

TP-01319

TP-01319

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-01319	Edition No. 1
Job No. CM-8404	
Map Classification FINAL, CLASS III	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality ICY STRAIT, CRIST POINT TO IDAHO INLET	
Locality IDAHO INLET	
1987 TO 19	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.					
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">           TYPE OF SURVEY  <input checked="" type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%;">           SURVEY TP. <u>01319</u>             MAP EDITION NO. (1)             MAP CLASS III Final             JOB <del>NY</del> CM-8404         </td> </tr> </table>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>01319</u>  MAP EDITION NO. (1)  MAP CLASS III Final  JOB <del>NY</del> CM-8404		
TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>01319</u>  MAP EDITION NO. (1)  MAP CLASS III Final  JOB <del>NY</del> CM-8404						
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA  OFFICER-IN-CHARGE  C. Dale North, Jr.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>LAST PRECEDING MAP EDITION</b> </td> </tr> <tr> <td style="width: 50%;">           TYPE OF SURVEY  <input type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%;">           JOB PH. _____            MAP CLASS _____            SURVEY DATES:            19__ TO 19__         </td> </tr> </table>		<b>LAST PRECEDING MAP EDITION</b>		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
<b>LAST PRECEDING MAP EDITION</b>							
TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__						
<b>I. INSTRUCTIONS DATED</b>							
<b>1. OFFICE</b>		<b>2. FIELD</b>					
Compilation January 27, 1988		Field March 23, 1987 Change No. 1 April 13, 1987					
<b>II. DATUMS</b>							
<b>1. HORIZONTAL:</b> 1983 <input checked="" type="checkbox"/> <del>NAD</del> NORTH AMERICAN		OTHER (Specify) _____					
<b>2. VERTICAL:</b> <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) _____					
<b>3. MAP PROJECTION</b>  Oblique Mercator Projection		<b>4. GRID(S)</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE</td> <td style="width: 50%;">ZONE</td> </tr> <tr> <td style="text-align: center;">N.A.</td> <td style="text-align: center;">N.A.</td> </tr> </table>		STATE	ZONE	N.A.	N.A.
STATE	ZONE						
N.A.	N.A.						
<b>5. SCALE</b>  1:20,000		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE</td> <td style="width: 50%;">ZONE</td> </tr> </table>		STATE	ZONE		
STATE	ZONE						
<b>III. HISTORY OF OFFICE OPERATIONS</b>							
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>				
<b>1. AEROTRIANGULATION</b> METHOD: Analytic LANDMARKS AND AIDS BY		B. Thornton	Dec. 1987				
<b>2. CONTROL AND BRIDGE POINTS</b> METHOD: Kongsburg Plotter PLOTTED BY		B. Thornton	Dec. 1987				
<b>3. STEREOSCOPIC INSTRUMENT</b> COMPILATION PLANIMETRY BY		R. Kravitz	Feb. 1988				
INSTRUMENT: Wild B-8 CHECKED BY		F. Mauldin	Feb. 1988				
SCALE: 1:20,000 CHECKED BY		N.A.					
<b>4. MANUSCRIPT DELINEATION</b> METHOD: Smooth Drafted PLANIMETRY BY		R. Kravitz	Feb. 1988				
SCALE: 1:20,000 CHECKED BY		F. Mauldin	Feb. 1988				
HYDRO SUPPORT DATA BY		R. Kravitz	Feb. 1988				
CHECKED BY		F. Mauldin	Feb. 1988				
<b>5. OFFICE INSPECTION PRIOR TO Final Review</b> BY		F. Mauldin	Feb. 1988				
<b>6. APPLICATION OF FIELD EDIT DATA</b> BY		N.A.					
CHECKED BY		N.A.					
<b>7. COMPILATION SECTION REVIEW Class III</b> BY		F. Mauldin	Feb. 1988				
<b>8. FINAL REVIEW Class III</b> BY		L. O. Neterer, Jr.	Mar. 1988				
<b>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</b> BY		L. O. Neterer, Jr.	May 1988				
<b>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</b> BY		P. Dempsey	Jul 1988				
<b>11. MAP REGISTERED - COASTAL SURVEY SECTION</b> BY		J. Rikon	Dec 1988				

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 (B) (B = 152.74mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE ZONE Alaska MERIDIAN 135°	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
87 BCN 5689-5692	6-04-87	0856	1:50,000	6.8 ft. above MLLW	
87 BCN 5710-5715	6-04-87	0929	1:50,000	5.8 ft. above MLLW	
				Mean Tide Range = 13.5 ft.	

## REMARKS

Stage of tide for all photography based on predicted tide data at Point Adolphus, Alaska.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high-water line was compiled from office interpretation of the above listed photographs.

## 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-01316	EAST CM-8502 (TP-01361), TP-01320	SOUTH No Survey	WEST CM-8410 (TP-01330) CM-8413 (TP-01339)
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## REMARKS

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

TP-01319

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Fredrick	May 1987
2. HORIZONTAL CONTROL	RECOVERED BY M. Mozgala	May 1987
	ESTABLISHED BY N.A.	
	PRE-MARKED OR IDENTIFIED BY M. Mozgala	May 1987
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 N.A.	
	LOCATED (Field Methods) BY N.A.	
	IDENTIFIED BY N.A.	
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 N.A.	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
Premarked		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
87 BCN 5715	TIDAL, 1987 (Field Position)		
87 BCN 5711	IDAHO, 1970		
87 BCN 5689	LACK, 1901		
87 BCN 5691	JOG, 1901		

## 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)

4 Forms 76-53

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

TP-01319

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	February 1988	Class III Manuscript		
Final Review	March 1988	Final Class III Map	Aug. 1988	Aug. 1988

## II. LANDMARKS AND AIDS TO NAVIGATION

None

## J. 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: None3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

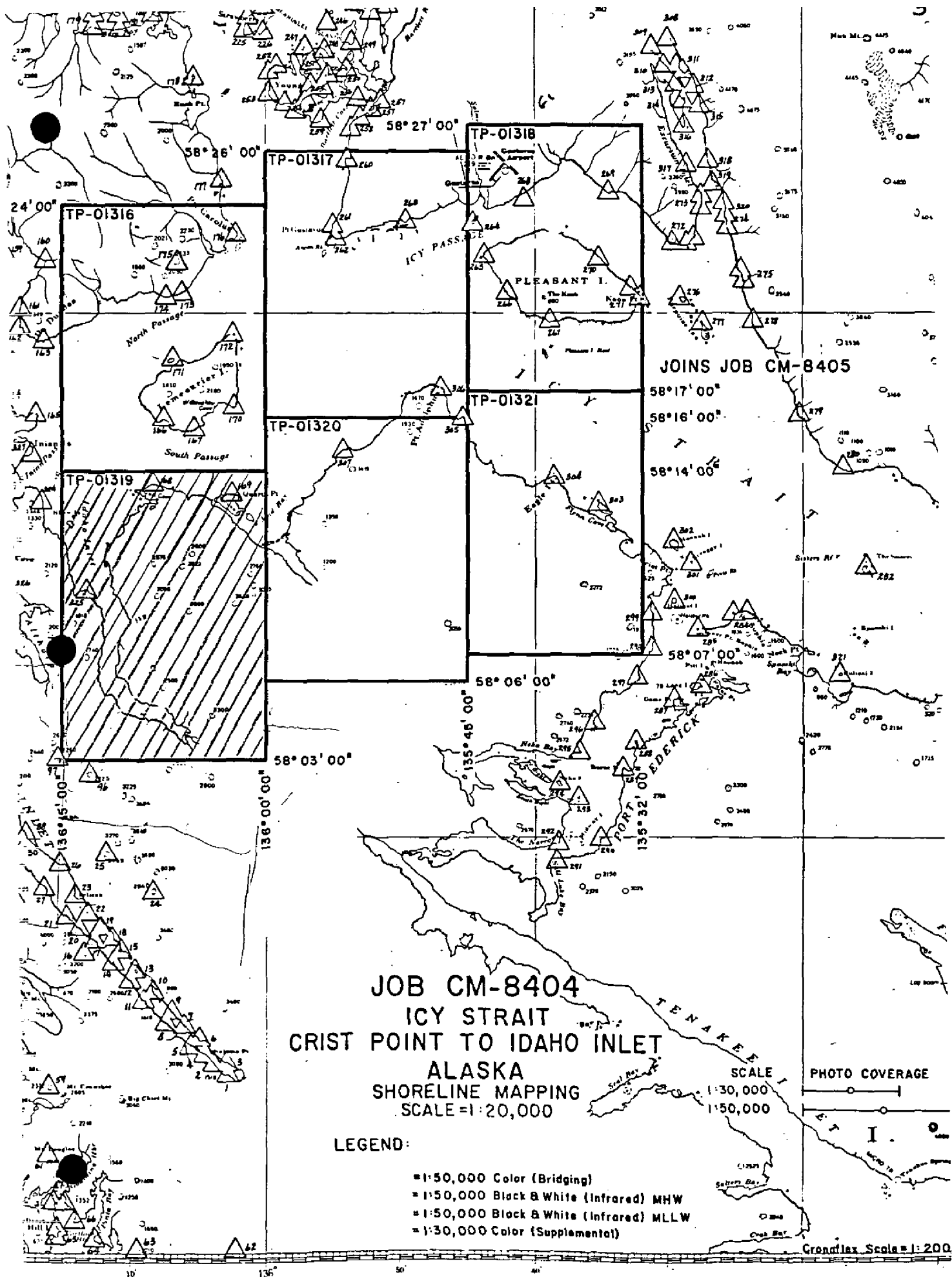
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS. <sup>76-40</sup> ~~162~~ 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	



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-01319

This 1:20,000 scale map is one of six maps, in project CM-8404, Icy Strait, Crist Point to Idaho Inlet, Alaska. The project extends from latitude 58° 03' 00" north to latitude 58° 27' 00", longitude 135° 32' 00" west to longitude 136° 15' 00".

Field work prior to compilation was accomplished during April and May 1987. This consisted of premarking triangulation stations to satisfy aerotriangulation requirements. In June 1987 after the photographs were taken one control station was photoidentified.

Photographic coverage was provided in June 1987 with color film at 1:50,000 scale using the "B" camera (focal length 152.74 millimeters).

Analytic aerotriangulation was performed at the Washington Science Center in December 1987.

Compilation was performed at the Atlantic Marine Center, from office interpretation of the 1:50,000 scale color photography, in February 1988.

Final review was accomplished at the Atlantic Marine Center in March 1988. A Chart Maintenance Print, for Marine Chart Branch, two copies of Notes for Hydrographer Print, one for the Hydrographic Branch, the other for the NOAA ship FAIRWEATHER were prepared and forwarded.

A two times enlargement of this map, made in two parts, was sent to the NOAA ship FAIRWEATHER, with a disclaimer that the map area had been increased four times and the accuracy is unknown.

This map is to be registered as a Final Class III Map.

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

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
PACIFIC MARINE CENTER  
PACIFIC PHOTO PARTY  
PROJECT REPORT CM-8404  
ICY STRAIT 1987  
SOUTHEAST ALASKA



# I. AUTHORITY

By instruction of the Director, Pacific Marine Center.

# II. DATES

Field work and paneling were accomplished during the period of April 21 to May 17, 1987. Photo Identification and the removal of panels was accomplished June 24-25, 1987.

# III. PURPOSE

The purpose of this project was to panel horizontal control stations for aerial photography in accordance with CM-8404 Project Instructions, Icy Strait, Idaho Inlet to Crist Point, Alaska, Shoreline Mapping, dated March 23, 1987.

# IV. TERRAIN AND WORKING CONDITIONS

The shoreline in the Icy Strait varies from rock shelf to boulder beaches with the former being the most prevalent. The treeline comes very close to shoreline in most areas.

The area between Gustavus to Point Gustavus is mud and sand. This area is changed from the depiction on both USGS Quad sheets and the Nautical Charts that were available and used by this field party. Trees now extend southward from the former shoreline in much of this area.

The basic horizontal control network in this area was established in 1901. After comparing the original descriptions with the existing terrain, it is apparent that the tree and tundra line have grown toward the shoreline approximately 20 feet and made the recovery of most marks very difficult.

Overcast skies, rain, snow and sleet was the predominant weather during this task. No time was lost to weather, however.

The paneling material used was commercial grade plastic reinforced with nylon thread and is almost bear proof, but no way was found to secure the material to the ground so that the bears couldn't rip the entire array from it's secured position. This was the case at several sites and these were re-paneled using the original material.

# V. PERSONNEL

J. Gary Fredrick (NOS)  
Marlene Mozgala (LT, NOAA)  
Dan Maurice (Tempsco Helicopter Pilot)

## VI. EQUIPMENT

Wild T-2 Theodolite  
 Hewlett Packard 3808A EDM  
 3-Prism Retro Reflectors  
 Wild adjustable tripods  
 30 meter steel tape  
 Magnavox 1502 Transit Satellite Receivers  
 Plastic Paneling Material  
 Hughes 500D Helicopter

## VII. FIELD METHODS

Panels were directly installed over 12 existing control points. Nine (9) sub points were established using fixed control and azimuth, angle, distance or on line azimuth, distance. Two (2) stations were established by translocation, and 2 stations by conventional third order techniques.

After this project was flown and the photographs were examined, station TIDAL (Number 1) could not be identified. The field Party returned to the area in June to remove the panels. The panel at station TIDAL had been torn away. The wings were still secure and photo identifiable. The inside end of the most southeasterly wing, TIDAL SE WING (Number 1-A) was photoidentified at that time. The center of the three wings (station), is a boulder and probably will be visible.

Panels were secured by various techniques. Griffolyn Plastic Material T65 was used for all panels and wings. Griffolyn plastic clips were used with wire and or nylon line to then secure the material to wooden stakes or iron pins. This proved to be an effective method of paneling, with the exception of the plastic clips breaking when subjected to severe strain. This problem is going to be discussed with the manufacturer. Wire was used over the tops of panels in cases where they were subject to severe weather.

This field party was based in Juneau, using a contract helicopter from Tempsco Helicopter Inc. A Hughes 500D proved to be about the best transportation for the area. It's ability to land in very small areas with minimal blow down on panels is ideal. Equipment bulk is a problem with the Hughes 500 but not weight. The bulk problem was solved by caching equipment in the work area.

## VIII. STATISTICS

NUMBER OF STATIONS RECOVERED	21
NUMBER OF PHOTO ID POINTS ESTABLISHED	1
NUMBER OF SUB POINTS ESTABLISHED	9
NUMBER OF STATIONS ESTABLISHED	4

# IX. RECORDS

All photo points paneled or identified in the field have been described and positions entered on CSI cards. Aerial Photographs of each site are attached to the CSI cards. The data supporting these geographic positions is included on the CSI cards. Translocation solutions and conventional 3rd order surveys have been retained for submission to the National Geodetic Survey.

# X. RESULTS

A table of NAD 83 geographic positions follows:

## DIRECT OR SUBSTITUTE STATIONS IDENTIFIED FOR PROJECT CM-8404

<u>NO</u>	<u>STATION</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
1	TIDAL ✓	58,04,16.613 ✓	136,06,03.609 ✓
1A	TIDAL SE WING ✓	58,04,16.484 ✓	136,06,03.272 ✓
2	IDAHO 1970 ✓	58,09,28.836 ✓	136,13,15.301 ✓
3	ICY 1970 ✓	58,12,56.558 ✓	136,16,30.744 ✓
4	GLORIA 1970 ✓	58,16,10.954 ✓	136,20,03.361 ✓
5	BAN 1901 ✓	58,20,02.107 ✓	136,18,17.253 ✓
6	DEED 1901 ✓	58,21,04.689 ✓	136,17,37.122 ✓
7	TOWN 1938 SUB PT ✓	58,24,48.638 ✓	136,03,15.903 ✓
8	DAM 1901 SUB PT ✓	58,20,42.175 ✓	136,08,32.088 ✓
9	DAM 1901 ✓	58,19,08.821 ✓	136,02,27.081 ✓
10	YAK 1901 ✓	58,15,48.046 ✓	136,07,57.536 ✓
11	LACK 1901 SUB PT ✓	58,13,29.285 ✓	136,08,23.450 ✓
12	JOG 1901 SUB PT ✓	58,13,05.609 ✓	136,02,32.915 ✓
13	MUD BAY ✓	58,11,00.410 ✓	135,59,36.824 ✓
14	DAMP 1901 SUB PT ✓	58,14,46.921 ✓	135,54,20.214 ✓
15	ADOLPHUS 2 1922 ✓	58,17,09.847 ✓	135,46,58.184 ✓
16	PT GUSTAVUS WEST BASE 1923 ✓	58,22,47.408 ✓	135,54,44.931 ✓
17	OOPS ✓	58,23,13.034 ✓	135,49,27.324 ✓
18	DITCH ✓	58,23,54.640 ✓	135,42,32.170 ✓
19	GENE SUB PT ✓	58,27,00.556 ✓	135,27,18.692 ✓
20	ANT 1923 ✓	58,22,02.097 ✓	135,44,01.316 ✓
21	KNOB 1923 SUB PT ✓	58,20,47.754 ✓	135,42,26.396 ✓
22	HELP 1901 SUB PT ✓	58,20,23.425 ✓	135,32,10.373 ✓
23	EAGLE 1922 ✓	58,13,54.846 ✓	135,38,41.748 ✓
24	EAGLE 1922 SUB PT ✓	58,12,10.258 ✓	135,34,58.623 ✓
25	SCRAGGY 1901 ✓	58,10,27.582 ✓	135,28,22.670 ✓

*Handwritten signature/initials*

AEROTRIANGULATION REPORT  
CM-8404  
ICY STRAIT, CRIST POINT TO IDAHO INLET,  
ALASKA

DECEMBER 1987

21. AREA COVERED

This report covers the Icy Strait, Alaska area from Crist Point to Idaho Inlet. The project consists of six 1:20,000-scale sheets; TP-01316 through TP-01321.

22. METHOD

Nine strips of 1:50,000-scale color photographs were bridged by analytical aerotriangulation methods using the STK comparators. They were adjusted to ground using the General Integrated Analytical Triangulation Program (GIANT). Pre-marked control stations were used as horizontal control. Common points were transferred between strips to ensure adequate junctioning.

Ratio values were determined for the bridging photographs and the 1:50,000-scale MHW infrared photographs. There were no MLLW infrared photographs. A copy of these values and a sketch of the photo coverage are attached to this report.

The base manuscripts were plotted on the Kongsberg plotter. The positions are in the Alaska State Plane Coordinate System, Zone 1. This is an oblique Mercator projection. All positions are based on NAD 1983. In addition, 10mm ticks depicting NAD 1927 projection intersections were plotted at twice the interval of the NAD 1983 projection intersections.

23. ADEQUACY OF CONTROL

The control was adequate and meets the National Ocean Service requirements. A listing of closures to control is attached.

24. SUPPLEMENTAL DATA

USGS topographic quadrangles were used to obtain vertical control for bridging. NOS Nautical Charts were used to locate aids and landmarks.

25. PHOTOGRAPHY

The coverage, overlap, and quality of the photographs were adequate for the job.

Submitted by,

*Brian Thornton*

*Vic McNeel*

Brian Thornton

Vic McNeel

Approved and Forwarded:

*Don O. Norman*

Don O. Norman

Chief, Aerotriangulation Unit

RATIO VALUES  
CM-8404

1:50,000 Bridging Photographs

Ratio Value

87 B(CN) 5612-5620	2.45
87 B(CN) 5639-5642	2.48
87 B(CN) 5649-5655	2.47
87 B(CN) 5664-5669	2.48
87 B(CN) 5677-5683	2.48
87 B(CN) 5689-5692	2.48
87 B(CN) 5697-5701	2.48
87 B(CN) 5708-5715	2.48
87 B(CN) 5719-5729	2.47

MHW 1:50,000 Black and White Infrared

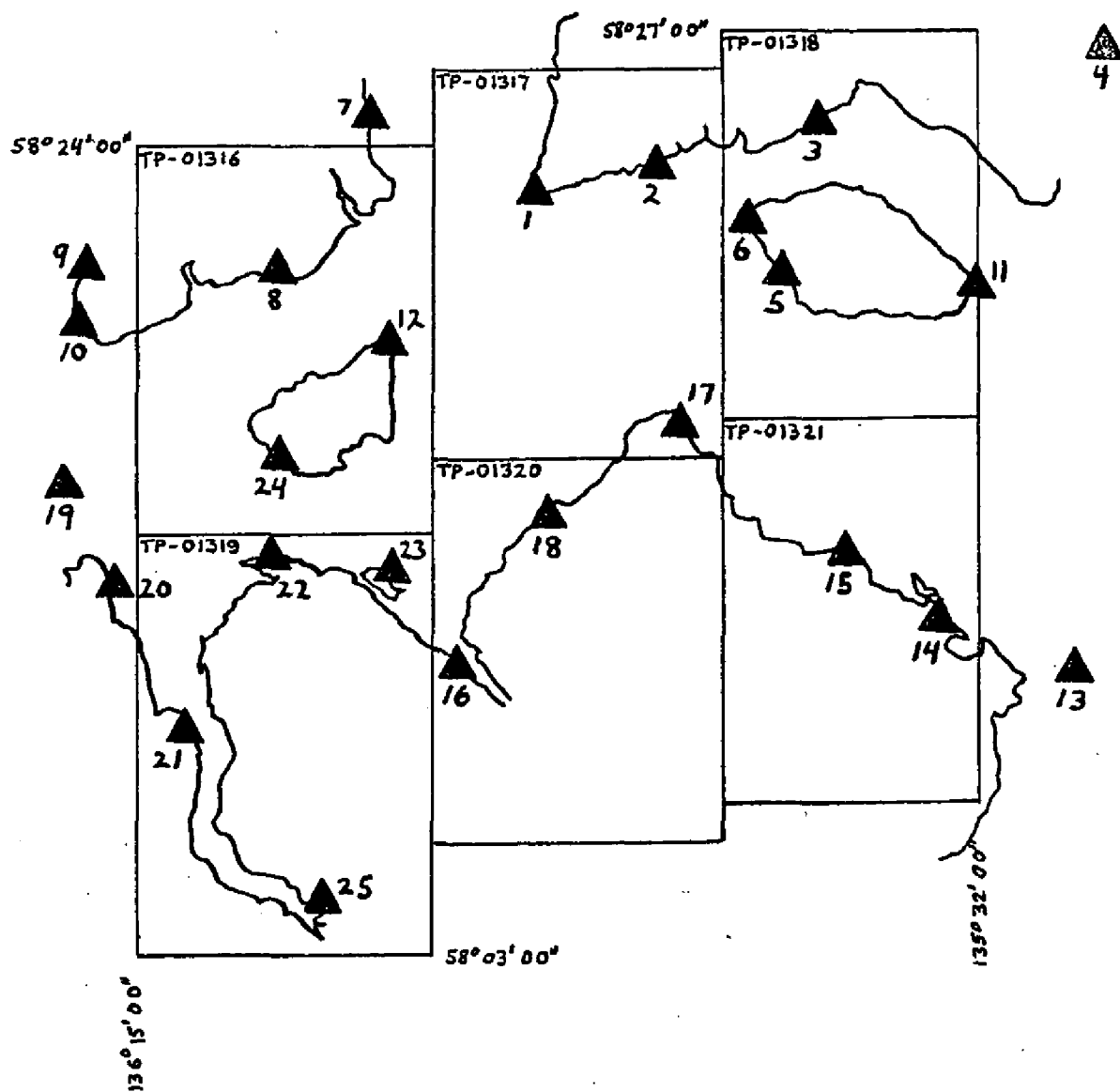
87 B(R) 6375-6379	2.46
87 B(R) 6381-6389	2.46

FIT TO CONTROL

STATION NAMES	POINT NO.	VALUES IN FEET	
		X	Y
1. Pt. Gustavus West Base, 1923	612100	+0.2	0.0
2. Oops	613100	+0.6	+1.5
3. Ditch	615100	-0.3	-0.3
4. Gene, sub. point	619101	-0.9	+1.7
5. Knob 1923, sub. point	641101	+0.1	-0.5
6. Ant 1923	642100	+0.7	-0.2
7. Town 1938, sub. point	649101	+0.3	+0.3
8. Dam 1901, sub. point	652101	-0.5	-0.4
9. Deed 1901	654100	-0.3	0.0
10. Ban 1901	655100	+0.6	+0.1
11. Help 1901, sub. point	669101	-0.5	-2.2
12. Dam 1901	652100	-0.1	-1.1
13. Scraggy 1901	677100	+0.3	-0.5
14. Eagle 1922, sub. point	679101	-0.4	+0.6
15. Eagle 1922	680100	+0.1	+0.2
16. Mud Bay	692100	0.0	+3.4
17. Adolphus 2, 1922	697100	+0.4	+0.2
18. Damp 1901, sub. point	699101	-0.1	-1.1
19. Gloria 1970	708100	+1.4	+0.9
20. Icy 1970	710100	-1.9	-0.3
-21. Idaho 1970	711100	-2.1	-1.0
-22. Lack 1901 sub. point	723101	-0.1	-2.0
-23. Jog 1901 sub. point	725101	+2.6	0.0
24. Yak 1901	726100	-0.4	+0.1
-25. Tidal S.E. Wing	715101	+0.3	+0.9

JOB CM-8404  
 ICY STRAIT  
 CRIST POINT TO IDAHO INLET  
 ALASKA  
 SHORELINE MAPPING  
 SCALE=1:20,000

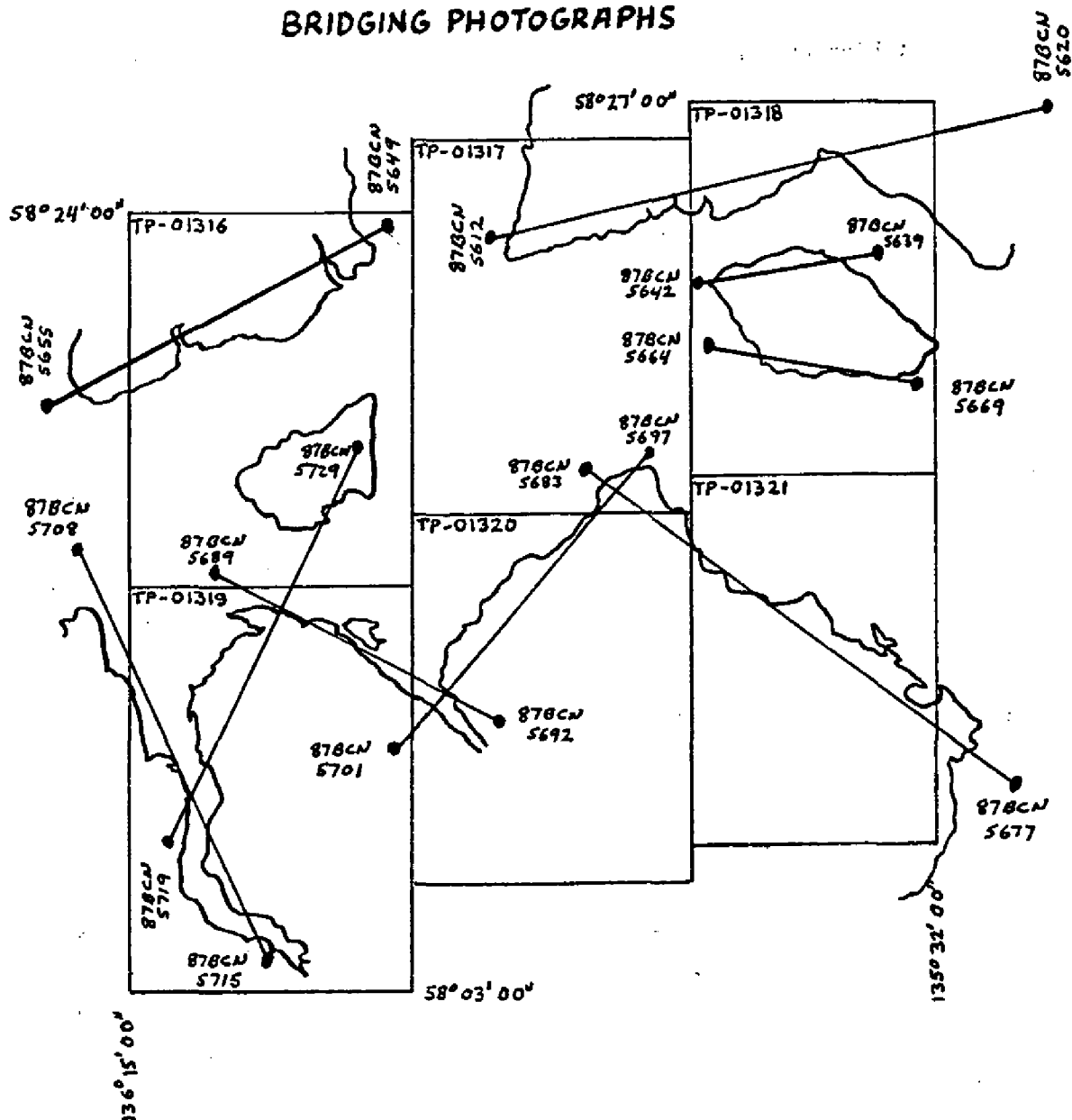
HORIZONTAL CONTROL



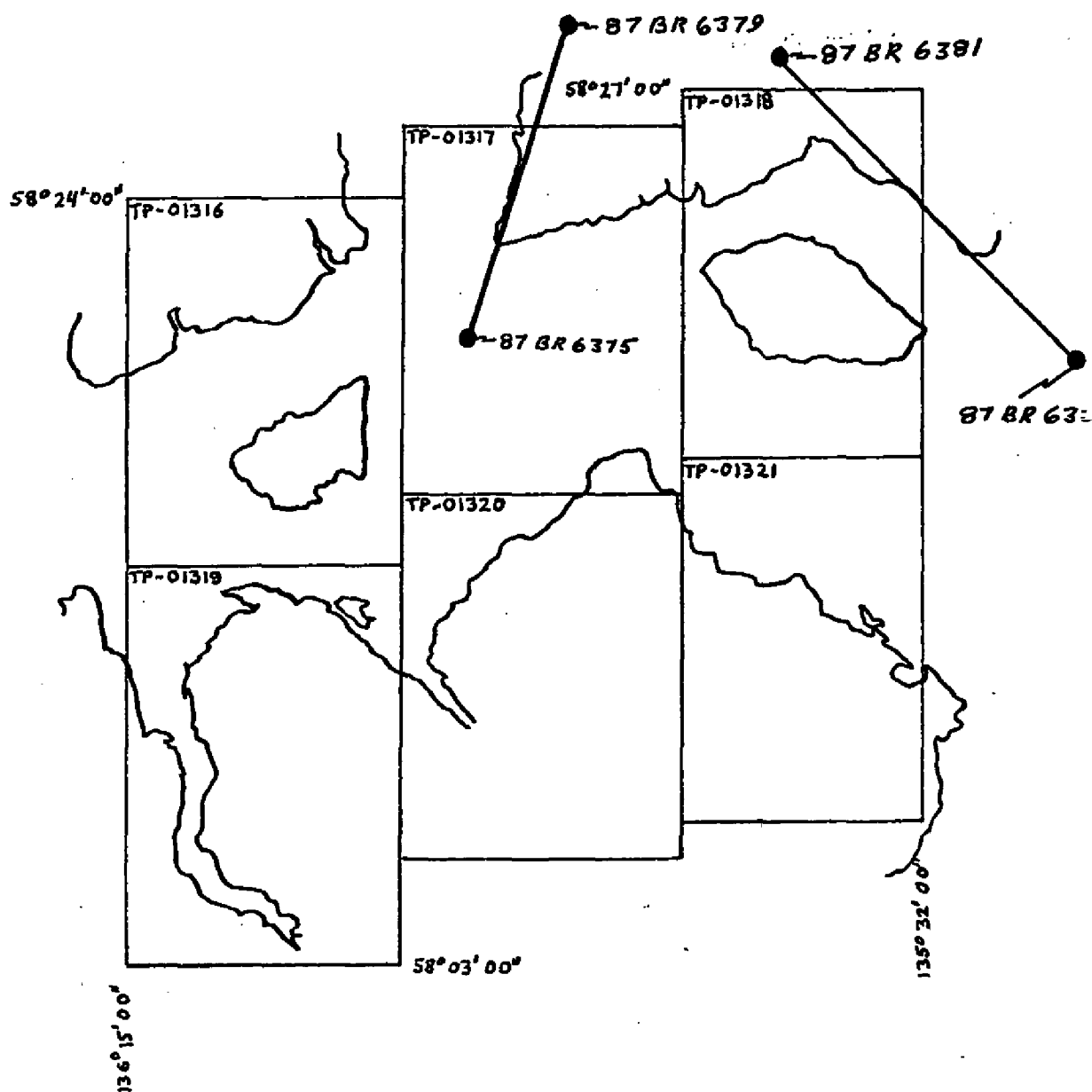


JOB CM-8404  
ICY STRAIT  
CRIST POINT TO IDAHO INLET  
ALASKA  
SHORELINE MAPPING  
SCALE=1:20,000

BRIDGING PHOTOGRAPHS



JOB CM-8404  
 ICY STRAIT  
 CRIST POINT TO IDAHO INLET  
 ALASKA  
 SHORELINE MAPPING  
 SCALE=1:20,000



1:50,000 BLACK & WHITE (INFRARED) MHW

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY	
					COORDINATES IN FEET STATE Alaska ZONE 1	Geographic Position $\phi$ LATITUDE $\lambda$ LONGITUDE	Unit, Norfolk, VA	Coastal Mapping
TP-01319		TIDAL, 1987	Field Control Book	715100	X=	$\phi$ 58° 04' 16.613"		
					Y=	$\lambda$ 136° 06' 03.609"		
		IDAHO, 1970	Field Control Book	711100	X=	$\phi$ 58° 09' 28.836"		
					Y=	$\lambda$ 136° 13' 15.301"		
		LACK, 1901	Field Control Book	723100	X=	$\phi$ 58° 13' 28.804"		
					Y=	$\lambda$ 136° 08' 23.540"		
		JOG, 1901	Field Control Book	725100	X=	$\phi$ 58° 13' 05.322"		
					Y=	$\lambda$ 136° 02' 32.343"		
					X=	$\phi$		
					Y=	$\lambda$		
					X=	$\phi$		
					Y=	$\lambda$		
					X=	$\phi$		
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					Y=	$\lambda$		
					X=	$\phi$		
					Y=	$\lambda$		
					X=	$\phi$		
					Y=	$\lambda$		
COMPUTED BY								DATE
LISTED BY								DATE
HAND PLOTTING BY								DATE

D. Miller

DATE  
1/29/88LISTING CHECKED BY  
F. Mauldin

HAND PLOTTING CHECKED BY

DATE  
2/16/88

## COMPILATION REPORT

TP-01319

31. DELINEATION:

Delineation was accomplished using Wild B-8 stereo instrument compilation methods to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:50,000 scale bridging/ compilation color photographs. There were no mean high water or mean lower low water infrared photographs for this map.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate.

32. CONTROL:

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated December 1987.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

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

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line was compiled from office interpretation of the bridging/ compilation photographs. There was no mean lower low water line compiled on this map.

36. OFFSHORE DETAILS:

Offshore detail was compiled by instrument methods using the 1:50,000 scale bridging/ compilation color photographs as described in item #31.

TP-01319

37. LANDMARKS AND AIDS:

There are no charted landmarks or aids to navigation within the limits of this map.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

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

40. HORIZONTAL AND VERTICAL ACCURACY:

See item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with the following U.S. Geological Survey Quadrangle:

Mt. Fairweather (A-1), Alaska; dated 1948, minor revisions 1970;  
scale 1:63,360

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the following National Ocean Service charts:

17300; 24th edition; dated June 15, 1985; scale 1:209,978  
17302; 14th edition; dated October 3, 1981; scale 1:80,000

TP-01319

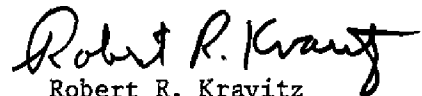
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

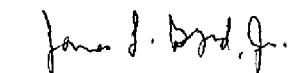
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

  
Robert R. Kravitz  
Cartographic Technician  
February 12, 1988

Approved:

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8404 (Icy Strait, Crist Point to Idaho Inlet, Alaska)

TP-01319

Chichagof Island

Goose Island

Gull Cove

Icy Strait

Idaho Inlet

Inian Peninsula

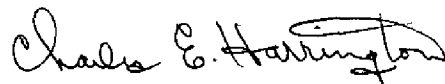
Mud Bay

Quartz Point

Shaw Islands

South Passage

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

REVIEW REPORT  
SHORELINE  
TP-01319

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 USGS quadrangle: MT. FAIRWEATHER (A-1), Alaska, dated 1948, minor revisions 1970, scale 1:63,360.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

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

65. COMPARISON WITH NAUTICAL CHARTS:

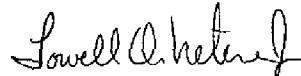
A comparison was made with the following NOS Charts:

17300, 24th edition, dated June 15, 1985, scale 1:209,978  
17302, 14th edition, dated October 3, 1981, scale 1:80,000.

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:



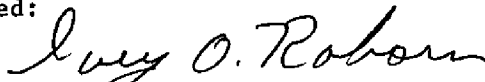
Lowell O. Neterer, Jr.  
Final Reviewer  
March 1988

Approved for forwarding:



Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:



Chief, Photogrammetric Production Sec.



Chief, Photogrammetry Branch



### RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

## INSTRUCTIONS

**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]