

TP-00079

TP-00079

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

| | |
|--|-------------------------|
| <i>Map No.</i> TP-00079 | <i>Edition No.</i> 1 |
| <i>Job No.</i> PH-6906 | |
| <i>Map Classification</i> CLASS III FINAL | |
| <i>Type of Survey</i> SHORELINE | |
| LOCALITY | |
| <i>State</i> ALASKA | |
| <i>General Locality</i> CONTROLLER BAY | |
| <i>Locality</i> WINGHAM ISLAND | |
| 19 69 TO 19 | |
| REGISTERED IN ARCHIVES | |
| DATE | |

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| NOAA FORM 76-36A (3-72) | | U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. | | TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | | SURVEY TP. 00079 MAP EDITION NO. (1) MAP CLASS III FINAL JOB PH. 6906 | |
| DESCRIPTIVE REPORT - DATA RECORD | | | | | | | |
| PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit, Atlantic Marine Center, Center, Norfolk, VA | | | | LAST PRECEDING MAP EDITION | | | |
| OFFICER-IN-CHARGE A. Y. Bryson, CDR | | | | TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | | JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ | |
| I. INSTRUCTIONS DATED | | | | | | | |
| 1. OFFICE | | | | 2. FIELD | | | |
| Aerotriangulation September 21, 1970 | | | | Field May 29, 1969 | | | |
| Compilation November 20, 1970 | | | | | | | |
| Memo April 10, 1981 | | | | | | | |
| 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) STATE Alaska ZONE 3 | | | |
| 5. SCALE 1:10,000 | | | | STATE ZONE | | | |
| III. HISTORY OF OFFICE OPERATIONS | | | | | | | |
| OPERATIONS | | | | NAME | | DATE | |
| 1. AEROTRIANGULATION BY | | | | I. Saperstein | | Nov. 1970 | |
| METHOD: Analytical LANDMARKS AND AIDS BY | | | | H. Eichert | | Nov. 1970 | |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY | | | | I. Saperstein | | Nov. 1970 | |
| METHOD: Coradomat CHECKED BY | | | | H. Eichert | | Nov. 1970 | |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY | | | | E. Pursel | | Nov. 1970 | |
| COMPILATION CHECKED BY | | | | R. Pate | | Nov. 1970 | |
| INSTRUMENT: Wild B-8 | | | | CONTOURS BY | | N.A. | |
| SCALE: 1:10,000 | | | | CHECKED BY | | N.A. | |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY | | | | E. Pursel | | Dec. 1970 | |
| CHECKED BY | | | | R. Pate | | Dec. 1970 | |
| METHOD: Smooth drafted | | | | CONTOURS BY | | N.A. | |
| CHECKED BY | | | | N.A. | | | |
| SCALE: 1:10,000 HYDRO SUPPORT DATA BY | | | | E. Pursel | | Dec. 1970 | |
| CHECKED BY | | | | R. Pate | | Dec. 1970 | |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY | | | | R. Pate | | Dec. 1970 | |
| 6. APPLICATION OF FIELD EDIT DATA BY | | | | N.A. | | | |
| CHECKED BY | | | | N.A. | | | |
| 7. COMPILATION SECTION REVIEW CLASS III BY | | | | F. Mauldin | | Nov. 1983 | |
| 8. FINAL REVIEW CLASS III FINAL BY | | | | L. O. Neterer, Jr. | | May 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 | |

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00079
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|--|-------------|---|----------|---|--|
| CAMERA(S) Wild RC-8 "E" Focal length=152.71mm | | TYPES OF PHOTOGRAPHY LEGEND | | TIME REFERENCE | |
| TIDE STAGE REFERENCE | | (C) COLOR (P) PANCHROMATIC (I) INFRARED | | ZONE | |
| <input checked="" type="checkbox"/> PREDICTED TIDES | | | | Yukon | |
| <input type="checkbox"/> REFERENCE STATION RECORDS | | | | MERIDIAN | |
| <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | | | 135th | |
| | | | | <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT | |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| 69 E(C) 2107 - 2110 | Aug25,1969 | 09:14 | 1:20,000 | 4.8 ft. above MLLW | |
| 70 E(C) 7161 - 7167 | July25,1970 | 09:56 | 1:10,000 | 3.2 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-00076 | TP-00080 | TP-00083 | No Survey |

REMARKS

TP-00079

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 L. L. Riggers | May-June 1970 |
| | ESTABLISHED BY R. B. Melby | May-June 1970 |
| | PRE-MARKED OR IDENTIFIED BY L. L. Riggers | May-June 1970 |
| 3. VERTICAL CONTROL | RECOVERED BY None | |
| | ESTABLISHED BY None | |
| | PRE-MARKED OR IDENTIFIED BY None | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY None | |
| | LOCATED (Field Methods) BY None | |
| | IDENTIFIED BY None | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY None | |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY None | |

II. SOURCE DATA

| 1. HORIZONTAL CONTROL IDENTIFIED | | 2. VERTICAL CONTROL IDENTIFIED | |
|----------------------------------|--------------|--------------------------------|---------------------|
| Paneled | | None | |
| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
| 70 E(C) 7163 | HAM, 1959 | | |
| 70 E(C) 7165 | HARRIS, 1970 | | |
| 70 E(C) 7161 | WING, 1903 | | |
| 70 E(C) 7167 | FITZ, 1970 | | |

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 152

1 Field Report

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
TP-00079
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|------------------------|-----------|--|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Compilation complete | Dec. 1970 | Class III manuscript SUPERSEDED | | Feb. 1971 |
| Final Review Class III | May 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: _____

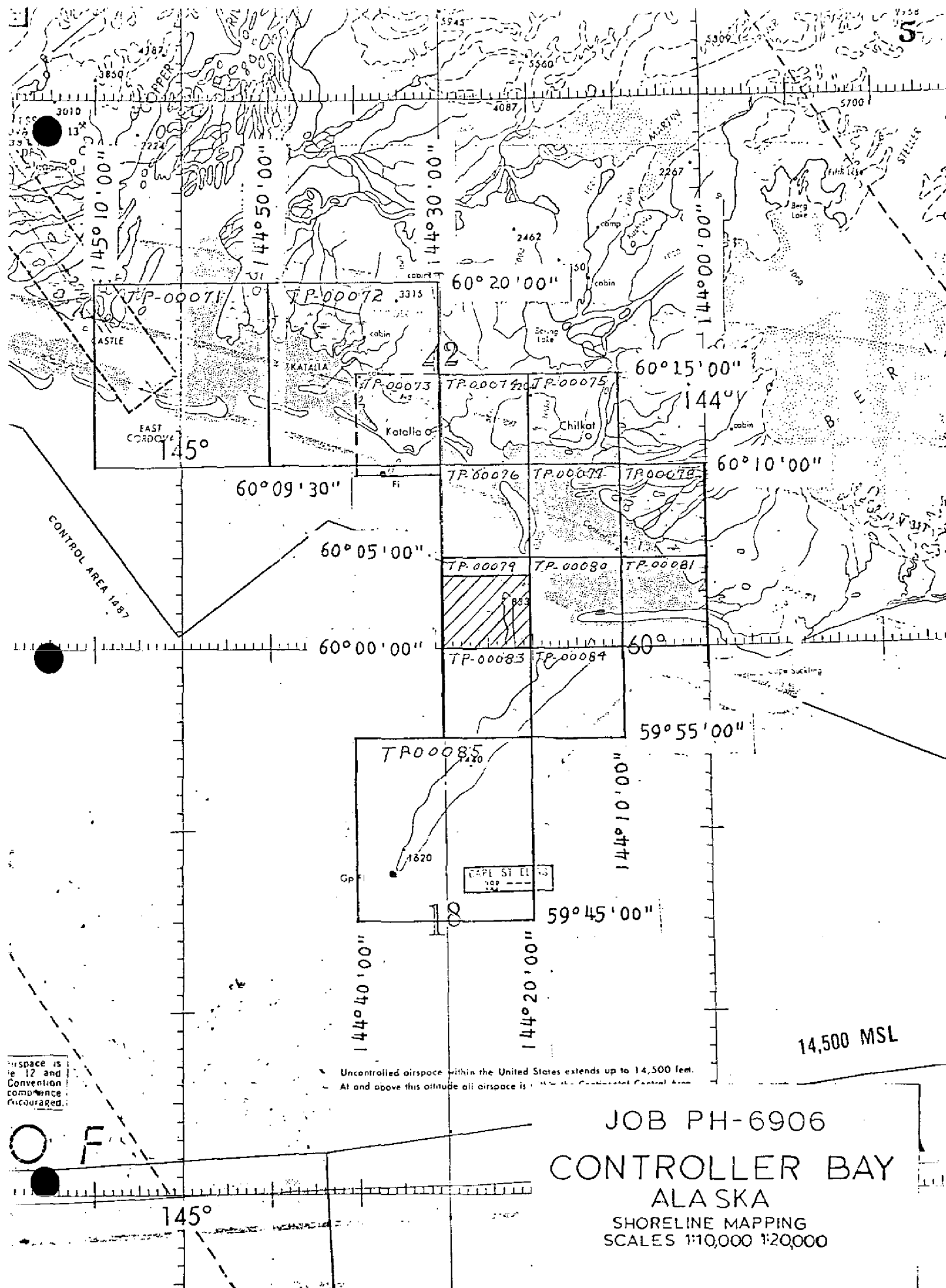
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 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-00079

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

The project encompasses Controller Bay from Kayak Island, latitude 59°45'00" and the east end of Controller Bay, longitude 144°00'00" northwest to the Cooper River, latitude 60°20'00", longitude 145°~~00~~¹⁰'00".

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 to meet aerotriangulation requirements.

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 1:20,000 scale. The infrared photography was not used for bridging or compilation.

Color photographs taken in July 1970 with the "E" camera are 1:10,000 scale. 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.

Preliminary analytic aerotriangulation was completed in November 1970 and the final analytic aerotriangulation was performed in February 1971 at the Washington Science Center.

Compilation was performed at the Atlantic Marine Center in December 1970 from office interpretation of the photographs.

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

7

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):

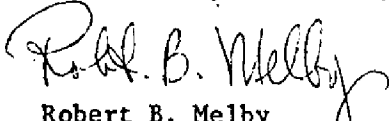
All the stations were paneled with the white, polyethylene plastic material at the prescribed dimensions.

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

Preliminary Photogrammetric Plot Report
Job PH-6906
Controller Bay, Alaska

November 4, 1970

This report covers three (3) 1:10,000 scale sheets, TP-00079, TP-00083, TP-00084 and one (1) 1:20,000 scale sheet TP-00085.

Three strips of color photographs were bridged by analytic methods (see Aerotriangulation Sketch) as follows:

1. Strip 5 1:20,000 scale 69-E(C)-1396 thru 1411
2. Strip 6 1:20,000 scale 69-E(C)-1378 thru 1392
3. Strip 7 1:10,000 scale 70-E(C)-7161 thru 7169

See sketch for control used in the bridge adjustment. Numerous tie points were used to control Strip 6. The closure to control can be found on the readout for each strip.

Ratios have been ordered for each strip bridged plus the offshore photography (see offshore photography sketch).

The southwest tip of Wingham Island (TP-00083) is not covered by the bridging photography. The compiler should drop points from model 70-E(C)-7167/7168 to ratio photo 69-E(C)-2110 in order to compile graphically this tip of the island. It will be noted that one photograph 69-E(C)-1396 on Strip 5 was cantilevered because it was beyond control. However, it is believed to be within mapping standard accuracy.

Definition and quality of the color photography is good.

Projection, grid and bridging points have been plotted by the Coradi.

This report will be superseded when the job is completed and a new photogrammetric plot report written.

Respectfully submitted,

I. I. Saperstein
I. I. Saperstein

Approved and forwarded,

Henry P. Eichert
Henry P. Eichert FOR
Chief, Aerotriangulation
Section

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:

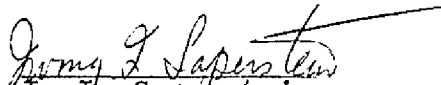
Strip 1 -- 70-M-301 thru 315
Strip 2 -- 70-M-289 thru 294
Strip 3 -- 70-M-233 thru 238
Strip 4 -- 70-E(C)-7030 thru 7039
Strip 5 -- 69-E(C)-1396 thru 1411
Strip 6 -- 69-E(C)-1378 thru 1393
Strip 7 -- 70-E(C)-7161 thru 7169
Strip 8 -- 69-E(C)-2113 thru 2119
Strip 9 -- 69-E(C)-2152 thru 2161
Strip 10 --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

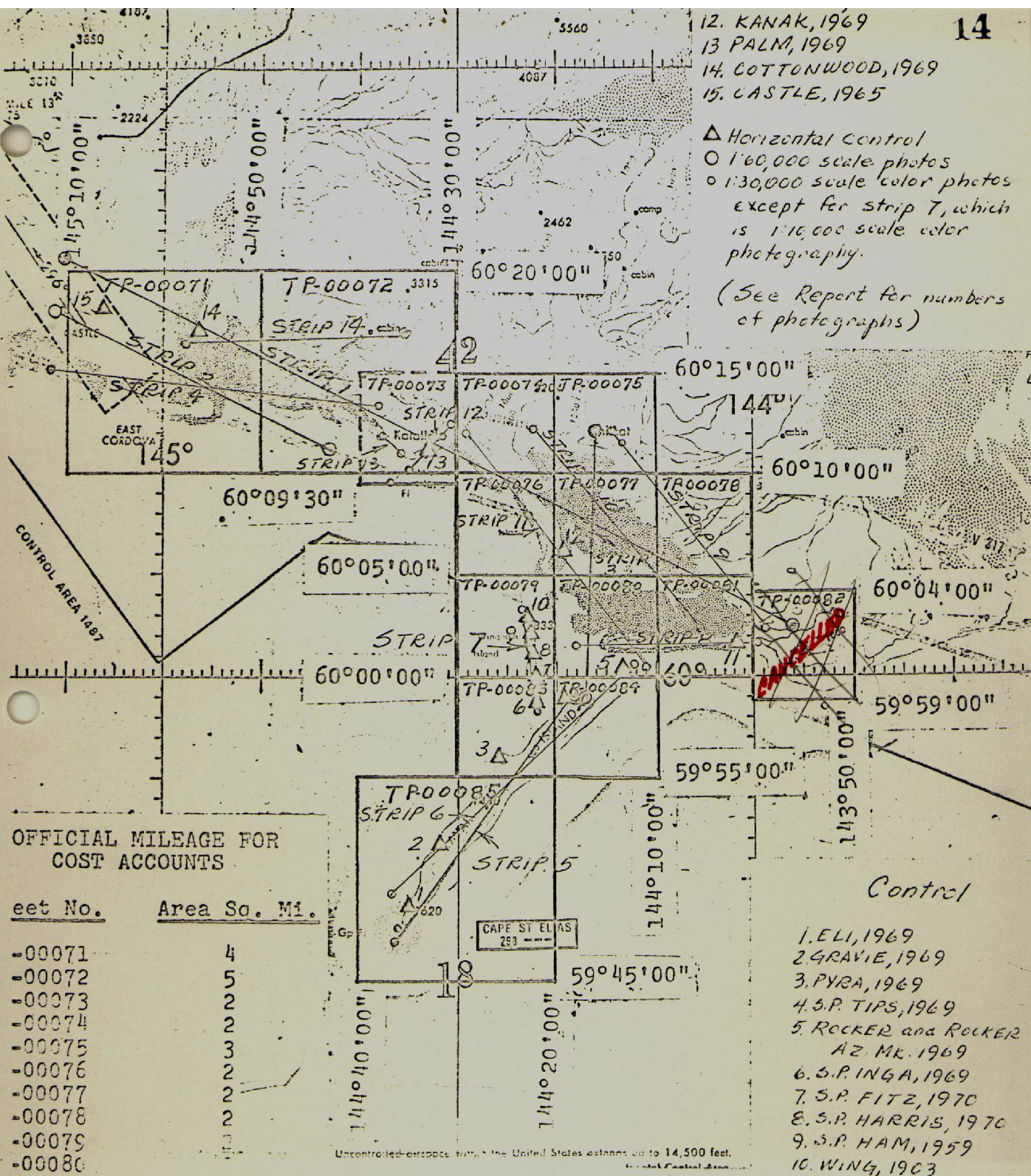

I. N. Saperstein

Approved and forwarded,


Henry P. Eichert
Chief, Aerotriangulation Section

- △ 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

TOTAL.

DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO. TP-00079 | JOB NO. PH-6906 | GEODETTIC DATUM N.A. 1927 | | ORIGINATING ACTIVITY Coastal Mapping Unit, Atlantic Marine Ctr., Norfolk, VA | | | | |
|--------------------------|--------------------|------------------------------|-------------------------------------|--|--|---|-----------------------|-----------------|
| | | STATION NAME | SOURCE OF INFORMATION (Index) | AEROTRI- ANGULATION POINT NUMBER | COORDINATES IN FEET STATE Alaska ZONE Controller Bay | GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE | REMARKS FRONT BACK | |
| WING, 1903 | G.P. G 145.11 | | | | X= | ϕ 60°03'09.33156" | 288.80 | 1568.12 |
| | | | | | Y= | λ 144°23'03.40371" | 52.68 | 875.92 |
| HAM, 1959 | G.P. G 145.11 | | | | X= | ϕ 60°02'38.38562" | 1188.00 | 668.92 |
| | | | | | Y= | λ 144°22'51.61545" | 799.01 | 129.79 |
| HARRIS, 1970 | G.P. G 145.11 | | | | X= | ϕ 60°01'22.13089" | 684.93 | 1171.98 |
| | | | | | Y= | λ 144°22'19.86579" | 307.70 | 621.64 |
| FITZ, 1970 | G.P. G 145.11 | | | | X= | ϕ 60°00'21.00236" | 649.98 | 1206.93 |
| | | | | | Y= | λ 144°22'05.13438" | 79.58 | 850.32 |
| | | | | | X= | ϕ | | |
| | | | | | Y= | λ | | |
| | | | | | X= | ϕ | | |
| | | | | | Y= | λ | | |
| | | | | | 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 R.R.White | | | | | X= | ϕ | | |
| | | | | | Y= | λ | | |
| LISTED BY | | | | | COMPUTATION CHECKED BY B.H.Barnes | | | DATE 02/2/71 |
| | | | | | LISTING CHECKED BY | | | DATE |
| HAND PLOTTING BY | | | | | HAND PLOTTING CHECKED BY | | | DATE |
| | | | | | | | | DATE |

COMPILATION REPORT
TP-00079

31 - DELINEATION

The eastern side of the island was compiled using photos 70 (C) 7161 thru 7168. The western side of the island was compiled using the offshore photography, 69 E(C) 2107 thru 2110 because the shoreline was more discernible.

The manuscript was compiled on the Wild B-8 stereoplotting instrument supplemented by graphic compilation from office interpretation of the ratio photographs.

32 - CONTROL

Horizontal control was adequate. See both Photogrammetric Plot Reports dated November 4, 1970 and 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 mean high water line was delineated from 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 Form 76-36B, item Number 5.

TP-00079

40 - HORIZONTAL AND VERTICAL ACCURACY

See item Number 32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following USGS Quadrangles:
Cordova (A-1), Alaska, scale 1:63,360, dated 1953; and Cordova (A-2),
Alaska, scale 1:63,360, dated 1955

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with USC&GS Chart 8513, scale 1:100,000,
dated August 9, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEM TO BE CARRIED FORWARD

None.

Submitted by,

James L. Byrd, Jr.
Elmer Pursel, Jr.
December 15, 1970

Approved,

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

REVIEW REPORT
SHORELINE
TP-00079

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 Quadrangles: Cordova (A-1), Alaska, dated 1953 and Cordova (A-2), Alaska, dated 1950. Both at a scale of 1:63,360.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic surveys were conducted within the limits of this map.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with N.O.S. 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 the project instructions, and meets the prerequisites 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,

For *A. P. Lewis*

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 - 00079

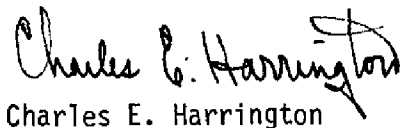
Gulf of Alaska

Kayak Entrance

Okalee Channel

Wingham Island

Approved by;



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 | III. 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 II. 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. | |

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

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

STATE
Alaska

LOCALITY
Controller Bay

DATE
June 1983

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

OPR PROJECT NO.

487

JOB NUMBER

PH-6906

SURVEY NUMBER

TP-00079

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

LANDMARKS FOR CHARTS

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)

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

FIELD

OFFICE

POSITION

NA 1927

LONGITUDE

D.P. Meters

D.M. Meters

D.P. Meters

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' | |
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| *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods. | |

