

TP-01316

TP-01316

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-01316	Edition No. 1
Job No. CM-8404	
Map Classification FINAL CLASS III	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality ICY STRAIT, CHRIST POINT TO IDAHO INLET	
Locality LEMESURIER ISLAND	
1987 TO 19	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.					
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED </td> <td style="width: 50%;"> SURVEY TP. <u>01316</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>PH. CM-8404</u> </td> </tr> </table>		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	SURVEY TP. <u>01316</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>PH. CM-8404</u>		
TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	SURVEY TP. <u>01316</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>PH. CM-8404</u>						
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> LAST PRECEDING MAP EDITION </td> </tr> <tr> <td style="width: 50%;"> TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED </td> <td style="width: 50%;"> JOB <u>PH.</u> MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </td> </tr> </table>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED	JOB <u>PH.</u> MAP CLASS _____ SURVEY DATES: 19__ TO 19__
LAST PRECEDING MAP EDITION							
TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED	JOB <u>PH.</u> MAP CLASS _____ SURVEY DATES: 19__ TO 19__						
OFFICER-IN-CHARGE C. Dale North, Jr.							
I. INSTRUCTIONS DATED							
1. OFFICE		2. FIELD					
Compilation January 27, 1988		Field March 23, 1987 Change No. 1 April 13, 1987					
II. DATUMS							
1. HORIZONTAL: ☒ 1983 ☒ 1983 NORTH AMERICAN		OTHER (Specify)					
2. VERTICAL: ☒ MEAN HIGH-WATER ☐ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL		OTHER (Specify)					
3. MAP PROJECTION Oblique Mercator Projection		4. GRID(S) <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.						
5. SCALE 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> <tr> <td></td> <td></td> </tr> </table>		STATE	ZONE		
STATE	ZONE						
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS		NAME	DATE				
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		B. Thornton	Dec. 1987				
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Kongsburg Plotter CHECKED BY		B. Thornton D. Norman	Dec. 1987 Dec. 1987				
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:20,000 CONTOURS BY CHECKED BY		D. Miller F. Mauldin N.A. N.A.	Feb. 1988 Feb. 1988 				
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth Drafted CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		D. Miller F. Mauldin N.A. N.A. D. Miller F. Mauldin	Feb. 1988 Feb. 1988 Feb. 1988 Feb. 1988				
5. OFFICE INSPECTION PRIOR TO Final Review BY		F. Mauldin	Feb. 1988				
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		N.A. N.A.	 				
7. COMPILATION SECTION REVIEW Class III BY		F. Mauldin	Feb. 1988				
8. FINAL REVIEW Class III BY		L. O. Neterer, Jr.	Mar. 1988				
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr.	May 1988				
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		P. Dempsey	Jul 1988				
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. P. Koon	Dec 1988				

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

TP-01316

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	
TIDE STAGE REFERENCE ☒ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☐ TIDE CONTROLLED PHOTOGRAPHY				ZONE Alaska MERIDIAN 135°	☒ STANDARD ☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
87 BCN 5651-5654	6-04-87	0817	1:50,000	8.0 ft. above MLLW	
87 BCN 5728-5729	6-04-87	0950	1:50,000	5.4 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	EAST	SOUTH	WEST (CM-8410)
PH-6502	TP-01317	TP-01319	TP-01328, TP-01330

REMARKS

NOAA FORM 76-36C (3-72)		TP-01316		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
HISTORY OF FIELD OPERATIONS					
I. ☒ FIELD OPERATION OPERATION ☐ FIELD EDIT OPERATION					
OPERATION		NAME		DATE	
1. CHIEF OF FIELD PARTY		J. Fredrick		May 1987	
2. HORIZONTAL CONTROL		RECOVERED BY		M. Mozgala	
		ESTABLISHED BY			
		PRE-MARKED OR IDENTIFIED BY		M. Mozgala	
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 (<i>Triangulation Stations</i>) BY		N.A.	
		LOCATED (<i>Field Methods</i>) BY		N.A.	
		IDENTIFIED BY		N.A.	
5. GEOGRAPHIC NAMES INVESTIGATION		TYPE OF INVESTIGATION			
		☐ COMPLETE		BY	
		☐ SPECIFIC NAMES ONLY			
		☒ 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 5728	YAK, 1901				
87 BCN 5728	DAM, 1901				
3. PHOTO NUMBERS (<i>Clarification of details</i>)					
None					
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED					
None					
PHOTO NUMBER	OBJECT NAME		PHOTO NUMBER	OBJECT NAME	
5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE			6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE		
7. SUPPLEMENTAL MAPS AND PLANS					
None					
8. OTHER FIELD RECORDS (<i>Sketch books, etc. DO NOT list data submitted to the Geodesy Division</i>)					
3 Forms 76-35					

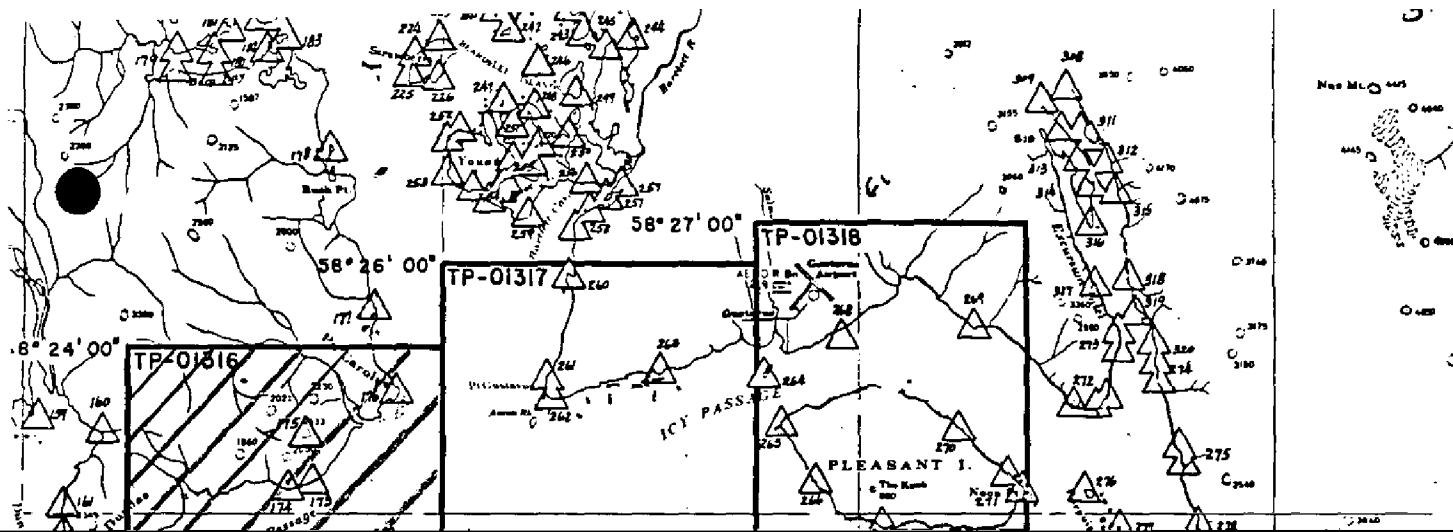
NOAA FORM 76-360
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
TP-01316
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	February 1988	Class III Manuscript		

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH None



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-01316

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.

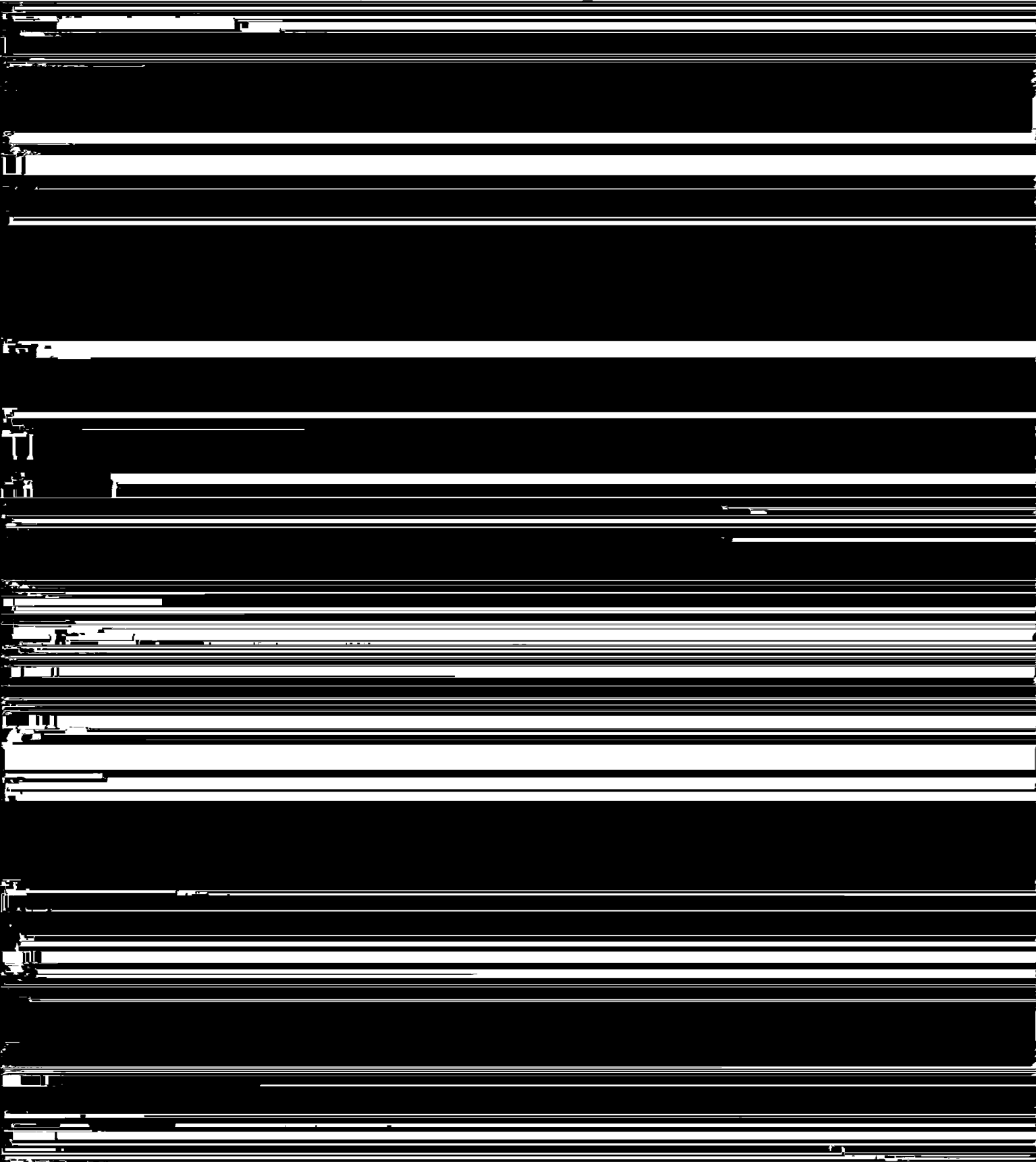
This field party was based in Juneau, using a contract helicopter from Tempsco Helicopter Inc. A Hughes 500D proved to be about the best transportation for the area. It's ability to land in very small areas with minimal blow down on panels is ideal. Equipment bulk is a problem with the Hughes 500 but 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



11

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

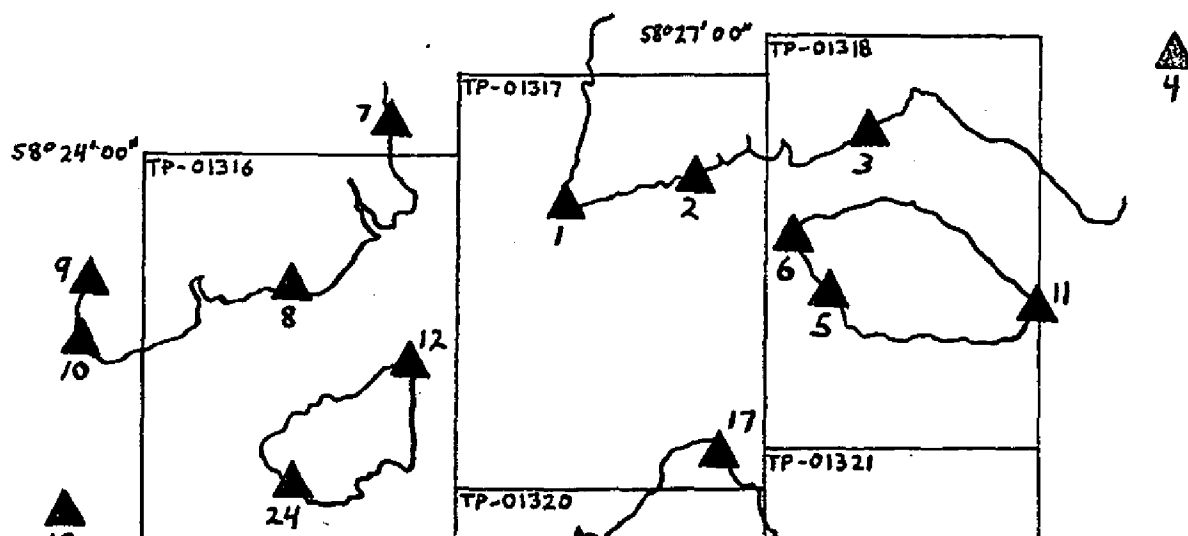
87 B(R) 6375-6379	2.46
87 B(R) 6381-6389	2.46

FIT TO CONTROL

	<u>STATION NAMES</u>	<u>POINT NO.</u>	<u>VALUES IN FEET</u>	
			<u>X</u>	<u>Y</u>
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

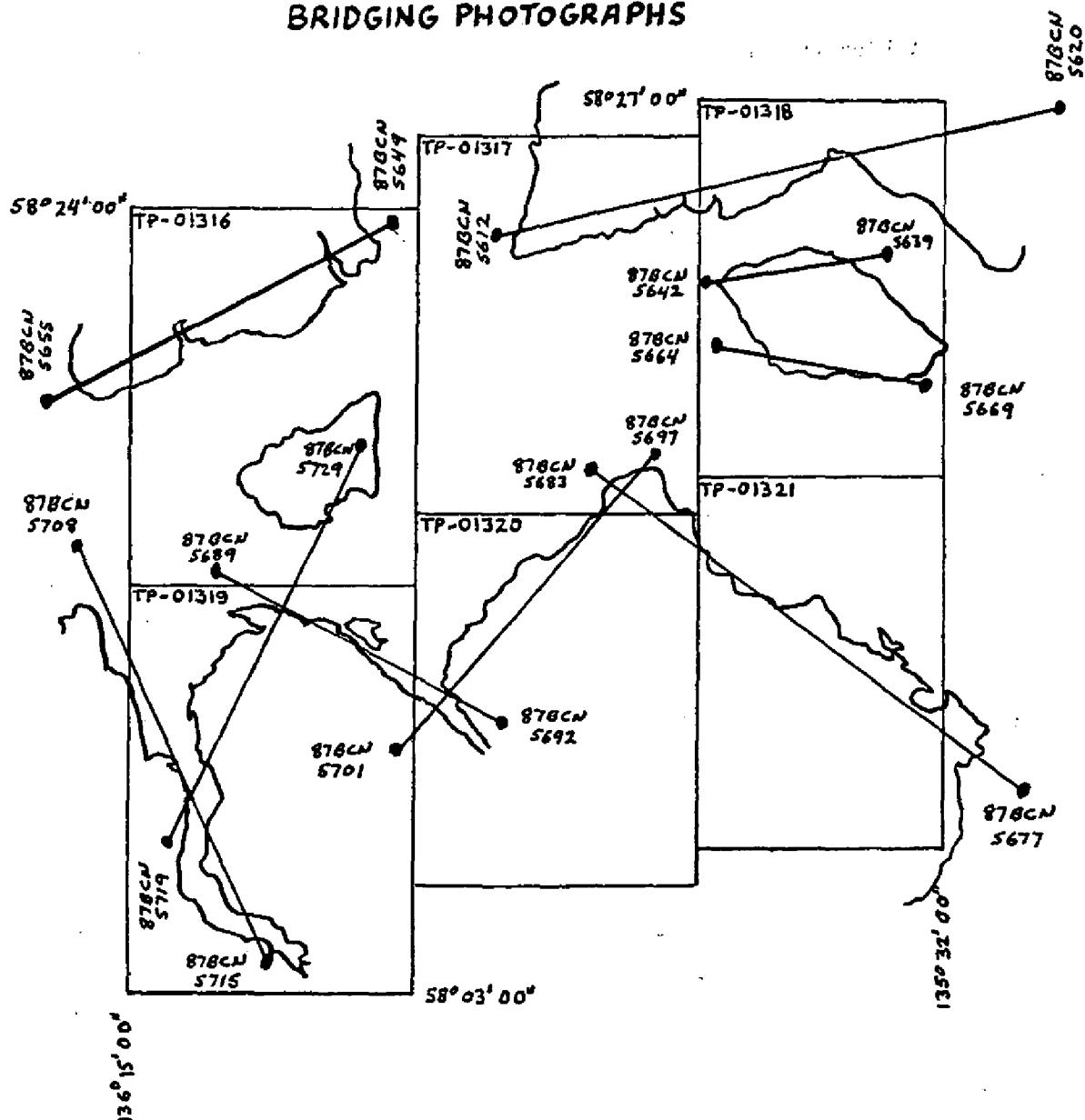
JOB CM-8404
ICY STRAIT
CRIST POINT TO IDAHO INLET
ALASKA
SHORELINE MAPPING
SCALE=1:20,000

HORIZONTAL CONTROL



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

BRIDGING PHOTOGRAPHS

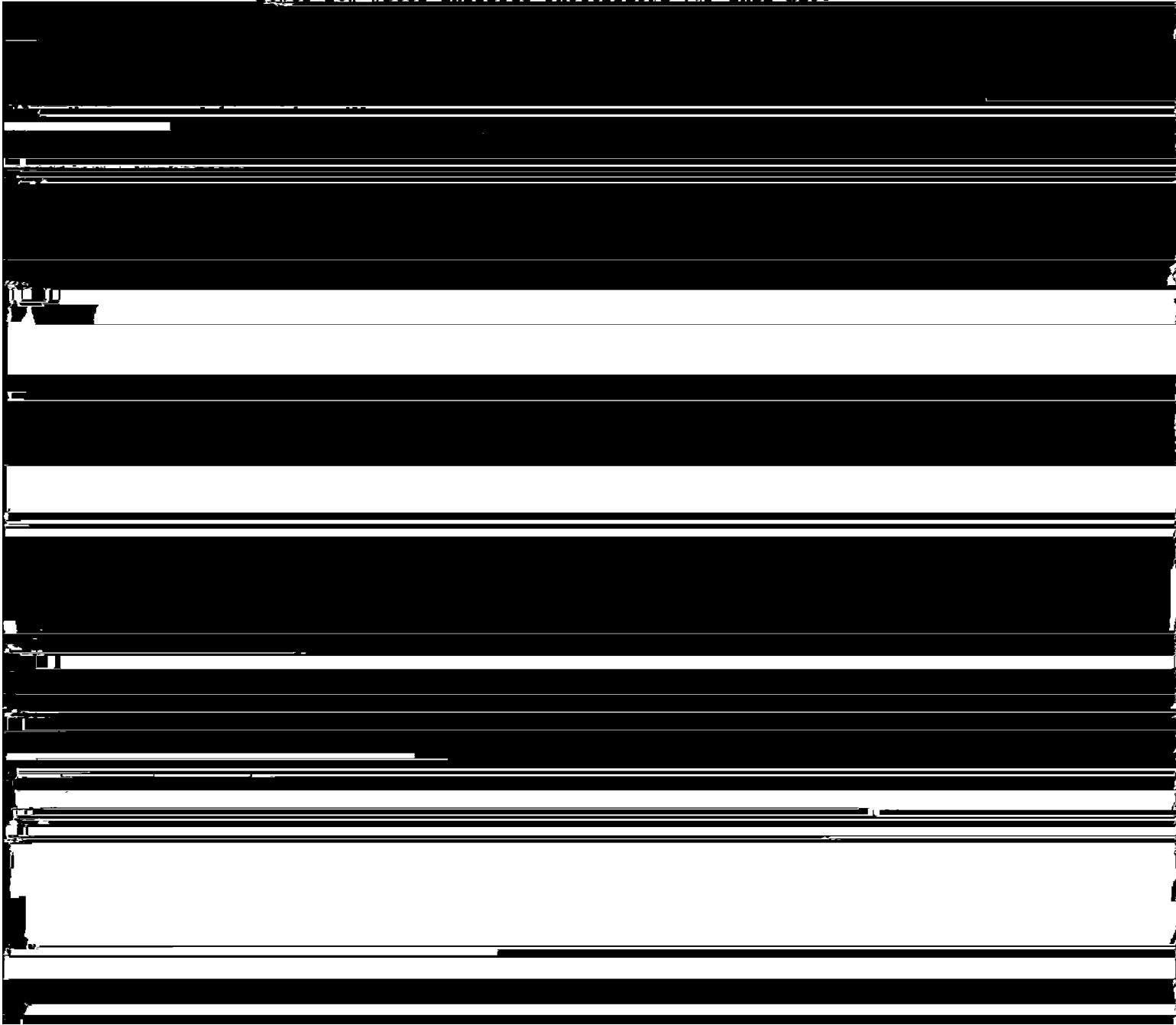


COMPILATION REPORT

TP-01316

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.



TP-01316

37. LANDMARKS AND AIDS:

There are no charted landmarks and one charted aid to navigation within the limits of this map. The one charted aid could not be located/verified photogrammetrically.

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 Quadrangles:

Mt. Fairweather (B-1), Alaska; dated 1948, minor revisions 1966;
scale 1:63,360
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
17318; 2nd edition; dated January 12, 1985; scale 1:80,000

TP-01316

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

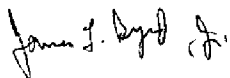
None.

Submitted by:



David R. Miller
Cartographer
February 18, 1988

Approved:



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

GEOGRAPHIC NAMES

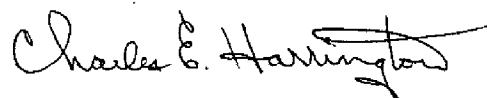
FINAL NAME SHEET

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

TP-01316

Carolus, Point
Glacier Bay
Iceburg Point
Icy Strait
Jacks Cove
Lemesurier Island
North Passage
South Inian Pass
South Passage
Willoughby Cove

Approved:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT
SHORELINE

TP-01316

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 quadrangles:

MT. FAIRWEATHER (A-1), Alaska, dated 1948, minor revisions 1970 and
MT. FAIRWEATHER (B-1), Alaska, dated 1948, minor revisions 1966;
both 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 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
17318, 2nd edition, dated January 12, 1985, scale 1:80,000

TP-01316

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
March 1988

Approved for forwarding:

Billy H. Barnes
Billy H. Barnes



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]