

T-12359

T-12359

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12359	Edition No. 1
Job No. PH-6301 PART 2	
Map Classification FINAL CLASS III MAP	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality COOK INLET SOUTHERN PART	
Locality INISKIN RIVER	
19 60 TO 19 70	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.					
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">           TYPE OF SURVEY  <input checked="" type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width:50%;">           SURVEY TP. <u>12359</u>             MAP EDITION NO. <u>(1)</u>            MAP CLASS <u>Final Class</u>            JOB <u>6301 pt2 III map</u>            PH. <u>PH.</u> </td> </tr> </table>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>12359</u>  MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final Class</u> JOB <u>6301 pt2 III map</u> PH. <u>PH.</u>		
TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>12359</u>  MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final Class</u> JOB <u>6301 pt2 III map</u> PH. <u>PH.</u>						
PHOTOGRAMMETRIC OFFICE  Coastal Mapping Division, Norfolk, VA		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>LAST PRECEDING MAP EDITION</b> </td> </tr> <tr> <td style="width:50%;">           TYPE OF SURVEY  <input type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width:50%;">           JOB PH. _____            MAP CLASS _____            SURVEY DATES:            19__ TO 19__         </td> </tr> </table>		<b>LAST PRECEDING MAP EDITION</b>		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
<b>LAST PRECEDING MAP EDITION</b>							
TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__						
OFFICER-IN-CHARGE  Jeffrey G. Carlen, CDR							
<b>I. INSTRUCTIONS DATED</b>							
<b>1. OFFICE</b>		<b>2. FIELD</b>					
Aerotriangulation                      June 27, 1975 Compilation                              Oct 9, 1975 "            Amend I                      May 20, 1976 "            Amend II                      Jan 28, 1977							
<b>II. DATUMS</b>							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify) _____					
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify) _____					
3. MAP PROJECTION  Transverse Mercator		4. GRID(S) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">STATE Alaska</td> <td style="width:50%;">ZONE 5</td> </tr> </table>		STATE Alaska	ZONE 5		
STATE Alaska	ZONE 5						
5. SCALE 1:20,000		STATE _____ ZONE _____					
<b>III. HISTORY OF OFFICE OPERATIONS</b>							
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>				
1. AEROTRIANGULATION BY METHOD: Analytic                      LANDMARKS AND AIDS BY		S. Solbeck	Sept 1975				
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat                      CHECKED BY		S. Solbeck "	Sept 1975 "				
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION                              CHECKED BY  INSTRUMENT: Wild B-8                      CONTOURS BY SCALE: 1:20,000                              CHECKED BY		F. Mauldin L. Neterer, Jr. N.A. N.A.	Dec 1978 Dec 1978  				
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: smooth drafted                      CONTOURS BY CHECKED BY SCALE: 1:20,000                              HYDRO SUPPORT DATA BY CHECKED BY		L. Williams C. Blood N.A. N.A. None None	Jan 1979 Feb 1979   				
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		None					
6. APPLICATION OF FIELD EDIT DATA BY		None					
7. COMPILATION SECTION REVIEW BY		None					
8. FINAL REVIEW BY		J. Byrd					
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. Byrd					
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Dempsey					
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. L. DAUGHERTY					

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-12359  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"E" FL=152.71mm <del>Wild RC-9"M" FL=88.20 mm</del>		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR X (P) PANCHROMATIC X (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE 10th MERIDIAN 150th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
70E(C) 7215-7216*	July 25, 70	11:46	1:40,000	5.0 ft above MLLW	
70M(P) 254,255 **	July 20, 70		1:60,000	No tide data	

## REMARKS

\*Compilation photography \*\* Bridged photography There are no hydro support photos for this area.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

\* The mean high water line was compiled from the above compilation photography.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

None compiled.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No survey	T-12360	*T-12316 PH-6301 pt1	No survey

## REMARKS

\*The junction between T-12359 and T-12316 was not made due to the lack of adequate photocoverage for sheet T-12359.

T-12359

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ Premarking ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	E. Taylor	July 1970
2. HORIZONTAL CONTROL	RECOVERED BY E. Taylor	"
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R.D.O.	July 1970
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Premarked

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70M-255	TENDER		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1-form 152 and 1 Geodetic Traverse Report, Pathfinder, 1970

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
T-12359 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Jan 1979	Class III manuscript	Mar 5, 79	Mar 5, 79
Final Review	Nov 1986	Final Class III Map	2-11-87	

## II. LANDMARKS AND AIDS TO NAVIGATION None

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

# PROJECT PH-6301

## (PART-2)

### SHORELINE MAPPING

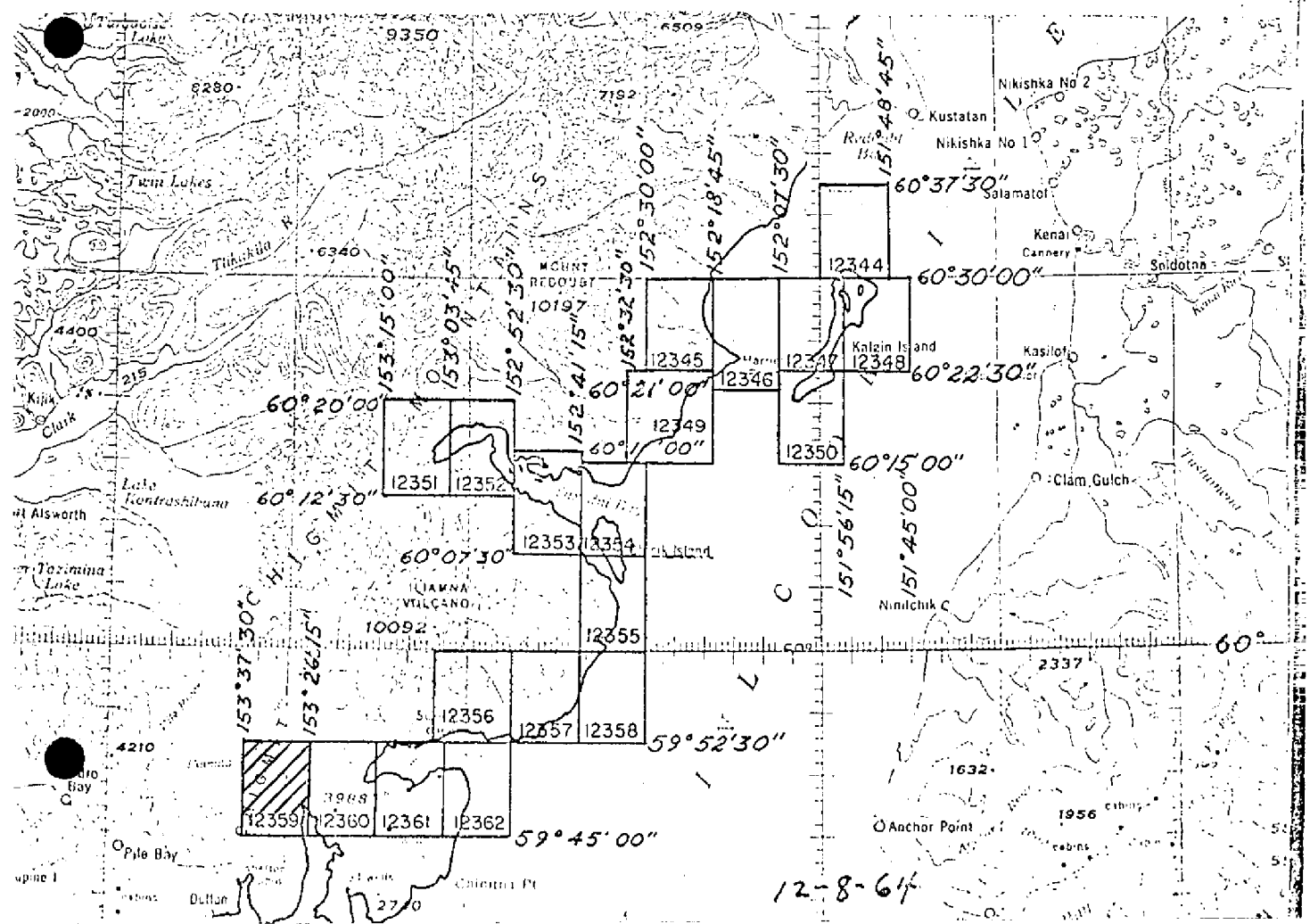
Scale 1:20000  
ALASKA

### COOK INLET

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Area Sq. Mile	Lin. Mile Shoreline	Sheet No.	Area Sq. Mile	Lin. Mile Shoreline
T-12344	2	4	T-12354	11	22
T-12345	3	6	T-12355	8	16
T-12346	3	6	T-12356	3	6
T-12347	8	16	T-12357	7	14
T-12348	4	8	T-12358	2	4
T-12349	5	10	T-12359	3	6
T-12350	4	9	T-12360	4	7
T-12351	4	9	T-12361	10	19
T-12352	10	21	T-12362	4	8
T-12353	11	22			

Totals - Area 106 sq. mile; Shoreline 213 sq. mile



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-12359

This 1:20,000 scale Final shoreline map is one of nineteen 1:20,000 scale maps designated as project PH-6301 Part II, Southern Part, Cook Inlet, Alaska.

The purpose of this map was to provide contemporary shoreline in support of hydrographic operations and to aid in chart revision.

Field work prior to compilation during the 1970 field season consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in July 1970 with the RC-9 "M" camera at 1:60,000 scale using panchromatic film. The map area was also photographed in July 1970 with the RC-8 "E" camera at 1:40,000 scale using color film.

Aerotriangulation was completed at the Washington office in June 27, 1975.

This map was compiled at the Norfolk office in February 1979.

Field edit was not acquired for T-12359.

Final review was accomplished at the Atlantic Marine Center in November 1986. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this Final Class III map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.

## FIELD INSPECTION

T-12359

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



Photogrammetric Plot Report  
Cook Inlet, Alaska  
PH-6301

21. Area Covered

The area covered by this report is the western shoreline along Cook Inlet, Alaska, from Chinita Bay to Tuxedni Bay. This area is covered by 13 1:20,000 sheets; T-12349, T-12351-12362.

22. Method

Three strips of 1:60,000 scale black-and-white panchromatic photography were bridged by analytic aerotriangulation methods.

Common points were located on the bridging photography and the 1:20,000 color photography being used for ratio purposes. In addition, common points were located on the bridging and 1:60,000 photography being used for compilation. Tie points were used on all three strips to insure an adequate junction of all photography during the strip adjustment. Ratio prints were ordered. The T-sheet manuscripts were plotted on the Coradomat.

23. Adequacy of Control

Control checked within map accuracy standards, but due to the fact that this area is within the 1964 earthquake zone, some local stations could have moved.

Station F00, 1970, could not be held in the strip adjustment and this is believed to be the cause.

On September 3, 1975, Geodesy informed this office that not enough data was available to make any significant changes on the horizontal control in this area.

24. Supplemental Data

USGS Quadrangles were used to provide vertical control for the adjustment.

25. Photography

The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by,

*Stephen H. Solbeck*  
Stephen H. Solbeck

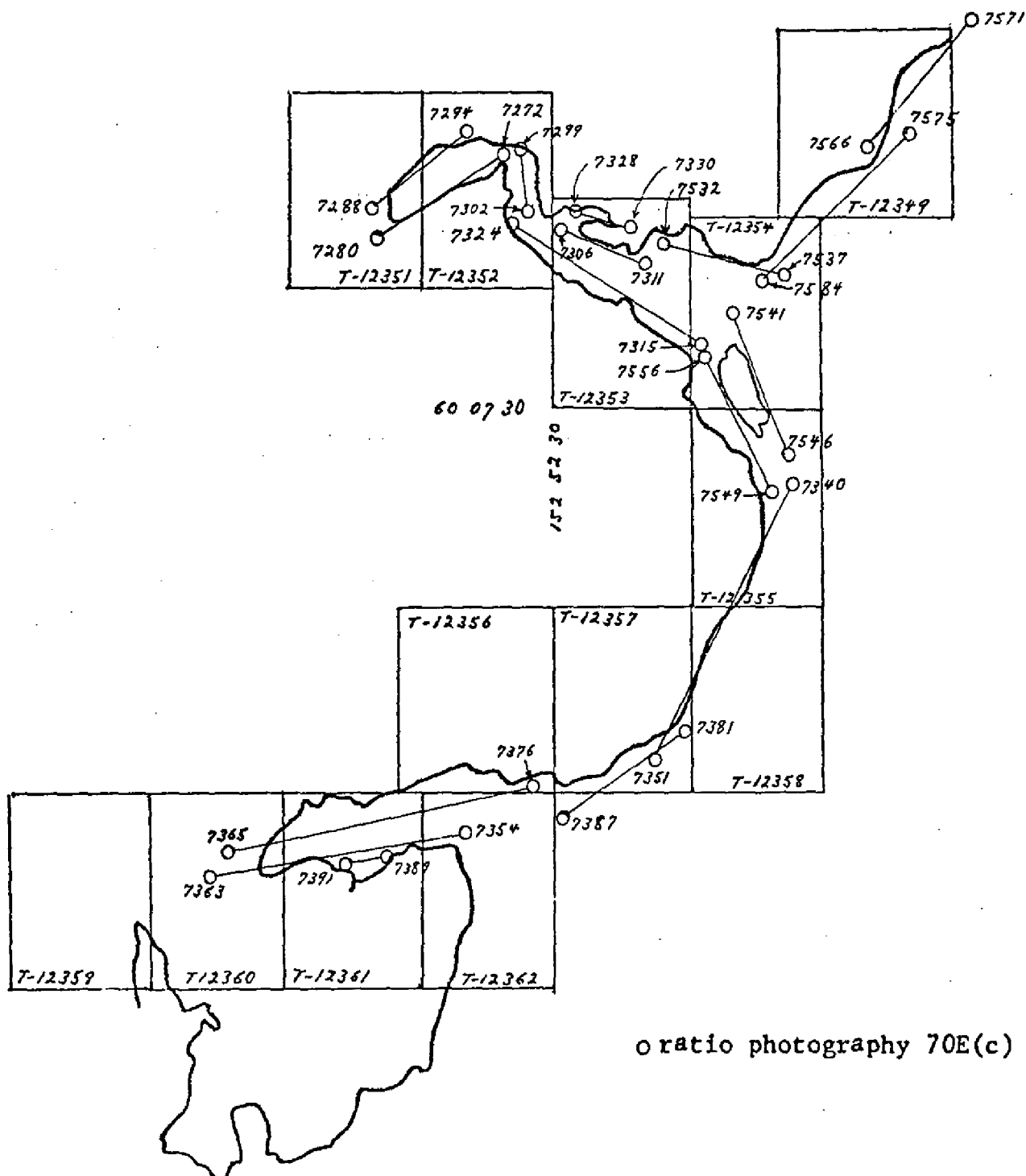
Approved and forwarded:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.

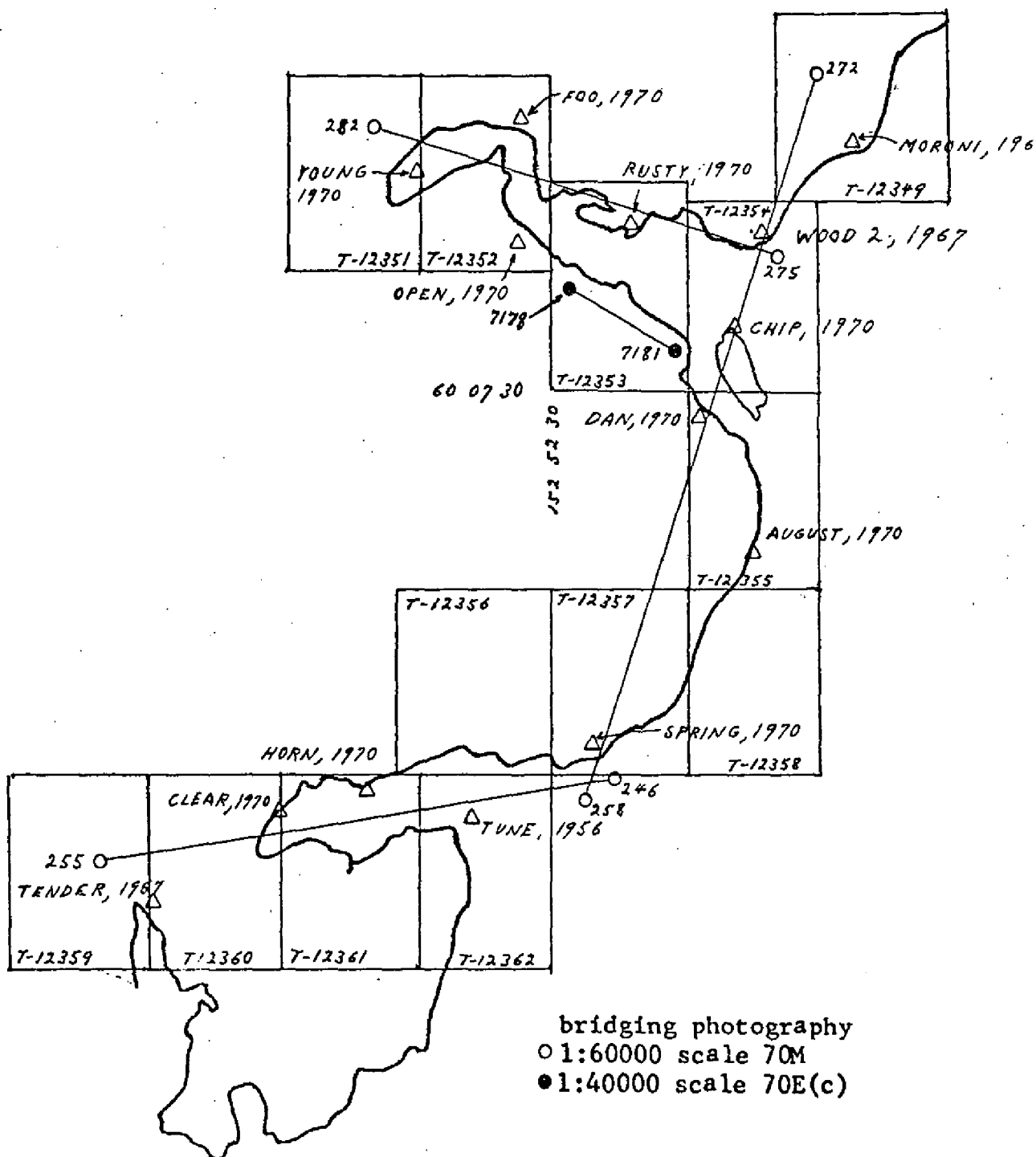
Chief, Aerotriangulation Section

29 SEP 75

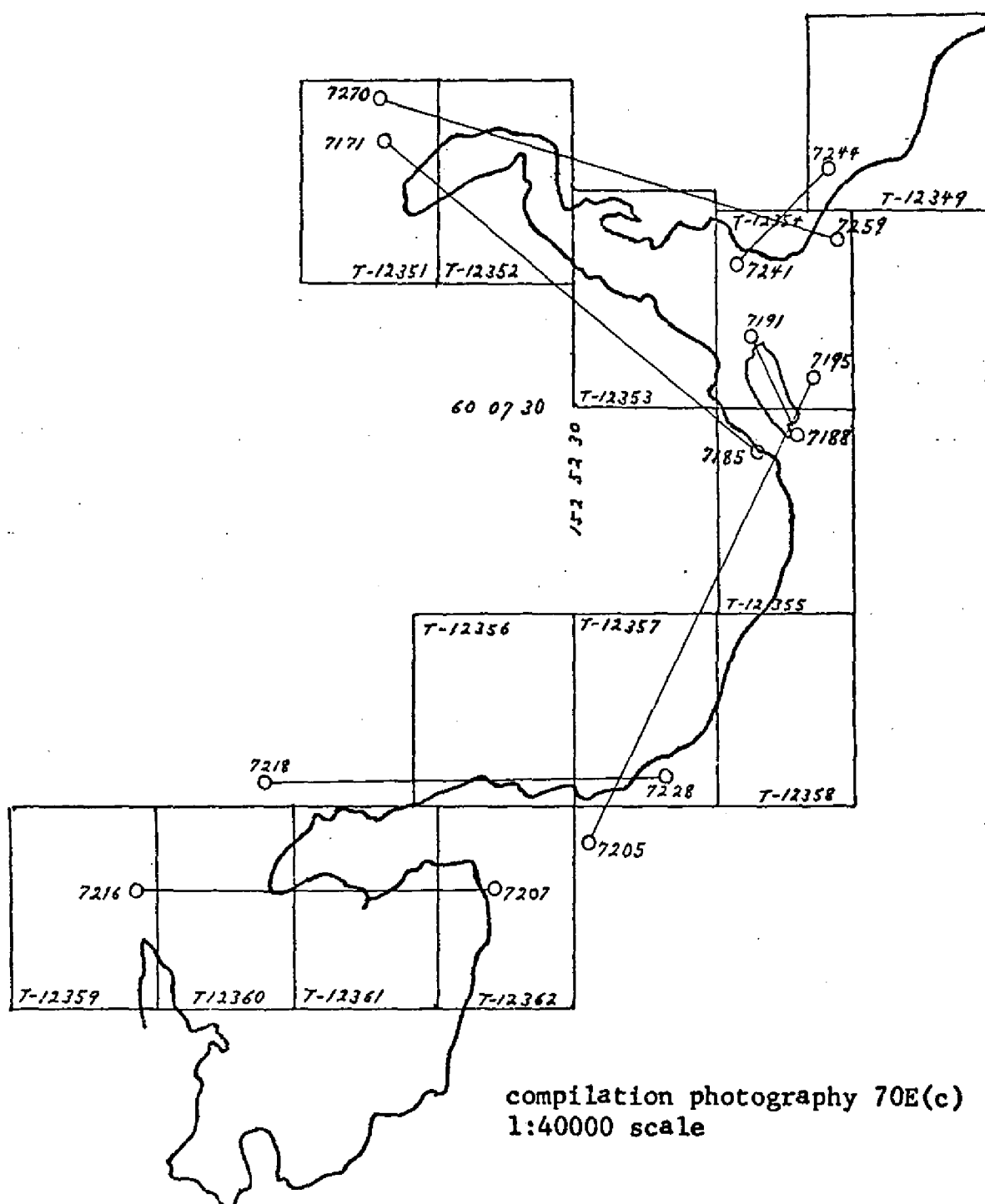
AEROTRIANGULATION SKETCH  
 COOK INLET ALASKA  
 PART-2  
 PH-6301  
 September, 1975



AEROTRIANGULATION SKETCH  
 COOK INLET ALASKA  
 PART-2  
 PH-6301  
 September, 1975



AEROTRIANGULATION SKETCH  
COOK INLET ALASKA  
PART-2  
PH-6301  
September, 1975



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODEIC DATUM		AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
		STATE	ZONE			$\phi$ LATITUDE	$\lambda$ LONGITUDE				
T-12359	PH-6301 Part 2	N.A. 1927	Alaska							Coastal Mapping Division, AMC	
			5								
				255100	unadjusted field posi- tion, Form 28D, page 1	X=		$\phi$	59° 46' 57.084"		
						Y=		$\lambda$	153° 26' 18.085"		
						X=		$\phi$			
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COMPILATION REPORT

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31 - DELINEATION

Delineation was accomplished using the Wild B-8 stereoplotter with 1:40,000 scale photography. Ratio photography is not available for this map.

32 - CONTROL

See the attached Photogrammetric Plot Report, dated September 29, 1975.

33 - SUPPLEMENTAL DATA

None

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by using the Wild B-8 stereoplotter from compiler's interpretation of the photographs.

The mean high water line was delineated from the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated using the Wild B-8 stereoplotter from compiler's interpretation of the photographs.

The mean high water line was delineated from the photographs.

36 - OFFSHORE DETAILS

There were no offshore details compiled.

37 - LANDMARKS AND AIDS

There were no landmarks or aids to navigation noted during compilation.

38 - CONTROL FOR FUTURE SURVEYS

None

T-12352

39 - JUNCTIONS

See the attached Form 76-36B, item #5 of the Descriptive Report concerning junctions. Junctions are in agreement.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report, dated September 29, 1975.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the U. S. Geological Survey Quadrangle: Iliamna (D-2), Alaska, scale 1:63,360, dated 1958.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the National Ocean Survey chart: No. 16640, scale 1:200,000 dated May 25, 1974.

The map area north of latitude 60 16' is not shown on this chart.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

*L. Williams*  
L. Williams  
Cartographic Aid  
Date: February 1, 1979

Approved:

*Albert C. Rauck, Jr.*  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section

Feb. 6, 1987

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-6301 (Cook Inlet, Alaska-Part 2)

T-12359

Iniskin River

Prepared by:

Charles E. Harrington

Charles E. Harrington

Staff Geographer



REVIEW REPORT T-12357  
SHORELINE

61. GENERAL STATEMENT

See Summary included with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison with a Hydrographic Survey for this map was not made. The area is not covered by a Hydrographic Survey.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 16640, scale 1:200,000, dated April 23, 1983.

The chart compared well with this manuscript.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by

*J. L. Byrd, Jr.*  
James L. Byrd, Jr.  
Final Reviewer

Approved for forwarding

*Billy H. Barnes*  
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Chief, Photogrammetric Section, AMC

Approved

*Lucy O. Rohsen, Jr.*  
Chief, Photogrammetric Production Sect.

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