

TP-01165

TP-01165

NOAA FORM 76-35
(6-80)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

THIS MAP WILL NOT BE FIELD EDITED

<i>Map No.</i> TP-01165	<i>Edition No.</i> 1
<i>Job No.</i> CM-8203	
<i>Map Classification</i> CLASS III FINAL	
<i>Type of Survey</i> SHORELINE	
LOCALITY	
<i>State</i> ALASKA	
<i>General Locality</i> SEYMOUR CANAL	
<i>Locality</i> TIEDEMAN ISLAND	
19 83 TO 19	
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. 001165 MAP EDITION NO. (1) MAP CLASS III FINAL JOB CM CM-8203	
DESCRIPTIVE REPORT - DATA RECORD					
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
OFFICER-IN-CHARGE A. Y. Bryson, CDR		JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED					
1. OFFICE			2. FIELD		
Aerotriangulation - February 15, 1984 Compilation - September 6, 1984			Field March 9, 1983		
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 Oblique Mercator			4. GRID(S) STATE Alaska ZONE 1		
5. SCALE 1:20,000			STATE ZONE		
III. HISTORY OF OFFICE OPERATIONS					
OPERATIONS				NAME	
DATE					
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY				B. Thornton May 1984	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Calcomp 718 CHECKED BY				D. Norman May 1984	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				C. Middleton July 1984	
INSTRUMENT: CONTOURS BY				R. Kravitz July 1984	
SCALE: CHECKED BY				N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				C. Middleton August 1984	
METHOD: CHECKED BY				F. Mauldin Sept. 1984	
SCALE: HYDRO SUPPORT DATA BY				N.A.	
CHECKED BY				N.A.	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Mauldin Sept. 1984	
6. APPLICATION OF FIELD EDIT DATA BY				N.A.	
CHECKED BY				N.A.	
7. COMPILATION SECTION REVIEW Class III BY				F. Mauldin Sept. 1984	
8. FINAL REVIEW Class III BY				L. O. Neterer, Jr. Oct. 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				L. O. Neterer, Jr. NOV 1984	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				P. Hawkins DEC 1984	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R. S. KORNSPAN FEB 1985	

TP-01165
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 (B) Focal length=152.74mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES				Pacific	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				120th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
83 B(C) 4577 - 4581*	July 15, 1983	14:24	1:50,000	4.9 ft. above MLLW
83 B(C) 4596 - 4597*	July 15, 1983	15:04	1:50,000	7.5 ft. above MLLW
83 B(C) 4836 - 4838*	July 16, 1983	14:20	1:50,000	3.1 ft. above MLLW
83 B(I) 4702 - 4709**	July 16, 1983	11:56	1:30,000	1.0 ft. above MLLW
83 B(I) 4731 - 4737**	July 16, 1983	12:18	1:30,000	0.8 ft. above MLLW
83 B(I) 4773 - 4779**	July 16, 1983	12:40	1:30,000	0.7 ft. above MLLW
83 B(I) 4792 - 4794**	July 16, 1983	12:54	1:30,000	0.7 ft. above MLLW
				Mean Tide Range=12.9 ft.

REMARKS *Compilation/bridging photographs.
**Approximate centers shown on manuscript, ratios not processed.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from office interpretation of the compilation/bridging color photographs using stereo instrument methods.

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

The mean lower low water line was compiled graphically from the black-and-white infrared photography.

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-01164	No Survey	TP-01166	No Survey

REMARKS

TP-01165

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Wintermyre	May 1983
2. HORIZONTAL CONTROL	RECOVERED BY None ESTABLISHED BY M. Koehn PRE-MARKED OR IDENTIFIED BY M. Koehn	May 1983 May 1983 May 1983
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 None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Paneled (Premarked)		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
83 B(C)4577	WEED, 1983		
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) 1 Form 76-53 CSI			

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-01165
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	Sept. 1984	Class III manuscript	JAN 1985	
No field edit was performed prior to Final Review	Sept. 1984	Final Class III map		

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: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

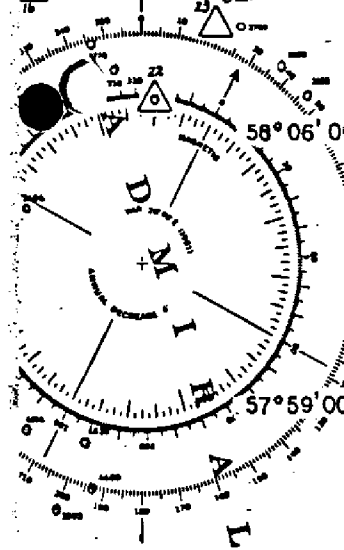
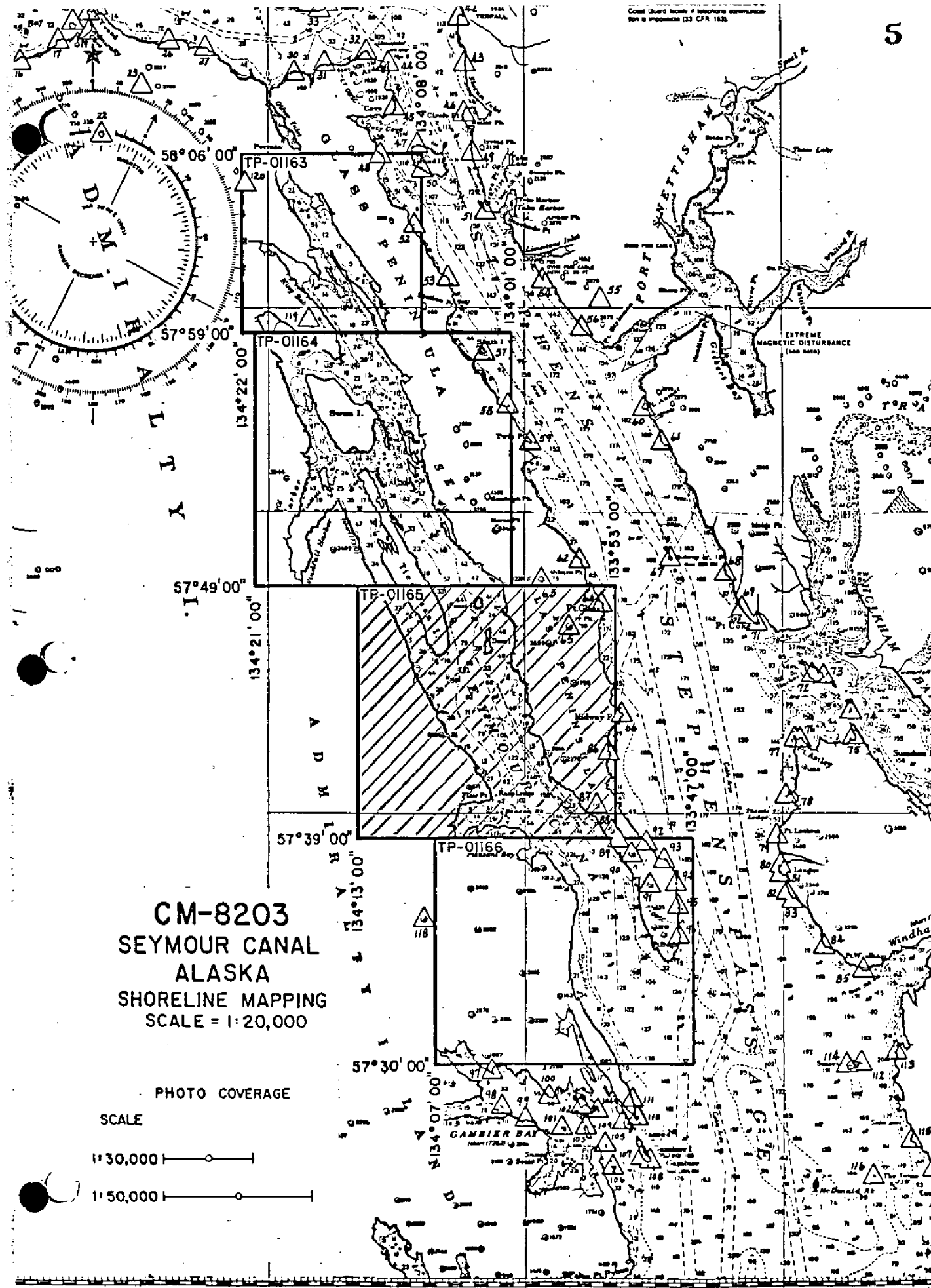
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

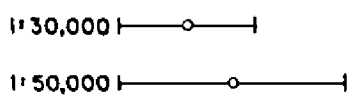
SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL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

Coast Guard vessels of response assistance
not to impede (33 CFR 165)



CM-8203
SEYMOUR CANAL
ALASKA
SHORELINE MAPPING
SCALE = 1:20,000

PHOTO COVERAGE
SCALE



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01165

This 1:20,000 scale shoreline map is one of the four maps in project CM-8203, Seymour Canal, Alaska.

The project encompasses the mouth of Seymour Canal, Latitude 57°30'30" north to its headspring, Latitude 58°06'00".

No field edit will be performed as per project instructions dated September 6, 1984.

Field work prior to compilation was accomplished in May 1983. It was comprised of both the identification of horizontal control and hydrographic signals by premarking techniques to meet aerotriangulation requirements.

Color and infrared photography was taken in July 1983 with the "B" camera (focal length 152.74 mm). The color photography (1:50,000 scale) was used for bridging and instrument compilation. The infrared photography (1:30,000 scale) was used to graphically compile the mean lower low water line.

Analytic aerotriangulation was completed at the Washington Science Center in May 1984.

Compilation was performed at the Atlantic Marine Center in September 1984 from office interpretation of the 1983 photography.

Final review was executed at the Atlantic Marine Center in October 1984. There will be no field edit on this map which requires it to be registered as a Final Class III map.

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

Shoreline Mapping Report

Job CM-8203
Seymour Canal, Alaska

Shoreline mapping operations in Seymour Canal, Alaska (Job CM-8203) were undertaken concurrently with Special Project S-0902-DA-83. Four 1:50,000 scale aerotriangulation control panels were placed in the vicinity of Seymour Canal with a fifth panel located in Stephens Passage, north of Seymour Canal. Thirty-three 1:30,000 scale hydrographic control panels were placed in locations advantageous in controlling future hydrographic survey operations. The first panel was laid down on 28 April 1983 with operations concluding on 24 May.

1:50,000 Aerotriangulation Control

Three 1:50,000 Aerotriangulation Control Panels were placed within the limits shown on the sketch included with project instructions (sketch attached). The remaining two panel locations were placed as near as possible to the desired area, due to topographic constraints found within the proposed panel areas. Station SEYMOUR, 2 km north of the limits for Panel #4, and station WEED, 4.5 km West Northwest of the proposed limit for panel #3 were both paneled outside the limits shown in sketch included with the project instructions. Four stations within Seymour Canal were paneled to specifications of Array #1 as shown in Photogrammetric Instructions #22. The four stations were established and field geographic positions determined during the course of operations for S-0902-DA-83. Station GUNT was paneled direct, using only 2 rays, due to the small size of the island upon which it is located. A sub-station was established for station MOLE in Pleasant Bay, as the station is located in a rocky area near the treeline. A 2-ray variation of Array #1 was used. This subpointed location also serves as HP-01, a 1:30,000 hydrographic control site. Station WEED was paneled direct on a grass-covered peninsula, utilizing three rays. At station SEYMOUR, Reference Mark 1 was paneled direct with 2 rays. The fifth 1:50,000 scale panel was placed at station RAIN 1917. The station mark was recovered well inside of the treeline, so the reference mark was paneled direct using a 2-ray variation of Array #1 as shown. A recovery note was submitted as required for this station. Station descriptions were prepared and submitted for stations GUNT, MOLE, WEED, and SEYMOUR with the horizontal control data for S-0902-DA-83.

1:30,000 Hydrographic Control Panels

Hydrographic control panels were placed in thirty-three locations to supplement the established horizontal control network. The majority of these panels were set in small bays and passages where the terrain was suited to the placement of the panel

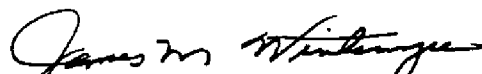
and the location was deemed advantageous as a control point for hydrography. Array #2 panel and spacing dimensions were followed as closely as possible, but in several cases, a 3-ray version was required. A copy of the large scale chart of the area is included with this report showing the locations of all hydrographic control panels as well as the aerotriangulation control panels. Hydrographic control panel locations were numbered from HP-01 through HP-39, with the exclusion of HP-23 through HP-28, which were used to designate similar panel locations in Kelp Bay (Job CM-8204).

Respectfully submitted,

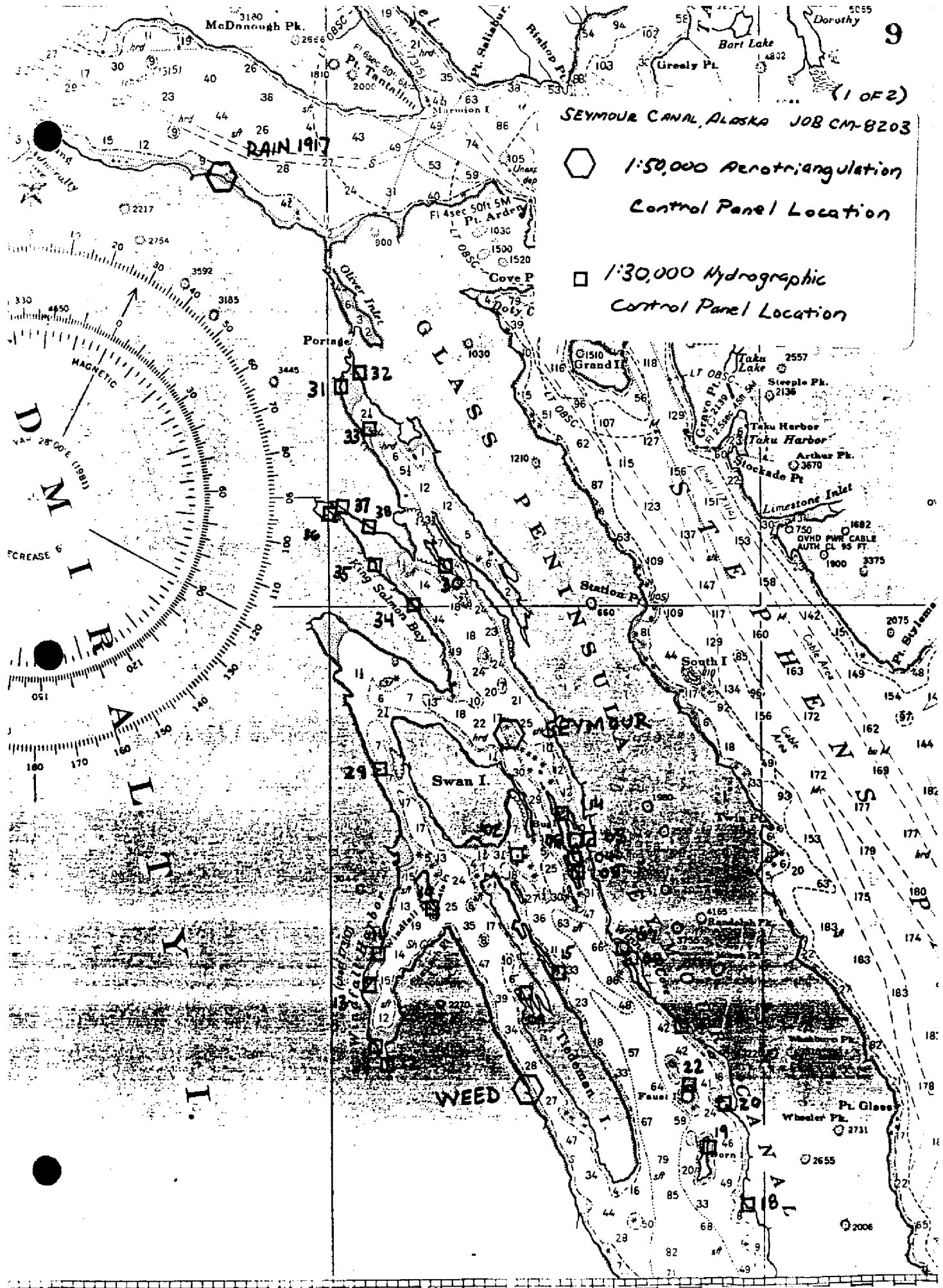


Mark P. Koehn, LT, NOAA
Horizontal Control Officer

Approved and forwarded,

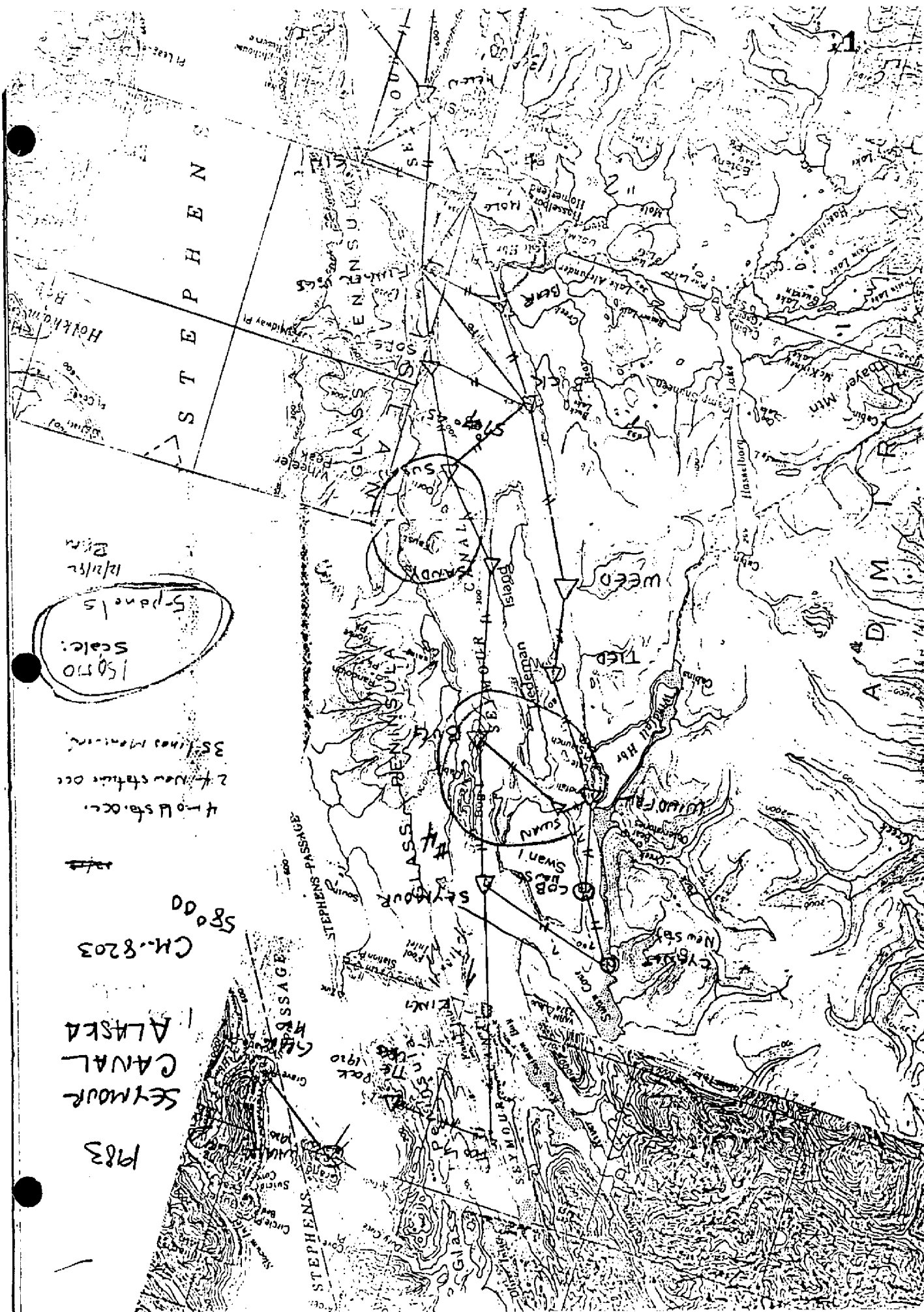


James M. Wintermyre, CDR, NOAA
Commanding Officer
NOAA Ship DAVIDSON



SEYMOUR CANAL, ALASKA JOB CM-8203

- 1:50,000 Aerotriangulation Control Panel Location
- 1:30,000 Hydrographic Control Panel Location



CM-8203
PHOTOGRAMMETRIC PLOT REPORT
SEYMOUR CANAL, ALASKA

MAY 1984

21. AREA COVERED

This project covers Seymour Canal, Alaska. The area is covered by four 1:20,000-scale sheets, TP-01163 to TP-01166.

22. METHOD

Three strips of 1:50,000-scale color photographs were bridged by analytical aerotriangulation methods using premarked control for shoreline mapping. Tie points were used to aid control and ensure a good adjustment between strips. Tie points were also dropped to four strips of 1:30,000-scale color photographs to be used as control to adjust these strips. The 1:30,000-scale color photographs were bridged by analytical aerotriangulation methods using the tie points from the 1:50,000-scale color photographs to provide positions for premarked hydrographic points. Of the 33 hydrographic points, 26 points were visible on the photographs and subsequent positions determined for these points. The original film was used for bridging the entire project. The photographs were adjusted using the Alaska, Zone 1 Coordinate System.

Ratio values were determined for the 1:50,000-scale bridging photographs and the 1:30,000-scale MLLW photographs. Base sheets were ruled on the Calcomp 718 plotter using the Alaska, Zone 1 Coordinate System.

23. ADEQUACY OF CONTROL

The control for this project was adequate for the job and within NOS accuracy standards. A copy of the fit to control is included in this report.

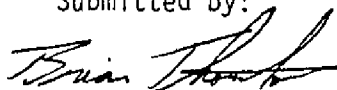
24. SUPPLEMENTAL DATA

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

25. PHOTOGRAPHY

The coverage, overlap, and quality of the 1983 B(C) photographs were adequate for the job.

Submitted by:



Brian Thornton

Approved and Forwarded:



Don O. Norman
Chief, Aerotriangulation Unit

FIT TO CONTROL
VALUES IN FEET
STATION HELD IN ADJUSTMENT

<u>STRIP #</u>	<u>STATION NAME</u>	<u>POINT NO.</u>	<u>X</u>	<u>Y</u>
50-1	Strip 50-2 Tie point	581802	0	0.4
	Mole, 1983 sub pt.	581101	-0.5	1.4
	Strip 50-2 tie point	582801	1.4	-2.7
	Strip 50-2 tie point	583801	-0.6	1.5
	Strip 50-2 tie point	584801	-0.4	-0.6
50-2	Rain, 1917 (RM)	568101	-0.7	0.5
	Seymour, 1983 (RM.1)	574101	2.0	-1.5
	Weed, 1983	577100	-0.8	-0.1
	Mole, 1983 sub pt.	581101	-1.2	2.0
	Gunt, 1983	586100	0.7	-0.9
50-3	Strip 50-2 tie point	582803	0	0
	Strip 50-2 tie point	582804	-0.7	0.6
	Strip 50-2 tie point	580803	0.2	1.0
	Strip 50-2 tie point	578806	0	0
	Weed, 1983	577100	0.8	-2.0
	Strip 50-2 tie point	575809	-0.2	0
	Strip 50-2 tie point	574806	0	0
30-1A	Strip 50-2 tie point	579801	1.7	2.2
	Strip 50-2 tie point	579802	-1.0	-1.0
	Strip 50-2 tie point	579803	-0.9	-1.0
	Strip 50-2 tie point	578801	1.0	0.4
	Strip 50-2 tie point	578802	-0.5	-0.7
	Strip 50-2 tie point	578803	-0.1	-0.1
30-1B	Strip 50-2 tie point	576801	-1.7	-0.2
	Strip 50-2 tie point	576802	0.4	-0.6
	Strip 50-2 tie point	576803	-0.4	-0.4
	Strip 50-2 tie point	576804	0.9	0.9
	Strip 50-2 tie point	576805	0	-0.4
	Strip 50-2 tie point	575801	1.5	1.4
	Strip 50-2 tie point	575802	-1.0	0.1
	Strip 50-2 tie point	575803	-0.3	-1.4
	Strip 50-2 tie point	575804	-0.1	0.6
	Strip 50-2 tie point	575805	0.7	-0.4
30-2A	Strip 50-2 tie point	568801	-0.1	-1.0
	Strip 50-2 tie point	568802	3.4	-0.3
	Strip 50-2 tie point	568803	-0.9	0.1
	Strip 50-2 tie point	569801	0.1	-1.1
	Strip 50-2 tie point	569802	0.7	0.5

2

<u>STRIP #</u>	<u>STATION NAME</u>	<u>POINT NO.</u>	<u>X</u>	<u>Y</u>
30-2A	Strip 50-2 tie point	569803	2.5	0.1
	Strip 50-2 tie point	570801	3.4	1.4
	Strip 50-2 tie point	570802	0.6	0.2
	Strip 50-2 tie point	570803	1.0	2.4
	Strip 50-2 tie point	571803	-0.8	0.1
	Strip 50-2 tie point	571801	-0.2	0.7
	Strip 50-2 tie point	571802	0.6	0.4
	Strip 50-2 tie point	572802	0.6	-0.1
	Strip 50-2 tie point	572801	-0.1	-1.6
	Strip 50-2 tie point	572802	0	-0.3
	Strip 50-2 tie point	572803	-0.6	-0.5
	Strip 50-2 tie point	572804	-0.4	-0.7
	Strip 50-2 tie point	572805	-1.1	-0.8
	Strip 50-2 tie point	573801	1.3	0.9
	Strip 50-2 tie point	573802	-0.8	-0.4
	Strip 50-2 tie point	573803	-0.3	-0.5
	Strip 50-2 tie point	573804	1.6	1.9
	Strip 50-2 tie point	573805	-2.9	3.9
30-2B	Strip 50-2 tie point	575805	-1.6	0.4
	Strip 50-2 tie point	575807	1.5	0.8
	Strip 50-2 tie point	575808	0.1	-0.2
	Strip 50-2 tie point	576804	0.5	0
	Strip 50-2 tie point	576806	-1.7	-1.2
	Strip 50-2 tie point	576807	2.3	0.2
30-3	Strip 50-3 tie point	837801	0.3	-0.2
	Strip 50-3 tie point	837802	-0.2	0.2
	Strip 50-3 tie point	836801	0.9	0.2
	Strip 50-3 tie point	836802	-1.0	-0.2
	Strip 50-3 tie point	837803	-0.5	-0.3
	Strip 50-3 tie point	837804	0.6	-0.3
30-4	Strip 50-3 tie point	843803	-1.0	1.4
	Strip 50-3 tie point	844801	1.4	0.4
	Strip 50-3 tie point	844802	-0.1	-0.9
	Strip 50-3 tie point	844803	-0.7	-0.1
	Strip 50-3 tie point	842802	0.2	-0.5
	Strip 50-3 tie point	842803	1.2	0.3
	Strip 50-3 tie point	843801	-0.7	-0.4
	Strip 50-3 tie point	843802	0.3	-0.5
	Strip 50-3 tie point	842801	-0.3	-0.8
	Strip 50-3 tie point	842804	-0.8	0.9
	Strip 50-3 tie point	842805	0.4	0.2
	Strip 50-3 tie point	842806	0	-0.9
	Strip 50-3 tie point	842807	0.2	0.9

RATIO VALUES FOR SEYMOUR CANAL, ALASKA

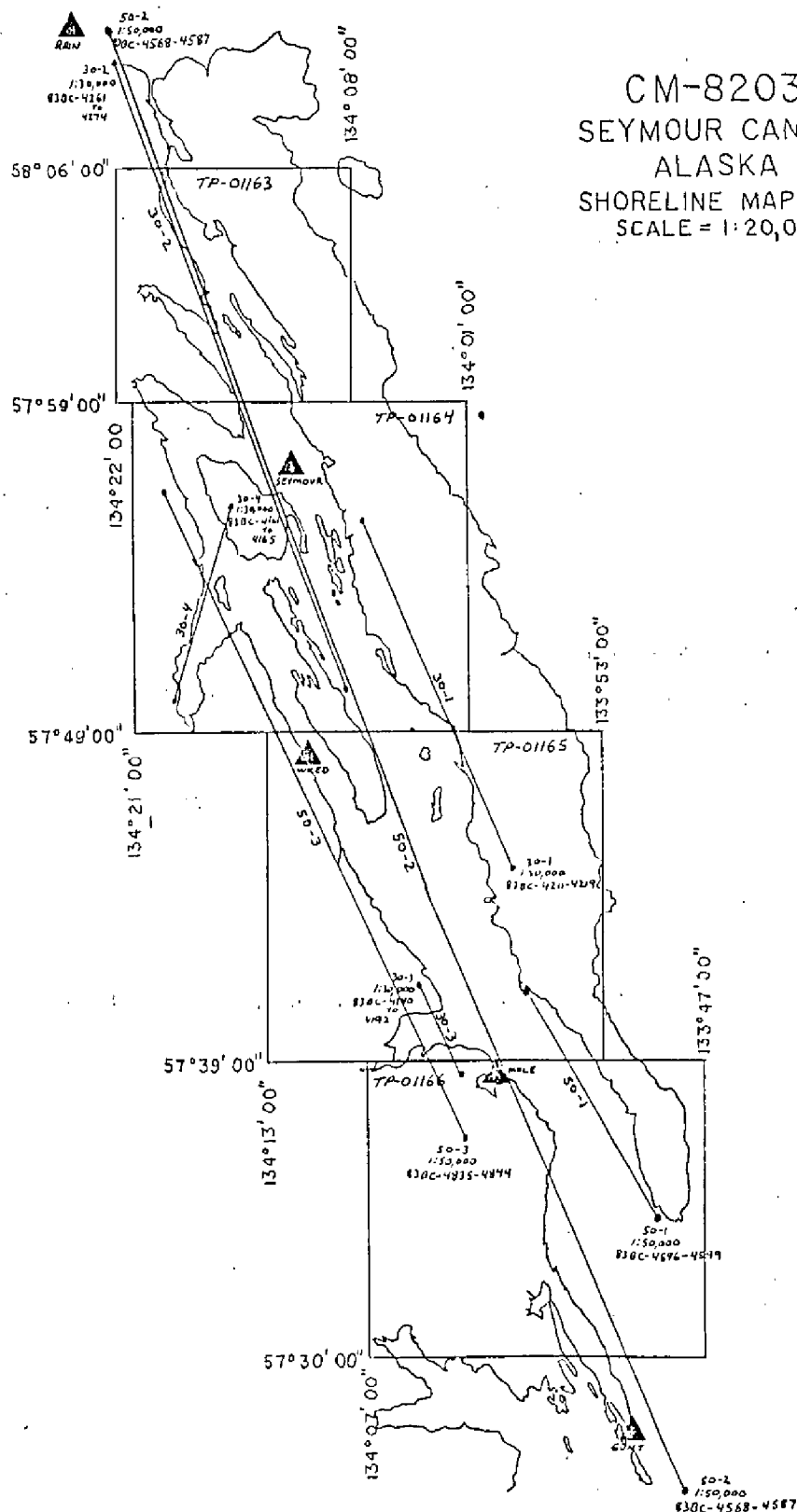
MLLW PHOTOGRAPHY

IR-1	83-BR-4671 to 4683	Ratio 1.532X
IR-2	83-BR-4692 to 4716	Ratio 1.521X
IR-3	83-BR-4724 to 4749	Ratio 1.511X
IR-4	83-BR-4760 to 4783	Ratio 1.528X
IR-5	83-BR-4787 to 4795	Ratio 1.526X

BRIDGING PHOTOGRAPHY

50-1	83-BC-4596 to 4599	Ratio 2.543X
50-2	83-BC-4571 to 4585	Ratio 2.540X
50-3	83-BC-4835 to 4844	Ratio 2.538X

CM-8203
SEYMOUR CANAL
ALASKA
SHORELINE MAPPING
SCALE = 1:20,000



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		GEOGRAPHIC POSITION		REMARKS
					COORDINATES IN FEET STATE Alaska ZONE 1	ORIGINATING ACTIVITY Coastal Mapping Unit, AMC, Norfolk, VA	ϕ LATITUDE λ LONGITUDE		
TP-01165	CM-8203								
WEED, 1983		List of GP Station Names	577100		X=	ϕ 57°48'31.951"			Field position
					Y=	λ 134°10'52.333"			
SANDY, 1983		Field Photo Control	7		X=	ϕ 57°47'56.922"			Field position
		Data Book			Y=	λ 134°06'20.140"			
BUCK, 1983		"	8		X=	ϕ 57°44'01.916"			Field position
					Y=	λ 134°06'11.749"			
SUSAN, 1983		"	9		X=	ϕ 57°44'47.907"			Field position
					Y=	λ 134°00'59.499"			
SORE, 1983		"	10		X=	ϕ 57°43'11.341"			Field position
					Y=	λ 133°59'45.050"			
BEAR, 1983		"	11		X=	ϕ 57°41'37.940"			Field position
					Y=	λ 134°03'21.408"			
RASP, 1983		"	12		X=	ϕ 57°40'41.533"			Field position
					Y=	λ 134°02'18.811"			
FINGER 2, 1983		"	13		X=	ϕ 57°41'17.217"			Field position
					Y=	λ 134°58'08.343"			
					X=	ϕ			
					Y=	λ			
					X=	ϕ			
					Y=	λ			
COMPUTED BY					COMPUTATION CHECKED BY				DATE
LISTED BY R. Kravitz					LISTING CHECKED BY C. Middleton				DATE 8/17/84
HAND PLOTTING BY					HAND PLOTTING CHECKED BY				DATE

COMPILATION REPORT
TP-01165

31 - DELINEATION

Delineation was accomplished using the Wild B-8 stereoplotting instrument and graphic compilation methods. Instrument compilation was used to delineate the shoreline, alongshore and interior detail based upon office interpretation of the 1:50,000 scale bridging/compilation color photographs. Predicted tide MLLW infrared ratio photographs were used to graphically compile the approximate mean lower low water line. Control for this graphic delineation was provided by the instrument compilation of coastal detail and common image points.

All photographs used to compile the map are listed on form 76-36B. The color compilation photography was adequate. The quality of the infrared photography was poor with regard to identifying precise image points common to the compilation photographs.

32 - CONTROL

The horizontal control was adequate. Refer to the Photogrammetric Plot Report dated May 1984,

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was compiled by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled by office interpretation of the compilation color photographs.

Although the scale of photography was 1:50,000, an attempt was made to distinguish between the ledge and rocky areas. Foreshore areas of scattered rocks were generally represented by individual rocks. The ledge symbol was used in areas of dense rock and where the ledge was apparent.

36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument methods as described in Item #31.

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In order to graphically compile the approximate mean lower low water line as described in item #31, the MLLW infrared photographs were ratioed as follows:

83 B(I) 4703 - 4709	1.521 times
83 B(I) 4731 - 4737	1.511 times
83 B(I) 4773 - 4779	1.528 times
83 B(I) 4792 - 4794	1.526 times

37 - LANDMARKS AND AIDS

There are no landmarks or aids within the limits of this manuscript.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, Item 5 of the Descriptive Report.

40 - HORIZONTAL CONTROL

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S. Geological Survey Quadrangles: Sitka (C-1), Alaska, dated 1951, revised 1967, scale 1:63,360; Sitka (D-1), Alaska, dated 1951, revised 1979, scale 1:63,360; and Sumdum (C-6), Alaska, dated 1951, revised 1972, scale 1:63,360.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 17300, 23rd edition, dated January 14, 1984, scale 1:209,978; and 17360, 25th edition, dated January 29, 1983, scale 1:217,828.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

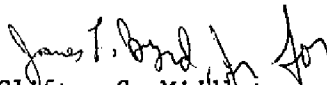
None.

ITEMS TO BE CARRIED FORWARD

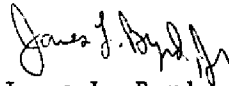
None.

TP-01165

Submitted by,


Clifton S. Middleton, Jr.
Cartographic Technician
August 1984

Approved,


James L. Byrd, Jr.
Chief, Coastal Mapping Unit

REVIEW REPORT TP-01165
SHORELINE

61. GENERAL STATEMENT

See Summary included with this report.

The infrared photography was of sufficiently good quality that adequate photo points were found and the mean lower low water line was compiled graphically. The classification of some of the foreshore areas was changed in Final Review.

The hydro control panels which were field identified were not used in office compilation. The identification of these points on the 1:50,000 scale compilation photographs was not possible. However, they were readily identifiable on the 1:30,000 scale color photographs which were not supplied for compilation.

The point data set derived by the bridging section for the hydro signals is for the hydrographer's aid only and was not necessary for compilation of the maps.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. Quadrangles: Sitka (C-1), Alaska, dated 1951, minor revisions 1967; Sitka (D-1), Alaska, dated 1951, minor revisions 1979; and Sumdum (C-6), Alaska, dated 1951, minor revisions 1972. All three are 1:63,360 scale.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

There is no contemporary hydrographic survey within the limits of this map.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Charts: 17362, 8th edition, dated April 22, 1978, scale 1:40,000; 17360, 25th edition, dated January 29, 1983, scale 1:217,828; and 17320, 11th edition, dated October 1, 1983, scale 1:217,828.

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.

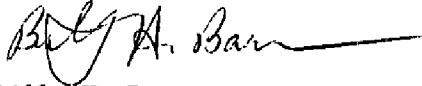
Lowell O. Neterer, Jr.

Final Reviewer

October 12, 1984

TP-01165

Approved for forwarding,

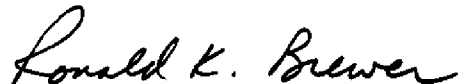


Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,



Robert A. Rodley
Chief, Photogrammetric Section, Rockville



Ronald K. Brewer
Chief, Photogrammetry Branch,
Rockville

September 26, 1984

GEOGRAPHIC NAMES

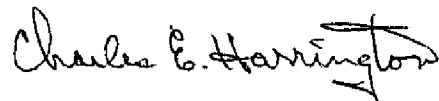
FINAL NAME SHEET

CM-8203 (Seymour Canal, Alaska)

TP-01165

Admiralty Island
Beacon Rock
Bear Creek
Buck Island
Dorn Island
Faust Island
Flaw Point
Glass Peninsula
Mole Harbor
Rasp Ledge
Seymour Canal
Short Finger Bay
Sore Finger Cove
The Stone Wall
Tiedeman Island

Approved By:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

Replaces C&GS Form 567.

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NON-FLUORESCENT LANDMARKS FOR CHARTS

[illegible]

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

Replaces C&GS Form 567.

NONFLOATING AIDS OR FLOWERS FOR CHARTS

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

ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☒ COMPILATION ACTIVITY
☐ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH

REPORTING UNIT
(Field Party, Ship or Office)
Coastal Mapping Unit,
AMC, Norfolk, VA

STATE
Alaska

LOCALITY

Seymour Canal

DATE _____

Aug. 1984

The following objects ☐ HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

(See reverse for responsible personnel)

OPR PROJECT NO.

[illegible]

SURVEY NUMBER

CM-8203

TP-01165

DATA

J.A. 1927

TP-01165

POSITION

--	--

see instructions

(opis oboj)

CHARTS

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<div>ORIGINATOR</div> <input 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	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<div>OFFICE ACTIVITY REPRESENTATIVE</div> <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP 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 L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	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-Vls.' and date. EXAMPLE: V-Vls. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

USCOMM-DC 8528-P03