

TP-00796

TP-00796

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00796	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 NINILCHIK	
19 75 TO 19 79	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP- 00796 MAP EDITION NO. (1) MAP CLASS Final JOB RM CM-7412	
DESCRIPTIVE REPORT - DATA RECORD PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, 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				S. Solbeck		Mar 1976	
METHOD: Analytic (North half) HANDMARKS 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				L. Neterer, Jr.		Dec. 1976	
COMPILATION CHECKED BY				A. Rauck, Jr.		Dec 1976	
INSTRUMENT: Wild B-8				CONTOURS BY		N.A.	
SCALE: 1:20,000				CHECKED BY		N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				L. Neterer, Jr.		Dec 1976	
CHECKED BY				A. Rauck, Jr.		Dec 1976	
METHOD:				CONTOURS BY		N.A.	
CHECKED BY				N.A.			
SCALE: 1:20,000				HYDRO SUPPORT DATA BY		I. Perkinson	
CHECKED BY				J. Minton		Feb 1977	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				J. Minton		Feb 1977	
6. APPLICATION OF FIELD EDIT DATA BY				J. Roderick		Jun 1980	
CHECKED BY				D. Butler		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		MAY 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-00796

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8 E 152.71 mm Wild RC 8 C 88.47 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 <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Alaska	<input type="checkbox"/> DAYLIGHT
MERIDIAN		150th			
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75C(C)6290-6294	Jul.5,1975	08:51	1:60,000	9.0 ft. above MLLW	
75E(I)0604-0608*	Jul.8,1975	15:03	1:30,000	18.5 ft. above MLLW	
75E(I)0595-0597*	Jul.8,1975	14:50	1:30,000	18.4 ft. above MLLW	
75E(I)0744-0748**	Jul.9,1975	10:11	1:30,000	0.3 ft. above MLLW	
75E(I)0708-0709**	Jul.9,1975	09:49	1:30,000	0.9 ft. below MLLW	
Mean tide range 16.7 ft at Seldovia					

REMARKS Tide staffs were observed at Kenai and Seldovia for the infrared photography. Bridge and/or compilation photograph centers are not shown on the manuscript. The Mean High Water at Seldovia is 17.0 ft. above MLLW.

2. SOURCE OF MEAN HIGH-WATER LINE:

*The MHWL was compiled graphically from the above tide coordinated infrared photography. The tide level was determined from a tide staff at Kenai.

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

**The MLLWL was compiled graphically from the above tide coordinated infrared photography. The tide level was determined from predicted tide tables.

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-00795	No Survey	TP-00798	No Survey

REMARKS

TP-00797 scale 1:5,000 lies within this TP sheet.

TP-00796

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
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	L. Riggers
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	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)6294 75C(C)6291	DEEP, 1964 CHIK R.M.2, 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: <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) 3 - Forms 152 2 - Forms 277 (Tides Record Book)			

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

TP-00796

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	W. Mobley	Jun-Jul 79
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	J. Talbott
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) 75E(I)0747, 0746			
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			

NOAA FORM 76-36D
(3-72)

TP-00796

U. S. DEPARTMENT OF COMMERCE
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	Feb. 1977	Class III Manuscript	Apr. 4, 1977	Mar. 30, 1977
Partial field edit applied	Feb. 1980	Class III Manuscript	None	None
Field edit applied, compilation complete	Jun. 1980	Class I Manuscript	Jul. 15, 1980	
Final Review	Aug. 1985	Final Map	Mar 1986 Nov 1985	Mar 1986

II. LANDMARKS AND AIDS TO NAVIGATION

None

1. 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: None3. ☐ 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 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	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	18
TP-00801			
TP-00802			
TP-00803			
TP-00804			
TP-00805		TP-00823	19
TP-00806			
TP-00807			
TP-00808			
TP-00809			
		TOTAL	195

REVISED 9/23/76 R.W.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-00796

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 60°00' north to latitude 60°10' with the exception of the 1:5,000 scale inset area of TP-00797, which is not shown on this manuscript.

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 photography was used to supplement the color compilation photography.

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 photo interpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center, February 1977. 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 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-00796

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, 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.

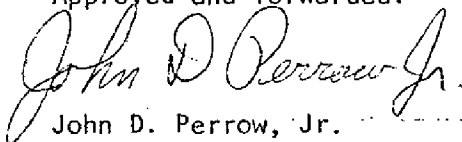
25. Photography

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

KENAI RUSSIAN
CHAPEL SPIRE 1964

60° 30' 00"

TP 00793

KENAI, 1964

RNG, KENAI RADIO
ENA, 1964

AUDRY, 1961

COLOR BRIDGING PHOTOGRAPHY

◦ 75C (c) 1:60000

◦ 75E (c) 1:30000

◻ 75Z (c) 1:15000

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

9913

STARISKY, 1964

6300

0027

LEND, 1968

TP 00799

TP 00800

AUORA

1923

DANA

1965

JOLLY, 1965

BLUFF PT2

1962

HOMER

1964

DUNE, 1964

HOMER BASE 2, 1965

6301

6302

0014

59° 30' 00"

6315

AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALF

CM-7412

MARCH 1976

△ RNG, KENAI RADIO
ENA, 1964

△ KENAI, 1964

KENAI RUSSIAN
CHAPEL SPIRE 1964

60° 30' 00"

TP00793

AUDRY, 1961

TP00794

PT. 2, 1953

TP00795

15' 00"

△ CLAM, 1964

TP00796

6814

△ CHIK RM 2, 1964

TP00797

6827

△ DEEP, 1964

60° 00' 00"

TP00798

△ STARISKY, 1964

TP 00800

AUORA
19230057
DANA

△ JOLLY, 1965

△ END, 1968

TP00799

BLUFF PT2
1962

0061 7490

DUNE, 1964

HOMER EAST BASE 2, 1963

57° 30' 00"

COLOR FOR RATIO

75Z(c)

1:15000

1:30000

75E(c)

1:30000

AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALF

CN-7412

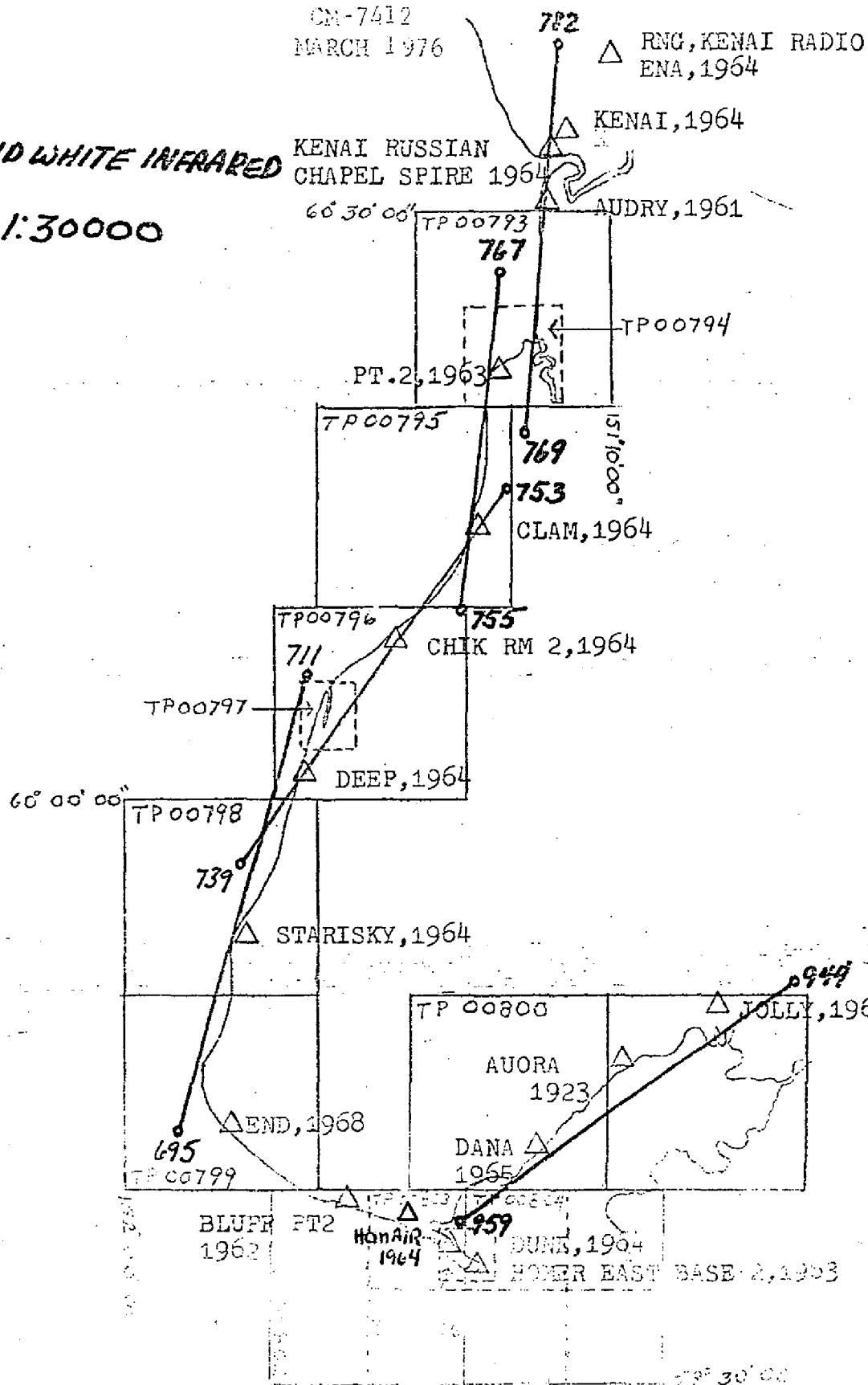
MARCH 1976

BLACK AND WHITE INFRARED

75E(R)

MLLW

1:30000



AEROTRIANGULATION SKETCH

COOK INLET, ALASKA

NORTH HALF

CS-7412

MARCH 1976

△ RNG, KENAI RADIO
ENA, 1964

KENAI, 1964

KENAI RUSSIAN
CHAPEL SPIRE 1964

AUDRY, 1961

60° 30' 00"

TP 00793

TP00794

PT. 2, 1953.

TP00795

151°10'00"

CLAM, 1964

TP00796

894

CHIK RM 2,1964

TP00797

685

DEEP, 1964

60° 00' 00"

TP 00798

△ STARISKY, 1964

TP 00800

△ JOLLY, 1965

AUORA
1923

DANA Δ
1965

~~Δ~~END, 1968

870

TP 00799

BLUFF PT2
1962

HOMAIR
1964

DUNE, 1954

HOMER EAST BASE 2, 1983

882

7000000

157' 50' 00

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

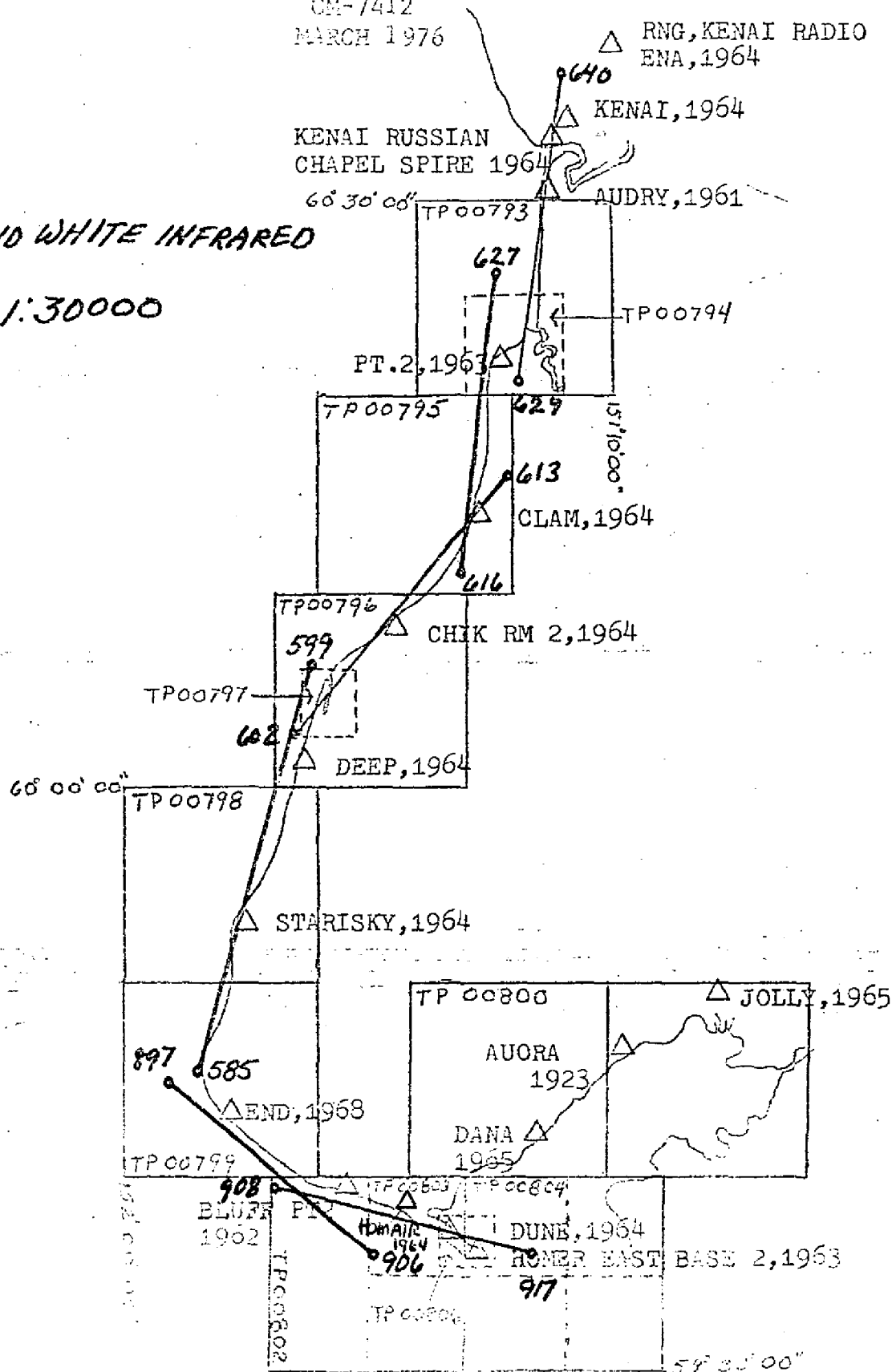
66° 30' 00"

BLACK AND WHITE INFRARED

75 E (R)

1:30000

MHW



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 BASE 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 UNLITED 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	(HOMER AIR 1964 SUB PT)	- .465	+ .356
952100	(DUNE, 1964)	-2.808	+6.592
954101	(HOMER EASTBASE 2, 1965 SUB PT)	-13.966	+20.221
954110	(HOMER SPIT LIGHT 1964 VOR HOMER)	-6.957	+10.535
304110	(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

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 #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)	+1.307	+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 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	- .065
954110	(HOMER SPIT LIGHT 1964)	- 1.210	- 1.041

COMPILATION REPORT

TP-00796

31 - DELINEATION

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

There are no aids for navigation or landmarks shown on this manuscript. One aid for navigation and one landmark are shown on the Ninilchik, 1:5,000 scale inset, TP-00797.

TP-00796

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 MAPSA comparison has been made with the U.S. Geological Survey
Quadrangles:

Kenai (A-4), Alaska, scale 1:63,360, dated 1952

Kenai (A-5), Alaska, scale 1:63,360, dated 1951.

47 - COMPARISON WITH NAUTICAL CHARTSA 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.

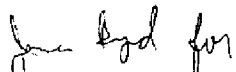
ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

Irene Perkinson
Cartographic Technician
January 13, 1977

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00796

Field edit was adequate; questions asked the field editor were answered. Rock positions applied to the map were from photographs and a paper computer sheet of plotted rock positions. Rock positions number 10 and numbers 12 thru 16, located along the foreshore north of latitude $60^{\circ}09.7$, were oriented to a tide level from predicted tide tables, when approved tide records were not available. All other rock tide data was by approved tide records.

A change was made on this manuscript to junction with inset TP-00797, 1:5,000 scale.

March 22, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP - 00796

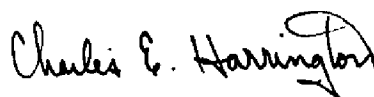
Cape Ninilchik

Cook Inlet

Deep Creek

Jackinsky Ranch

Approved by;



Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT

OPR-P114-RA-79
CM-7412
TP-00796

ALASKA

Cook Inlet, East Side
Cape Kasilof to Barren Islands

1 Field Edit

12 June 1979 - 11 July 1979
(J.D. 163 - J.D. 192)

METHODS

Field edit operations on TP-00796 were commenced on June 12, 1979 (J.D. 163) and completed on July 11, 1979 (J.D. 192). The field edit was conducted in accordance with references (a) through (d) and concurrently with hydrographic operations on surveys H-9833 and H-9834, OPR-P114-RA-79.

Inspection of the shoreline was made during periods of predicted zero or negative tide levels utilizing a Boston Whaler, four wheel drive vehicle or on foot. All offshore rocks were positioned by visual inspection of photographs or by using visual hydrographic methods. A position plot of all rocks located by visual methods, separates (3), was then compared with the photos 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 occurring 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(I) - 0746, 0747 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. (eq. fix 201, J.D. 195, 2105Z bares 2 ft.). Rocks verified on the master film field edit ozalid are annotated with the fix number only, (eq. 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-00796 is adequate and complete. All features, including bluff heights, MLLWL, MHWL 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-00796, 165 rocks were investigated. Nine rocks were verified as compiled, no compiled rocks were deleted, and 156 new rocks were found. Of the 165 rocks investigated, 15 are

visible on the photographs and are reported as field edit. All rocks located during this survey that were not visible on the photographs were transferred to and reported as hydrography.

RECOMMENDATIONS AND MISCELLANEOUS COMMENTS

Fifteen rocks appearing on TP-00796 were not verified and therefore should not be deleted. The large number of rocks and poor water visibility in the area made it impossible to distinguish between individual rocks in the field and those compiled on the ozalid. In most cases, navigation accuracy with the Boston Whaler was not adequate to disprove the existence of a compiled rock. Commercial salmon fishing season was open during the months of June and July in this area. The method of fishing used is primarily set nets between anchored floats. Each net is approximately forty meters in length and a series of nets is set in an overlapping configuration which extends as far out as one mile off shore. The area northeast of Ninilchik was covered with about 300-500 floats during the season and as the photography used to compile TP-00796 was flown during the same period in 1975 it is possible that many of the objects appearing on the photographs may be fishing floats or small boats tending nets.

Due to the large number of rocks and poor water clarity in the area of TP-00796 it is imperative that tide controlled low water photography be used to adequately determine locations of rocks and to delineated foul areas. The height of the tide (four feet), when the low water photography was flown does not adequately display the actual beach topography. The slope of the beach and distribution of rocks in this area are such that by utilizing photographs flown during a zero tide an estimated sixty percent of the rocks investigated would have been photo-identified instead of only about ten percent.

Enclosure (1) is attached as a cross reference of all items investigated during the survey of TP-00796. All items reported by field edit are indicated by "Field Edit" in the recommendation column.

Enclosures (2) through (6) contain other information pertinent to this report.

Respectfully Submitted,

Joseph C. Talbott
Joseph C. Talbott
Lieutenant, Junior Grade, NOAA

REVIEW REPORT
TP-00796
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. quadrangles:
Kenai (A-4), Alaska, scale 1:63,360, dated 1952
Kenai (A-5), Alaska, scale 1:63,360, dated 1951.

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-9833, scale 1:20,000, dated December 30, 1980.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the NOS chart:
16640, scale 1:200,000, dated ~~Nov 29~~ 29, 1980.

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-00796

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

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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

- [illegible]