOGRAMMETRIC OFFICE REVIEW BY (III):

DATE

C. Bishop

July 1966

REMARKS:

Field edit was done on the 1:10,000 scale manuscript T-13280
by W. R. Cameron in August 1968

DESCRIPTIVE REPORT - DATA RECORD

T-12336

CAMERA (KIND OR SOURCE) (III):

C&GS "M" and "W" Cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
62 M 1832 and 1835	18 June 1962	14:46 PST	1:50,000	12.1 ft. MLLW
62 W 6410 thru 6414	"	13:21 "	1:15,000	7.1 " "
62 W 6416 thru 6421	"	13:26 "	"	7.3 " "
62 W 6504 thru 6507	"	16:05 "	1:30,000	14.3 " "

PREDICTED

TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SEMI RANGE
REFERENCE STATION: SELDOVIA		15.4	17.8
SUBORDINATE STATION: Iliamna Bay		12.3	14.5
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

J. B. Phillips

DATE:

May 1976

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

RECOVERED:

IDENTIFIED:

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

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

None

REMARKS:

SUMMARY

T-12336 is one of 40 shoreline maps comprising Job PH-6301 (Part I) 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 August 1968.

Final review was accomplished at the Rockville Office in May 1976 (refer to pages 18).

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

T-12336

COMPILATION RECORD

COMPLETION DATE

REMARKS

Compilation complete pending field edit		
Alongshore area for hydro	July 1966	Superseded
Shoreline revised from 1:10,000 scale compilation - southeast portion	June 1968	Superseded
Field edit applied	Oct. 1968	

FIELD INSPECTION

T-12336

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.

PHOTOGRAMMETRIC PLOT REPORT
Kamishak Bay, Alaska
Job PH-6301
May 1966

21. Area Covered

This report covers an area of Alaska, in the western portion of Kamishak Bay to be mapped on five T-sheets (T-12334, T-12336, T-12337, T-12338 and T-12339).

22. Method

Analytic aerotriangulation methods were used to bridge one strip of "M" photography at the scale of 1:50,000. The attached sketch shows the placement of and closure to the triangulation points used in the final adjustment. Due to the excessive forward overlap in the strip, numerous photographs were omitted from the bridge.

23. Adequacy of Control

Horizontal control identified and required to adjust this strip was adequate. Neither CHENIK SS-A, which could not be positively identified, nor KAMAK SS-A, which was not visible, were used in the final adjustment. The results of the bridge, which is void of common tie points, should comply to the National Standards of Map Accuracy for these five shoreline manuscripts.

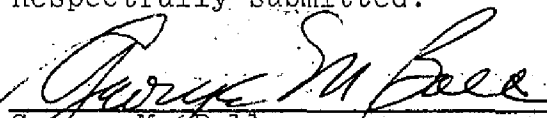
24. Supplemental Data

Numerous U.S.G.S. quads were used to obtain elevations required for the final horizontal and vertical adjustment.

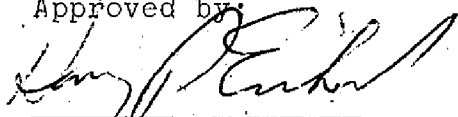
25. Photography

Photography was adequate with regard to coverage, overlap and image definition.

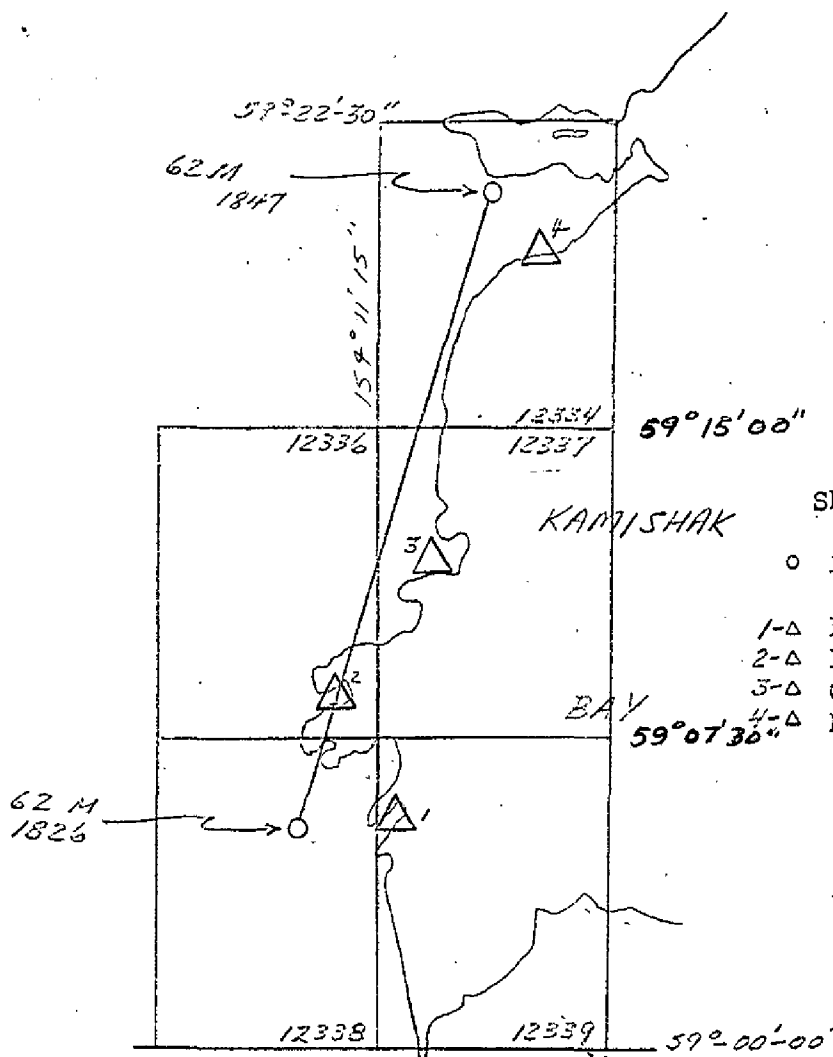
Respectfully submitted:


George M. Ball

Approved by:



Henry P. Eichert, Acting Chief
Aerotriangulation Section



PH-6301
Alaska
Cook Inlet
Kamishak Bay
Shoreline Mapping
1:50,000 RE39

- 1-Δ Pink, 1964
- 2-Δ Paint, 1964
- 3-Δ Chenik, 1964
- 4-Δ Kamak, 1946

CLOSURE TO CONTROL

Pink	SS A	(0.5)	(-0.2)
	SS B	(0.4)	(0.0)
Paint	SS A	(-1.4)	(0.6)
	SS B	(0.6)	(-1.5)
Chenik	SS A	Point could not be positively identified	
	SS B	(1.3)	(-1.0)
Kamak	SS A	Point was not visible	
	SS B	(-0.2)	(0.1)

COMPILATION REPORT
T-12336

31. DELINEATION:

Planimetry was compiled by Wild B-8 instrument, using photographs taken near mean high water. Ledges, offshore rocks and shallow lines were compiled graphically with a vertical projector, using 1:15,000 scale photographs taken at half-tide. Pass points common to both sets of photographs were used for control in the vertical projector.

See item 41. page 11

32. CONTROL:

See Photogrammetric Plot Report dated May 1966, submitted with this report.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was compiled by Wild B-8 instrument.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline and alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

See Paragraph 31, this report.

37. LANDMARKS AND AIDS:

None

38. CONTROL FOR FUTURE SURVEYS:

None

T-12336

41. REVISION OF ITEM 31:

The area of this map south of latitude $59^{\circ} 11' 15''$ and east of longitude $154^{\circ} 16' 52.5''$ was compiled in April 1968 at 1:10,000 scale as T-13280, which was photographically reduced to 1:20,000. Then T-12336 was revised to agree with T-13280. Refer to the report for T-13280.

39. JUNCTIONS:

Satisfactory junctions were made with map manuscripts T-12337 on the east and T-12338 on the south. There are no contemporary surveys on the west or north.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison has been made with USGS Reconnaissance Map ILIAMNA, ALASKA, scale 1:250,000, dated 1952, and USGS Quadrangle ILIAMNA (A-4), ALASKA, scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison has been made with C&GS Nautical Chart 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:

Charles H. Bishop

Charles H. Bishop
Cartographer

Aug. 1966

FIELD EDIT REPORT

SHEET T-12336

McNEIL COVE

PH-6301

AUGUST 1968

USC&GSS PATHFINDER

CDR A. C. HOLMES, CMDG

51 Methods

The field edit of this sheet was done in conjunction with a 1:10,000 scale hydrographic survey and is shown on the Field Edit Ozalid of sheet T-13280. No notes are shown on the Field Edit Ozalid for this sheet. A copy of the Field Edit Report for sheet T-13280 is attached. The Field Edit Ozalid for sheet T-13280 was transmitted to the Director, Atlantic Marine Center, Attn: Photo Branch, on 30 August 1968.

52 Adequacy of Compilation

See the Field Edit Report for Sheet T-13280.

54 Recommendations

None.

56 Additional Information

See the Field Edit Report for Sheet T-13280.

William R. Cameron
William R. Cameron
LTJG-USESSA
Photogrammetric Officer

Approved:

A. C. Holmes
A. C. Holmes
CDR-USESSA
Commanding Officer
USC&GSS PATHFINDER

FIELD EDIT REPORT

SHEET T-13280

AKJEMGUIGA COVE

PH-6301

JULY 1968

Ship's Copy

USC&GSS PATHFINDER

CDR A. C. HOLMES, CMDG

51 Methods

The field edit of this map was done in accordance with photogrammetric instructions and project instructions to the Commanding Officer, Ship PATHFINDER, dated April 3, 1968.

All deletions, additions and corrections to be applied to the manuscript appear on the Field Edit Ozalid. This ozalid is an index and inventory of all field edit work performed. General field edit notes on the Field Edit Ozalid are in violet ink. Features marked in green are to be deleted. Red circles show the approximate location of hydrographic signals used in the field edit.

Field edit notes appear on field ratio print 62W6506. The notes are in violet ink.

52 Adequacy of Compilation

Compilation of the manuscript was adequate and complete considering there was no field inspection of the area prior to compilation.

54 Recommendations

None.

56 Additional Information

Alaska Daylight Time, time meridian 135W, was used for the entire survey.

Hydrographic signal positions used in fixes on rocks, reefs, etc. are listed on a sheet attached to the Field Edit Ozalid. Signals are listed by number rather than name to conform with the requirements of electronic data processing.

The MHWL was visually verified and found to be correct as compiled. See photo 62W6506 for additions to the shore-line compilation.

William R. Cameron

William R. Cameron
LTJG-USESSA
Photo Officer

Approved:

A. C. Holmes
A. C. HOLMES
CDR-USESSA
Commanding Officer

PHOTOGRAMMETRIC OFFICE REVIEW

T- 12336

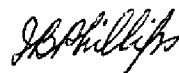
17

1. PROJECTION AND GRIDS CHB	2. TITLE Mc Neil Cove	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	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 CHB	11. DETAIL POINTS X
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES X
16. AIDS TO NAVIGATION X	17. LANDMARKS X	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES X
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS X"
23. STEREOSCOPIC INSTRUMENT CONTOURS X	24. CONTOURS IN GENERAL X	25. SPOT ELEVATIONS X	26. OTHER PHYSICAL FEATURES CHB
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 CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT KGB	38. FIELD INSPECTION PHOTOGRAPHS X	39. FORMS CHB
40. REVIEWER <i>Charles H. Bishop</i> C. H. Bishop		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.			
COMPILED B. Barge 10/68 Reviewer: C.H. Bishop 11/20/68		SUPERVISOR <i>A.C. Rauck, Jr.</i>	
43. REMARKS Field edit applied from: reduction of 1:10,000 sheet T-13280.			

Review Report T-12336
Shoreline Survey
May 1976

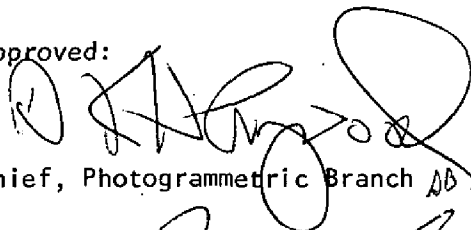
This 1:20,000 scale manuscript is covered by the 1:10,000 scale manuscript, T-13280. Refer to the Descriptive Report for T-13280 for comments pertinent to the compilation and photogrammetric review of this area. *

Submitted by,

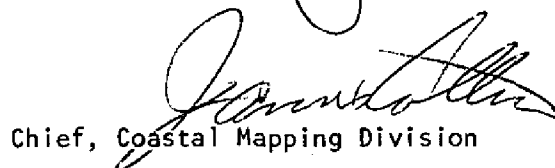


J. B. Phillips

Approved:



Chief, Photogrammetric Branch *AB*



Chief, Coastal Mapping Division

* The 1:10,000 scale map was used in the review of the contemporary hydrographic survey; therefore only the format information on T-12336 was reviewed prior to registry, as a Class I Map. *AB*

May 26, 1967

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6301 (Cook Inlet, Alaska)

T-12336

Akjemguiga Cove

Chenik Lake

Chenik Mountain

Dunuletak Creek

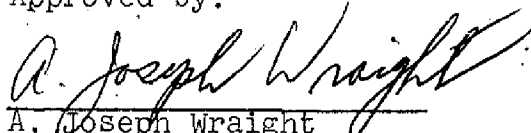
Kamishak Bay

McNeil Cove

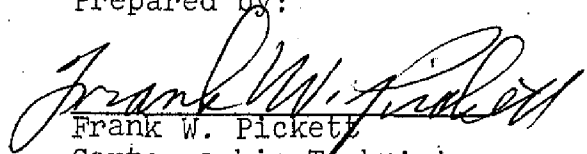
Paint River

Sulukpuk Creek

Approved by:

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician

