

T-12373

T-12373

NOAA FORM 76-35  
(6-80)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

Map No.  
T-12373Edition No.  
1Job No.  
PH-6303Map Classification  
FINAL FIELD EDITED MAPType of Survey  
SHORELINE

## LOCALITY

State  
ALASKAGeneral Locality  
CLARENCE STRAITLocality  
LEMLEY ROCKS

1963 TO 1971

REGISTERED IN ARCHIVES

DATE

|                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                         |                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| NOAA FORM 76-36A<br>(3-72)                                                                                                                                                                                                 |  | U. S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.                                                                                                                                                 |                                                      |
| <b>DESCRIPTIVE REPORT - DATA RECORD</b>                                                                                                                                                                                    |  | TYPE OF SURVEY<br><input checked="" type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED                                                                                 |                                                      |
| PHOTOGRAMMETRIC OFFICE<br><br>Coastal Mapping Division, AMC, Norfolk, VA                                                                                                                                                   |  | SURVEY TP-12373<br><br>MAP EDITION NO. 1<br><br>MAP CLASS Final<br>JOB PH-6303                                                                                                                                          |                                                      |
| OFFICER-IN-CHARGE<br><br>Jeffrey G. Carlen                                                                                                                                                                                 |  | LAST PRECEDING MAP EDITION<br>TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED<br><br>JOB PH-<br>MAP CLASS<br>SURVEY DATES:<br>19__ TO 19__ |                                                      |
| <b>I. INSTRUCTIONS DATED</b>                                                                                                                                                                                               |  |                                                                                                                                                                                                                         |                                                      |
| 1. OFFICE                                                                                                                                                                                                                  |  | 2. FIELD                                                                                                                                                                                                                |                                                      |
| Aerotriangulation Jan 9, 1967<br>Compilation Mar. 20, 1967<br>Compilation Supplement 1 Nov 6, 1970<br>Compilation Supplement 2 Nov 23, 1970<br>Compilation Supplement 3 Nov 5, 1971<br>Compilation Amendment 1 Dec 7, 1971 |  | Field Feb 10, 1966                                                                                                                                                                                                      |                                                      |
| <b>II. DATUMS</b>                                                                                                                                                                                                          |  |                                                                                                                                                                                                                         |                                                      |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN                                                                                                                                                     |  | OTHER (Specify)                                                                                                                                                                                                         |                                                      |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER<br><input type="checkbox"/> MEAN LOW-WATER<br><input type="checkbox"/> MEAN LOWER LOW-WATER<br><input type="checkbox"/> MEAN SEA LEVEL                    |  | OTHER (Specify)                                                                                                                                                                                                         |                                                      |
| 3. MAP PROJECTION<br><br>polyconic                                                                                                                                                                                         |  | 4. GRID(S)<br>STATE Alaska ZONE 1                                                                                                                                                                                       |                                                      |
| 5. SCALE<br>1:10,000                                                                                                                                                                                                       |  | STATE ZONE                                                                                                                                                                                                              |                                                      |
| <b>III. HISTORY OF OFFICE OPERATIONS</b>                                                                                                                                                                                   |  |                                                                                                                                                                                                                         |                                                      |
| OPERATIONS                                                                                                                                                                                                                 |  | NAME                                                                                                                                                                                                                    | DATE                                                 |
| 1. AEROTRIANGULATION BY<br>METHOD: stereoplanigraph LANDMARKS AND AIDS BY                                                                                                                                                  |  | P. Hawkins                                                                                                                                                                                                              | Mar 1967                                             |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY<br>METHOD: coradomat CHECKED BY                                                                                                                                                    |  | P. Bethea<br>J. Perrow                                                                                                                                                                                                  | Aug 1968<br>Aug 1968                                 |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY<br>COMPILATION CHECKED BY<br>INSTRUMENT: kelsh<br>SCALE: 1:6,000<br>CONTOURS BY<br>CHECKED BY                                                                                     |  | C. Blood<br>A. C. Rauck<br>NA<br>NA                                                                                                                                                                                     | Jan 1971<br>Jan 1971<br><br>                         |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY<br>CHECKED BY<br>METHOD: smooth drafted<br>CONTOURS BY<br>CHECKED BY<br>SCALE: 1:10,000<br>HYDRO SUPPORT DATA BY<br>CHECKED BY                                                     |  | L. Neterer, Jr.<br>R. Pate<br>NA<br>NA<br>L. Neterer, Jr.<br>R. Pate                                                                                                                                                    | Jan 1971<br>Jan 1971<br><br><br>Jan 1971<br>Jan 1971 |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY                                                                                                                                                                                |  | R. Pate                                                                                                                                                                                                                 | Jan 1971                                             |
| 6. APPLICATION OF FIELD EDIT DATA BY                                                                                                                                                                                       |  | R. White                                                                                                                                                                                                                | Mar 1972                                             |
| 7. COMPILATION SECTION REVIEW BY                                                                                                                                                                                           |  | B. Wilson                                                                                                                                                                                                               | Mar 1972                                             |
| 8. FINAL REVIEW BY                                                                                                                                                                                                         |  | B. Wilson                                                                                                                                                                                                               | Mar 1972                                             |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                                             |  | L.O. Neterer, Jr.                                                                                                                                                                                                       | Jan 1987                                             |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY                                                                                                                                                                             |  | L.O. Neterer, Jr.                                                                                                                                                                                                       |                                                      |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY                                                                                                                                                                             |  | P. Dempsey<br>J. Wilson                                                                                                                                                                                                 | Jan 1987<br>July 1988                                |

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYT-12373  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

|                                                                                                                                                                                           |           |                                                |          |                                                                                                                           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------|--|
| CAMERA(S)<br>Wild RC-8"W"                                                                                                                                                                 |           | TYPES OF PHOTOGRAPHY<br>LEGEND                 |          | TIME REFERENCE                                                                                                            |  |
| TIDE STAGE REFERENCE<br><input checked="" type="checkbox"/> PREDICTED TIDES<br><input type="checkbox"/> REFERENCE STATION RECORDS<br><input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |           | (C) COLOR<br>X(P) PANCHROMATIC<br>(I) INFRARED |          | ZONE<br>Pacific<br>MERIDIAN<br>120th<br><input checked="" type="checkbox"/> STANDARD<br><input type="checkbox"/> DAYLIGHT |  |
| NUMBER AND TYPE                                                                                                                                                                           | DATE      | TIME                                           | SCALE    | STAGE OF TIDE                                                                                                             |  |
| 63W 7249-7250                                                                                                                                                                             | Jul 2, 63 | 10:24                                          | 1:30,000 | 11.3 ft above MLLW                                                                                                        |  |
| 63W 7609-7614                                                                                                                                                                             | Jul 2, 63 | 15:18                                          | 1:15,000 | 5.1 ft above MLLW                                                                                                         |  |

T-12373

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

| OPERATION                           | NAME                                                                                                                                                               | DATE     |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1. CHIEF OF FIELD PARTY             | B.I. Williams                                                                                                                                                      | Apr 1966 |
| 2. HORIZONTAL CONTROL               | RECOVERED BY R. Melby                                                                                                                                              | Apr 1966 |
|                                     | ESTABLISHED BY None                                                                                                                                                |          |
|                                     | PRE-MARKED OR IDENTIFIED BY R. B. Melby                                                                                                                            | Apr 1966 |
| 3. VERTICAL CONTROL                 | RECOVERED BY NA                                                                                                                                                    |          |
|                                     | ESTABLISHED BY NA                                                                                                                                                  |          |
|                                     | PRE-MARKED OR IDENTIFIED BY NA                                                                                                                                     |          |
| 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<br><input type="checkbox"/> COMPLETE<br><input type="checkbox"/> SPECIFIC NAMES ONLY<br><input checked="" type="checkbox"/> NO INVESTIGATION |          |
| 6. PHOTO INSPECTION                 | CLARIFICATION OF DETAILS BY None                                                                                                                                   |          |
| 7. BOUNDARIES AND LIMITS            | SURVEYED OR IDENTIFIED BY NA                                                                                                                                       |          |

## II. SOURCE DATA

|                                                                                                               |              |                                                                                                  |                     |
|---------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------|---------------------|
| 1. HORIZONTAL CONTROL IDENTIFIED<br>Photo identified                                                          |              | 2. VERTICAL CONTROL IDENTIFIED<br>NA                                                             |                     |
| PHOTO NUMBER                                                                                                  | STATION NAME | PHOTO NUMBER                                                                                     | STATION DESIGNATION |
| 63W 7250                                                                                                      | LEM, 1916    |                                                                                                  |                     |
| 3. PHOTO NUMBERS (Clarification of details)<br>None                                                           |              |                                                                                                  |                     |
| 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED<br>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<br>None                                                                        |              |                                                                                                  |                     |
| 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)<br>2 forms 152 |              |                                                                                                  |                     |

T-12373  
HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION

☒ FIELD EDIT OPERATION

| OPERATION                           | NAME                                                                                                                                                               | DATE                 |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1. CHIEF OF FIELD PARTY             | H. R. Lippold                                                                                                                                                      | May 1971             |
| 2. HORIZONTAL CONTROL               | RECOVERED BY<br>ESTABLISHED BY<br>PRE-MARKED OR IDENTIFIED BY                                                                                                      | None<br>None<br>None |
| 3. VERTICAL CONTROL                 | RECOVERED BY<br>ESTABLISHED BY<br>PRE-MARKED OR IDENTIFIED BY                                                                                                      | NA<br>NA<br>NA       |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY<br>LOCATED (Field Methods) BY<br>IDENTIFIED BY                                                                               | None<br>None<br>None |
| 5. GEOGRAPHIC NAMES INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE<br><input type="checkbox"/> SPECIFIC NAMES ONLY<br><input checked="" type="checkbox"/> NO INVESTIGATION |                      |
| 6. PHOTO INSPECTION                 | CLARIFICATION OF DETAILS BY                                                                                                                                        | L. Oliver            |
| 7. BOUNDARIES AND LIMITS            | SURVEYED OR IDENTIFIED BY                                                                                                                                          | NA                   |

II. SOURCE DATA

| 1. HORIZONTAL CONTROL IDENTIFIED |              | 2. VERTICAL CONTROL IDENTIFIED |                     |
|----------------------------------|--------------|--------------------------------|---------------------|
| None                             |              | NA                             |                     |
| PHOTO NUMBER                     | STATION NAME | PHOTO NUMBER                   | STATION DESIGNATION |
|                                  |              |                                |                     |

3. PHOTO NUMBERS (Clarification of details)

63W 7610

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 (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

Field edit ozalid

Field Edit Report

NOAA FORM 76-36D  
(3-72)T-12373  
RECORD OF SURVEY USEU. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## I. MANUSCRIPT COPIES

| COMPILATION STAGES                         |          |           | DATE MANUSCRIPT FORWARDED |               |
|--------------------------------------------|----------|-----------|---------------------------|---------------|
| DATA COMPILED                              | DATE     | REMARKS   | MARINE CHARTS             | HYDRO SUPPORT |
| Compilation complete<br>pending field edit | Jan 1971 | Class III | Feb 10, 1971              | Feb 9, 1971   |
| Field edit applied<br>compilation complete | Mar 1972 | Class I   | Mar 23, 1976              | Jun 9, 1975   |
| Final Review                               | Sep 1987 | Final Map | June 1987                 |               |
|                                            |          |           |                           |               |

## II. LANDMARKS AND AIDS TO NAVIGATION

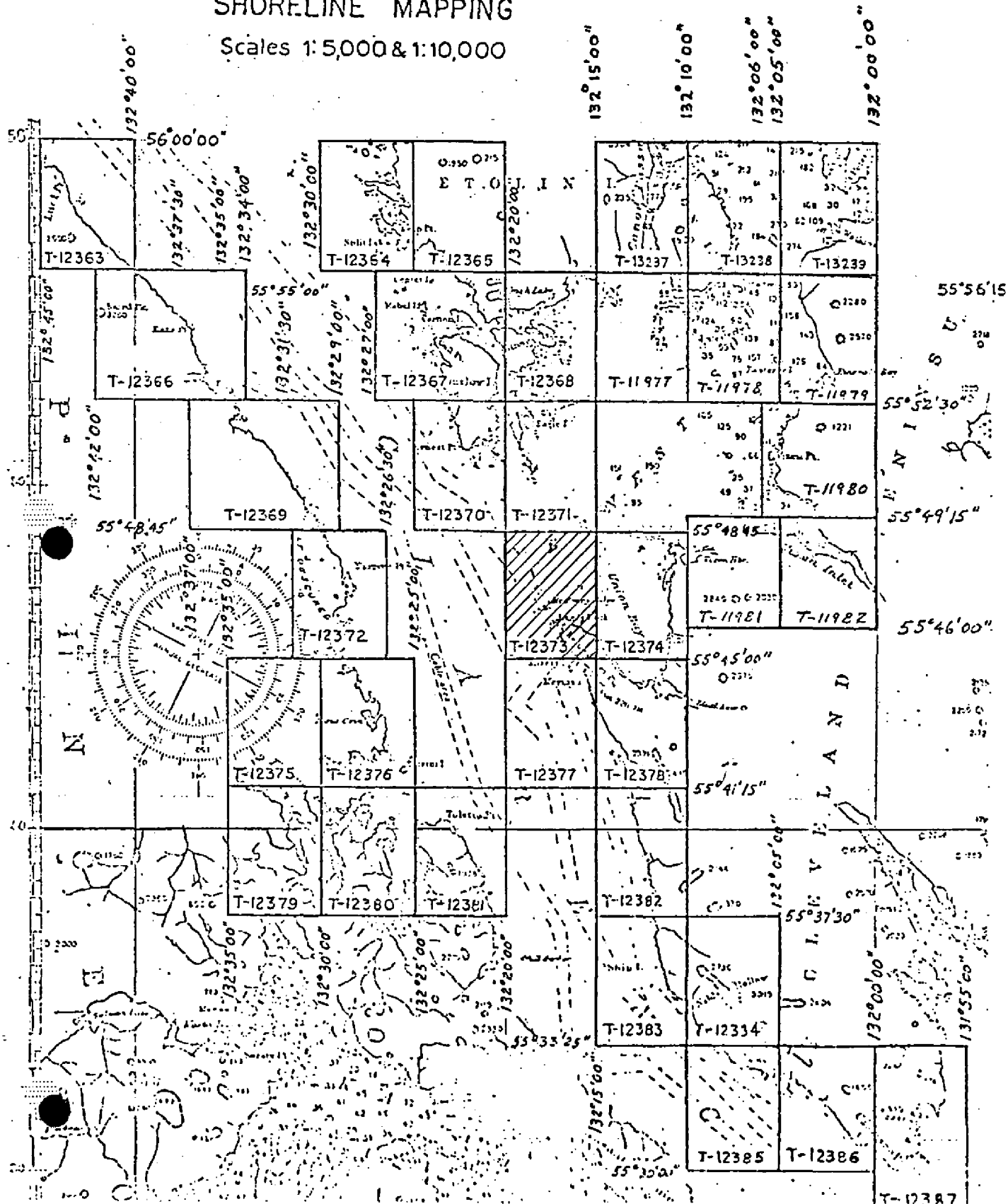
## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER<br>NUMBER ASSIGNED | DATE<br>FORWARDED | REMARKS |
|--------|---------------------------------|-------------------|---------|
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |

Dec 2, 1977

REVISED 9/23/76 RWW  
REVISED 10/9/86 D.B.  
T-13240 CANCELED  
REVISED 12/11/86 JDM  
T-13381 CANCELED (1976)

Scales 1:5,000 & 1:10,000



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

T-12373

This 1:10,000 scale shoreline map is one of thirty-four maps that comprise project PH-6303, Clarence Strait, Alaska. This project encompasses Clarence Strait and Ernest Sound, latitude 55° 28' 45" north to latitude 56° 00' 00" and longitude 131° 55' 00" west to longitude 132° 45' 00".

Photographic coverage was provided in July 1963 using the "W" camera (focal length 153.02 millimeters) at 1:15,000 and 1:30,000 scale, using black and white panchromatic film.

Field work prior to compilation consisted of photoidentification of horizontal control for aerotriangulation in May 1966.

Analytic aerotriangulation was performed at the Washington Science Center March 15, 1967.

Compilation was performed at the Atlantic Marine Center during January 1971.

Field edit was accomplished during April 1971.

Application of field edit and advancing this map to Class I status was achieved in March 1972.

Final review was completed at the Atlantic Marine Center during September 1987.

This Descriptive Report contains all pertinent information used to compile this Final Field Edited Map.

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

## FIELD INSPECTION REPORT

Project PH-6303

Shoreline Mapping, Clarence Strait &amp; Ernest Sound Alaska

May, 1966

Shoreline Manuscripts T-11982 and T-12363 thru T-12387

The area of the project is along the shores of Clarence Strait and the entrance of Ernest Sound, including Tolstoi Bay and Union Bay.

The area is in a remote section of southeast Alaska, accessible only by ship or airplane.

There are three communities, Meyers Chuck, Thorne Bay and Ratz Harbor. The latter two are logging camps.

The interior areas are covered with a dense growth of coniferous timber, chiefly spruce, hemlock and cedar.

Horizontal control consisted of the photo-identification of the required triangulation stations. New stations were established by triangulation or traverse utilizing the electronic distance measuring instruments (Fairchild MC-8 Electrochains).

The shoreline is mostly rocky and irregular. Numerous ledges extend seaward from the rocky headlands and points. The strata formation of many of the ledges are in vertical or incline planes making the ledges quite irregular and jagged. The shoreline of occasional small bights will be of a gravel, stone or boulder composition.

The shoreline was field inspected at landing sites, these locations usually being at the site of triangulation stations. The interpretation of the mean high water line on photography taken at low water can be distinguished in the following manner. Adjacent to the existing water level at the time of photography will be a white area. This is mostly barnacles and similar marine

life that reflects a white tone. This will appear as a white band paralleling the shoreline. This is followed by a dark, nearly black color tone. This area receives only occasional wave action during storms. This appears on the photography as a dark band adjacent to and next in elevation above the white band of barnacles. Above the dark band will usually be seen a greyish color tone, extending to the tree line. This is composed of grass, lichens and debris on the bedrock. The mean high water line is at the junction of the white barnacle band and the dark band. An example of this can be noted by observing contact photograph 65 L 5129 in the vicinity of the field identification of station OVAL, 1916.

Approved:

*Bruce I. Williams*  
Bruce I. Williams Lt. ESSA

C.O. Ship PATTON

Respectfully submitted

*Robert B. Melby*  
Robert B. Melby

Surveying Technician, C & GS

PHOTOGRAMMETRIC PLOT REPORT  
Job PH-6303  
Clarence Strait, Alaska  
Part I - Southern Half

March 15, 1967

21. Area Covered

The area covered in this report is along both the east and west shoreline of Clarence Strait, Alaska. Included are all, or part, of T-sheets 12372 thru 12387, at 1:10,000 scale.

22. Method

Five strips were bridged on the stereoplanigraph and adjusted by the IBM 1620 methods. Strip #1 (63-W-7205 thru 7211) was adjusted on three control stations with tie points from Strip #2 as checks. Strip #2 (63-W-7223 thru 7233) was adjusted on four control stations using tie points from Strip #1 and #3 as checks. Strip #3 (63-W-7240 thru 7250), was adjusted on four control stations with tie points from Strip #2 as checks. Strip #5 (63-W-7262 thru 7271) was adjusted on four control stations with tie points from Strip #6 as checks. Strip #6 (63-W-7275 thru 7285) was adjusted on four control stations with tie points from Strip #6 as checks.

All plates were drilled on the PUG. All tie points between strips were averaged.

23. Adequacy of Control

Horizontal control was adequate and complied with project instructions. All stations held within National Map Accuracy Standards with the following exceptions:

- (1) MAN 2, HUB A (temp.) 1930, SS "A", SS "B", SS "C"

None of the three substations could be held in either Strip #1 or #2. Since the field report stated, "instrument #307 giving erratic readings," plus the fact that two positions could be computed for any of the substations (depending on which azimuth station was used) the entire station was dropped from both strips.

(2) JAY 1924, SS "C" Strip #2)

This substation could not be seen clearly in Strip #1 due to overhang. It was held in Strip #2, but was dropped from Strip #1.

(3) NIBLACK 1915, SS "A" (Strip #2)

This substation could not be seen clearly. Since SS "B" and SS "C" held together in the bridge, SS "A" was dropped from the strip.

(4) LEM 1916, SS "B" (Strip #3)

This substation was of very poor quality and was dropped from the bridge. Substation "A" and SS "C" held in the bridge.

(5) THOR 1966, SS "B" (Strip #5)

This substation was of very poor image point and could not be held in the bridge.

(6) JERK 1966, SS "B" (Strip #5)

This substation was of very poor image quality and was dropped from the bridge.

(7) NAR 1915, SS "B" (Strip #6)

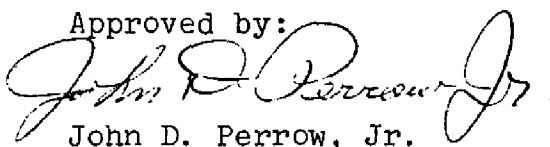
This substation was of poor image quality and was dropped from the bridge.

In general, the photo quality of most of the substations was very poor. It is realized that the field was working in a very difficult area and fortunately provided three substations for most control stations. For this reason the above were dropped from the bridge with no fear of detracting from the overall accuracy.

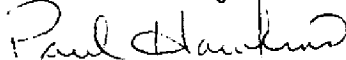
25. Photography

Photography was adequate as to coverage, overlap and definition.

Approved by:

  
John D. Perrow, Jr.

Submitted by:

  
Paul Hawkins

## DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO.          | JOB NO.                       | GEODETIC DATUM                 | ORIGINATING ACTIVITY                        | REMARKS                                                       |                |
|------------------|-------------------------------|--------------------------------|---------------------------------------------|---------------------------------------------------------------|----------------|
| T-12373          | PH-6303                       | NA 1927                        | Division, Norfolk, Va.                      | Coastal Mapping                                               |                |
| STATION NAME     | SOURCE OF INFORMATION (Index) | AEROTRIANGULATION POINT NUMBER | COORDINATES IN FEET<br>STATE ALASKA<br>ZONE | GEOGRAPHIC POSITION<br>$\phi$ LATITUDE<br>$\lambda$ LONGITUDE | FORWARD BACK   |
| LEM, 1916        | 55132<br>pg. 13               |                                | X=                                          | $\phi$ 55 46 02.965                                           | 91.7 (1764.0)  |
|                  |                               |                                | Y=                                          | $\lambda$ 132 16 52.193                                       | 910.0 (136.2)  |
| LEM, 1916        | 55132<br>pg. 13               |                                | X=                                          | $\phi$ 55 46 03.977                                           | 123.0 (1732.7) |
|                  |                               |                                | Y=                                          | $\lambda$ 132 17 11.943                                       | 208.2 (838.0)  |
|                  |                               |                                | X=                                          | $\phi$                                                        |                |
|                  |                               |                                | Y=                                          | $\lambda$                                                     |                |
|                  |                               |                                | X=                                          | $\phi$                                                        |                |
|                  |                               |                                | Y=                                          | $\lambda$                                                     |                |
|                  |                               |                                | X=                                          | $\phi$                                                        |                |
|                  |                               |                                | Y=                                          | $\lambda$                                                     |                |
|                  |                               |                                | X=                                          | $\phi$                                                        |                |
|                  |                               |                                | Y=                                          | $\lambda$                                                     |                |
|                  |                               |                                | X=                                          | $\phi$                                                        |                |
|                  |                               |                                | Y=                                          | $\lambda$                                                     |                |
|                  |                               |                                | X=                                          | $\phi$                                                        |                |
|                  |                               |                                | Y=                                          | $\lambda$                                                     |                |
|                  |                               |                                | X=                                          | $\phi$                                                        |                |
|                  |                               |                                | Y=                                          | $\lambda$                                                     |                |
|                  |                               |                                | X=                                          | $\phi$                                                        |                |
|                  |                               |                                | Y=                                          | $\lambda$                                                     |                |
| COMPUTED BY      | A. C. Rauck, Jr.              | DATE                           | COMPUTATION CHECKED BY                      | B. Wilson                                                     | DATE 11/24/70  |
| LISTED BY        |                               | DATE                           | LISTING CHECKED BY                          |                                                               | DATE           |
| HAND PLOTTING BY |                               | DATE                           | HAND PLOTTING CHECKED BY                    |                                                               | DATE           |

## COMPILATION REPORT

T-12373

31. DELINEATION:

The Kelsh Plotter was used with 1:30,000 scale photography to compile the shoreline. There was no field inspection.

32. CONTROL:

See Photogrammetric Plot Report dated March 15, 1967.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. There was no drainage compiled on this map.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line has been delineated from office interpretation of the photos.

36. OFFSHORE DETAILS:

Offshore details were compiled by office interpretation of the photographs.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36B included with this report.

T-12373

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS quadrangle CRAIG (D-1), Alaska, scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 8102, scale 1:229,376, 8th edition, dated December 1965, Chart 8124, scale 1:40,000, 6th edition, dated January 11, 1965, and Chart 8161, scale 1:80,000, 3rd edition, dated April 1966.

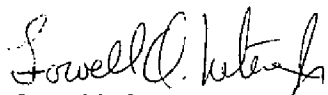
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

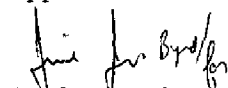
ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

  
Lowell O. Neterer, Jr.  
Cartographic Technician  
January 12, 1971

Approved and forwarded:

  
A. C. Rauck, Jr.  
Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6303 (Clarence Strait, Alaska)

T-12373

Clarence Strait

Ernest Sound

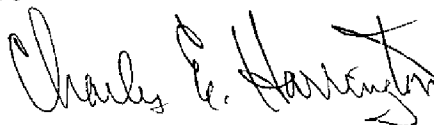
Lemesurier Point

Lemly Rocks

Misery Island

Union Bay

Approved:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division  
Charting and Geodetic Services

FIELD EDIT REPORT

SHEET T-12373

CLARENCE STRAIT

(LEMLEY ROCKS)

PH-6301

MAY 1971

NOAA SHIP PATHFINDER

CAPT. H.R. LIPPOLD JR., CMDG.

## 51 Methods

The field edit of this map was done in accordance with photogrammetric instructions and project instructions to the Commanding Officer, NOAA SHIP PATHFINDER, dated 19 January 1971. Steep shorelines made it possible to do all work from MW #6 and SB #5. Easy accessibility to the beach made frequent on shore inspection no problem. Sextant fixes were used to verify and locate objects that could not be seen or positively verified on the photographs.

All deletions, additions, verification and corrections to be applied to the manuscript appear on the Field Edit Ozalid. This ozalid is an index and inventory of all field edit work performed. All features marked in green on the ozalid are to be deleted. Red circles on the ozalid indicate the approximate location of the signals used in the field work. Cross references on the Field Edit Ozalid to the photographs are also a part of the compilation.

## 52 Adequacy of Compilation

Compilation of the manuscript was adequate and complete for all areas within the boundaries indicated on the Field Edit Ozalid.

## 54 Recommendations

None

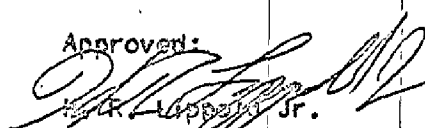
## 56 Additional Information

Alaska Standard Time, time meridian 120°W, was used until 25 April. Alaska Daylight Time, time meridian 105°W, was used after that date.

All photogrammetric and ground survey signals used during the project are listed on a sheet attached to the Field Edit Ozalid and also included in this report. Signals used for field edit fixes are included in the list.

All fixes taken during the field edit are identified by number on the Field Edit Ozalid. A running tabulation of this data is supplied with the ozalid and is also part of this report.

Approved:

  
L. J. Oliver Jr.  
CAPT. NOAA  
Commanding Officer

  
L. J. Oliver  
LTJG, NOAA  
Photo Officer

REVIEW REPORT  
SHORELINE

T-12373

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 U.S.G.S. Quadrangle: CRAIG (D-1), Alaska, dated 1951, scale 1:63,360.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with Hydrographic Survey H-9191, 1:10,000 scale.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS charts:

17385, 11th edition, dated August 11, 1984, scale 1:80,000,  
17420, 23rd edition, dated March 16, 1985, scale 1:229,376, and  
17423, 11th edition, dated January 3, 1981, scale 1:40,000.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by:

*Lowell O. Neterer, Jr.*  
Lowell O. Neterer, Jr.  
Final Reviewer  
September 1987

Approved for forwarding:

*Billy H. Barnes*  
Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:

*Jerry O. Robson*  
Chief, Photogrammetric Production Sect.

*G. Y. Bryson*  
Chief, Photogrammetry Branch  
Rockville

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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]