

T-12335

T-12335

NOAA FORM 76-35	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Type of Survey .Shoreline..(Photogrammetric).....	
Job No. .PH-6301.....	Map No. T-12335.....
Classification No. 1*	Edition No.
LOCALITY	
State Alaska.....	
General Locality ..Kamishak Bay, Cook Inlet.....	
Locality ..Contact Point.....	
.....	
<hr/> 1962 TO 19 71 <hr/>	
REGISTRY IN ARCHIVES	
DATE	

★ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-775

*Refer to T-13278, 1:10,000 scale for final reviewed coverage of this area.

DESCRIPTIVE REPORT - DATA RECORD

T - 12335

PROJECT NO. (II):

PH-6301

FIELD OFFICE (III):

None

CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center, Norfolk, Virginia

OFFICER-IN-CHARGE

J. Bull, RADM, Director

INSTRUCTIONS DATED (II) (III):

Office

March 18, 1965

Part I

Office

February 10, 1966

Supplement I

Office

May 5, 1967

supplement II

Office

December 27, 1967

Supplement III

METHOD OF COMPILATION (III):

Wild B-8

USCRIPT SCALE (III):

1:20,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

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

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

MAY 1976

DATE REGISTERED (IV):

R. CATDR

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III): MHW

~~MEAN LOW WATER~~ 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~~ mean lower low water

REFERENCE STATION (III):

CONTACT, 1964 ✓

LAT.:

LONG.:

59° 21' 29.375" (909.0m) ✓

153° 57' 02.750" (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

FIELD INSPECTION BY (II):		DATE:
None		
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Air Photo Compilation Dates of Photography: July 1967, June 1962 June		
PROJECTION AND GRIDS RULED BY (IV):		DATE
A. E. Roundtree		March 31, 1967
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
R. Glaser		March 31, 1967
CONTROL PLOTTED BY (III):		DATE
L. L. Neterer, Jr.		November 20, 1967
CONTROL CHECKED BY (III):		DATE
B. Barge		November 20, 1967
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
P. Dempsey		November 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	A. L. Shands	December 17, 1967
	CONTOURS	DATE
	Inapplicable	
MANUSCRIPT DELINEATED BY (III):		DATE
A. L. Shands		December 19, 1967
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
R. E. Smith		February 29, 1968
REMARKS: Field edit accomplished at 1:10,000 scale (T-13278) by Alan P. Vonderhe July 1971		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

USC&GS "M" and "W" Cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
M 62(c) 7438 thru 7441 67M-862 and 863	29 June 1962 9 June 1967	16:30 09:29	1:50,000 1:60,000	3.9 ft. MLLW 2.2 ft. below MLLW

PREDICTED TIDE (III)

Diurnal

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Seidovia		15.4	17.8
SUBORDINATE STATION: Iliamna		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):

1

RECOVERED:

1

IDENTIFIED:

1

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-12335 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 1968-1971

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.

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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 (T-13278)	June 1968	Superseded
Field edit applied	Nov. 1972	

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.

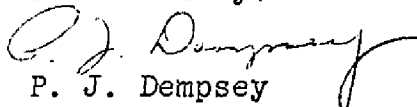
24. Supplemental Data

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

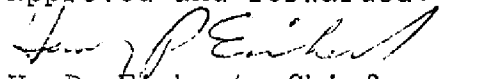
25. Photography

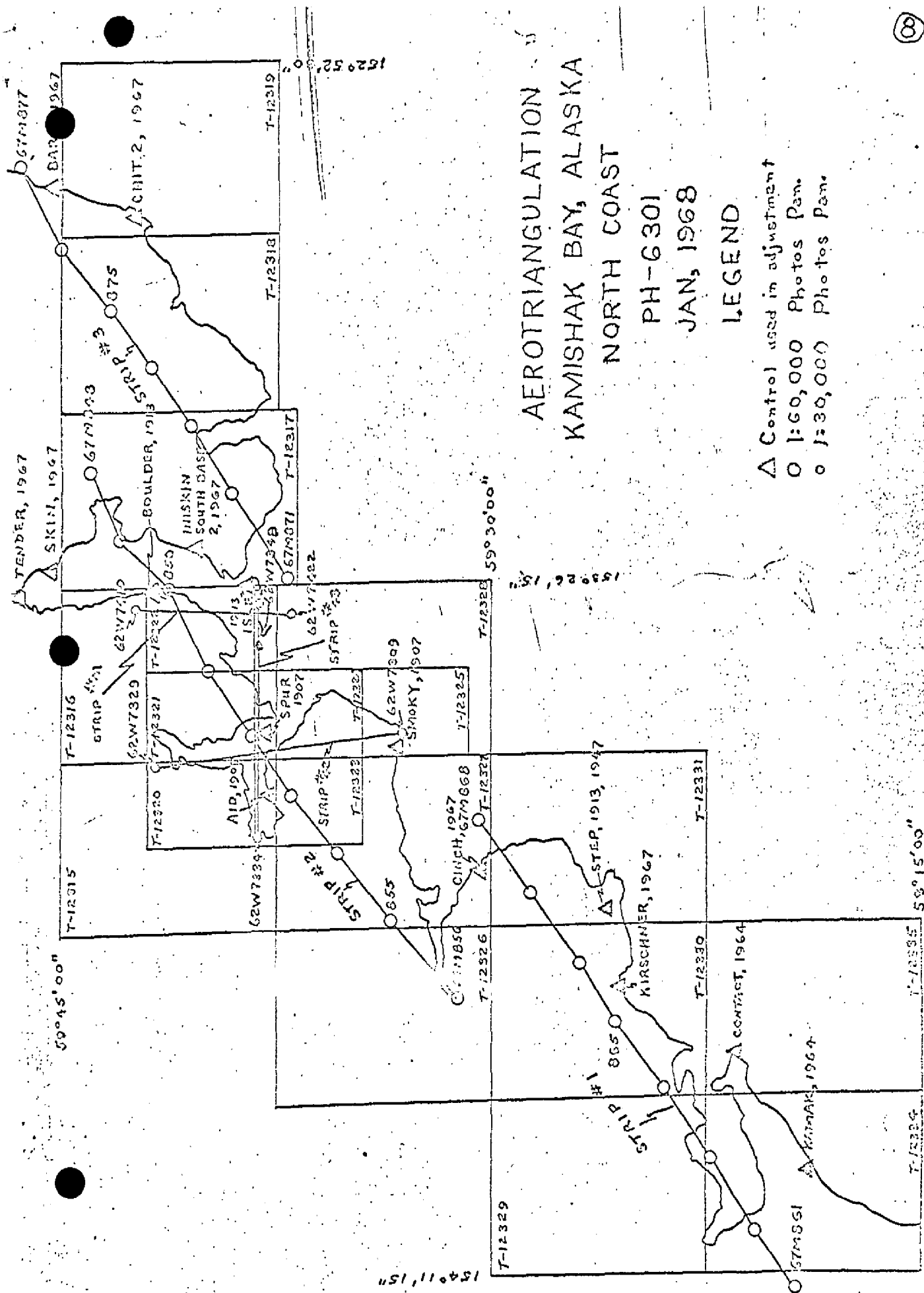
The definition and quality of the RC-9 and RC-8 photography were good. Ratio prints have been ordered to compilation scale.

Submitted by:


P. J. Dempsey

Approved and forwarded:


H. P. Eichert, Chief
Aerotriangulation Section



FIELD INSPECTION REPORT
Project PH-6301
T-12335

There was no field inspection prior to Compilation.

COMPILATION REPORT
T-12335

31. DELINEATION:

The Wild B-8 was used.

Photography was adequate.

The 1967 "M" photography was considered to be more adequate for hydro support data than the 1962 "W" photos. The 1967 photos afforded better coverage and a better selection of shoreline pass points which were difficult to transfer to the 1962 photos.

There was no field inspection.

See item 41

32. CONTROL:

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was compiled by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

Shoreline and alongshore details were compiled by office interpretation of the photographs. The Mean lower low water line was delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

None

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41. REVISION OF ITEM 31:

The area of this map north of latitude $59^{\circ} 18' 45''$ and west of longitude $153^{\circ} 54' 22.5''$ was compiled in May 1968 at 1:10,000 scale as T-13278, which was photographically reduced to 1:20,000. Then T-12335 was revised to agree with T-13278. Refer to the report for T-13278.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

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

40. HORIZONTAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison has been made with USGS Quadrangle ILIAMNA (B-3), ALASKA, scale 1:63,360, dated 1954.

47. COMPARISON WITH NAUTICAL CHARTS:

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Approved:

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

Submitted:

A. L. Shands

A. L. Shands
Cartographic Technician

Dec. 1968

FIELD EDIT REPORT

SHEET T-12335

LOWER COCK INLET

(KAMISHAK BAY)

PH-6301

JULY 1971

NOAA SHIP PATHFINDER

CAPT. H.R. LIPPOLD JR., CMDG.

56 Additional Information

This entire sheet is complete on a 1/10,000 scale. See the submitted data for T-13278.

The large reefs in Kamishak Bay were located by the 1968 and 1971 hydrography. No field edit was accomplished on these reefs in 1971.

Alan P. Vonderohe
Alan P. Vonderohe
LTJG NOAA
Photo Officer



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY

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Date : Nov.21,1972

Reply to Attn. of:

To : Reviewers.

From : Albert C. Rauck, Jr.
Coastal Mapping

Subject: Field edit ozalids on Job Ph-6301

You will note that several of the field edit ozalids for this project have a multitude of 3-point fixes lettered in purple.

One sheet has as many as 168 fixes assigned to the location of the outer edge of rock ledge. All of these were plotted and checked and when thus located, were laid over the ozalid on a light table. It was found that the plotted positions of these fixes coincided exactly with those on the ozalid.

It was suspected and later proven by a phone call to Mr. George Fernandes, that this is exactly what the field editor did after he plotted his fixes on his film ozalid furnished for this purpose. Mr. Fernandes verified this by conversation with the field works officer and his officers.

It was found to be not practical to re-plot these fixes again and the data was taken directly from the ozalids and applied to the map manuscripts. Phone verification was made 12:45 P.M. Nov.21,1972.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 12335

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 RES	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 <i>Susan Kumer 11-29-72</i> <i>Reviewed: A. L. Stands 1-16-73</i>		SUPERVISOR <i>A. C. Rauck, Jr.</i>	
43. REMARKS <i>The field edit was applied from the field edit report and the field edit 02alid of T-13278 a 1:10,000 scale manuscript.</i>			

Review Report T-12335
Shoreline Survey
April 1976

This 1:20,000 scale manuscript is covered by the 1:10,000 scale manuscript T-13278. Refer to the Descriptive Report for T-13278 for detailed comments pertinent to the compilation and photogrammetric review of this area.

Submitted by,

J.B. Phillips
J.B. Phillips

Approved:

[Signature]
Chief, Photogrammetric Branch

[Signature]
Chief, Coastal Mapping Division

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May 26, 1967

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6301 (Cook Inlet, Alaska)

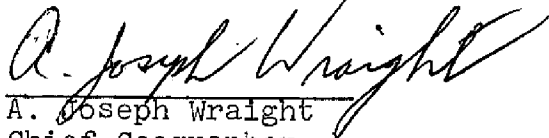
T-12335

Contact Point

Cook Inlet

Kamishak Bay

Approved by:



A. Joseph Wraight
Chief Geographer

Prepared by:



Frank W. Pickett
Cartographic Technician

