

T-12364

T 12364

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12364	Edition No. 1
Job No. PH 6303	
Map Classification FINAL FIELD EDITED MAP	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality CLARENCE STRAIT	
Locality MC HENRY ANCHORAGE	
19 ₆₃ TO 19 ₇₃	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC Norfolk, VA		SURVEY TP. <u>12364</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>6303</u>	
OFFICER-IN-CHARGE Jeffrey G. Carlen		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 Aerotriangulation - Jan 9, 1967 Compilation- March 20, 1967 Compilation Sup 1 - Nov 6, 1970 Compilation Sup 2 - Nov 23, 1970 Compilation Sup 3 - Nov 5, 1971 Compilation Amend 1 - Dec 7, 1971	2. FIELD Field - Feb 10, 1966

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 type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL	OTHER (Specify) _____
3. MAP PROJECTION Polyconic	4. GRID(S) STATE <u>Alaska</u> ZONE <u>1</u>
5. SCALE 1:10,000	STATE _____ ZONE _____

III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
1. AEROTRIANGULATION BY J. Perrow	J. Perrow	Dec 1970
METHOD: Stereoplanigraph LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS PLOTTED BY J. Perrow	J. Perrow	Oct 1970
METHOD: Coradomat CHECKED BY H. Eichert	H. Eichert	Oct 1970
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY L. O. Neterer, Jr.	L. O. Neterer, Jr.	Feb 1971
COMPILATION CHECKED BY R. White	R. White	Feb 1971
INSTRUMENT: Wild B-8		
SCALE: 1:10,000		
4. MANUSCRIPT DELINEATION PLANIMETRY BY L. O. Neterer, Jr.	L. O. Neterer, Jr.	March 1971
CHECKED BY L. L. Graves	L. L. Graves	March 1971
METHOD: smooth drafted		
SCALE: 1:10,000		
HYDRO SUPPORT DATA BY L. O. Neterer, Jr.	L. O. Neterer, Jr.	March 1971
CHECKED BY L. L. Graves	L. L. Graves	March 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY L. L. Graves	L. L. Graves	March 1971
6. APPLICATION OF FIELD EDIT DATA BY R. Kravitz	R. Kravitz	May 1980
CHECKED BY C. Blood	C. Blood	March 1980
7. COMPILATION SECTION REVIEW BY C. Blood	C. Blood	March 1980
8. FINAL REVIEW BY L. O. Neterer, Jr.	L. O. Neterer, Jr.	Dec 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY L. O. Neterer, Jr.	L. O. Neterer, Jr.	Jan 1988
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY P. Dempsey	P. Dempsey	June 1988
11. MAP REGISTERED - COASTAL SURVEY SECTION BY D. Hilton	D. Hilton	July 1988

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 W		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific MERIDIAN 120th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
63W - 7330 thru 7331	Jul 2, 1963	11:26	1:30,000	11.4 ft above MLLW	
63W - 7846	Jul 4, 1963	13:08	1:15,000	12.5 ft "	
63W - 7856 thru 7862	Jul 4, 1963	13:15	1:15,000	12.5 ft "	
63W - 7887 thru 7890	Jul 4, 1963	13:24	1:15,000	12.3 ft "	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photography.

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

There was no mean lower low water line compiled on this map.

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 TP-00584, CM-7206	EAST T-12365	SOUTH T-12367	WEST No survey
REMARKS			

T-12364

HISTORY OF FIELD OPERATIONS

1. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	B. Williams	May 1966
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	May 1966
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY R. Melby	May 1966
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

N.A.

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: ☐ 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)

T-12364

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	H. Lippold	May 1971
2. HORIZONTAL CONTROL	RECOVERED BY H. Lippold	May 1971
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY N.A.	
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

63W-7858, 7859, 7861 and 7890

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

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

1 field edit ozalid
1 field edit report

T-12364

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	K. W! Jeffers	Oct 1973
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	N/A N/A N/A
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 type="checkbox"/> NO INVESTIGATION BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

63W-7331

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

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

1 field edit ozalid
1 field edit report

T-12364
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	March 1971	Class III manuscript	May 14, 71	Apr. 1, 71
Field edit applied comp- ilation complete	March 1980	Class I manuscript	May 14, 80	May 7, 75
Final Review	Dec 1986	Final Map	June 1988	

II. LANDMARKS AND AIDS TO NAVIGATION None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: None
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

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

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

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

JOB PH-6303

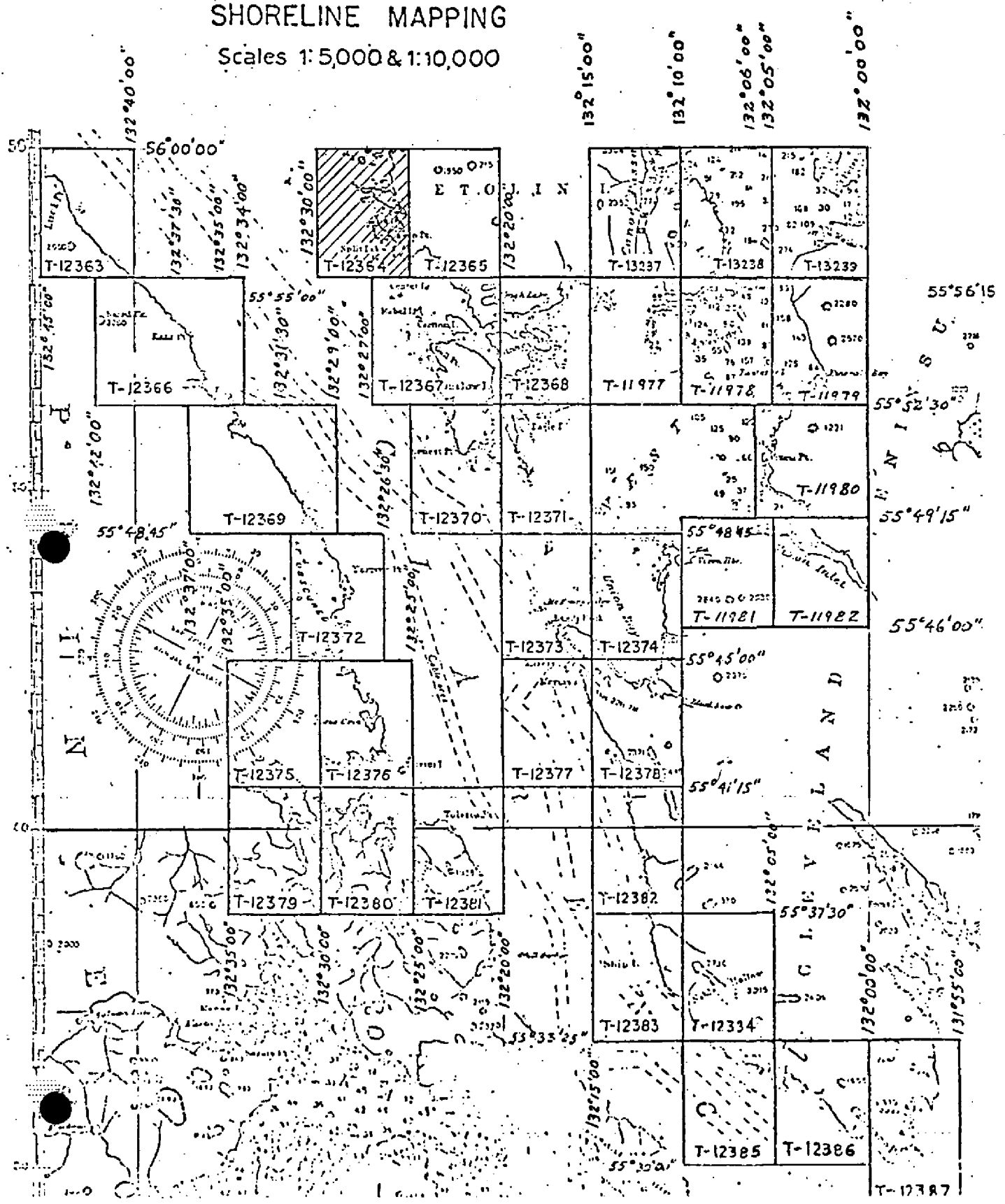
CLARENCE STRAIT

ALASKA

SHORELINE MAPPING

Scales 1:5,000 & 1:10,000

REVISED 9/23/76 RWW
 REVISED 10/1/86 D.B.
 T-13240 CANCELED
 REVISED 12/11/86 JDM
 T-13381 CANCELED (1976)



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12364

This 1:10,000 scale shoreline map is one of thirty-four maps that comprise project PH-6303, Clarence Strait Alaska. This project encompasses Clarence Strait and Ernest Sound, latitude $55^{\circ} 28' 45''$ north to latitude $56^{\circ} 00' 00''$ and longitude $131^{\circ} 55' 00''$ west to longitude $132^{\circ} 45' 00''$.

Photographic coverage was provided in July 1963 using black and white panchromatic film with the "W" camera (focal length 153.02 millimeters) at 1:30,000 scale.

Field work prior to compilation consisted of the photoidentification of horizontal control for bridging in May 1966.

Analytic aerotriangulation was performed at the Washington Science Center in December 1970.

Compilation was performed at the Atlantic Marine Center during March 1971.

Field edit was accomplished during May 1971 and September and October 1973.

Application of field edit and advancing this map to Class I status was achieved in March 1980 at the Atlantic Marine Center.

Final review was completed at the Atlantic Marine Center during December 1986.

This Descriptive Report contains all pertinent information used to compile this Final map.

The original base manuscript and all pertinent data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION REPORT

Project PH-6303

Shoreline Mapping, Clarence Strait & Ernest Sound Alaska

Aug, 1966

Shoreline Manuscripts T-11982 and T-12363 thru T-12387

The area of the project is along the shores of Clarence Strait and the entrance of Ernest Sound, including Tolstoi Bay and Union Bay.

The area is in a remote section of southeast Alaska, accessible only by ship or airplane.

There are three communities, Meyers Chuck, Thorne Bay and Ratz Harbor. The latter two are logging camps.

The interior areas are covered with a dense growth of coniferous timber, chiefly spruce, hemlock and cedar.

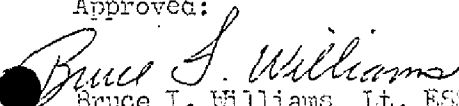
Horizontal control consisted of the photo-identification of the required triangulation stations. New station were established by triangulation or traverse utilizing the electronic distance measuring instruments (Fairchild MC-8 Electrochains).

The shoreline is mostly rocky and irregular. Numerous ledges extend seaward from the rocky headlands and points. The strata formation of many of the ledges are in vertical or incline planes making the ledges quite irregular and jagged. The shoreline of occasional small bights will be of a gravel, stone or boulder composition.

The shoreline was field inspected at landing sites, these locations usually being at the site of triangulation stations. The interpretation of the mean high water line on photography taken at low water can be distinguished in the following manner. Adjacent to the existing water level at the time of photography will be a white area. This is mostly barnacles and similiar marine

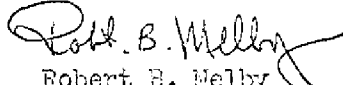
life that reflects a white tone. This will appear as a white band paralleling the shoreline. This is followed by a dark, nearly black color tone. This area receives only occasional wave action during storms. This appears on the photography as a dark band adjacent to and next in elevation above the white band of barnacles. Above the dark band will usually be seen a greyish color tone, extending to the tree line. This is composed of grass, lichens and debris on the bedrock. The mean high water line is at the junction of the white barnacle band and the dark band. An example of this can be noted by observing contact photograph 65 L 5129 in the vicinity of the field identification of station OVAL, 1916.

Approved:


Bruce I. Williams Lt. ESSA

C.O. Ship PATTON

Respectfully submitted


Robert B. Melby

Surveying Technician, C CCS

Photogrammetric Plot Report
Job PH-6303
Clarence Strait, Alaska
Part II - Northern Half

December 3, 1970

21. Area Covered

The area covered is in and around the junction of Ernest Sound and Clarence Strait, Alaska. Included are T-Sheets 11977 thru 11982, 12363 thru 12371, 12374, and 13237 thru 13240, at 1:10,000 scale, in Zone 1, Alaska Plane Coordinates.

22. Method

Seven strips were bridged on the stereoplanigraph and adjusted by I.B.M. 1620 methods. Strip #4 (63-W-7254 thru 7258) was adjusted on three triangulation sub-stations and two tie points from Strip #3 (Part I). Companion sub-stations and additional tie points served as checks. Strip #7 (65-L-5098 thru 5105) was adjusted on four triangulation sub-stations with companion sub-stations and tie points from Strip #12 as checks. Strip #8 (63-W-7324 thru 7330) was bridged only in part. 63-W-7324 thru 7328 was bridged and adjusted by a first order curve (straight line). The method employed two sub-stations for adjustment, with companion sub-stations and six tie points as checks. The remainder of the Strip (63-W-7329 and 7330) must be detailed graphically from ratio prints. Strip #9 (65-L-5109 thru 5116) was adjusted on four triangulation sub-stations with companion sub-stations, one additional triangulation station and five tie points with Strip #10 as checks. Strip #10 (63-W-7311 thru 7319) was bridged on three triangulation sub-stations with companion sub-stations and eleven tie points with Strips #8 and #9 as checks. Strip #11 (63-W-7291 thru 7306) was adjusted on four triangulation sub-stations and checked with tie points from Strip #6. Strip #12 (65-L-5091 thru 5096) was adjusted on four triangulation sub-stations with tie points from Strips #4 and #7 as checks. All points were drilled on the PUG. All tie points between strips were averaged. Some outlying islands in Sheet T-11977 and T-11978 could not be covered by bridging, nor can the area be compiled, with any accuracy, by graphic methods. Completion of these two sheets should be completed by the ship during the hydrographic survey.

23. Adequacy of Control

Horizontal control was adequate and complied with project instructions. All stations held within National Map Accuracy Standards with the following exceptions:

- (1) Drag, 1916 SS "C". This position was of poor image quality. In addition, it was allowed to drift by using tie points from Strip #3, as control on Strip #4. This solution provided the best overall fit.

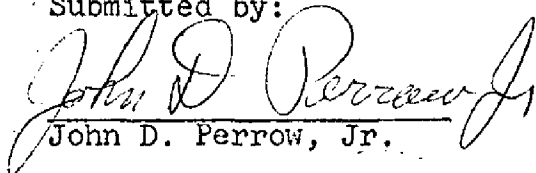
24. Supplemental Data

Local GS quads were used to provide level points for bridging Operations. Due to the nature of the terrain and the scale of the quads, these elevations are very approximate.


25. Photography

Photography was good in coverage, overlap, and definition.

Submitted by:


John D. Perrow, Jr.

Approved by:


Henry P. Eichert
Chief, Aerotriangulation Section

Notes to Compiler
PH-6303
Clarence Strait, Alaska

December 3, 1970

Strip #4 does not fit within itself too well. However, the best overall fit was made so that the strip could be tied to Strip #3 (Part I), which had been compiled at an earlier date.

Strip #8 is positioned too far out over the water to provide more than a quarter of a model in that portion of the strip north of triangulation station Mabel. These small portion models would be extremely difficult to bridge, and equally as difficult to set in a compilation instrument. Therefore, points common to both strips in that area were selected in critical areas to establish ratioing constants for Strip #8, so that those photographs could be used in compiling the alongshore detail by graphic methods.

Just south of the area covered by Strip #9, are a number of islands which could not be covered by bridging operations, due to excessive water areas. These islands are located on T-Sheets 11977 and 11978. Ratio prints of this area were made at a three time enlargement, however, these are uncontrolled, and the exact scale cannot be determined. It is recommended that the islands on these two T-Sheets be located and positioned by the hydrographic survey party.

Strip #11. It is recommended that the area covered by model 63-W-7291 - 7292 be detailed from Strip #6 (Part I), since Strip #6 seems to be the stranger photogrammetric bridge.

Note: The published position of station HASH, 1966, is in error. A new position was provided by Geodesy. The sub-stations for Station OVAL, 1916, could not be seen on the bridging photography.

*No photo coverage on the northern half of T-13739 or any of
T-13240.
Prints of T-12876 and 12878 must be provided as the base
in strip 8.*

PROJECT PH-6303

SHORELINE MAPPING

NOV. 1970

ALASKA

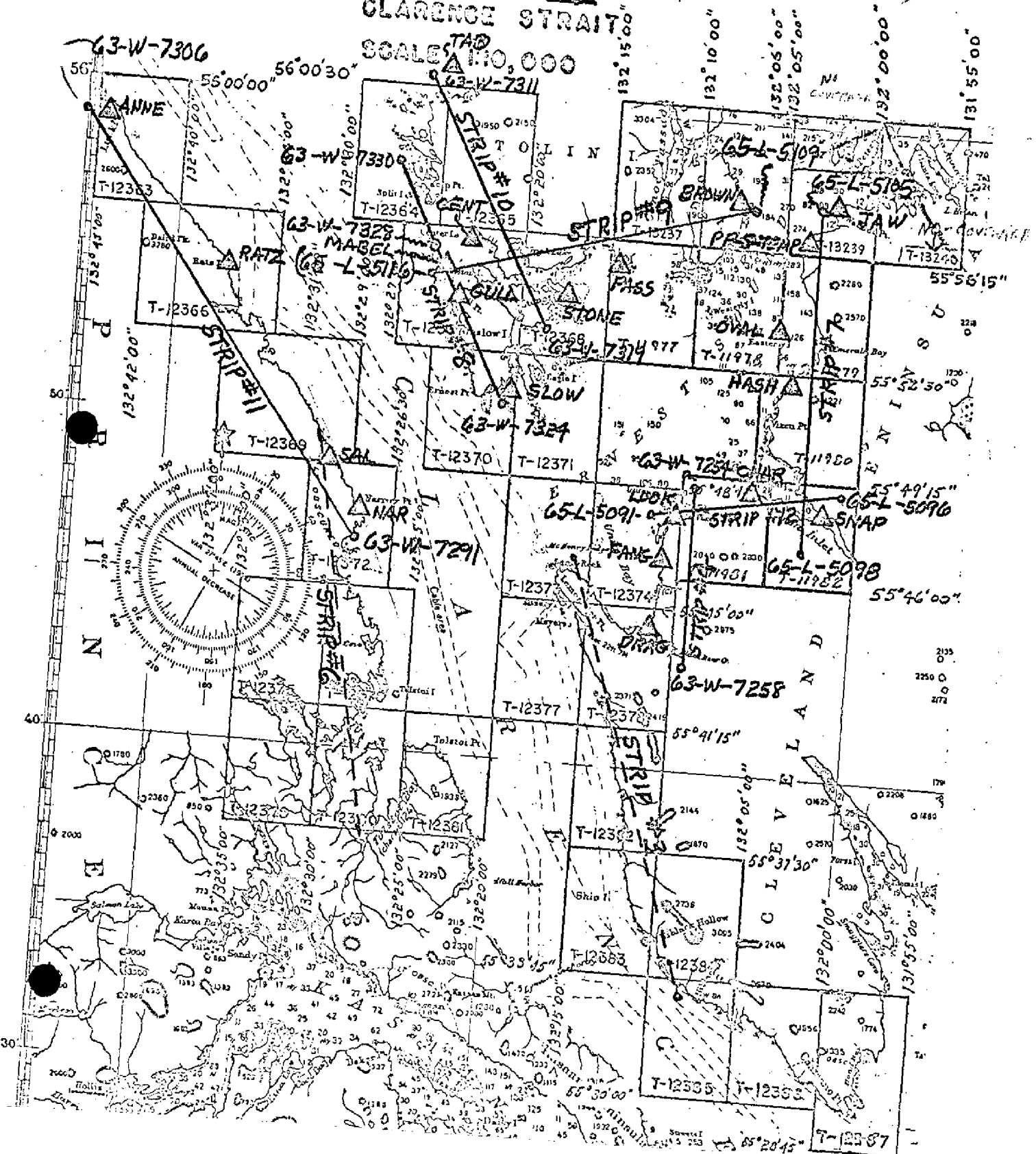
PART II

CLARENCE STRAIT

SCALE 1:100,000

TAD

NO. 000



DESCRIPTIVE REPORT CONTROL RECORD

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

MAP NO.	STATION NAME	JOB NO.	GEODEIC DATUM		ORIGINATING ACTIVITY		REMARKS	
			PH-6303	NA 1927	Division, Norfolk, Va.	Coastal Mapping		
		SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ALASKA ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	FORWARD	BACK	
	QUARTZ, 1916 ✓	55132 ✓ pg. 19		X=	φ 55 58 58.771 ✓	1817.7 ✓ (38.0)		
				Y=	λ 132 28 10.663 ✓	184.9 ✓ (855.5)		
	OPAL, 1916 ✓	55132 pg. 17		X=	φ 55 59 53.380 ✓	1651.0 ✓ (204.7)		
				Y=	λ 132 26 10.385 ✓	180.0 ✓ (859.9)		
	DOUBLE, 1915 ✓	55132 pg. 6		X=	φ 55 56 41.613 ✓	1287.0 ✓ (568.7)		
				Y=	λ 132 27 19.191 ✓	333.1 ✓ (708.3)		
	JUNE, 1916 ✓	55132 ✓ pg. 12		X=	φ 55 56 51.292 ✓	1586.4 ✓ (269.3)		
				Y=	λ 132 25 05.436 ✓	94.3 ✓ (947.1)		
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
				X=	φ			
				Y=	λ			
COMPUTED BY	A. C. Rauck, Jr.		DATE	COMPUTATION CHECKED BY	B. Wilson	DATE	11/24/70	
LISTED BY			DATE	LISTING CHECKED BY		DATE		
HAND PLOTTING BY			DATE	HAND PLOTTING CHECKED BY		DATE		

COMPILATION REPORT

T-12364

SHORELINE

31. DELINEATION:

The Wild B-8 was used to compile the MHW line. All the photography was at high water and was satisfactory.

32. CONTROL:

The control was adequate. See Photogrammetric Plot Report, Ph-6303, Part II, Northern Half dated December 1970.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The alongshore area and a foul line was compiled from office interpretation of the photography.

36. OFFSHORE DETAILS:

No statement.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36B.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

a comparison has been made with USGS Quadrangle CRAIG (D-2), ALASKA, scale 1:63,360, dated 1949, minor revisions 1962.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with USC & GS Chart 8102, scale 1:229,376, dated December 20, 1965 and Chart 8201, scale 1:217,828, dated November 15, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Lowell O. Neterer, Jr.

Lowell O. Neterer, Jr.
Cartographic Tech.
March 4, 1971

Approved:

Albert C. Rauck, Jr.

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

OCT 23 1986

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12364

Clarence Strait

Double Island

Entrance Island

Etolin Island

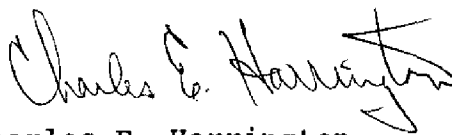
Kelp Point

McHenry Anchorage

Quartz Rock

Split Island

Approved:



Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services

FIELD EDIT REPORT

SHEET T- 12364

CLARENCE STRAIT

(McHENERY ANCHORAGE)

PH-~~5501~~ 6303

MAY 1971

NOAA SHIP PATHFINDER

CAPT. H.R. LIPPOLD JR. CMDG.

51 Methods

The field edit of this map was done in accordance with photogrammetric instructions and project instructions to the Commanding Officer, NOAA SHIP PATHFINDER, dated 19 January 1971. Steep shorelines made it possible to do all work from MW #6 and SB #5. Easy accessibility to the beach made frequent on shore inspection no problem. Sextant fixes were used to verify and locate objects that could not be seen or positively verified on the photographs.

All deletions, additions, verification and corrections to be applied to the manuscript appear on the Field Edit Ozalid. This ozalid is an index and inventory of all field edit work performed. All features marked in green on the ozalid are to be deleted. Red circles on the ozalid indicate the approximate location of the signals used in the field work. Cross references on the Field Edit Ozalid to the photographs are also a part of the compilation.

52 Adequacy of Compilation

Compilation of the manuscript was adequate and complete for all areas within the boundaries indicated on the Field Edit Ozalid.

54 Recommendations

None

56 Additional Information

Alaska Standard Time, time meridian 120°W, was used until 25 April. Alaska Daylight Time, time meridian 105°W, was used after that date.

All photogrammetric and ground survey signals used during the project are listed on a sheet attached to the Field Edit Ozalid and also included in this report. Signals used for field edit fixes are included in the list.

All fixes taken during the field edit are identified by number on the Field Edit Ozalid. A running tabulation of this data is supplied with the ozalid and is also part of this report.

Larry J. Oliver

L. J. Oliver
LTJG, NOAA
Photo Officer

Approved:

[Signature]
R. L. Lippold Jr.
CAPT. NOAA
Commanding Officer

FIELD EDIT REPORT

OPR-465, 1973

TP-12364, TP-00580 through TP-00584

Clarence Strait, Alaska

Etolin Island

NOAA ship RAINIER

Cdr. K. William Jeffers, Commanding

INTRODUCTION - METHODS

Field edit was done by personnel of NOAA ship RAINIER during September and October 1973. Work was performed in a sixteen foot skiff and twenty-six foot Boston Whaler, making landings where necessary to verify shoreline character.

The field edit started at Kelp Point, Etolin Island, and extended northwestward to Cape Stanhope. Field edit was completed as far west as the mouth of Three Way Passage entering the Clarence Strait. Field edit was completed on TP-00580, TP-00581, TP-00584, and partially completed on TP-00582, TP-00583, TP-12364.

Photography in the Rocky Bay area was extremely poor, due mainly to a low sun angle at the time of photography. This meant that the southern one-third of the picture was useless, and the same for the northern third, because of the developer's efforts to counteract the overexposures. The photos were also fuzzy, and the prints were covered with evidence of dirty negatives, such as dirt, lint, etc.. It was in some instances hard to distinguish the dirt from rocks low in the water.

All **additions and corrections** are noted in purple on the field edit ozalids. Deletions are noted in green. Photos used were from PH-6303 and CM-7206. Values given for distances from MHWL and heights of rocks were estimated. Time references prior to 29 October 1973 are 105 W and 120 W after this date.

ADEQUACY OF COMPILATION

The compilation of the MHWL was generally good. Compilation of offshore features was less than good. Several rocks, easily identifiable on the photos were omitted from the manuscripts. Time and height data are included on the photos.

DISCUSSION AND RECOMMENDATIONS

The project area's shoreline was composed generally of rocky outcrops with occasional sand -pebble beaches. There was little or no kelp, due probably to the abundance of sea urchins, which feed on kelp holdfasts.

The rocky shoreline was composed primarily of fissile metamorphic rocks ranging from slates to schists to phyllites. There were occasional outcrops of intrusive granitic rocks, but with little contact mineralization. The metamorphic rocks were highly fractured and thus subject to extensive erosion.

TP-12364, TP-00580 -TP-00584:

No special recommendations are made.

REVIEW REPORT T-12364
SHORELINE

61. GENERAL STATEMENT

See Summary included with this Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U. S. Geological Survey Quadrangle: Craig (D-2), Alaska, scale 1:63,360 dated 1949, minor revisions 1962.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with registered Hydrographic Surveys H-9192 and H-9404, both 1:10,000 scale.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following NOS charts:
17360, 26th edition, dated August 18, 1986, scale 1:217,828;
17382, 12th edition, dated July 25, 1981, scale 1:80,000; and
17420, 23rd edition, dated March 16, 1985, scale 1:229,376.

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

Lowell O. Neterer, Jr.

Lowell O. Neterer, Jr.

Final Reviewer

December 23, 1986

Approved for forwarding

Billy H. Barnes

For: Billy H. Barnes

Chief, Quality Assurance Group, AMC

Approved

Darryl O. Robson

Chief, Photogrammetric Production Sect.

A. J. Bryan

Chief, Photogrammetry Branch

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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

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 Review.

[illegible]