

TP-00077

TP-00077

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
<i>Map No.</i> TP-00077	<i>Edition No.</i> 1
<i>Job No.</i> PH-6906	
<i>Map Classification</i> CLASS III FINAL	
<i>Type of Survey</i> SHORELINE	
<h2>LOCALITY</h2>	
<i>State</i> ALASKA	
<i>General Locality</i> CONTROLLER BAY	
<i>Locality</i> CAMPBELL RIVER	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19 69 TO 19 </div>	
<h2>REGISTERED IN ARCHIVES</h2>	
<i>DATE</i>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00077	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS III FINAL	
				<input type="checkbox"/> REVISED		JOB PH. 6906	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Norfolk, VA				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE A. Y. Bryson, CDR				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation September 21, 1970				Field May 29, 1969			
Compilation November 20, 1970							
Memo April 16, 1984							
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)			
5. SCALE 1:10,000				STATE Alaska		ZONE 3	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				I. Saperstein		Feb. 1971	
METHOD: Analytical LANDMARKS AND AIDS BY				H. Eichert		Feb. 1971	
2. CONTROL AND BRIDGE POINTS PLOTTED BY				I. Saperstein		Feb. 1971	
METHOD: Coradomat CHECKED BY				H. Eichert		Feb. 1971	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				A. Shands		March 1971	
COMPILATION CHECKED BY				R. White		March 1971	
INSTRUMENT: Wild B-8				CONTOURS BY		N.A.	
SCALE: 1:10,000				CHECKED BY		N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				A. Shands		April 1971	
CHECKED BY				R. White		April 1971	
METHOD: Smooth drafted				CONTOURS BY		N.A.	
SCALE: 1:10,000				CHECKED BY		N.A.	
HYDRO SUPPORT DATA BY				A. Shands		April 1971	
CHECKED BY				R. White		April 1971	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				R. Pate		April 1971	
6. APPLICATION OF FIELD EDIT DATA BY				N.A.			
CHECKED BY				N.A.			
7. COMPILATION SECTION REVIEW CLASS III BY				F. Mauldin		Oct. 1983	
8. FINAL REVIEW CLASS III BY				L. O. Neterer, Jr.		June 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				L. O. Neterer, Jr.		SEP 1984	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				P. Hawkins		DEC 1984	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R.S. KORNSTAN		FEB 1985	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00077
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" Focal length=152.71		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Yukon MERIDIAN 135th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69 E(C) 2125 - 2129	Aug25,1969	09:45	1:30,000	5.9 ft. above MLLW	
69 E(C) 2140	Aug25,1969	09:52	1:30,000	5.9 ft. above MLLW	
				Mean Tide Range=7.7 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:

No mean lower low water line was compiled.

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-00075	TP-00078	TP-00080	TP-00076

REMARKS

TP-00077

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. B. Melby	May-June 1970
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	None None None
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 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 None		2. VERTICAL CONTROL IDENTIFIED None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details) None			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) 1 Field Inspection Report			

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00077
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 SUPERSEDED		April 1971
Compilation complete	Oct. 1983	Class III manuscript FINAL	NOV 30 1984	

II. LANDMARKS AND AIDS TO NAVIGATION

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: _____

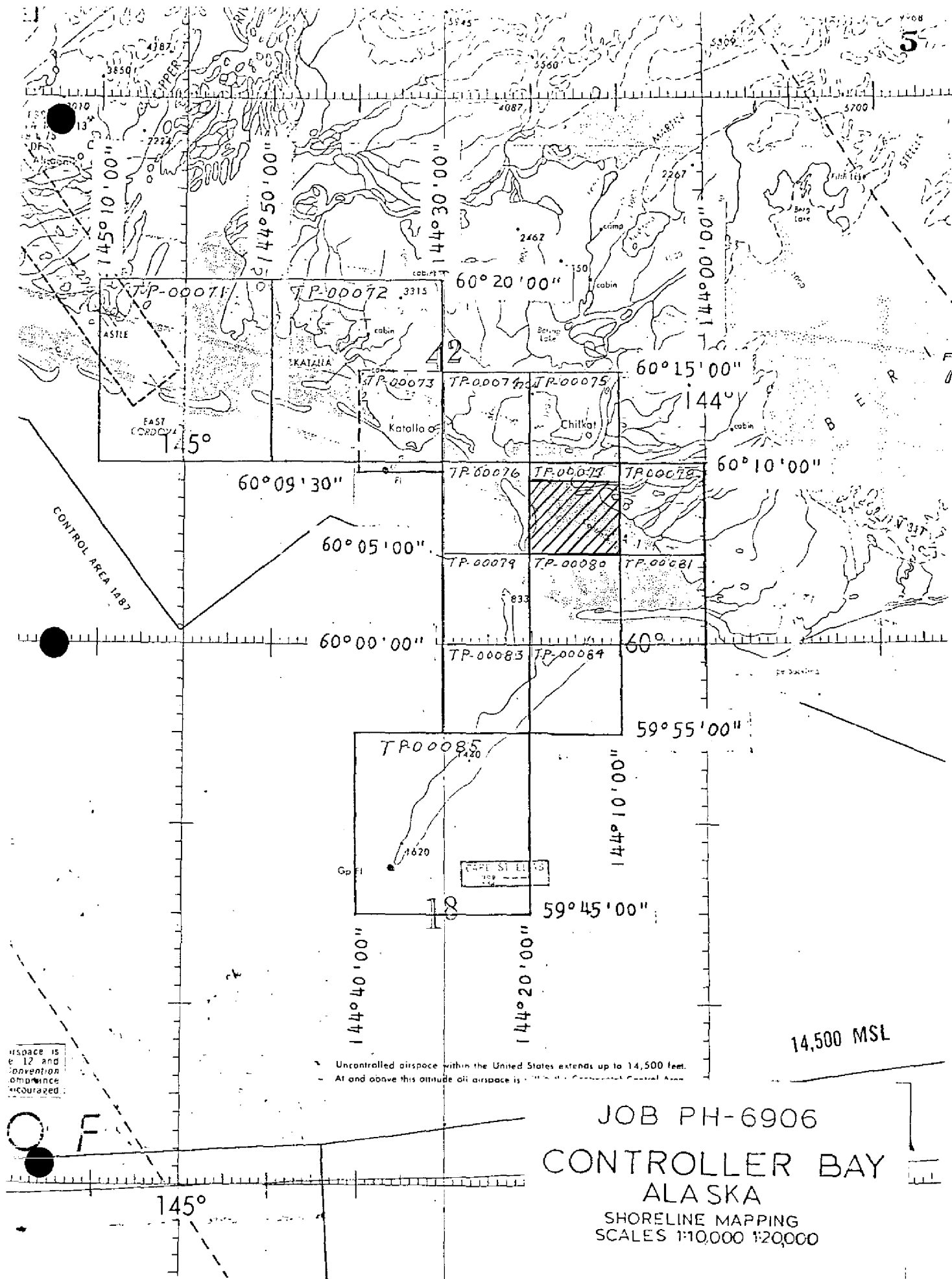
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 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	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
TP-00077

This 1:10,000 scale map is one of fourteen maps that comprise project PH-6906, Controller Bay, Alaska.

This project encompasses Controller Bay from Kayak Island, latitude 59°45'00" and the east end of Controller Bay 140°00'00" northwest to the Cooper River, latitude 60°20'00", longitude 145°~~00'~~^{10'}00".

In accordance with memo dated April 10, 1984, all maps will be registered as Class III.

Field work prior to compilation was accomplished during May thru June 1969 and May thru June 1970. It consisted of the identification of horizontal control by both photo-identification and premarking methods.

Photographic coverage was provided in August 1969 for aerotriangulation using color film with the "E" camera (focal length 152.71 millimeters) and infrared photography taken with the "K" camera (focal length 151.77 millimeters). Both sets of photography are 1:30,000 scale. The infrared photography was not used for bridging or compilation.

Black-and-white photographs taken during July 1970 using the "M" camera (focal length 88.20 millimeters) at 1:60,000 scale were used for bridging.

Analytic aerotriangulation was performed February 1971 at the Washington Science Center.

Compilation was performed at the Atlantic Marine Center in March 1971 from office interpretation of the photographs.

Final review was performed at the Atlantic Marine Center in June 1984. Without any verification, this map is required to be registered as a Final Class III map.

FIELD INSPECTION REPORT
Project PH-6906 (OPR-487)
Shoreline Mapping
Gulf of Alaska, Cape Suckling to Copper River Flats
May - June 1970
Sheets TP - 00071 through TP - 00085

Purpose: To panel horizontal control stations in advance of aerial photography.

Horizontal Control: (Geodetic)

The triangulation stations were recovered in the designated areas. Additional control was established in areas not covered by existing triangulation. Second order methods were used in determining the new monumented stations. Distances were determined by the Model MRA 3-Mk2 Tellurometer. Seven lines were measured. On two separate occasions, the tellurometers failed to measure the line between HAM and GRAVIE. Moving the instruments to an eccentric station did not resolve the problem. Apparently some type of radio interference exists between the two stations. However, the lines measured from these two stations to other points were satisfactory.

Field computations were based on the positions furnished by the Chief, Triangulation Branch, dated May 5, 1969, on the "Anchorage-Prince William Sound Area, Alaska; Free Adjustment - 1964-1965 Surveys, Supplemental Stations". The field work by the Ship FAIRWEATHER in 1969 was also based on the same adjustment. A letter dated May 20, 1970, from Chief, Triangulation Branch to Director, Pacific Marine Center, indicates a final adjustment has been completed. The computations and adjustments of the 1969 and 1970 field seasons work, based on stations CASTLE, 1965; FOX, 1903; HAM, 1959; and BRUCE 2, 1965, could be finalized. This would combine all of the paneled stations on the same interrelated adjustment.

Horizontal Control (Photogrammetry):

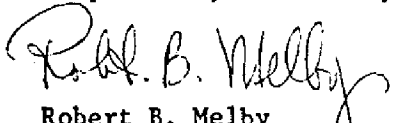
All the stations were paneled with the white, polyethylene plastic material at the prescribed dimensions.

In the 1:60,000 scale flight line, Station KWIN 1970 was photo-paneled in addition to the five required stations. This station is at the Southeast end of Controller Bay. Two of the 1:10,000 scale panels on Wingham Island are along the east shore of the storm high water line (driftwood and debris) and the base of the brushy bluffs.

Station TIPS, 1969 was photo-identified. The 1969 center panel was still in place, although the rays were torn and grown over with grass. All panels for the 1970 season photography were in place by 10 June 1970. Form 152, "Control Station Identification", was submitted for each station paneled.

A helicopter was used to furnish transportation of personnel and equipment. This mode of transportation provided ready access to the remote areas and permitted the advantage of utilizing the favorable conditions of the ever-changing weather patterns.

Respectfully submitted,



Robert B. Melby
Surveying Technician USC&GS
Pacific Marine Center

Photogrammetric Plot Report
Job PH-6906
Controller Bay, Alaska

February 11, 1971

21. Area Covered

The area of the project covers Controller Bay, Copper River Flats and Kayak Island, Alaska, and consists of eleven (11) 1:10,000 scale sheets TP-00073 thru TP-00081, TP-00083, TP-00084, and three (3) 1:20,000 scale sheets TP-00071, TP-00072 and TP-00085. It will be noted that photographs covering TP-00082 were not bridged due to the fact that station BRUCE 2, 1965 was outside the limits of photography, and could not be used for a terminal for Strip 1.

22. Method

Strips 1, 2, 3, 5, 6, 7, 8, 9, and 14 were bridged by analytic aerotriangulation methods. Compilation points were located for strips 4, 10, 11, 12, and 13 from the applicable bridged strips, so that the models can be set on the B-8.

Compilation points were not located on photos 69-E(C)-2141 and 2142 on strip 11. It was impossible to find common points between the 1:60,000 scale pan. and 1:30,000 scale color photography in the water and shoal area of the above model. When the adjoining models are set on the B-8, it may be possible for the compiler to drop points on the above photos to control this one model.

Photographs covering the Bering River in the eastern part of TP-00075 was not bridged due to lack of control.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustments.

The following is a listing of closures to control in feet:

	x	y
S. P. KWIN, 1970	-2.4	-3.5
S. P. KANAK, 1969	+6.6	+7.3
PALM, 1969	-2.0	+0.3
COTTONWOOD, 1969	-4.0	-10.2
		(+0.5 -1.8 Strip 14)
CASTLE, 1965	+2.5	+7.0
ELI, 1969	+0.8	-0.7
GRAVIE, 1969	-1.7	+1.7
PYRA, 1969	+1.3	-1.6
S.P. TIPS, 1969	0.0	-0.5
ROCKER, 1969	+1.3	-1.2
WING, 1903	+0.2	+0.1
S. P. HAM, 1959	-0.3	-0.3
S. P. HARRIS, 1970	+0.2	+0.2
S. P. FITZ, 1970	-0.1	-0.1
S. P. INGA, 1969	0.0	0.0

Bridging points on Alaska Zone 3 plane coordinate system have been plotted by Coradimat.

23. Adequacy of Control

The number of horizontal control stations in Controller Bay and Copper River Flats was minimal. Strips 1, 5, and 7 were bridged using triangulation stations only as horizontal control in the adjustments. The other bridged strips were adjusted using triangulation stations and tie points as control. Two strips (8 and 9) were bridged using the tie points only.

At the time we were ready to adjust our photogrammetric strips in the northern part of the project, we discovered that a readjustment of control in the project area was pending in the Division of Geodesy as a result of geodetic work performed subsequent to the Alaskan earthquake of 1964. At our request, they performed the adjustment so we could make our delivery deadline for compilation. A partial list was received by us and used. The shift in datum was about 30 feet.

We were also informed by Geodesy that a shift of about the same magnitude would apply to the area in the southern part of the project which had already been bridged and compiled. This, of course, required a photogrammetric readjustment of the bridging in that area.

When this work was completed, we were furnished with a complete list of readjusted positions covering the project area. It was then discovered that there were some discrepancies in position between this list and the partial list previously submitted. The largest discrepancies were in positions for stations COTTONWOOD, 1965 and KWIN, 1970. Geodesy has stated that the position for COTTONWOOD is weak, there being a poor triangle closure.

No further photogrammetric adjustment was made to the strips already bridged, notably strip 1, in order to meet deadlines. Points taken from strip 1 will necessarily be slightly out of position also. The differences of position between the Preliminary Office Computations (partial list) and the final positions for station COTTONWOOD are x-4.8 ft., y+2.2 ft. and KWIN x+2.4 ft., y+0.2 ft.

It is believed, however, the maps will meet the standards of map accuracy.

24. Supplemental Data

Vertical control needed for the adjustment was taken from U.S.G.S. Quadrangles.

25. Photography

The definition and quality of the RC-9 "M" and RC-8 "E" photography was poor and good respectively. Coverage was adequate to compile all sheets except those mentioned under Item 21 and 22.

The following is a listing of photographs for each strip:

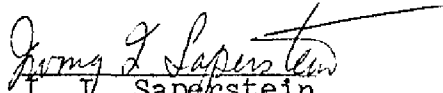
Strip 1 -- 70-M-301 thru 315
Strip 2 -- 70-M-289 thru 294
Strip 3 -- 70-M-233 thru 238
Strip 4 -- 70-E(C)-7030 thru 7039
Strip 5 -- 69-E(C)-1396 thru 1411
Strip 6 -- 69-E(C)-1378 thru 1393
Strip 7 -- 70-E(C)-7161 thru 7169
Strip 8 -- 69-E(C)-2113 thru 2119
Strip 9 -- 69-E(C)-2152 thru 2161
Strip 10 -- 69-E(C)-2123 thru 2131
Strip 11 -- 69-E(C)-2134 thru 2144

Strip 12 -- 69-E(C)-2182 thru 2185
Strip 13 -- 69-E(C)-2178 thru 2179
Strip 14 -- 69-E(C)-2167 thru 2174


Strips 1, 2, and 3 -- 1:60,000 scale photographs
Strips 4, 5, 6, and 8 thru 14 -- 1:30,000 scale photographs
Strip 7 -- 1:10,000 scale photographs

Ratio prints have been ordered to facilitate compilation,
and for photo-hydro support.

Respectfully submitted,


I. V. Saperstein

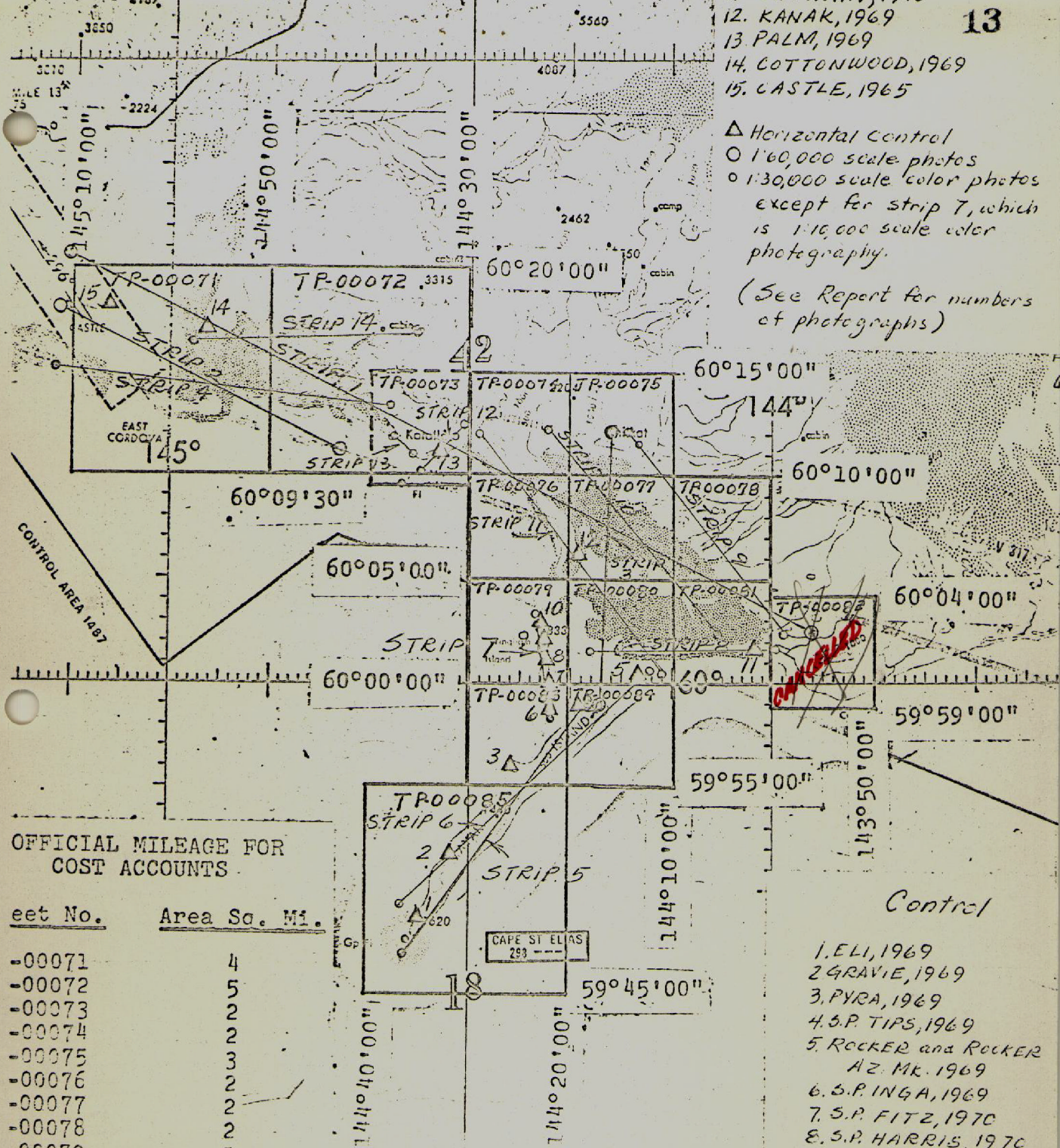
Approved and forwarded,


Henry P. Eichert
Chief, Aerotriangulation Section

Δ Horizontal Control

- 1:60,000 scale photos
- 1:30,000 scale color photos except for strip 7, which is 1:10,000 scale color photography.

(See Report for numbers
of photographs)



Control

1. ELI, 1969
2. GRAVIE, 1969
3. PYRA, 1969
4. S.P. TIPS, 1969
5. ROCKER and ROCKER
AZ. MK. 1969
6. S.P. INGA, 1969
7. S.P. FITZ, 1970
8. S.P. HARRIS, 1970
9. S.P. HAM, 1959
10. WING, 1963

Uncontrolled airspace within the United States extends up to 14,500 feet.

AEROTRIANGULATION SKETCH JOB PH-6906

CONTROLLER BAY
ALASKA

SHORELINE MAPPING
SCALES 1:10,000 1:20,000

<u>Sheet No.</u>	<u>Area Sq. Mi.</u>
-00071	4
-00072	5
-00073	2
-00074	2
-00075	3
-00076	2
-00077	2
-00078	2
-00079	2
-00080	2
-00081	2
-00082	2
-00083	2
-00084	2
-00085	5
TOTAL	42

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		GEOGRAPHIC POSITION		REMARKS	
					COORDINATES IN FEET STATE _____ ZONE _____	N.A. 1927	ϕ LATITUDE λ LONGITUDE			
TP-00077	PH-6906	NONE			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										DATE
LISTED BY										DATE
HAND PLOTTING BY										DATE

COMPILATION REPORT
TP-00077

31 - DELINEATION

The Wild B-8 stereoplotting instrument was used. The coverage and quality of the photography were adequate. There was a field inspection prior to compilation.

32 - CONTROL

Horizontal control was adequate. See Photogrammetric Plot Report dated February 11, 1971.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable. Drainage was delineated from office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The shoreline and all alongshore area details were delineated from office interpretation of the photographs.

36 - OFFSHORE DETAILS

None.

37 - LANDMARKS AND AIDS

None.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

See NOAA Form 76-36B, items Number 5.

40 - HORIZONTAL AND VERTICAL CONTROL

See Item Number 32.

TP-00077

46 - COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Quadrangle Cordova (A-1), Alaska, scale 1:63,360, dated 1953.

47 - COMPARISON WITH NAUTICAL CHARTS

Comparison with Chart 8513, scale 1:100,000, 9th edition, dated August 9, 1969 (corr. thru N.M. 32169) indicates vast changes have occurred in the boundary of the shoreline and alongshore area.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

James L. Shands

A. L. Shands
Cartographer
April 7, 1970

Approved,

James L. Byrd, Jr.

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

REVIEW REPORT
SHORELINE
TP-00077

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 USGS Quadrangle Cordova (A-1), Alaska, dated 1953, scale 1:63,360.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

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

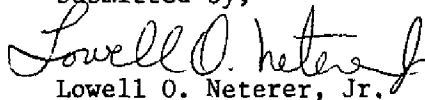
65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Chart 16723, dated December 27, 1980, 13th edition, scale 1:100,000.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

The horizontal control meets the accuracy requirements insuring this map complies with project instructions, and meets the prerequisites for National Standards of Map Accuracy.

Submitted by,


Lowell O. Neterer, Jr.
Final Reviewer

Approved for forwarding,

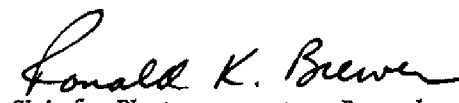


Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,



Chief, Photogrammetric Section, Rockville


Ronald K. Brewer
Chief, Photogrammetry Branch
Rockville

March 22, 1984

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH - 6906 (Controller Bay, Alaska)
TP - 00077

Campbell River

Controller Bay

Approved by;

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<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	OFFICE ACTIVITY REPRESENTATIVE
ACTIVITIES	<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 P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 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-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

Replaces C&GS Form 567.

NONFLOATING AIDS OFFERING MARKETS 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
- (See reverse for responsible personnel)

<input checked="checked" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED	REPORTING UNIT <i>(Field Party, Ship or Office)</i> Coastal Mapping Unit, AMC, Norfolk, VA	STATE Alaska	LOCALITY Controller Bay	DATE June 1983
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[illegible]

DATUM

JOB NUMBER	SURVEY NUMBER

N. A. 1927

TP-00077

PH-6906

487

METHOD AND DATE OF LOCATION
(See instructions on reverse side)

POSITION

LATITUDE		LONGITUDE	
° /	''	° /	''
D.M. Meters		D.P. Meters	

Record	Reason for deletion or aid to navigation.	DESCRIPTION
	Show triangulation station names, where applicable, in parentheses)	

**CHARTS
AFFECTED**

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<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	OFFICE ACTIVITY REPRESENTATIVE
ACTIVITIES	<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 P - Photogrammetric L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	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-Vis.' and date. EXAMPLE: V-Vis. 8-12-75
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

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 Re-

[illegible]