

TP-00800

TP-00800

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00800	Edition No. 1
Job No. CM-7412	
Map Classification FINAL MAP - FIELD EDITED	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality COOK INLET, EAST SIDE CAPE KASILOF TO BARREN ISLANDS	
Locality MCNEIL CREEK	
1975 TO 1980	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC, Norfolk, VA OFFICER-IN-CHARGE Roy K. Matsushige		SURVEY TP. 00800 MAP EDITION NO. (1) MAP CLASS Final JOB PH. CM-7412	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC, Norfolk, VA OFFICER-IN-CHARGE Roy K. Matsushige		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation - North Sect Oct. 6, 1975 Compilation - North Sect May 3, 1976 Amendment I Aug. 17, 1976 Amendment II Jan. 14, 1977		Premarking May 6, 1975	
II. DATUMS			
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 checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Transverse Mercator		4. GRID(S) STATE Alaska ZONE 4	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic (North Half)		S. Solbeck	Mar 1976
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		J. Perrow, Jr. S. Solbeck J. Perrow, Jr.	Mar 1976 Apr 1976 Apr 1976
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:20,000 CONTOURS BY CHECKED BY		D. Butler J. Roderick and L. Neterer N.A. N.A.	Feb 1978 Feb 1978
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY METHOD: Smooth drafted and graphic SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		D. Butler L. O. Neterer, Jr. N.A. N.A. J. Moler and D. Butler L. O. Neterer, Jr.	Mar 1978 Apr 1978 Feb 1978 Apr 1978
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. O. Neterer, Jr.	Apr 1978
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		L. Williams C. Blood	Jun 1981 Jul 1981
7. COMPILATION SECTION REVIEW BY		C. Blood	Jul 1981
8. FINAL REVIEW BY		C. Blood/J. Byrd	Jul 1985
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. Byrd	Nov 1985
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Dempsey	Mar 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. DAUGHERTY	MAY 86

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

TP-00800

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8E 152.71 mm RC 10C-88.47mm/RC 10Z 153.14 mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES				Alaska	<input checked="" type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				150th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75C(C) 6303-6306	Jul. 5, 1975	13:33	1:60,000	9.8 ft. above MLLW	
75E(I) 0952-0957**	Jul. 10, 1975	09:32	1:30,000	2.0 ft. below MLLW	
75Z(C) 7494-7500**	Aug. 10, 1975	13:40	1:30,000	16.4 ft. above MLLW	
				Mean tide range 15.4 Seldovia	

REMARKS Bridge and/or compilation photograph centers are not shown on the manuscript. A tide gage was read at Seldovia during the time of infrared photograph exposure. The Mean High Water at Seldovia is 17.0 ft. above MLLW.

2. SOURCE OF MEAN HIGH-WATER LINE:

*The MHWL was compiled from office interpretation of the above listed 1:60,000 color photographs using stereo instrument methods. Compilation was supplemented by graphic methods using the the MHW black-and-white (ratio) photographs 75-Z(C) 7494-7500.

3. SOURCE OF MEAN LOW-WATER LINE:

**The MLLW line was compiled graphically from the above tide coordinated infrared ratio photographs.

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	TP-00801	TP-00803 TP-00804 TP-00805	No Survey

REMARKS

All junctions south are with 1:10,000 scale maps.

TP-00800

HISTORY OF FIELD OPERATIONS

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

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Jun 1975
2. HORIZONTAL CONTROL	RECOVERED BY L. Riggers	Jun 1975
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L. Riggers	Jun 1975
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
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 N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Paneled		2. VERTICAL CONTROL IDENTIFIED N.A.	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
75C(C)6305	DANA, 1965--(sub point paneled)		

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

Project data: 2 - Form 277, 1 - Form 77-53 (Tides Record Book)

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00800

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	W. Mobley	Jul 1980
2. HORIZONTAL CONTROL	RECOVERED BY J. Talbott	May 1980
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
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 R. Hastings	Jul 1980
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

75 E(I) 0952-0956

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)

Master Field Edit Print

Field Edit Report

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

TP-00800

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	Mar. 7, 1978	Class III Manuscript	Apr. 27, 1978	Feb. 21, 1980
Field edit applied. Compilation Complete	July 1981	Class I Map	July 1981	
Final Review	Jul. 1985	Final Map	mar 1986	mar 1986

II. LANDMARKS AND AIDS TO NAVIGATION None

I. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
			None

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. 76-40 ~~8822~~ 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	

OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET No.	Sq. Mi.	SHEET No.	Sq. Mi.
TP-00793	17	TP-00810	17
TP-00794		TP-00811	
TP-00795		TP-00812	
TP-00796		TP-00813	
TP-00797		TP-00814	
TP-00798		TP-00815	
TP-00799		TP-00816	
TP-00800			
TP-00801			
TP-00802			
TP-00803			
TP-00804			
TP-00805			
TP-00806			
TP-00807			
TP-00808			
TP-00809			
		TP-00820	18
		TP-00823	18
		TP-00824	
		TP-00825	
		TP-00826	
		TOTAL	19

REVISED 9/23/78 R.W.
6/13/79 L.F.V.

JOB CM-7412

COOK INLET, EAST SIDE
CAPE KASLOF TO DARREN ISLANDS
ALASKA

SHORELINE MAPPING
SCALE 1:5,000-1:10,000-1:20,000

MARCH 1974

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00800

This 1:20,000 Final shoreline map is one of twenty-nine maps designated as project CM-7412, Cook Inlet, East Side, Cape Kasilof to Barren Islands, Alaska.

The purpose of this project was to provide current charting information for nautical chart maintenance and to furnish support data for hydrographic operations. This Final Map covers an area of the north Kachemak Bay shoreline. The area shown is between longitudes 150°30.0' and 151°10.0' and between latitudes 59°40.0' and 59°50.0'.

Field work prior to compilation consisted of the recovery and identification of the horizontal control necessary for the aerotriangulation of the project and establishing and monitoring tide gages while the photography was being taken for the tide coordinated infrared photographs. This activity was completed in August 1975.

Photographic coverage was adequately provided by natural color and infrared tide coordinated photographs. The RC-10(C) camera was used to expose the natural color film required for the 1:60,000 scale aerotriangulation, compilation photographs taken July 1975. The RC-8 (E) camera was used for the infrared black-and-white 1:30,000 scale photographs taken August 1975. The infrared low water photographs were used to supplement the color compilation photography. Ratio photographs taken with the RC-10(Z) camera using color film, taken August 1975, were printed as black and white and used graphically.

Analytic aerotriangulation was adequately provided by the Washington Science Center for the north part of the project March 1976. Aerotriangulation operations included ruling the base manuscript and determining ratio values for the infrared photographs.

Compilation, based upon photointerpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center in April 1978. Refer to the compilation report, item #31 and NOAA Form 76-36B for specific usage of the photography.

Field edit was conducted June and July 1980 by hydrographic personnel assigned to the NOAA ship RAINIER. Field edit for this manuscript is complete and was applied to the manuscript by the Coastal Mapping Unit, Atlantic Marine Center in July 1981.

Final review was performed at the Atlantic Marine Center in July 1985. 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 Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-00800

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project and the monitoring of tide gages for the tide coordinated infrared photographs.

March, 1976

Photogrammetric Plot Report
Cook Inlet Alaska
North ~~Half~~ Part
CM-7412

Revised March 7, 1984 C.E.B.

21. Area Covered

The area covered by this report is the eastern shoreline of Cook Inlet, Alaska, from Cape Kasilof to the northern shoreline of Kachemak Bay. This area is covered by eight 1:20,000 scale sheets (TP-00793, 795, 796, 798, 799, 800, 801, 802); three 1:10,000 scale sheets (TP-00794, 803, 804); and two 1:5,000 scale sheets (TP-00797 and 806).

22. Method

Eight strips of color photography (three 1:60,000, three 1:30,000, two 1:15,000) were bridged by analytic aerotriangulation methods.

Common points were located on the bridging photography and all photography being used for ratio purposes. Tie points were used on all bridging photography to ensure adequate junctioning during the strip adjustment. Ratio prints were ordered. The T-sheet manuscripts were plotted on the Coradomat.

23. Adequacy of Control

The control proved adequate except in the area along Anchor Point. Station END, 1968, was not covered on strip 75E(C)0014-0027, making it necessary to locate common points between that strip and strip 75E(C)6287-6300 to ensure adequate junctioning between the two.

The lower, or western half, of strip 75C(C)6301-6315 was often difficult to measure due to inadequate overlap and poor image quality.

For the two 1:5,000 scale sheets, no mean lower low water coverage was available. TP-00797 was also covered by 1:15,000 scale color photography flown in tandem with the infrared photography. This color strip, along with strip 75Z(c)7490-7511 (flown parallel to strip 75C(C)6301-6315), was ratioed for compilation purposes. Both were flown during mean high water.

On strip 75E(C)0057-0061, 900 points were dropped so that this strip could be used on the Wild B-8 stereoplotter to compile the NE corner of TP-00803.

Strip 75Z(C)6945-6956 was to be used for the compilation of TP-00806. Although there is color coverage (flown at mean high water) for TP-00800, no black and white infrared photography was available which covers this area at mean high water.

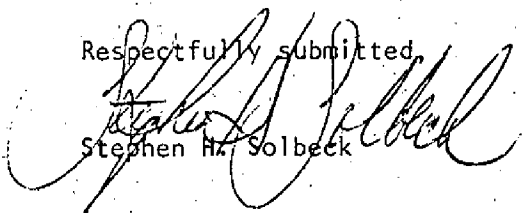
24. Supplemental Data

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

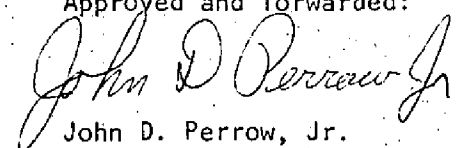
25. Photography

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

Respectfully submitted,


Stephen H. Solbeck

Approved and forwarded:


John D. Perrow, Jr.
Chief, Aerotriangulation Section

AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALF

CM-7412

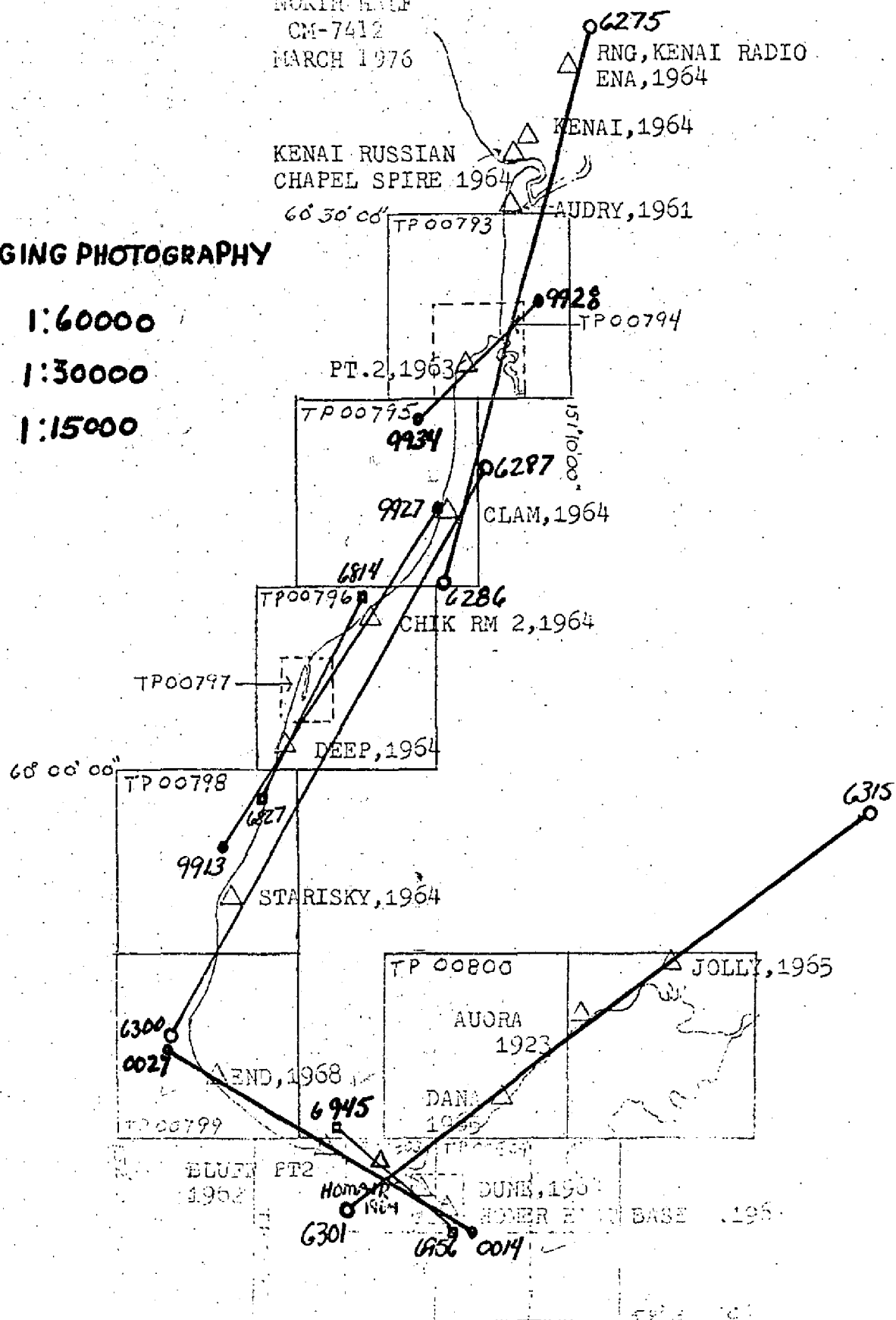
MARCH 1976

COLOR BRIDGING PHOTOGRAPHY

• 75C(c) 1:60000

• 75E(c) 1:30000

• 75Z(c) 1:15000



AEROTRIANGULATION SKETCH

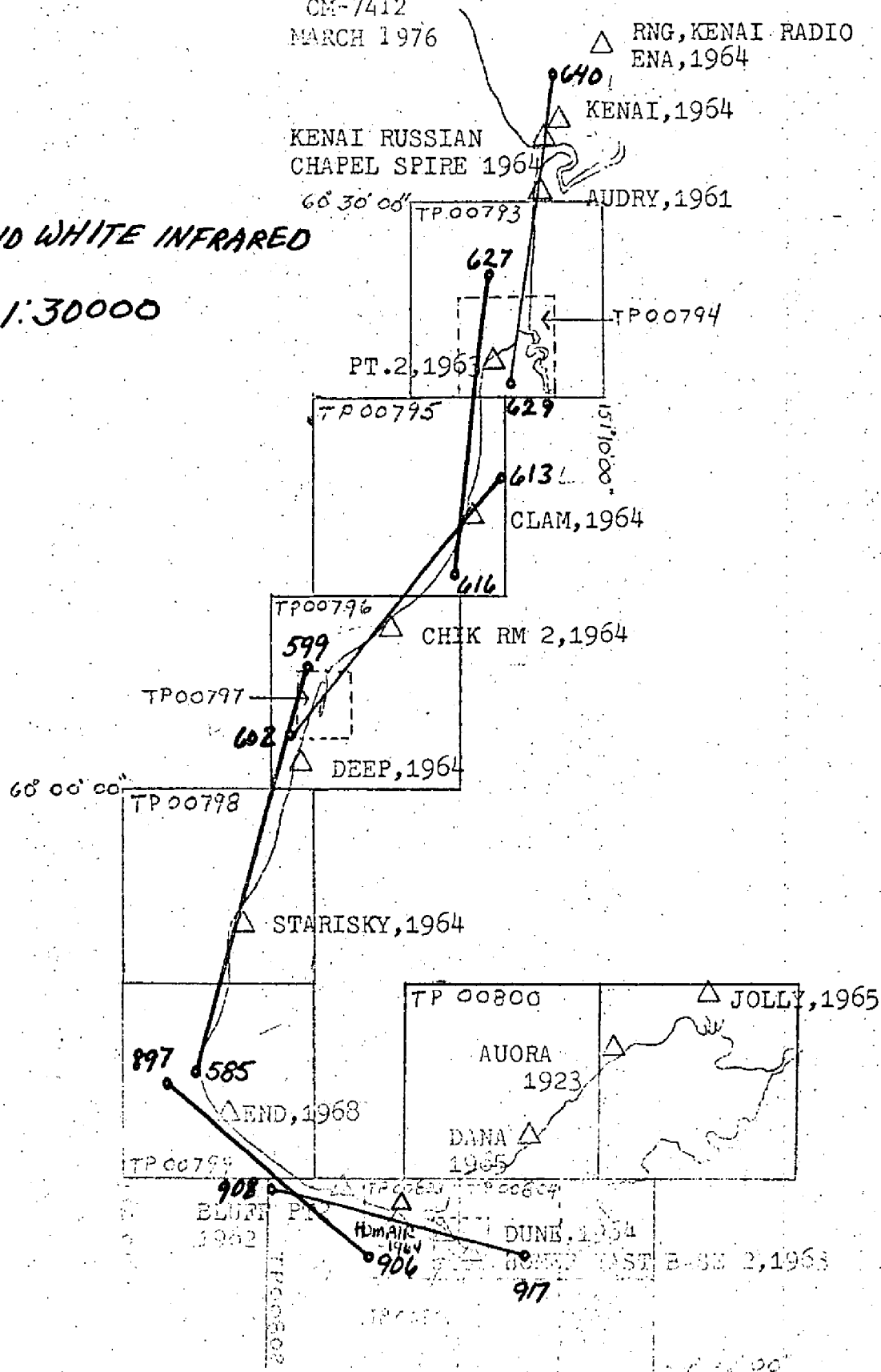
COOK INLET, ALASKA

NORTH HALF

CM-7412

MARCH 1976

BLACK AND WHITE INFRARED
75 E (R) 1:30000
MHW



AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALE

CM-7412

MARCH 1976

△ RNG, KENAI RADIO
ENA, 1964

△ KENAI, 1964

KENAI RUSSIAN
CHAPEL SPIRE 1964

△ AUDRY, 1961

60° 30' 00"

TP 00793

TP 00794

PT. 2, 1953

TP 00795

15' 10.00"

△ CLAM, 1964

TP 00796

874

△ CHIK RM 2, 1964

TP 00797

885

△ DEEP, 1964

60° 00' 00"

TP 00798

△ STARISKY, 1964

TP 00800

△ JOLLY, 1965

AUORA
1923DANA
1965

△ END, 1968

870

TP 00799

BLUFF PT 2
1962HOMAIR
1964

DUNE, 1954

HOME EAST 1962

882

TP 00801

67° 30' 00"

BLACK AND WHITE INFRARED

75 E(R) 1:15000

MHW

TP-00800

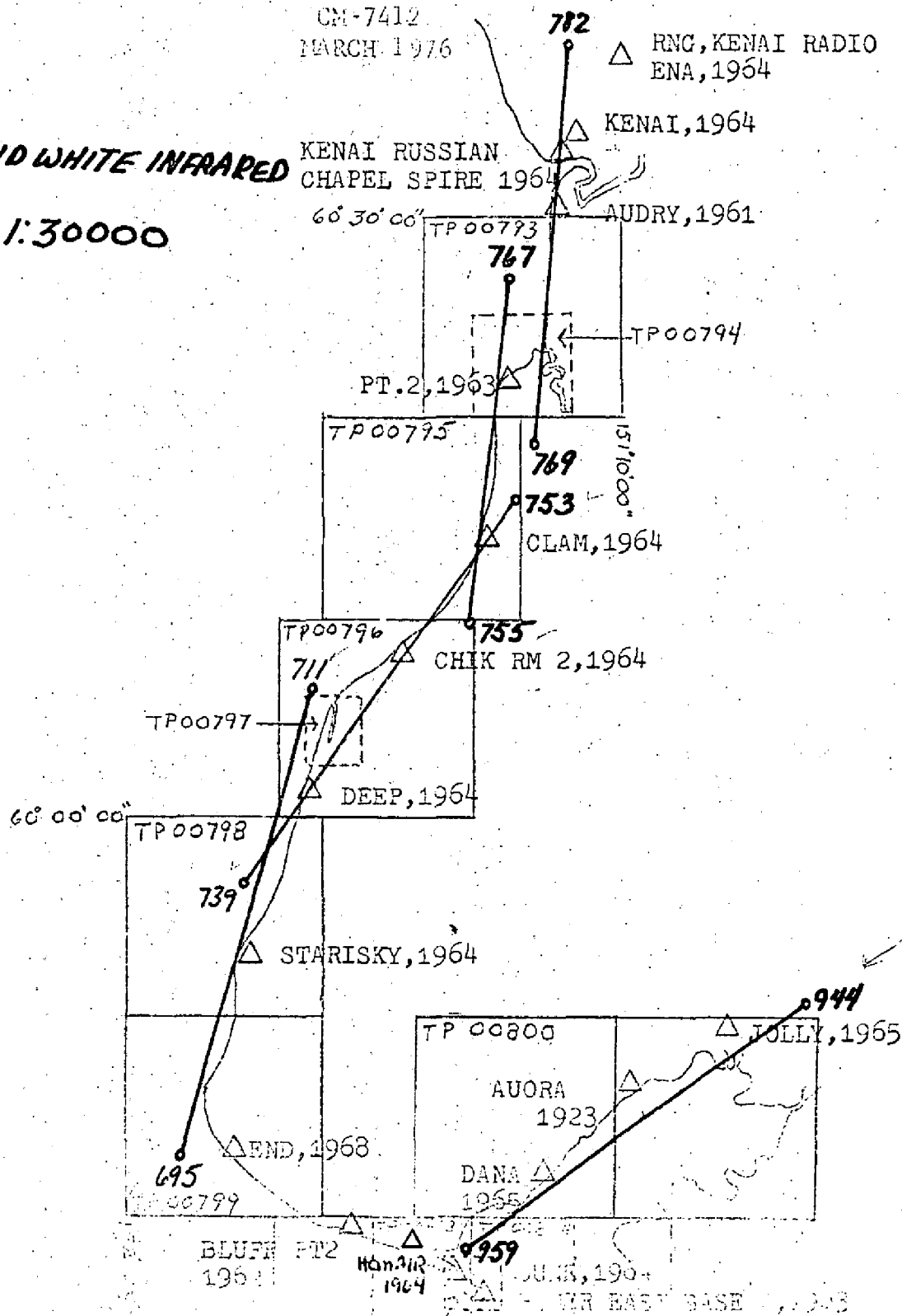
AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALF

CM-7412

MARCH 1976

BLACK AND WHITE INFRARED**75E(R)****MLLW****1:30000**

7-00800
AEROTRIANGULATION SKETCH
COOK INLET, ALASKA
NORTH HALF
CM-7412
MARCH 1976

△ RNG, KENAI RADIO
ENA, 1964

△ KENAI, 1964

KENAI RUSSIAN
CHAPEL SPIRE 1964

△ AUDRY, 1961

60° 30' 00"

TP00773

TP00794

PT. 2, 1963

TP00775

57° 10' 00"

△ CLAM, 1964

TP00796

6814

△ CHIK RM 2, 1964

TP00797

6827

△ DEEP, 1964

60° 00' 00"

TP00798

△ STARISKY, 1964

TP 00800

△ JOLLY, 1965

AUORA
1923

0057

DANA

1965

△ END, 1968

TP00779

BLUFF PT2
1962

HEMAID
1964

0061

7490

DUNS, 1964

HOMER EAST BASE 2, 1964

57° 30' 00"

COLOR FOR RATIO

75Z(c)

● 1:15000

■ 1:30000

75E(c)

▲ 1:30000

LIST OF ACCURACY OF CONTROL USED IN STRIP ADJUSTMENT

	POINT	X error (ft)	Y error (ft)
STRIP #1	276110 (VOR KENAI RADIO, ENA 1964)	-4.342	+2.126
	277100 (KENAI, 1964)	+3.096	-1.403
	277113 (KENAI RUSSIAN CHAPEL SPIRE, 1964)	+3.111	-.966
	278101 (AUDRY, SUB PT 1961)	-.694	-.203
	281101 (PT, 2 SUB PT 1963)	-4.894	+.309
	289101 (CLAM, SUB PT 1964)	+1.731	+.156
STRIP #2	289101 (CLAM)	+1.149	+.188
	291101 (CHIK RM 2 SUB PT 1964)	-2.593	+.365
	294100 (DEEP, 1964)	+2.091	-1.854
	294101 (SUB PT)	+1.247	-3.760
	297101 (STARISKY 1964 SUB PT)	-.672	+2.243
	300101 (END 1965 SUB PT)	+.024	-.946
STRIP #3	954101 (HOMER EAST BASE 2, 1965, SUB PT)	+.038	-1.192
	954110 (HOMER SPIT LT 1964)	-1.302	-2.238
	952100 (BLUFF POINT 2 DUNE 1954 1964)	-.316	+3.060
	949110 (HOMER AERO LT 1956)	+2.374	+3.742
	948110 (HOMER RADIO RANGE CENTER TOWER 1956)	-2.141	-.144
	945110 (HOMER RTR UNLTD. MAST OF 5, 1964)	+2.508	-.039
	21101 (BLUFF POINT 2 RM 4 1954)	-1.282	-3.596
	300801 (STRIP #2)	-1.547	+8.669
	300802 (")	-2.721	-.623
	300803 (")	+3.827	+1.389

		X error (ft)	Y error (ft)
STRIP #5 (CONT)	921801 (#2)	- .950	+2.448
	291101 (CHIK RM 2 1964 SUB PT)	-4.528	+ .226
	922801 (#2)	-3.924	-4.099
	923801 (#2)	+ .005	-4.693
	924801 (#2)	+2.020	- .585
	925801 (#2)	+ .229	+ .128
	289101 (CLAM 1964 SUB PT)	- .061	- .316
	926803 (#2)	+1.867	-2.156
	926804 (#2)	+1.501	-2.488

STRIP #6

928801 (#1)	- .404	- .179
928802 (#1)	- .182	+ .528
930801 (#1)	+1.362	- .043
931801 (#1)	-1.325	-3.232
281101 (PT 2, 1963 SUB PT)	-5.609	+ .708
932801 (#1)	+5.165	+5.442
932802 (#1)	+5.104	+1.864
933801 (#1)	-10.592	+3.693
933802 (#1)	+1.112	+ .351

STRIP #7

816801 (#5)	- .451	- .066
816802 (#5)	+ .986	+ .876
816803 (#5)	+1.673	+1.009
816804 (#5)	+1.681	+2.686
817801 (#5)	+1.207	+1.516

Strip #4

X error (ft) Y error (ft)

18801 (#3)	-4.690	-2.056
18802 (#3)	+2.598	-2.468
948110 (HOMER RADIO RANGE CENTER TOWER 1956)	+1.825	-5.416
948802 (#9)	+4.084	+ .238
948803 (#9)	+2.159	- .841
949110 (HOMER REBO LT. 1956)	-6.364	- .260
949802 (#9)	-1.658	- .083
949803 (#9)	+ .336	- .287
17801 (#3)	-3.734	+2.154
301101 (HOMAIR 1964 SUB PT)	- .465	+ .356
952100 (DUNK, 1964)	-2.808	+6.592
954101 (HOMER EASTBASE 2, 1965 SUB PT)	-13.966	+20.221
954110 (HOMER SPIT LIGHT 1964)	-6.957	+10.535
304110 (VOR HOMER RADIO MON. 1964 DANA 1965)	-1.881	+9.363
305101 (SUB PT)	+ .705	+2.009
307101 (AURORA 1923 SUB PT)	+1.897	+ .632
310100 (JOLLY 1965)	- .690	- .550

OMITTED

Strip #5

294100 (DEEP, 1964)	-1.456	+2.391
294101 (SUB PT)	-1.231	+1.392
916801 (#2)	- .025	+ .575
916802 (#2)	+ .486	+2.996
917801 (#2)	+1.006	+ .551
918801 (#2)	- .012	-1.965
919801 (#2)	+3.772	-1.728
920801 (#2)	+ .565	-1.202

			X error (ft)	Y error (ft)
Strip #7 (CONT)	818801	(#5)	+ .563	+ .060
	819801	(#5)	+ .919	+ .616
	820802	(#5)	- 2.371	+ 1.092
	820801	(#5)	+ .520	+ 1.577
	821801	(#5)	- .764	- 1.191
	821802	(#5)		
	822801	(#5)	- 1.233	-.695
	822802	(#5)	- 2.874	-.100
	823801	(#5)	- .542	- 1.085
	824801	(#5)	+ 1.164	- .042
	294100	(DEEP 1964)	- .276	- .151
	294101	(SUB PT)	- .187	- .032
	825801	(#5)	- .374	- 1.036
	825802	(#5)	+ .160	+ 1.685
	818802	(#5)	- .883	- .646

Strip #9

945110	(HOMER RTR UNLIGHTED MAST OF S. 1964)	+ .015	- .024
948110	(HOMER RADIO RANGE CENTER TOWER 1956)	+ .289	- 5.417
949110	(HOMER AERO LT 1956)	- .006	+ .001
952100	(DUNE 1964)	+ 1.317	- .142
954101	(HOMER EAST BASE 2, 1965 SUB PT)	+ .004	- .005
954110	(HOMER SPIT LIGHT 1964)	- 1.210	- 1.041

COMPILATION REPORT

TP-00800

31 - DELINEATION

Delineation was accomplished by stereo instrument and graphic methods. The Wild B-8 stereoplotter was used to delineate alongshore and interior detail based upon office interpretation of the 1:60,000 scale bridging/compilation color photographs. Color photographs taken the RC 10(Z) camera were ratio printed black and white and used for graphic delineation of MHW line. Supplemental tide coordinated infrared photographs were used for delineation of the MLLW line graphically.

All photographs used to compile this map are listed on NOAA Form 76-36B. Photography was adequate.

32 - CONTROL

Horizontal control was adequate. Refer to the Photogrammetric Plot Reports, north half, dated March 1976.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours were not applicable to this project.

Drainage was compiled from interpretation of the photographs and delineated by using the Wild B-8 stereoplotter.

35 - SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from the photographs described in item #31.

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument and graphic methods as described in item #31.

37 - LANDMARKS AND AIDS

There are no charted aids for navigation or landmarks within the limits of this map.

TP-00800

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-37B, item 5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to item 32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the U.S. Geological Survey
quadrangles:

Seldovia (C-4), Alaska, scale 1:63,360, dated 1961

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean
Survey charts:

No. 16645, scale 1:82,662, dated Mar. 13, 1976

No. 16640, scale 1:200,000, dated May 24, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

J. Butler
David P. Butler
Cartographic Technician
March 7, 1978

Approved:

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

March 22, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH - 7412 (Cook Inlet, East Side - Cape Kasilof to Barren Islands, Alaska)

TP - 00800

Cottonwood Creek

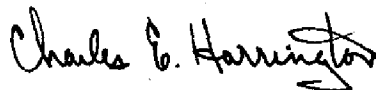
Fritz Creek

Kachemak Bay

McNeil Creek

Millers Landing

Approved by;



Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT

OPR-P114-RA-80
CM-7412
TP-00800

ALASKA

COOK INLET, EAST SIDE

CAPE KASILOF TO BARREN ISLANDS

1 FIELD UNIT

JUNE 29 - JULY 13, 1980
(JD 181 -195)

51 METHODS

Field edit operations for TP-00800 began on June 29, 1980 (JD 181) and ended on July 13, 1980 (JD 195). Field edit began after hydrographic operations had commenced for OPR-P114-RA-80. Hydrographic survey H-9876 includes all of the shoreline of TP-00800.

Inspection of the shoreline was made during low water utilizing a motorcycle and foot travel. Four-wheel drive vehicles do travel the shoreline, however, a motorcycle was considered more efficient. Rocks of charting value were located by sextant fixes rather than attempting to locate the rocks on the photos. This information was later transferred to the photographs where possible.

Heights of rocks were estimated at close range. The times noted were GMT (Alaska Daylight Time + 9 hours). Landmarks for charts were investigated from seaward.

Shoreline and topographic notes were annotated on black and white chronopaque photographs numbers 10 July 75 ER 0952-0956 and/or the Master Film Field Edit Ozalid. Annotations were made with the following ink colors: violet - verification or changes of features; green-- deletion of features; red - hydrographic features.

52 ADEQUACY OF COMPILATION

The compilation of TP-00800 was adequate and complete except for minor changes. The changes are noted on the photographs and/or the Master Film Field Edit Ozalid. All compilation questions have been answered. The mean high water line was verified by visual inspection.

53 MAP ACCURACY

The map accuracy of TP-00800 could not be determined as there were no aids or landmarks compiled on NOAA form 76-40.

54 RECOMMENDATIONS

Matte ratio photographs were not available for field use. As a result, extreme care was necessary while using the chronopaque photographs in the field. It is recommended that matte ratio photographs be made available to the field parties in the future, which has been normal procedure in the past.

Photographs 0957, 0958, 7494 and 7495 were not transmitted to the field party. All data covered by these photographs had to be reported as hydrographic data, whereas most of the data would have been visible on the photographs. It's recommended all photographs be transmitted to the field parties.

56 MISCELLANEOUS

Open communication was maintained between the field editor and hydrographer. Any duplication of information was reviewed with only one source being retained. Generally the determining factor was the field edit photographs. If the object in question was visible on the photographs, it was considered as field edit information and the duplicating hydrographic data was deleted. If the object was not visible on the photographs it was considered as hydrographic information, and reported on the hydrographic survey.

All triangulation stations located within the limits of TP-00800 were visited. One new traverse station, DANA 2, 1980, was established by the RAINIER using Third Order, Class I methods. Station descriptions and recovery notes are included in the "Separates". All other pertinent information is included in the "Separates Following the Text".

Respectfully Submitted,

Richard L. Hastings

Richard L. Hastings, SST

Approved By,

Wayne L. Mobley

Wayne L. Mobley
Captain, NOAA

REVIEW REPORT
TP-00800
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

A comparison was made with the U.S.G.S. quadrangle:
Seldovia (C-4), Alaska, scale 1:63,360, dated 1961

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

The contemporary surveys H-9876 was not available
for comparison at the time of final review July 1985.

65 - COMPARISON WITH NAUTICAL CHARTS

Comparisons were made with the following NOS charts:
16645, scale 1:82,662, dated July 30, 1983
16645, scale 1:82,662, dated March 13, 1976
16640, scale 1:200,000, dated April 23, 1983.

The chart shows numerous rocks which this map does not
show; some shoreline variations were also noted.

A Final Chart Maintenance Print indicating discre-
pancies was prepared and forwarded to Marine Charts.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

TP-00800

Submitted by:

*Charles E. Blood / James L. Byrd, Jr.*Charles E. Blood/James L. Byrd, Jr.
Final Reviewer

Approved for forwarding:

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

Approved:

*John A. McNeely*Chief, Photogrammetry Branch,
Rockville*Ronald K. Brewer*Chief, Photogrammetry Division,
Rockville

