

TP-00071

TP-00071

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-00071

Edition No.

1

Job No.

PH-6906

Map Classification

CLASS III FINAL

Type of Survey

SHORELINE

## LOCALITY

State

ALASKA

General Locality

CONTROLLER BAY

Locality

COTTONWOOD POINT

19 69 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>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center Norfolk, VA		SURVEY TP. <u>00071</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III Final</u> JOB <u>PH-6906</u>	
OFFICER-IN-CHARGE A. Y. Bryson		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB <u>PH-</u> MAP CLASS <u></u> SURVEY DATES: 19 <u></u> TO 19 <u></u>	
<b>I. INSTRUCTIONS DATED</b>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
Aerotriangulation      September 21, 1970 Compilation              November 20, 1970 Memo                      April 10, 1984		Field                      May 29, 1969	
<b>II. DATUMS</b>			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Polyconic		4. GRID(S) STATE      Alaska      ZONE      3	
5. SCALE 1:20,000		STATE      ZONE	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
<b>OPERATIONS</b>		<b>NAME</b>	
1. AEROTRIANGULATION BY METHOD:      Analytic      LANDMARKS AND AIDS BY		I Saperstein      Feb 1971 H Eichert      Feb 1971	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD:      Coradomat      CHECKED BY		I Saperstein      Feb 1971 H Eichert      Feb 1971	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION      CHECKED BY INSTRUMENT:      Wild B8      CONTOURS BY SCALE:      1:20,000      CHECKED BY		R White      April 1974 A Shands      April 1974 N/A      -- N/A      --	
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD:      Smooth drafted      CHECKED BY SCALE:      1:20,000      HYDRO SUPPORT DATA BY CHECKED BY		R White      April 1974 A Shands      April 1974 N/A      -- N/A      -- R White      April 1974 A Shands      April 1974	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		A Shands      April 1974	
6. APPLICATION OF FIELD EDIT DATA BY		N/A      -- N/A      --	
7. COMPILATION SECTION REVIEW Class III BY		F Mauldin      Feb 1984	
8. FINAL REVIEW Class III BY		L. O. Neterer Jr      July 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. KORNSPAN      FEB 1985	

TP-00071

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8-E-focal length=152.71 RC-9-M-focal length=88.20		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Yukon	
				MERIDIAN	
				135th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
69 E (c) 2172-2174	Aug 25, 1969	10:30	1:30,000	7.2 ft above MLLW	
70 M (c) 7030-7035	Jul 20, 1970	8:58	1:30,000	2.7 ft below MLLW	
70 M (p) 234-238	Jul 20, 1970	8:40	1:60,000	2.9 ft below MLLW	
70 M (p) 312-314	Jul 26, 1970	11:21	1:60,000	3.7 ft above MLLW	

REMARKS

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

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

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

There was no mean lower low water line compiled.

## 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
NO survey	TP-00072	No survey	No survey

REMARKS

TP-00071

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R Melby	May-June '70
2. HORIZONTAL CONTROL	RECOVERED BY R Melby	May-June '70
	ESTABLISHED BY NONE	--
	PRE-MARKED OR IDENTIFIED BY R Melby	May-June '70
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 BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input 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

2. VERTICAL CONTROL IDENTIFIED

NONE

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70M-312	Cottonwood, 1969		
70M-314	Castle, 1965		

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)

2 Form 152  
1 Field Inspection Report

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	April 1974	Class III Manuscript Superseded		
Final Review Class III	July 1984	Final Class III map No field edit performed	NOV 30 1984	

## 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: \_\_\_\_\_

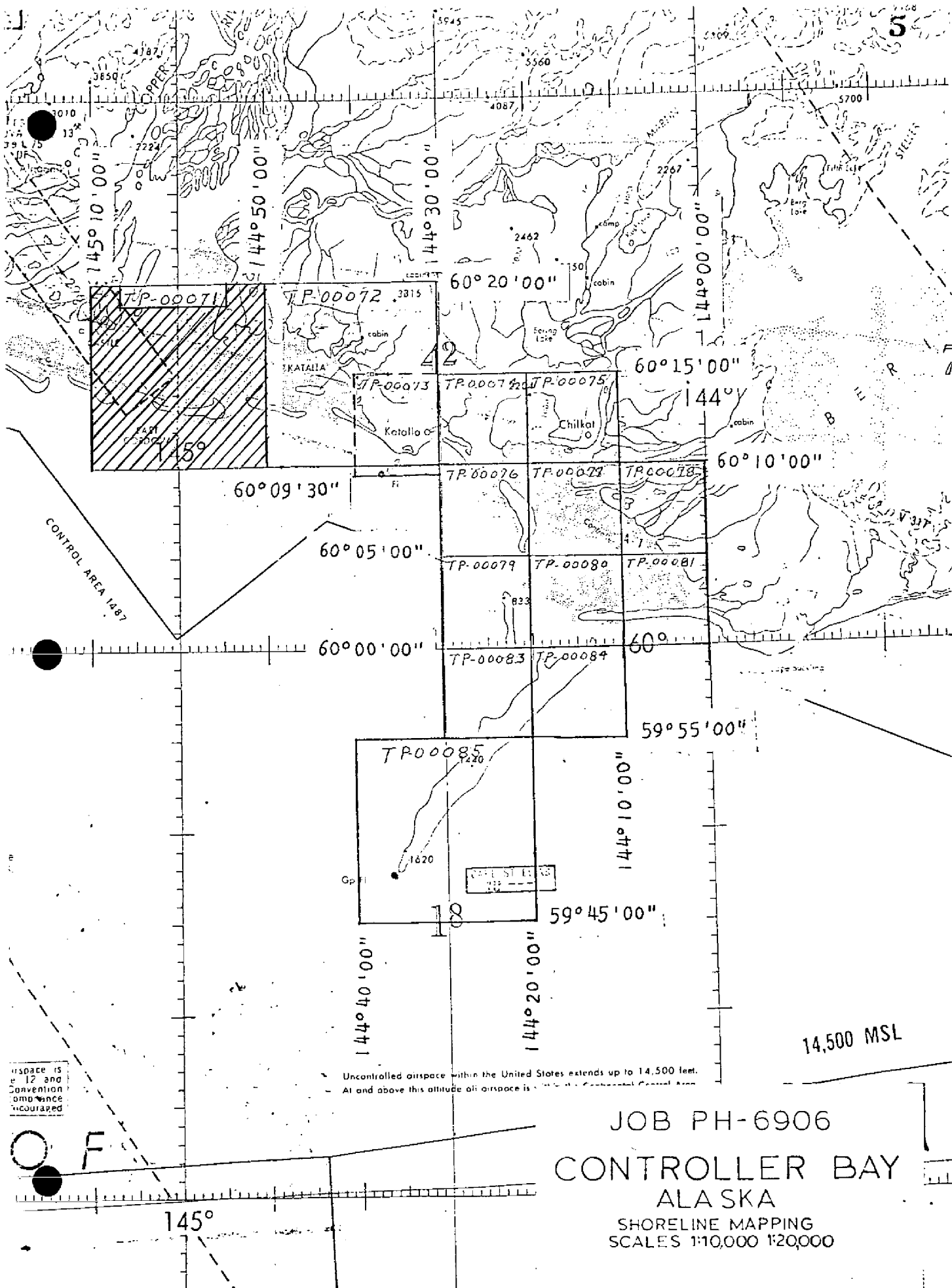
## III. FEDERAL RECORDS CENTER DATA

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	



airspace is  
12 and  
Convention  
ompliance  
encouraged

Uncontrolled airspace within the United States extends up to 14,500 feet.  
At and above this altitude all airspace is under the Federal Control Area

JOB PH-6906  
CONTROLLER BAY  
ALASKA  
SHORELINE MAPPING  
SCALES 1:10,000 1:20,000

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00071

This 1:20,000 scale map is one of fourteen maps that comprises project PH-6906, Controller Bay, Alaska.

The project encompasses Controller Bay from Kayak Island, latitude  $59^{\circ}41'00''$  and the east end of Controller Bay, longitude  $144^{\circ}00'00''$  northwest to the Copper River, latitude  $60^{\circ}20'00''$ , longitude  $145^{\circ}00'00''$ .

In accordance with the 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 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 April 1974 from office interpretation of the color photographs.

Final review was performed at the Atlantic Marine Center in July 1984. Without any field 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.

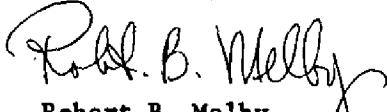


(2)

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
PAIM, 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,

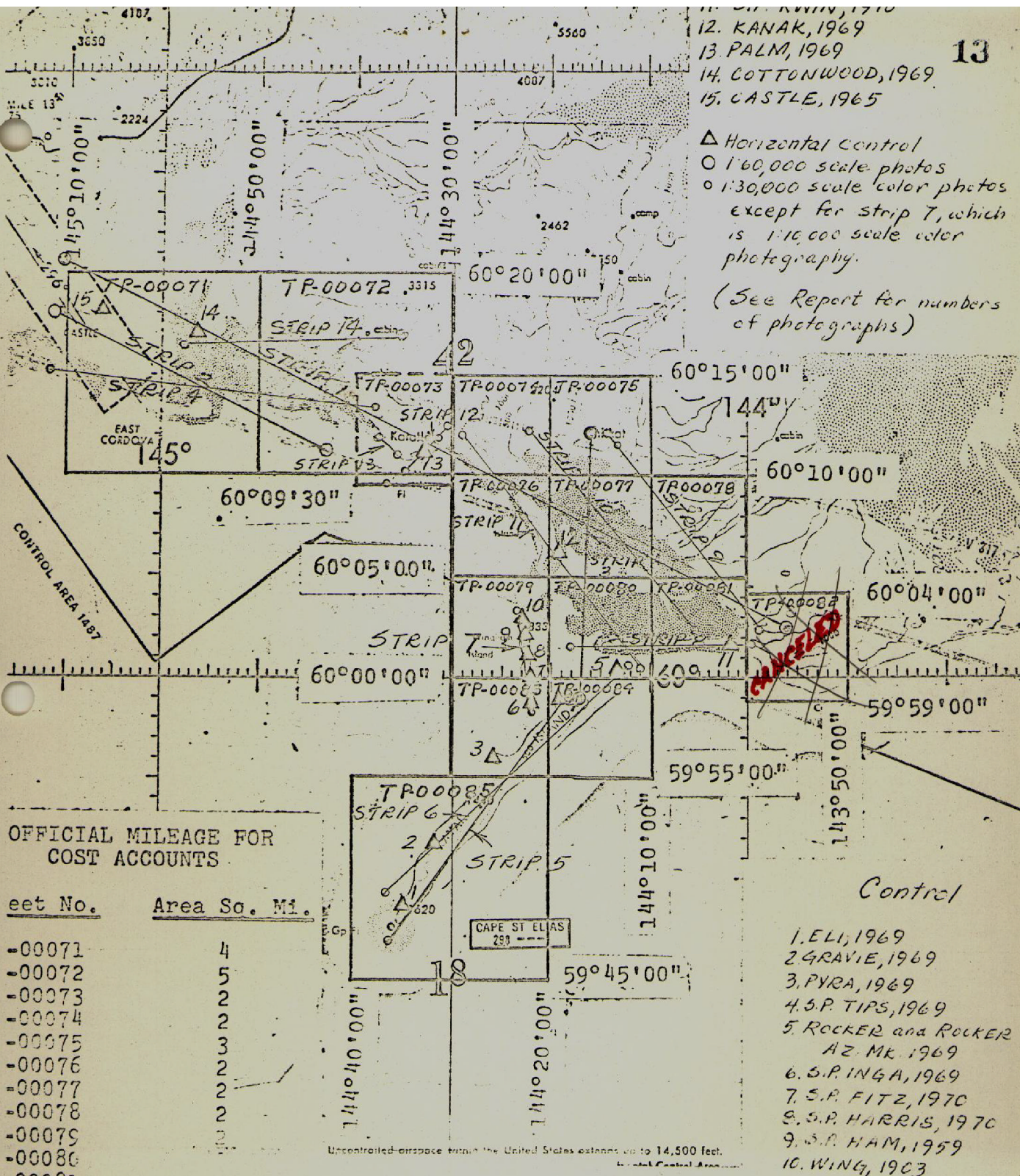
  
Henry P. Richert  
Chief, Aerotriangulation Section



12. KANAK, 1969
13. PALM, 1969
14. COTTONWOOD, 1969
15. CASTLE, 1965

△ 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)



# OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Area Sq. Mi.
-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	2
<b>TOTAL</b>	<b>42</b>

AEROTRIANGULATION SKETCH JOB PH-6906

CONTROLLER BAY  
ALASKA

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

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. RINGA, 1969
7. S.P. FITZ, 1970
8. S.P. HARRIS, 1970
9. S.P. HAM, 1959
10. WING, 1903





## COMPILATION REPORT

TP-00071

31 - DELINEATION

Delineation was by the Wild B-8 stereoplotting instrument and office interpretation of the photographs.

Photo coverage was adequate except for a small area in the southwest corner of the sheet where the mud limit could not be continued to the limits of the sheet. This area will have to be developed by the hydrographer.

32 - CONTROL

The horizontal control was adequate. See the attached Photogrammetric Plot Report dated February 11, 1971.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

Shoreline and alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

36 - OFFSHORE DETAILS

Offshore details were compiled from office interpretation of the photographs.

37 - LANDMARKS AND AIDS

None.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

See the attached NOAA Form 76-36b, item #5 of the Descriptive Report concerning junctions.



TP-00071

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey  
Quadrangles: Cordova (B-3), Alaska, dated 1953; and Cordova (B-4), Alaska,  
dated 1951. Both scaled 1:63,360.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following NOS Chart: 8513, scale  
1:100,000, 9th edition, dated August 9, 1969.


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

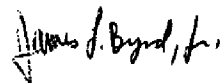
None.

Submitted by,



Richard R. White  
Cartographic Technician  
April 18, 1974

Approved,



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

REVIEW REPORT  
SHORELINE  
TP-00071

61. GENERAL STATEMENT

See the Summary included with this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. Quadrangles: Cordova (B-4), Alaska, dated 1951; and Cordova (B-3), Alaska, dated 1953. Both are scaled 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 the map complies with Project Instructions and meets the prerequisite for National Standards of Map Accuracy.

Submitted by,

*Lowell O. Neterer, Jr.*  
Lowell O. Neterer, Jr.  
Final Reviewer

Approved for forwarding,

*Billy H. Barnes*  
Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved,

*A. F. Lewis* for  
Chief, Photogrammetric Section, Rockville

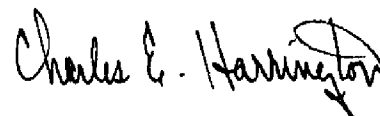
*Ronald K. Brewer*  
Chief, Photogrammetry Branch  
Rockville

March 22, 1984

GEOGRAPHIC NAMES  
FINAL NAME SHEET  
PH - 6906 (Controller Bay, Alaska)  
TP - 00071

Copper River  
Cottonwood Point  
Gulf of Alaska  
Kokinhenik Bar  
Kokinhenik Branch  
Kokinhenik Island  
Storey Island  
Storey Slough  
Strawberry Reef

Approved by;



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

NOAA FORM 76-40  
(8-74)

Replaces C&GS Form 567.

# NONFLOATING AIDS ~~OR LANDMARKS~~ 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)

DATE  
June 1982

LOCALITY  
Controller Bay

STATE  
Alaska

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

AMC Norfolk, VA

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

DATUM

SURVEY NUMBER

JOB NUMBER

NA 1927

PH-6906

TP-00071

OPR PROJECT NO.

487

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

FIELD

OFFICE

POSITION

LATITUDE

LONGITUDE

DESCRIPTION  
(Record reason for deletion of landmark or aid to navigation.  
Show triangulation station names, where applicable, in parentheses)

NONE

CHARTING NAME

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.)	
<b>OFFICE</b> <b>1. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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	<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require</b> 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
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> 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	<b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
<b>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b>	

[illegible]

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.)	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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	<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require</b> 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
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> 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	<b>II. TRIANGULATION STATION RECOVERED</b> 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 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*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]