

TP-00798

TP-00798

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00798	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 CAPE STARICHKOF	
1975 TO 1979	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00798	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS. Final	
				<input type="checkbox"/> REVISED		JOB RM-CM-7412	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC Norfolk, VA				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE Roy K. Matsushige				TYPE OF SURVEY		JOB PH.	
				<input type="checkbox"/> ORIGINAL		MAP CLASS	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation - North Sect Oct. 6, 1975				Premarking May 6, 1975			
Compilation - North Sect May 3, 1976							
Amendment I Aug. 17, 1976							
Amendment II Jan. 14, 1977							
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER				OTHER (Specify)			
<input type="checkbox"/> MEAN LOW-WATER							
<input checked="" type="checkbox"/> MEAN LOWER LOW-WATER							
<input type="checkbox"/> MEAN SEA LEVEL							
3. MAP PROJECTION				4. GRID(S)			
Transverse Mercator				STATE Alaska		ZONE 4	
5. SCALE				STATE		ZONE	
1:20,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				S. Solbeck		Mar 1976	
METHOD: Analytic (North Half) AND MARKS AND AIDS BY				J. Perrow, Jr.		Mar 1976	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				S. Solbeck		Apr 1976	
METHOD: Coradomat CHECKED BY				J. Perrow, Jr.		Apr 1976	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				F. Mauldin		Apr 1977	
COMPILATION CHECKED BY				L. O. Neterer, Jr.		Apr 1977	
INSTRUMENT: Wild B-8				CONTOURS BY		N.A.	
SCALE: 1:20,000				CHECKED BY		N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				F. Mauldin		Apr 1977	
CHECKED BY				J. Byrd		May 1977	
METHOD: Smooth drafted and				CONTOURS BY		N.A.	
graphic CHECKED BY				N.A.			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				F. Mauldin		Apr 1977	
CHECKED BY				J. Byrd		May 1977	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				J. Byrd		May 1977	
6. APPLICATION OF FIELD EDIT DATA BY				J. Roderick (partial)		Feb. 1980	
CHECKED BY				D. Butler/F. Mauldin		Jun 1980	
7. COMPILATION SECTION REVIEW BY				C. Blood		Apr 1984	
8. FINAL REVIEW BY				C. Blood/J. Byrd		Aug 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-00798

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8 E 152.71 mm Wild RC 10 C 88.47 mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Alaska	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 150th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75C(C) 6294-6298	Jul. 5, 1975	08:51	1:60,000	9.0 ft. above MLLW	
75E(I) 0588-0596*	Jul. 8, 1975	14:50	1:30,000	14.25 ft. above MLLW	
75E(I) 0700-0708**	Jul. 9, 1975	09:49	1:30,000	2.32 ft. above MLLW	
				Mean tide range 15.4 ft. Seldovia	

REMARKS Bridge and/or compilation photograph centers are not shown on the manuscript. A tide gauge 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 MHW-tide coordinated infrared (ratio) photographs.

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
TP-00796	No Survey	TP-00799	No Survey

REMARKS

TP-00798

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 None ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY L. Riggers	Jun 1975
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 BY <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 None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
75C(C)6297	Starisky, 1964 (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 (Tides Record Book)

TP-00798

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	W. Mobley	Jul-Aug 1979
2. HORIZONTAL CONTROL	RECOVERED BY J. Greene	Jul 1979
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
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 J. Greene	Jul 1979
	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 BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY J. Talbott	Jul-Aug 1979
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details) 75 E(I) 0705, 0706, 0707			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) Field Edit Report Master Field Edit Print paper computer sheet with rock positions			

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	May 1977	Class III Manuscript	Mar. 13, 1978	Mar. 14, 1978
Partial field edit applied	Feb. 1980	Class III Manuscript	None	None
Field edit applied, compilation complete	June 1980	Class I Manuscript	Jul. 15, 1980	
Final Review	Aug. 1985	Final Map	Mar 1986	Mar 1986

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Jul. 31, 1980	Landmark to be Charted

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 31, 19803. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: None

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. 76-40 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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET No.	So. Mi.	SHEET No.	So. Mi.
TP-00793	7	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-00820	16
TP-00801			
TP-00802			
TP-00803			
TP-00804	1	TP-00823	6
TP-00805		TP-00824	
TP-00806		TP-00825	
TP-00807		TP-00826	
TP-00808		TOTAL	145
TP-00809			

REVISED 9/23/76 R.W.M.
6/13/79 L.F.V.

JOB CM-7412

COOK INLET, EAST SIDE
CAPE KASLOF TO BARREN ISLANDS
ALASKA

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

MARCH 1974

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00798

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 portrays the west coast of Cook Inlet area north of Kachemak Bay from latitude 59°50' north to latitude 60°00' including Cape Starichkof.

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 July 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 July 1975. The infrared photographs were used to supplement the color compilation photography.

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

Compilation, based upon photo interpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center in May 1977. Refer to the compilation report, Item #31 and NOAA Form 76-36B for specific usage of the photography.

Field edit was conducted July and August 1979 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 June 1980.

Final review was performed at the Atlantic Marine Center in August 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-00798

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~~ A-T

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, 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.

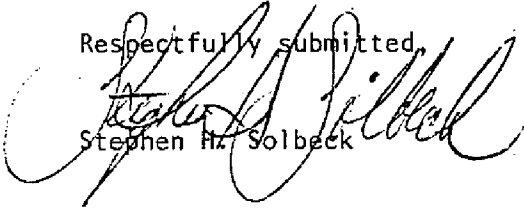
24. Supplemental Data

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

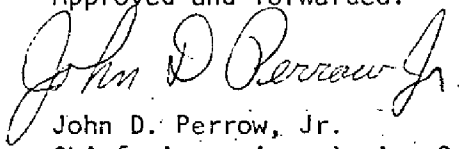
25. Photography

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 NALE

CM-7412

MARCH 1976

KENAI RUSSIAN

CHAPEL SPIRE 1964

60° 30' 00"

TP 00793

KENAI, 1964

AUDRY, 1961

TP 00794

PT. 2, 1963

TP 00795

9934

6287

CLAM, 1964

9927

6814

TP 00796

6286

CHIK RM 2, 1964

TP 00797

DEEP, 1964

60° 00' 00"

TP 00798

6327

9913

STARISKY, 1964

6300

0027

AEND, 1968

TP 00799

6945

BLUFF PT2

1964

HOMER

6301

DUNE, 1964

6301

HOMER BASE

1964

6301

0019

6315

TP 00800

AUORA

1923

DANA

1965

JOLLY, 1965

COLOR BRIDGING PHOTOGRAPHY

• 75C (c) 1:60000

• 75E (c) 1:30000

• 75Z (c) 1:15000

AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALF

CM-7412

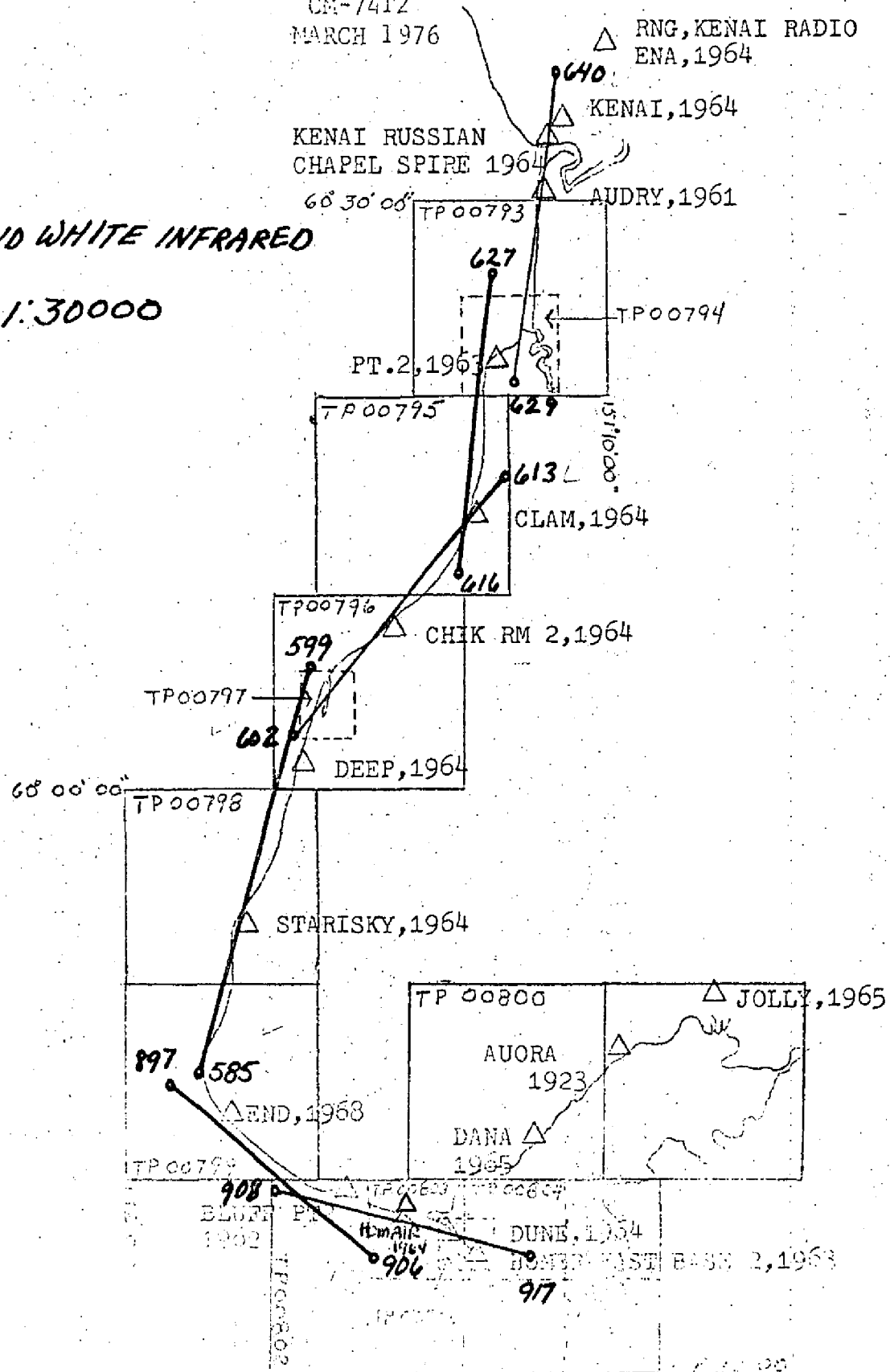
MARCH 1976

BLACK AND WHITE INFRARED

75 E(R)

1:30000

MHW



AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALF

CM-7412

MARCH 1976

△ RNG, KENAI RADIO
ENA, 1964

△ KENAI, 1964

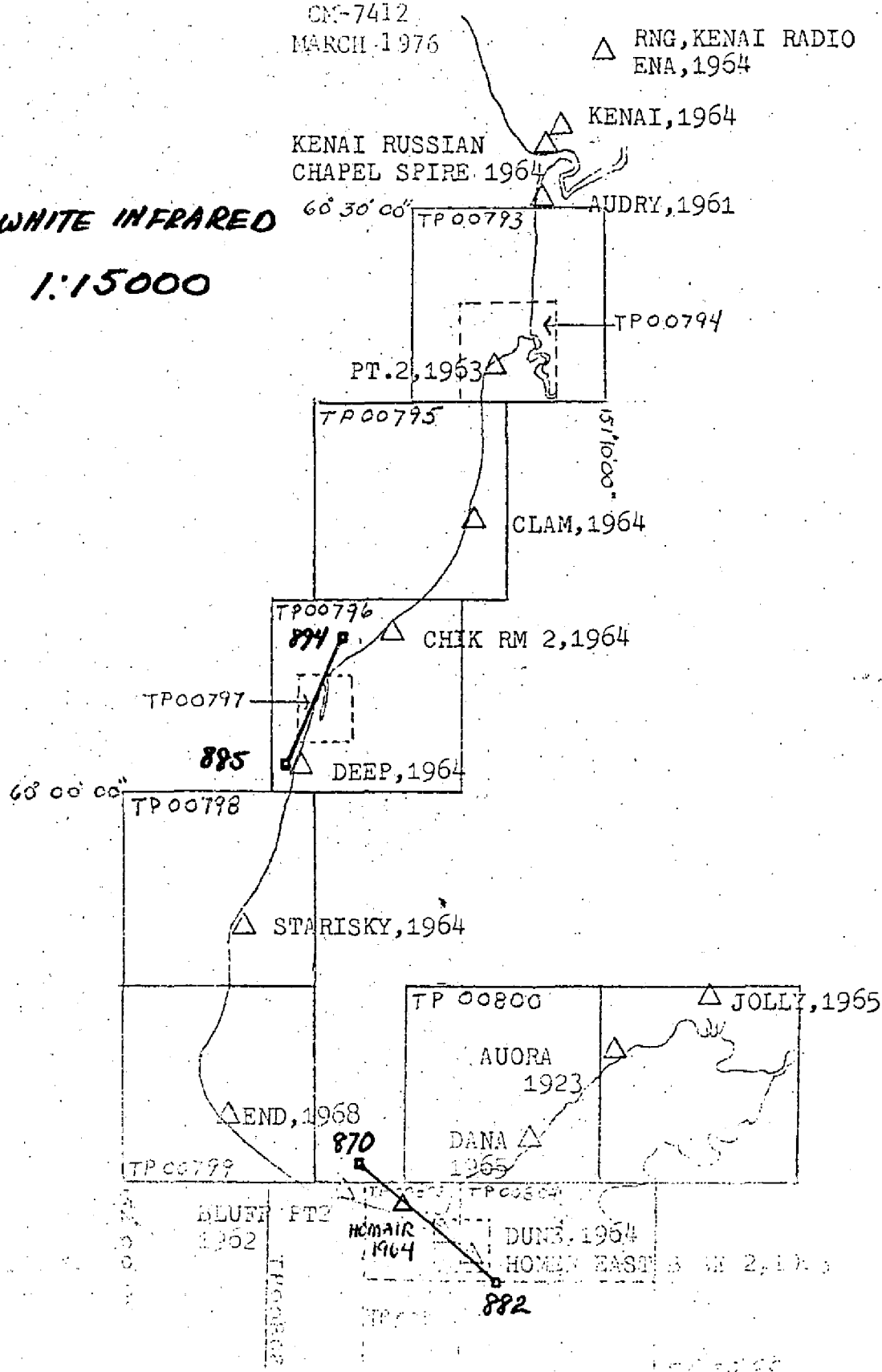
KENAI RUSSIAN
CHAPEL SPIRE 1964

AUDRY, 1961

60° 30' 00"

BLACK AND WHITE INFRARED

75 E(R) 1:15000

MHW

AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALF

CM-7412

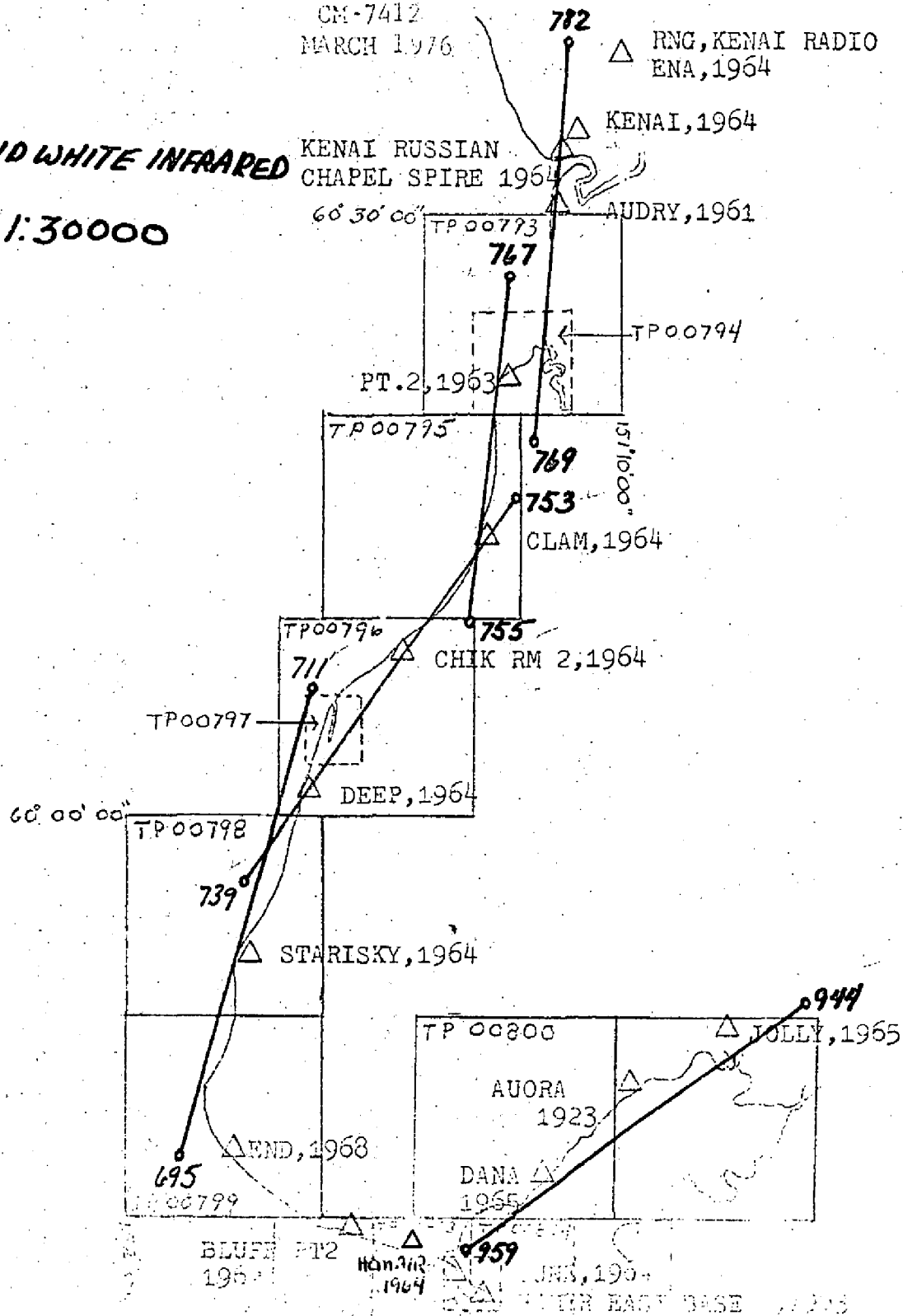
MARCH 1976

BLACK AND WHITE INFARED

75E(R)

MLLW

1:30000



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"

TP00793

TP00794

PT. 2, 1963

TP00795

15' 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

1935

△ END, 1968

TP00799

BLUFF PT2

1962

HOMER

0061

7490

DUNK, 1964

HOMER EAST BASE 2, 1964

5° 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 1968 SUB PT)	+.024	-.946
STRIP #3	954101 (HOMER EAST BIDE 2, 1965, SUB PT)	+.038	-1.192
	954110 (HOMER SPIT LT 1964)	-1.302	-2.238
	952100 (BLUFF POINT 2 DUNE 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 PTR UNLIT RD MAST OF 5, 1964)	+2.508	-.039
	21101 (BLUFF POINT 2 RM 4 1956)	-1.282	-3.596
	300801 (STRIP #2)	-1.547	+8.669
	300802 (")	-2.721	-.623
	300803 (")	+3.827	+1.389

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 AERO LT 1956)	-6.364	- .260
	949802 (#9)	-1.658	- .083
	949803 (#9)	+ .336	- .287
	17801 (#3)	-3.734	+2.154
	301101 (HOM AIR 1964 SUB PT)	- .465	+ .356
OMITTED	952100 (DUNE, 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)	-1.881	+9.363
	305101 (DANA 1965 SUB PT)	+ .705	+2.009
	307101 (AURORA 1923 SUB PT)	+1.897	+ .632
	310100 (JOLLY 1965)	- .690	- .550

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)	+1.606	+ .551
918801	(#2)	- .012	-1.965
919801	(#2)	+3.772	-1.728
920801	(#2)	+ .565	-1.202

		X error (ft)	Y error (ft)
STRIP #5 (CON'T)	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)	+1.307	+1.566

			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 5. 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	- .065
954110	(HOMER SPIT LIGHT 1964)	- 1.210	- 1.041

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM		ORIGINATING ACTIVITY		REMARKS
TP-00798	CM-7412	N.A. 1927		Unit, AMC, Norfolk, VA		
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION	REMARKS
			STATE	ZONE		
STARISKY, 1964	List of Control Homer to Soldotna, AL	297100	ALASKA	4	ϕ 59 52 53.58164 λ 151 47 02.42286	
			X=			
			Y=			
			X=			
			Y=			
			X=			
			Y=			
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			X=			
			Y=			
			X=			
			Y=			
			X=			
			Y=			
			X=			
			Y=			
COMPUTED BY	A. Rauck	DATE	COMPUTATION CHECKED BY			DATE
LISTED BY	A. Rauck	DATE	LISTING CHECKED BY			DATE
HAND PLOTTING BY	A. Rauck	DATE	HAND PLOTTING CHECKED BY			DATE

COMPILATION REPORT

TP-00798

31 - DELINEATION

Delineation was accomplished by stereo instrument and graphic compilation methods. The Wild B-8 stereoplotter with 1:60,000 scale color bridging photographs was used to delineate alongshore and interior detail, and to locate common image points to graphically control the 1:30,000 scale infrared photography. The MHW and MLLW lines were compiled graphically using the tide coordinated infrared photography.

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 Report, 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 methods as described in item #31.

37 - LANDMARKS AND AIDS

Within the limits of this manuscript there were no aids for navigation. There is one landmark which is a triangulation station.

TP-00798

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 Photogrammetric Plot Report, North half, dated March 1976.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the U.S. Geological Survey
Quadrangle:
Seldovia (D-5), Alaska, scale 1:63,360, dated 1961

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the National Ocean Survey
chart:
No. 16640, scale 1:200,00, dated May 25, 1974.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

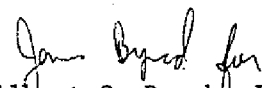
None.

Submitted by:



Fay T. Mauldin
Cartographer
April 27, 1977

Approved:



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 - 00798

Cape Starichkof

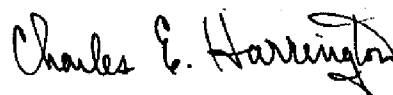
Cook Inlet

Happy Creek

Happy Valley (locality)

Stariski Creek

Approved by;

Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT

OPR-P114-RA-79
CM7412
TP 00798

ALASKA
Cook Inlet, East Side
Cape Kasilof to Barren Islands

1 Field Edit

23 July 1979 - 11 August 1979
(J.D. 204 - J.D. 223)

METHODS

Field edit operations on TP-00798 were commenced on July 23, 1979 (J.D. 204) and completed on August 11, 1979 (J.D. 223). The field edit was conducted in accordance with reference (a) through (d) and concurrently with hydrographic operations on surveys H-9835 and H-9840, OPR-P114-RA-79.

Inspection of shoreline was made during periods of predicted zero or negative tide levels utilizing a Boston Whaler, four wheel drive vehicle or on foot. All off shore rocks were positioned by visual inspection of photographs and by using range-azimuth hydrographic methods. All stations used to control range-azimuth positioning were established by Third Order geodetic methods. A position plot of all rocks investigated, separate (3), was then compared with the photograph and master film field edit ozalid for verification of compiled features. Extreme high and low tides were experienced during this survey and all rock investigations were coordinated to coincide with the lowest tides during the month. Landmarks for charts were investigated from a Boston Whaler and from the ship RAINIER while in the project area. Heights of all rocks investigated were estimated at close range. All times noted are GMT (local + 9 hours). A fix number was assigned to each item investigated and a master listing is attached as enclosure (1). Unless otherwise stated, all fixes are on single rocks. Shoreline and topographic notes are annotated on the black and white chronopaque photographs: 09 July 75 ER(1) - 0705-0707 or on the Master film field edit ozalid. All annotations were made using colors with the following meanings: Violet - verification of compiled features, green - deletion of compiled features. The annotation format on the photos consists of a fix number, julian date, time (zulu), and description. (eg. fix 201, J.D. 195, 2105Z, bares two feet). Rocks verified on the master film field edit ozalid are annotated with the fix number only, (eg 095), which can be cross referenced to the photo number or hydrographic position by referring to enclosure (1).

ADEQUACY AND COMPLETENESS OF COMPILATION

The compilation of TP-00798 is adequate and complete. All features, including bluff heights, mean low water line, mean high water line, and inshore features are accurate except where noted on the photographs or on the master film field edit ozalid.

MANUSCRIPT ACCURACY

While conducting the survey of TP-00798, thirty-six rocks were investigated. Six rocks were verified as compiled, no compiled

rocks were deleted and thirty new rocks were found. Of the thirty-six rocks investigated, ten are visible on the photographs and are reported as field edit. All rocks located during the survey that were not visible on the photographs were transferred to, and reported, as hydrography.

RECOMMENDATIONS AND MISCELLANEOUS COMMENTS

Five rocks appearing on TP-00798 were not verified and therefore should not be deleted. These rocks were located in areas with several other rocks and could not be conclusively distinguished on the photographs in the field. In general, areas with large numbers of rocks were fixed by those most off shore rocks and submitted to the hydrography as foul areas.

The photography covering this survey area was adequate as there were fewer rocks which would bare at low water than on the survey sheets to the north. Approximately thirty percent of the rocks investigated were visible on the photographs. Enclosure (1) is attached as a cross reference of all items investigated during the survey of TP-00798. All items reported by field edit are indicated by "Field Edit" in the recommendation column. Enclosures (2) through (7) contain other information pertinent to this report.

Respectfully Submitted,

Joseph C. Talbott

Joseph C. Talbott
Lieutenant, Junior Grade, NOAA

REVIEW REPORT
TP-00798
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 following U.S.G.S. quadrangle:
Seldovia (D-5), Alaska, scale 1:63,360, dated 1961.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with the following contemporary
hydrographic surveys:
H-9835, scale 1:20,000, dated March 16, 1982
H-9840, scale 1:20,000, dated December 4, 1981.

65 - COMPARISON WITH NAUTICAL CHARTS

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

The above listed chart compared well with this manuscript.

A Final Chart Maintenance Print indicating discrepancies 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-00798

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 P. Mooney
Chief, Photogrammetric Section,
Rockville*Ronald K. Brewer*
Chief, Photogrammetry Branch,
Rockville

[illegible]

TYPE OF ACTION		RESPONSIBLE PERSONNEL	
	NAME		ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	J. Greene	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)	
POSITIONS DETERMINED AND/OR VERIFIED	J. Greene	FIELD ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	J. Roderick	OFFICE ACTIVITY REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.)			
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75		FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982	
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75		II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.			

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected charts.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the R-

FORM 990-SS (2018) SUPPLEMENTS ALL EDITIONS OF FORM 990-SS