

T-12659

T-12659

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. .. PH-6411 Map No. T-12659

Classification No. III Edition No. ... 1

LOCALITY

State Alaska

General Locality Port Valdez

Locality Valdez

19 65 TO 1966

REGISTRY IN ARCHIVES

DATE

| NOAA FORM 76-36A (3-72) | | U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. | | | | | |
|---|---|---|--|---|---|--|--|
| DESCRIPTIVE REPORT - DATA RECORD | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width: 50%;"> SURVEY TP <u>12659</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB <u>PH-6411</u> </td> </tr> </table> | | TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | SURVEY TP <u>12659</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB <u>PH-6411</u> | | |
| TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | SURVEY TP <u>12659</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB <u>PH-6411</u> | | | | | | |
| PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk OFFICER-IN-CHARGE Cdr. Jeffrey G. Carlen | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</th> </tr> <tr> <td style="width: 50%;"> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width: 50%;"> JOB <u>PH-</u> MAP CLASS <u> </u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u> </td> </tr> </table> | | 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> |
| 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> | | | | | | |
| I. INSTRUCTIONS DATED | | | | | | | |
| 1. OFFICE | | 2. FIELD | | | | | |
| Instructions - OFFICE - 12/30/64 - Supplement I - 11/9/65 - Amendment I - 2/7/66 - Amendment II - 1/9/67 | | Instructions - FIELD - 5/28/65 - 6/3/65 | | | | | |
| 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) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE <u>Alaska</u></td> <td style="width: 50%;">ZONE <u>3</u></td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table> | | STATE <u>Alaska</u> | ZONE <u>3</u> | STATE | ZONE |
| STATE <u>Alaska</u> | ZONE <u>3</u> | | | | | | |
| STATE | ZONE | | | | | | |
| 5. SCALE 1:5,000 | | | | | | | |
| III. HISTORY OF OFFICE OPERATIONS | | | | | | | |
| OPERATIONS | | NAME | DATE | | | | |
| 1. AEROTRIANGULATION Stereoplanigraph & BY METHOD: IBM 1620 Adjustment LANDMARKS AND AIDS BY | | <u>P. Hawkins</u> N/A | <u>12/15/66</u> | | | | |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY | | <u>J. Steinberg</u> <u>C. Blood</u> | <u>1/10/67</u> <u>1/10/67</u> | | | | |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Kelsh Plotter CONTOURS BY SCALE: 1:5,000 CHECKED BY | | <u>L. Neterer</u> <u>A. C. Rauck, Jr.</u> N/A N/A | <u>2/26/67</u> <u>2/26/67</u> | | | | |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Scribed CONTOURS BY SCALE: 1:5,000 CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY | | <u>R. E. Smith & F. P. Margiotta</u> <u>A. C. Rauck, Jr.</u> N/A N/A N/A N/A | <u>5/20/67</u> <u>5/20/67</u> | | | | |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY | | <u>A. C. Rauck, Jr.</u> N/A | <u>5/22/67</u> | | | | |
| 6. APPLICATION OF FIELD EDIT DATA CHECKED BY | | N/A | | | | | |
| 7. COMPILATION SECTION REVIEW BY | | <u>R. E. Smith</u> | <u>5/22/67</u> | | | | |
| 8. FINAL REVIEW BY | | <u>E. L. Rolle</u> | <u>5/77</u> | | | | |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY | | | | | | | |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY | | <u>E. L. Rolle</u> | <u>5/77</u> | | | | |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY | | <u>R. T. Carter</u> | <u>7/77</u> | | | | |

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

COMPILATION SOURCES

T-12659

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|---|-------------------|---|----------------------|-------------------------------------|---|
| CAMERA(S) "L" - 152.29 mm f.L. | | TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED | | TIME REFERENCE | |
| TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | | | ZONE Alaska MERIDIAN 150th | <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| 65L(P) 3041 & 3042 66L(P) 5595 | 6/23/65 7/9/66 | 12:06 16:03 | 1:15,000 1:40,000 | 2.9' above MLLW 8.9' above MLLW | |

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the photography listed above under Item 1.

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

The MLLW line was not 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 contemporary survey | T-12656 | T-12656 | T-12658 |

REMARKS

HISTORY OF FIELD OPERATIONS

T-12659

There was no field operations data submitted.

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

RECORD OF SURVEY USE

T-12659

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|--|---------|---------------|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Compilation complete pending field edit | 5/23/67 | Class III Map | 5/23/67 | 5/23/67 |
| Final review | 5/31/77 | Class III Map | 5/31/77 | |
| | | | | |
| | | | | |

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS |
|--------|---------------------------------|-------------------|---------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

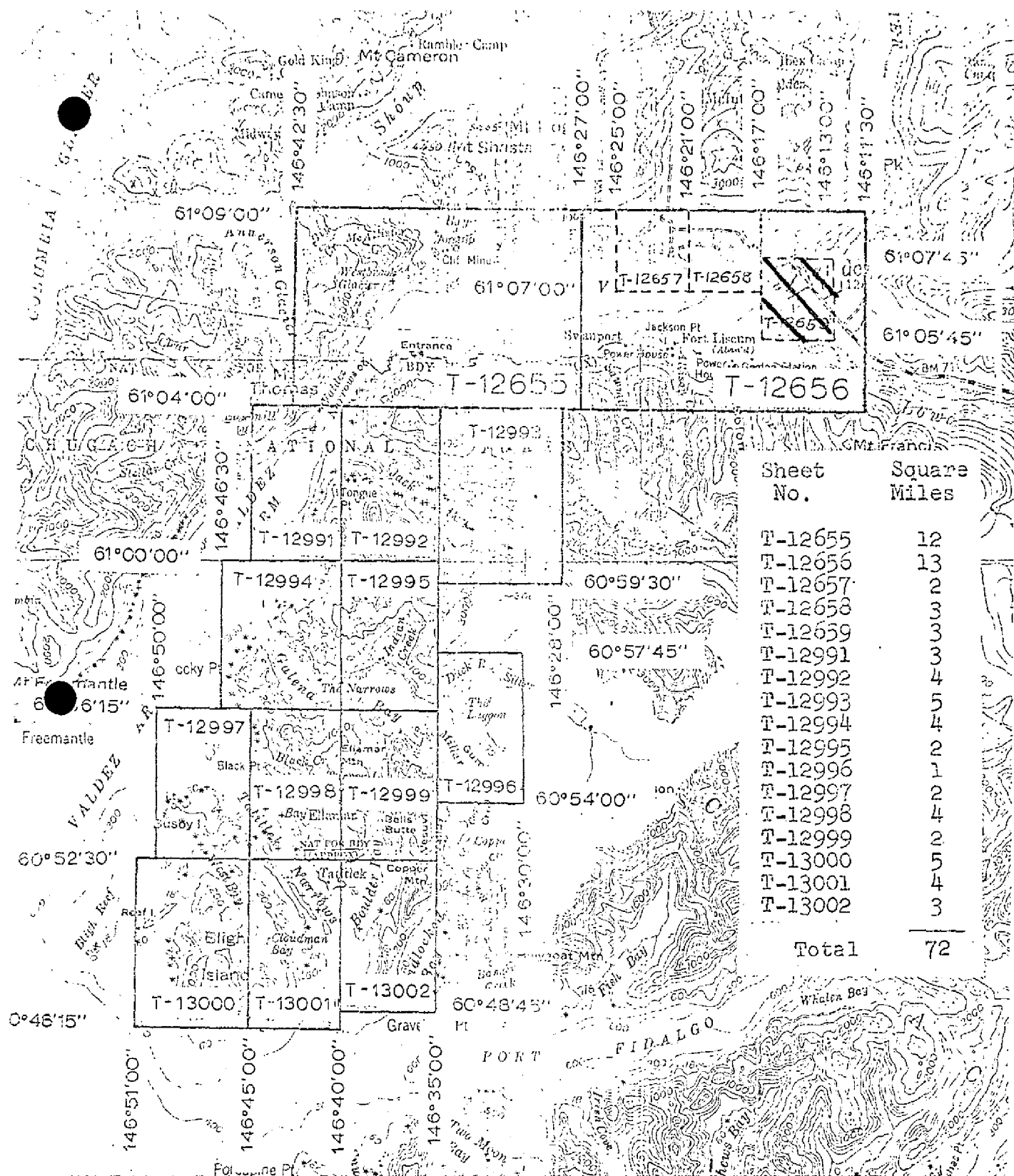
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

| | | | |
|----------------|---------------------------------|--------------------------|---|
| SECOND EDITION | SURVEY NUMBER TP - _____ (2) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |
| THIRD EDITION | SURVEY NUMBER TP - _____ (3) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |
| FOURTH EDITION | SURVEY NUMBER TP - _____ (4) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |



| Sheet No. | Square Miles |
|--------------|--------------|
| T-12655 | 12 |
| T-12656 | 13 |
| T-12657 | 2 |
| T-12658 | 3 |
| T-12659 | 3 |
| T-12991 | 3 |
| T-12992 | 4 |
| T-12993 | 5 |
| T-12994 | 4 |
| T-12995 | 2 |
| T-12996 | 1 |
| T-12997 | 2 |
| T-12998 | 4 |
| T-12999 | 2 |
| T-13000 | 5 |
| T-13001 | 4 |
| T-13002 | 3 |
| Total | 72 |

JOB PH-6411
 SHORELINE MAPPING
 1:5,000, 1:10,000 & 1:20,000 SCALE
 VALDEZ ARM
 ALASKA

SUMMARY
T-12655 thru T-12659

This map is one of seventeen maps which comprise Job PH-6411, Valdez Arm, Alaska. The job diagram shows its location within the project limits. Maps T-12655 and T-12656 were compiled at 1:20,000 scale and maps T-12657, T-12658, and T-12659 were compiled at 1:5,000 scale.

The purpose of this job was to furnish support for a standard hydrographic survey and to update nautical charts covering the area.

Field operations, which began in 1966, were limited to recovery of horizontal control for aerotriangulation. There was no field edit.

Aerotriangulation and compilation photography was furnished at scales of 1:10,000, 1:15,000, and 1:40,000. All photography is panchromatic taken with the "L" and "S" cameras.

Five strips were bridged on the stereoplanigraph and adjusted by IBM 1620 methods. Sixteen horizontal control stations were used in the adjustment. The control provided for this bridging was adequate and complies with project instructions.

Compilation photography was the 1:10,000, 1:15,000, and 1:40,000 scale panchromatic photography. The Kelsh Plotter and the Wild B-8 were used to compile the maps. All line work is smooth compilation drafting.

Final review was done by the Rockville Quality Control Group in May 1977,

The following items are registered in the Bureau Archives:

1. A plastic copy of each map
2. A Descriptive Report for each map

Negatives for each map are filed in the Reproduction Division.

All field data are filed in the National Archives.

FIELD INSPECTION REPORT
T-12659

There was no field inspection prior to compilation.

PHOTOGRAMMETRIC PLOT REPORT

Job PH-6411
Valdez, Alaska

December 15, 1966

21. Area Covered

The area covered by this report is the entire shoreline of Valdez Bay, Alaska. Included in this area are 1:20,000 scale T-sheets T-12655 and T-12656. Also covered in this report are 1:5,000 scale T-sheets T-12657, T-12658 and T-12659 which are located as insets in T-12656.

22. Method

Five strips were bridged on the stereoplanigraph and adjusted by IBM 1620 methods. Strip #1 (64-S-6302 thru 6323) was adjusted on five triangulation stations with three stations as checks. Strip #8 (66-L-5577 thru 5582) was adjusted on three stations with three stations as checks. Strip #9 (66-L-5588 thru 5591) was adjusted on three stations with tie points as checks. Strip #91 (66-L-5591 thru 5596) was adjusted on five stations with one station and tie points as checks. Strip #41 was adjusted on five stations with tie points as checks. All tie points were averaged.

23. Adequacy of Control

The horizontal control provided for this bridge was adequate and with a few exceptions complied with project instructions. Control which could not be held within National Map Accuracy is listed below.

Valdez, BPR ASPHALT TANK FARM, STACK 1959. This point could not be held in either Strip #41 or Strip #91. No reason can be determined for not holding this station.

Valdez, NORTH BASE 1901. SS "C" (new) This point was picked on a corner of a barge which had moved between the 1965 and 1966 photography.

TANK, 1964 could not be held in Strip #41. Since it was held in Strip #91, it is believed that the point was misread during bridging operations.

24. Supplemental Data

Local USGS quads were used to provide vertical control for bridging operations. Vertical positions listed on the IBM outputs should not be used for compilation.

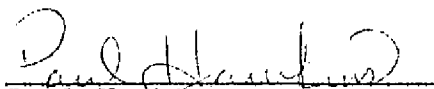
25. Photography

Photography was adequate as to coverage, overlap and definition. Strip #8 was poor in some respects since shadows cover the shoreline in some areas.

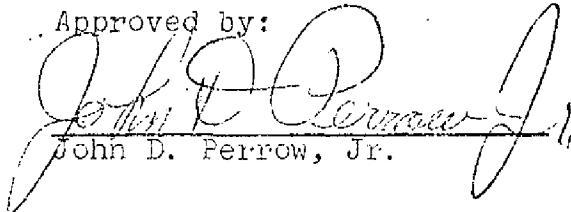
26. Additional Items

Ten of thirteen hydro points located in model 66-L-5588 thru 5599 (Strip #9) were located by the stereoplanigraph operator. The remaining three points could not be accurately determined and should be checked during compilation.

Submitted by:


Paul Hawkins

Approved by:


John D. Perrow, Jr.

COMPILATION REPORT
T-12659

31. Delineation

The map was compiled on the Kelsh Plotter using the 1:15,000 and 1:40,000 scale panchromatic photography.

Photography was satisfactory.

There was no field inspection.

32. Control

Refer to the Photogrammetric Plot Report bound with this Descriptive Report.

The identification, density, and placement of horizontal control was adequate.

33. Supplemental Data - None

34. Contours and Drainage

Contours - Inapplicable.

All significant drainage was compiled.

35. Shoreline and Alongshore Details

There was no preliminary field inspection.

The mean high water line was compiled from office interpretation of the photography.

No mean lower low water line or shoal lines were compiled.

36. Offshore Details

No statement.

37. Landmarks and Aids

No Forms 567 were submitted.

38. Control for Future Surveys - None.

39. Junctions

Refer to Form 76-36B, item 5, bound with this Descriptive Report.

40. Horizontal and Vertical Accuracy

No statement.

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

A comparison has been made with USGS quadrangle of Valdez and vicinity, Alaska, scale 1:62,500, 1962 edition.

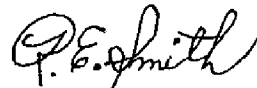
47. Comparison with Nautical Charts

A comparison has been made with Chart 8519, scale 1:79,291, 8th Edition, May 17, 1965.

Items to be Applied to Nautical Charts Immediately - None.

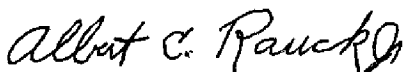
Items to be Carried Forward - None.

Submitted by:



R. E. Smith

Approved:



Albert C. Rauck, Jr.
Chief, Coastal Mapping Section, AMC

49. NOTES FOR THE HYDROGRAPHER

None.

| FORM C&GS-1002 (9-66) | | U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY | |
|---|--|--|---|
| PHOTOGRAMMETRIC OFFICE REVIEW AT-18383 T-12659 | | | |
| 1. PROJECTION AND GRIDS RES | 2. TITLE RES | 3. MANUSCRIPT NUMBERS RES | 4. MANUSCRIPT SIZE RES |
| CONTROL STATIONS | | | |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RES | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NONE | | 7. PHOTO HYDRO STATIONS NONE |
| 8. BENCH MARKS NONE | 9. PLOTTING OF SEXTANT FIXES NONE | 10. PHOTOGRAMMETRIC PLOT REPORT Bridge (W.O.) | 11. DETAIL POINTS NONE |
| ALONGSHORE AREAS (Nautical Chart Data) | | | |
| 12. SHORELINE RES | 13. LOW-WATER LINE NONE | 14. ROCKS, SHOALS, ETC. NONE | 15. BRIDGES NONE |
| 16. AIDS TO NAVIGATION NONE | 17. LANDMARKS NONE | 18. OTHER ALONGSHORE PHYSICAL FEATURES RES | 19. OTHER ALONGSHORE CULTURAL FEATURES RES |
| PHYSICAL FEATURES | | | |
| 20. WATER FEATURES RES | 21. NATURAL GROUND COVER RES | | 22. PLANETABLE CONTOURS NONE |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS NONE | 24. CONTOURS IN GENERAL NONE | 25. SPOT ELEVATIONS NONE | 26. OTHER PHYSICAL FEATURES RES |
| CULTURAL FEATURES | | | |
| 27. ROADS RES | 28. BUILDINGS RES | 29. RAILROADS NONE | 30. OTHER CULTURAL FEATURES RES |
| BOUNDARIES | | | |
| 31. BOUNDARY LINES NONE | | 32. PUBLIC LAND LINES NONE | |
| MISCELLANEOUS | | | |
| 33. GEOGRAPHIC NAMES RES | 34. JUNCTIONS RES | | 35. LEGIBILITY OF THE MANUSCRIPT RES |
| 36. DISCREPANCY OVERLAY NONE | 37. DESCRIPTIVE REPORT RES | 38. FIELD INSPECTION PHOTOGRAPHS NONE | 39. FORMS RES |
| 40. REVIEWER <i>R. E. Smith</i> R. E. Smith | | SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A. C. Rauck | |
| 41. REMARKS (See attached sheet) | | | |
| FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT | | | |
| 42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43. | | | |
| COMPILER | | SUPERVISOR | |
| 43. REMARKS | | | |

REVIEW REPORT T-12659

Shoreline Map

May 1977

61. General Statement

The map was reviewed in its Class III Map (no field edit) phase by the Rockville Quality Control Group. The Descriptive Report contains all the pertinent information which may be required by users of the map.

62. Comparison with Registered Topographic Surveys

A comparison was made with Map T-2565, dated 1901, scale 1:40,000 including a 1:10,000 scale inset. This map is the latest registered prior survey of the area.

Map T-12659 supersedes Map T-2565 for reconstruction of nautical charts within the area.

63. Comparison with Maps of Other Agencies

Refer to the Compilation Report, item 46.

64. Comparison with Contemporary Surveys

A comparison was made with survey H-8900, dated 1966, scale 1:20,000. No significant changes were noted.

65. Comparison with Nautical Charts

Refer to the Compilation Report, item 47.

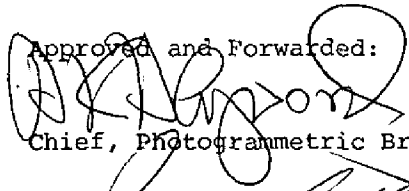
66. Adequacy of Results and Future Surveys

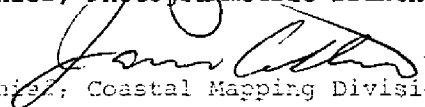
This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau requirements.

Submitted by:


E. L. Rolle

Approved and Forwarded:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division

1

PH-6411

GEOGRAPHIC NAMES

~~Ph-21423~~ (Port Valdez, Alaska)

T-12659 (Shoreline)

Port Valdez

Robe River

Valdez



A. J. Wraight
Geographic Names Section

T-12659
National Archives Data

None