

TP-00809

TP-00809

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1> DESCRIPTIVE REPORT </h1>	
<i>Map No.</i> TP-00809	<i>Edition No.</i> 1
<i>Job No.</i> CM-7412	
<i>Map Classification</i> FINAL MAP - FIELD EDITED	
<i>Type of Survey</i> SHORELINE	
<h2> LOCALITY </h2>	
<i>State</i> ALASKA	
<i>General Locality</i> COOK INLET, EAST SIDE CAPE KASILOF TO BARREN ISLANDS	
<i>Locality</i> HALIBUT COVE LAGOON	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 19₇₅ TO 19₈₀ </div>	
<h2> REGISTERED IN ARCHIVES </h2>	
<i>DATE</i>	

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. 00809 MAP EDITION NO. (1) MAP CLASS Final JOB RM CM-7412	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, AMC, Norfolk, VA				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
OFFICER-IN-CHARGE Roy K. Matsushige							
I. INSTRUCTIONS DATED							
1. OFFICE Aerotriangulation - North Sect Oct. 6, 1975 Compilation - North Sect May 3, 1976 Amendment I Aug. 17, 1976 Amendment II Jan. 14, 1977 Aerotriangulation - South Sect Oct. 4, 1976 Compilation - South Sect Aug. 2, 1979				2. FIELD 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 1:10,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				B. Thornton		Jan. 1977	
METHOD: Analytic South half LANDMARKS AND AIDS BY				J. Perrow, Jr.		Jan 1977	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				B. Thornton		Jan 1977	
METHOD: Coradomat CHECKED BY				J. Perrow, Jr.		Jan 1977	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				J. Moler		May 1980	
COMPILATION CHECKED BY				F. Mauldin		Jun 1980	
INSTRUMENT: Wild B-8				N.A.			
SCALE: 1:10,000				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J. Moler		May 1980	
CHECKED BY				F. Margiotta		Jun 1980	
METHOD: Smooth drafted and				N.A.			
graphic				N.A.			
SCALE: 1:10,000 HYDRO SUPPORT DATA BY				J. Moler		May 1980	
CHECKED BY				F. Margiotta		Jun 1980	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Margiotta		Jun 1980	
6. APPLICATION OF FIELD EDIT DATA BY				L. Williams		Mar 1981	
CHECKED BY				F. Margiotta		Aug 1981	
7. COMPILATION SECTION REVIEW BY				F. Margiotta		Aug 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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8E 152.71 Wild RC 10C 88.47		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES				Alaska	
<input checked="" type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				150th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
75C(C) 7212-7213#	Aug. 3, 1975	11:23	1:60,000	12.9 ft. above MLLW	
75E(C) 0485-0486*	Jul. 8, 1975	12:53	1:30,000	16.57 ft. above MLLW	
75E(I) 1460-1461*	Aug. 7, 1975	12:36	1:30,000	18.16 ft. above MLLW	
76E(I) 4077-4078**	Jun. 12, 1976	09:13	1:30,000	0.49 ft. below MLLW	
75E(I) 1513-1514**	Aug. 10, 1975	10:48	1:30,000	0.50 ft. above MLLW	
76E(I) 4273-4274**	Jun. 25, 1976	07:20	1:30,000	0.87 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 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-00805	No Survey	No Survey	TP-00808

REMARKS

TP-00809

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 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 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 None		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
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) Project data: 2 Form 277, 1 Form 77-53 (Tides Record Books)			

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00809
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	W. Mobley	Jul 1980
2. HORIZONTAL CONTROL	RECOVERED BY None ESTABLISHED BY R. Hastings PRE-MARKED OR IDENTIFIED BY None	Jul 1980
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 type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R. Hastings	Jul 1980
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
None2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

NOS 10 Aug 75ER-1514

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)

Field Edit Report
Master Field Edit Print

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00809
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	June 1980	Class III Manuscript Superseded	Jun. 5, 1980	Jun. 5, 1980
Field edit applied compilation complete	Aug. 1981	Class I Map	Aug 1981	
			mar 1986	mar 1986
Final Review	July 1985	Final Map		

II. LANDMARKS AND AIDS TO NAVIGATION

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: _____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 ~~66~~ 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	N	TP-00810	17
TP-00794		TP-00811	17
TP-00795		TP-00812	17
TP-00796		TP-00813	17
TP-00797		TP-00814	17
TP-00798		TP-00815	17
TP-00799		TP-00816	17
TP-00800			
TP-00801		TP-00820	17
TP-00802			
TP-00803		TP-00823	17
TP-00804		TP-00824	17
TP-00805		TP-00825	17
TP-00806		TP-00826	17
TP-00807		TOTAL	14
TP-00808			
TP-00809			

REVISED 9/23/75 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-00809

This 1:10,000 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 shoreline of China Poot Bay and Halibut Cove Lagoon; the area is between longitudes 151°05.0' and 151°15.0', and latitudes 59°30.0' and 59°35.0'.

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 June 1976.

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, August 1975 and June 1976. The infrared photographs were used to supplement the color compilation photography.

Analytic aerotriangulation was adequately provided by the Washington Science Center for the south part of the project in January 1977. 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, June 1980. Refer to the compilation report, item #31 and NOAA Form 76-36B for specific usage of the photography.

Field edit was conducted 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 August 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-00809

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.

Photogrammetric Plot Report
Cape Kasilof to Barren Islands

Job CM-7412
South ~~Part~~
January 1977

Job index was revised June 13, 1979
Number of sheets compiled, revised
March 7, 1984 C.E.B.

Area Covered

The area covered by this report is the south central coastal area of Cook Inlet, Alaska, from ~~Cape Kasilof~~ ^{Kachemak Bay} to Barren Island. This area is covered by ~~six~~ ^{ten} 1:20,000 scale sheets, ~~eight~~ ^{ten} 1:10,000 scale sheets, and ~~seven~~ ^{ten} 1:5,000 scale sheets.
Canceled

Method

Nine strips (four 1:60,000 scale, five 1:30,000 scale) of bridging photography were measured by analytic aerotriangulation methods. The nine strips of bridging photography were controlled by field identified control including some additional points drilled and tied from the 1:60,000 scale photography to the 1:30,000 scale photography where field identified control was inadequate for a satisfactory strip adjustment.

Common points were located on the bridging photography and the tide controlled IR for ratio purposes. Tie points were used in all strips to insure an adequate junction of all strips during the strip adjustments. Ties to the compilation photography were made also.

The manuscripts are being plotted on the coradomat and will be sent upon completion.

Ratios have been ordered for the MHW and MLLW (1-6-77). A copy of this order will be included in this report.

Adequacy of Control

Several stations (Tutka-000158, Halibut Cove Light, Panel - 12101, Table Mtn., Panel-178101) were bad due to snow coverage or other reasons which made it difficult to obtain an adjustment adequate to N.M.A.S.

Strip #1, 76-C(C) 4975 thru 4987 was terminated early when flown, (planned originally to extend from sheet 801 thru 823) which gave us weak and poorly distributed control to properly check and strengthen overlapping strips.

There was a problem with the "C" camera, which was used for several of the bridging strips, that introduced a random error into the strip adjustments. This problem was bypassed by removing the correction values for film distortion in the strip adjustments.

In conclusion, with all the problems encountered and their respective errors introduced into the job, the adequacy of control overall is fair.

Supplemental Data

USGS quadrangles were used to provide vertical control for the strip adjustments.

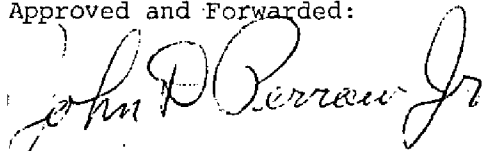
Photography

The coverage, overlap and quality of the photography was adequate for the job with the exception of the above mentioned "C" camera.

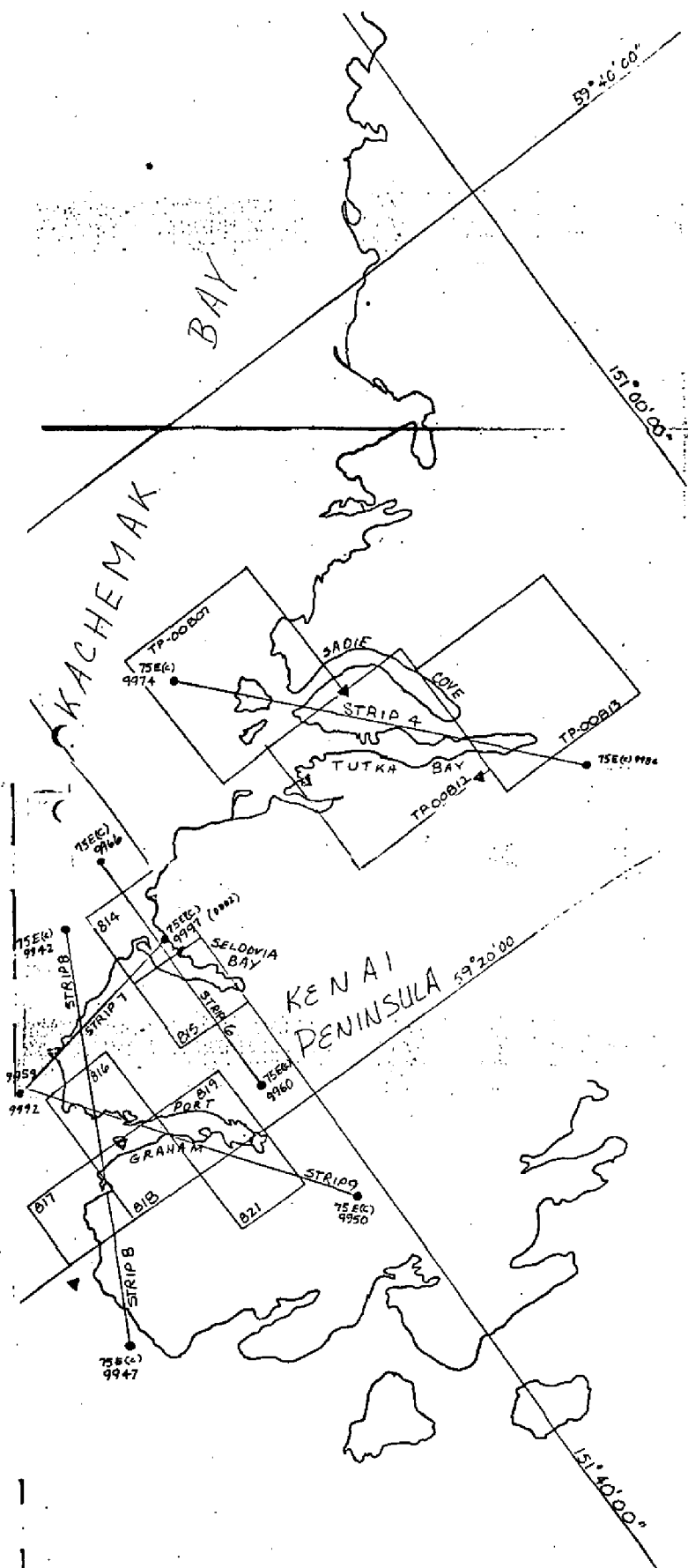
Submitted by:

Brian Thornton

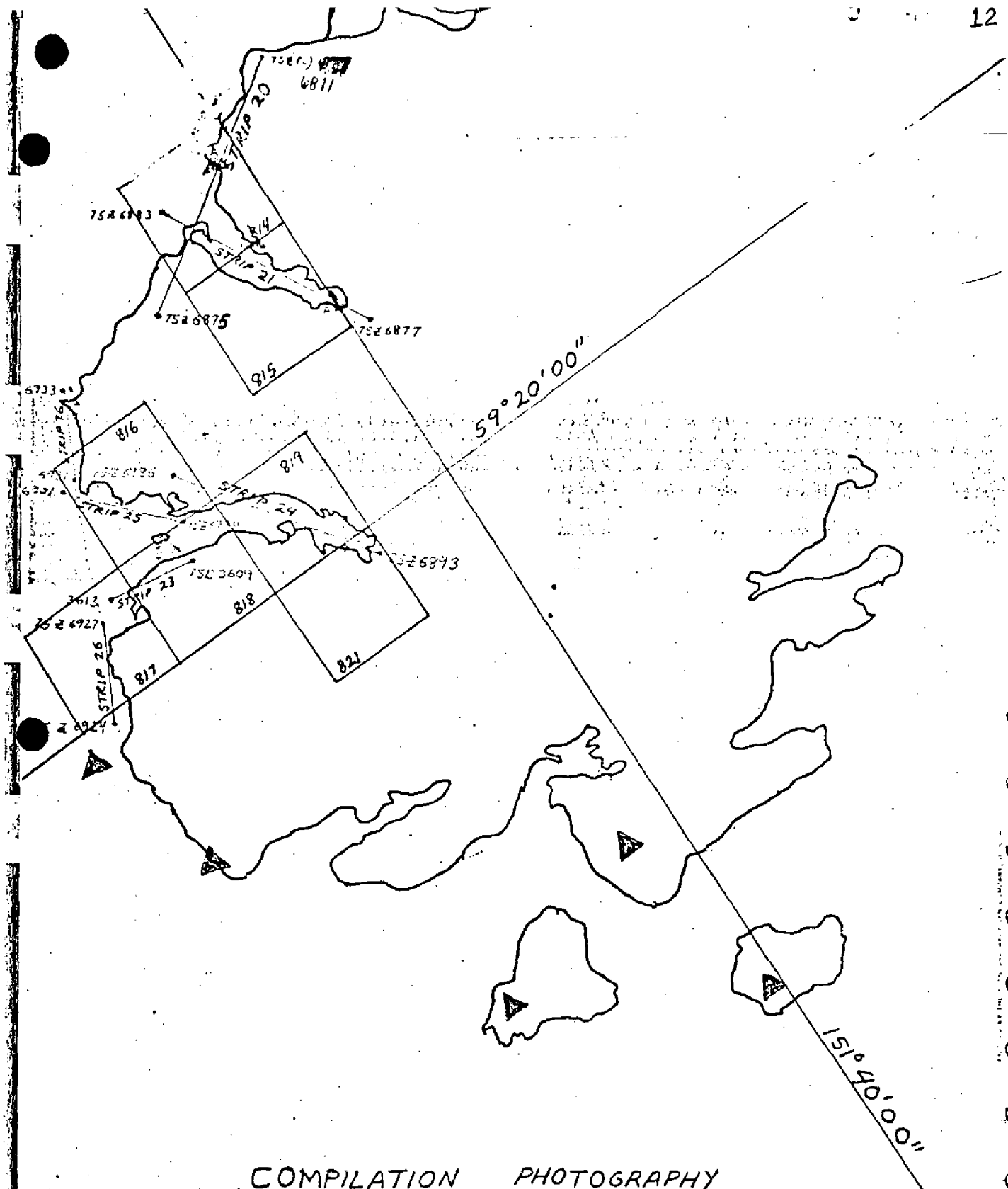
Approved and Forwarded:

A handwritten signature in cursive script, reading "John D. Berrow Jr.", written in dark ink.

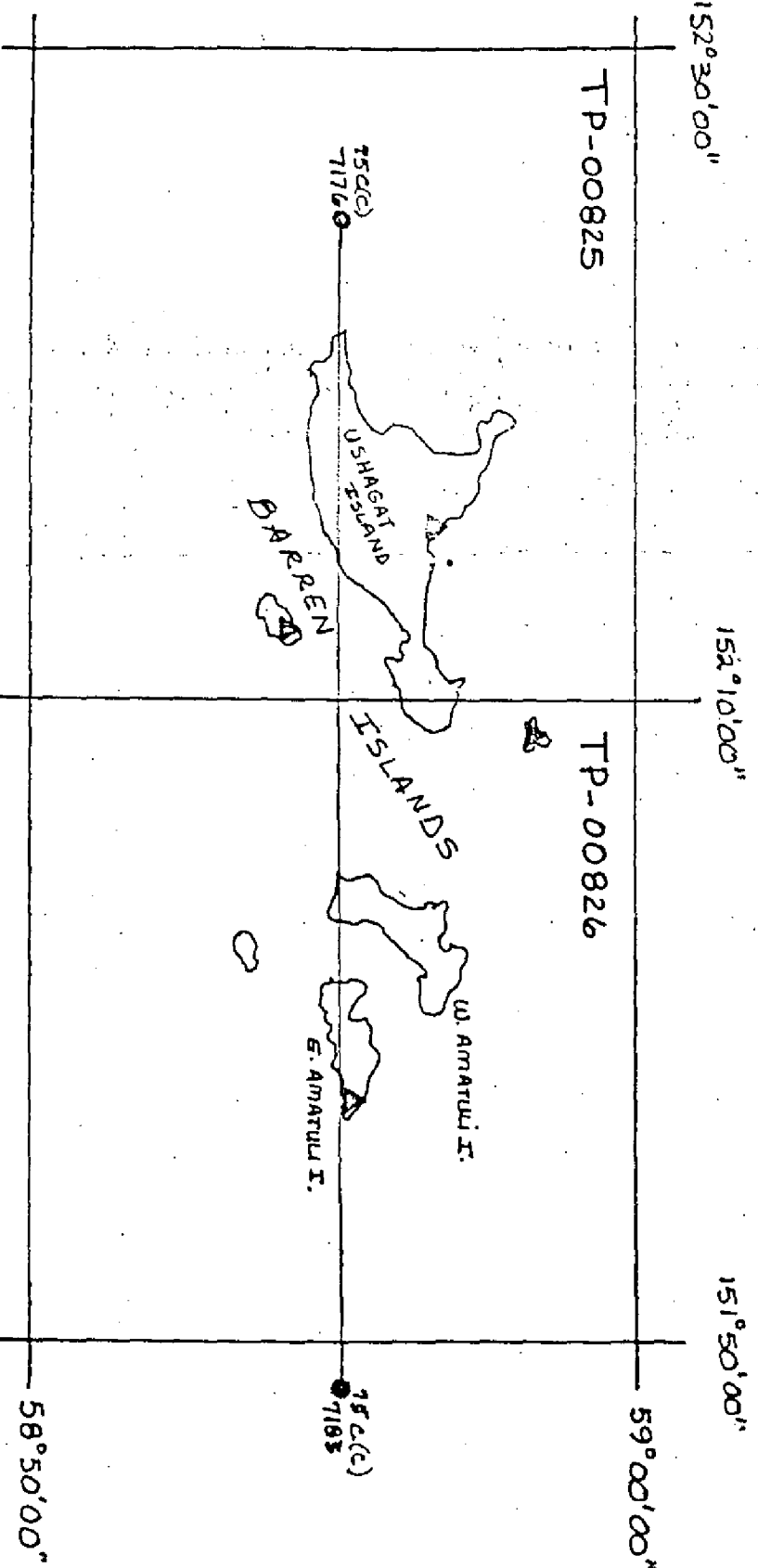
Chief, Aerotriangulation Section



BRIDGING PHOTOGRAPHY
1:30,000



COMPILATION PHOTOGRAPHY
1:15,000



List and Accuracy of Control Used in Strip Adjustment

x-error y-error

Strip #1

310100	1.092	-1.446
307100	-3.443	1.765
12100	.803	-1.021
984100	2.971	-1.047
977101	-3.878	-1.076
986101	1.253	.431

Strip #10

203100	-1.543	-3.772
944100	2.985	4.840
206100	-3.549	-3.305
207100	1.142	5.249
977101	.318	-3.937
12100	-1.845	1.438

Strip #12

178101	3.435	2.681
179100	1.047	-3.350
180101	-4.475	1.956
181100	.021	-1.299

Dist and Accuracy of Control Used in Strip Adjustment

x -error y -error

Strip #11

219101	1.518	.598
221100	-3.964	.647
223100	3.269	-3.324
203100	-.840	2.100

Strip #4

975801	.001	.006
977101	-.001	-.005
985805	.001	-.003

Strip #6

206100	.000	.010
964100	.001	-.011
207100	.006	-.007

Strip #7

992112	-3.929	-1.672
941100	1.088	3.253
964100	-.570	-.973
169	-1.089	-.030

List and Accuracy of Control Used in Strip Adjustment

u-error

y-error

Strip #8

941100	-1.785	-2.540
944100	1.521	-1.094
203100	-1.481	-.632
203802	1.826	-2.245

Strip #9

955101	-.515	1.133
944100	3.529	2.770
204803	-.118	-.672
204804	1.503	-1.036
204806	-.621	.619

COMPILATION REPORT

TP-00809

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. Supplemental tide coordinated infrared photographs for both MHW and MLLW were used delineate the MHW and MLLW lines.

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, dated January, 1977.

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 non-floating aids for navigation, or landmarks within the limits of this map.

TP-00809

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the he 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
quadrangle:

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. Moler for
Jeffery C. Moler
Cartographic Technician
May 30, 1980

Approved:

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

March 22, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

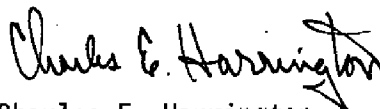
PH - 7412 (Cook Inlet, East Side - Cape Kasilof to Barren Islands, Alaska)

TP - 00809

China Poot Bay

Halibut Cove Lagoon

Approved by;

Charles E. Harrington
Chief Geographer
Nautical Charting Division

FIELD EDIT REPORT

OPR-P114-RA-80
CM-7412
TP-00809

ALASKA
COOK INLET, EAST SIDE
CAPE KASILOF TO BARREN ISLANDS

1 FIELD UNIT

JULY 22 - JULY 28, 1980
(JD 204 - 210)

51 METHODS

Field edit operations for TP-00809 began on July 22, 1980 (JD 204) and ended on July 28, 1980 (JD 210). Field edit began after the commencement of hydrographic survey operations for OPR-P114-RA-80. Hydrographic survey H-9884 includes all the shoreline of TP-00809.

Inspection of the shoreline was made during both low water and high water using a small boat. Landmarks for charts were investigated from seaward.

Heights of rocks were estimated at close range. The times noted were GMT (Alaska Daylight Time + 9 hours).

Shoreline and topographic notes were annotated on black and white chronopaque photograph 75ER - 1514 and/or on the Master Field Edit Print. Annotations were made with the following ink colors: Violet - verification or changes in features; green - deletion of features; and red - hydrographic features.

52 ADEQUACY OF COMPILATION

The compilation of TP-00809 was adequate and complete except for minor changes. The changes were noted on the photograph and/or the Master Field Edit Print. All compilation questions have been answered. The mean high water line was verified by visual inspection.

53 MAP ACCURACY

The map accuracy of TP-00809 could not be determined as there were no stations compiled on NOAA Form 76-40 (see separates).

54 RECOMMENDATIONS

Matte ratio photographs were not available for field use. Therefore, 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 the normal procedure in the past.

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 with the duplicating

hydrographic data being deleted. If the object was not visible on the photographs it was considered as hydrographic information and so reported.

There were no existing triangulation stations located within the limits of TP-00809. One new traverse station, LAGOON 1980, was established by the RAINIER using Third Order, Class I methods. The station description and all other pertinent information are 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
Commanding Officer

REVIEW REPORT
TP-00809
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 survey H-9884 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 16645, dated 1983 compared well with this
manuscript.

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.

Submitted by:

Charles E. Blood / J. Byrd

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

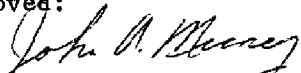
TP-00809

Approved for forwarding:



Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved:



John A. McCreary
Chief, Photogrammetry Branch
Rockville



Ronald K. Brewer
Chief, Photogrammetry Division
Rockville

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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 Re-

 FROM NAME AND DISSEMINATE ALL EDITIONS OF FORM C-65-975. UNCLAS/DC 2025-05