#### NOAA FORM 76-35 (6-80)

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

# DESCRIPTIVE REPORT

| Map No.                   | Edition No.                            |
|---------------------------|--|
| T-12994                   | 1                                      |
| Job No.                   |  |
| PH-6411                   | ;                                      |
| Map Classification        | ······································ |
| CLASS III (FINAL), (PARTI | ALLY FIELD EDITED)                     |
| Type of Survey            |  |
| SHORELINE                 |  |
| LOCALITY                  | <i>,</i>                               |
| LOCALITY                  | · · · · · · · · · · · · · · · · · · ·  |
| State                     |  |
| ALASKA                    | :                                      |
| General Locality          |  |
| VALDEZ ARM                |  |
| Locality                  |  |
| GALENA BAY                |  |
|                           |  |
|                           |  |
|                           |  |
|                           |  |
|                           |  |
| 19 65 TO 19               |  |
|                           |  |
|                           |  |
| REGISTERED IN AI          | RCHIVES                                |
|                           |  |
| DATE                      | <del></del>                            |
|                           |  |

1 of 25

| NOAA FORM 76-36A U. S. DEPARTMENT OF COM<br>(3-72) NATIONAL OCEANIC AND ATMOSPHERIC | MERCE<br>ADMIN. | TYPE OF SURVEY   | SURVEY      | тяХ12994_              |
|---|-----------------|--|-------------|------------------------|
|   |                 | 10 ORIGINAL  | MAP EDITI   | ON NO. ( 1)            |
| DESCRIPTIVE REPORT - DATA RECORD  |                 | T RESURVEY   | MAP CLAS    | s III (FINAL)          |
| DESCRIPTIVE REPORT - DATA RECORD  |                 | ☐ REVISED  |             |                        |
| PHOTOGRAMMETRIC OFFICE  |                 | - KEVISEO  | 308         | PH-6411——              |
| COASTAL MAPPING DIVISION  |                 | LAST PRECEED   | ING MAP EDI | TION                   |
| ATLANTIC MARINE CENTER, NORFOLK, VA   |                 | TYPE OF SURVEY   | .10B        | PH                     |
| OFFICER-IN-CHARGE   |                 | ORIGINAL .   |             | 5                      |
|   |                 | MESURVEY   | SURVEY D    |                        |
| Jeffrey G. Carlen, Cdr.   |                 | D REVISED  | 19TO I      | 9<br>                  |
| I. INSTRUCTIONS DATED   |                 |  |             |                        |
| I. OFFICE Compilation (Pre Hydro Support) Dec. 30,                                  | 1964            | Horizontal Contr   | ol June     | 3, 1965                |
| Memo (Project Planning) May 28.   |                 | (Premarking)   | or built    | . 5, 1705              |
| Aerotriangulation Sept. 2.  |                 | (Tromatking)   |             |                        |
| Aerotriangulation (Amend I) Oct. 11.  | 1965            |  |             |                        |
| Compilation (Supp. I) Nov. 9, Compilation (Amend I) Feb. 7.                         | ,1965<br>1966   |  |             |                        |
| 1 · · · · · · · · · · · · · · · · · · ·   |                 |  |             |                        |
| Aerotriangulation Nov. 8 Compilation (Amend II) Jan. 9                              |                 |  |             |                        |
| Compilation (Supp. II) Feb. 7.  | ,1972           |  |             |                        |
| II. DATUMS  |                 | Total of the second of the sec |             |                        |
| 1. HORIZONTAL: X 1927 NORTH AMERICAN  |                 | OTHER (Specify)  |             |                        |
| TÃ MEAN HIGH-WATER  |                 | OTHER (Specify)  |             |                        |
| MEAN LOW-WATER  |                 |  |             |                        |
| 2. VERTICAL: MEAN LOWER LOW-WAT   | ER              |  |             |                        |
| MEAN SEA LEVEL  |                 |  |             | _ <del></del>          |
| 3. MAP PROJECTION   |                 |  | GRID(5)     |                        |
| Polyconic Projection  |                 | <sup>s⊤</sup> AIāska   | ZONE 3      |                        |
| 5. SCALE<br>1:10,000  |                 | STATE  | ZONE        |                        |
| III. HISTORY OF OFFICE OPERATIONS   |                 | <u> </u>   | <u> </u>    |                        |
| OPERATIONS  |                 | NAME   |             | DATE                   |
| 1. AEROTRIANGULATION  | BY              | W. Heinbaugh   |             | Nov. 1965              |
| METHOD: Stereoplanigraph LANDMARKS AND A  |                 |  |             | 1,000. 1000            |
|   | TED BY          | A. Roundtree   | 1           | Nov. 1965              |
| METHOD: Coradomat check   | KED BY          |  |             |                        |
| 3. STEREOSCOPIC INSTRUMENT PLANIME  | TRY BY          | F. Margiotta   |             | Apr. 1972              |
| 1721 A D O  | KED BY          | R. White   |             | Apr. 1972              |
| INSTRUMENT: Wild B-8 CONTO  |                 | NA NA  |             | ļ                      |
|   | ED BY           | NA.  |             | Ann. 1072              |
| 1   | FRY BY          | F. Margiotta<br>R. Pate  |             | Apr. 1972<br>Apr. 1972 |
| CONTO   |                 | NA   |             | Tabre 12/5             |
| METHOD: SMOOTHE GRATTEG   | KED BY          | NA NA  |             |                        |
| 1.10 000 HYDRO SUPPORT DA   |                 | F. Margiotta   |             | Apr. 1972              |
|   | ED BY           | R. Pate  |             | Apr. 1972              |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT  | ₿Y              | R. Pate  |             | Apr. 1972              |
| (Partial fie)   |                 | J. Minton  |             | Nov. 1974              |
| edit) check   | (ED BY          | A Rauck  |             | Dec. 1974              |
| 7. COMPILATION SECTION REVIEW (Advance ClassI)                                      |                 | A Rauck  |             | Dec. 1974              |
| 8. FINAL REVIEW Final Class III   | ВУ              | J. Hancock   |             | July 1984              |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH   | BY              | J. Hancock   |             | Aug. 1984              |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH   | BY              | R. S. KORNEDA  | <del></del> | DEC 1984               |



|     | NOAA FORM 76-36B<br>(3-72)  | · · · ·              |  |                                | NATIONAL OCE         |                | TMOSPHERIC               | IT OF COMMERCE ADMINISTRATION         |
|-----|---|----------------------|--|--------------------------------|----------------------|----------------|--------------------------|---------------------------------------|
|     |   |                      | CON  | $_{ m T=}12994$ . APILATION SC | MIDCES               |                | NATIONAL                 | _ OCEAN SURVEY                        |
| Ĺ   |   |                      |  | TILATION 30                    |                      |                |                          | <u> </u>                              |
| i   | 1. COMPILATION PHO  | TOGRAPHY             |  | <del></del>                    | <del></del>          | <del></del>    | <del></del>              | · · · · · · · · · · · · · · · · · · · |
|     | Wild RC-8 "L  | " (I=152.2           | 21 mm)   |                                | PHOTOGRAPHY<br>EGEND | - [            | - TIME REFE              | RENCE                                 |
| l   | TIDE STAGE REFERE   | NCE                  |  | (C) COLOR                      |                      | ZONE           | · · ·                    | <del></del>                           |
|     | T REFERENCE STATE   |                      |  | (P) PANCHE                     | OMATIC               | A]             | Laska                    | STANDARD                              |
|     | TIDE CONTROLLE  |                      |  | (I) INFRAR                     | ED                   | 1              | 50th                     | DAYLIGHT                              |
| ĺ   | NUMBER AND  | TYPE                 | DATE   | TIME                           | SCALE                | <del>-  </del> | STAGE OF                 | TIDE                                  |
|     |   |                      |  |                                |                      |                |                          |                                       |
|     | 65 L(C) 4524  |                      | July 6,1965  |                                | 1:15,000             |                | ft. abov                 |                                       |
|     | 65 L(C) 4575<br>65 L(P) 4383  |                      | July 6,1965<br>July 6,1965                         |                                | 1:15,000             |                | 3 ftwcabov<br>2 ft. abov |                                       |
|     | 0.5 5(1) 4363   | - 4300               | July 0,1903  | 09:00                          | 1;30,000             | 2, ر           | z it. abov               | e MLLW                                |
|     | ı   |                      |  |                                | ·                    |                |                          |                                       |
| Í   |   |                      |  |                                |                      | }              |                          |                                       |
|     |   | •                    |  |                                |                      |                |                          |                                       |
| 1   |   |                      |  |                                |                      | Mear           | ı Tide Ran               | ge = 9.6Ft.                           |
|     | REMARKS Photographs based on predicted tide data are referenced to reference station Cordova, Alaska and subordinate station Rocky Point, Alaska. |                      |  |                                |                      |                |                          |                                       |
|     | Cordova, Alas   | ska and su           | bordinate st                                       | ation Rock                     | y Point, Ala         | aska.          |                          |                                       |
|     | 2. SOURCE OF MEAN   | HIGH-WATER           | LINE:  |                                | <del></del>          |                |                          |                                       |
| ĺ   | The Mean  | n High Wat           | er Line was  | compiled f                     | rom office i         | interpre       | etation of               | the                                   |
| -   | above listed  |                      |  | ation/brid                     | ging panchro         | omatic p       | htographs                | using                                 |
|     | stereo instru   | ument meth           | ods.   |                                |                      |                |                          |                                       |
| - { |   |                      |  |                                |                      |                |                          |                                       |
|     |   |                      |  |                                |                      |                |                          |                                       |
|     |   |                      |  |                                |                      |                |                          |                                       |
|     |   |                      |  |                                |                      |                |                          |                                       |
|     |   |                      |  |                                |                      |                |                          | ·                                     |
| - 1 | 3. SOURCE OF MEAN   | KK <b>an</b> -ayzika | MEAN LOWER LO                                      | W-WATER LINE                   | t                    |                |                          |                                       |
|     | The Mean Lower Low Water was graphically compiled from the above listed   |                      |  |                                |                      |                |                          | sted                                  |
| 1   | 1:15,000 scal   |                      |  |                                |                      |                |                          |                                       |
| 1   |   |                      |  |                                |                      |                |                          |                                       |
| ı   |   |                      |  |                                |                      |                |                          |                                       |
| - ( |   |                      |  |                                |                      |                |                          |                                       |
| - ( | •   |                      |  |                                |                      |                |                          |                                       |
| - ( |   |                      |  |                                |                      |                |                          |                                       |
| ł   | <del></del>   |                      | <del>, , _ , _ , _ , _ , _ , _ , _ , _ , _ ,</del> | <del></del>                    |                      |                | <del></del>              |                                       |
|     | 4. CONTEMPORARY   |                      |  |                                | s that are sources t |                | nmetric survey i         | nlormation.)                          |
|     | SURVEY NUMBER<br>H-9422   | DATE(S)              | SURVEY COF   |                                | IVEY NUMBER          | DATE(S)        | SURVE                    | EY COPY USED                          |
|     | <b>Д∼742</b> 2  | 1974                 | Regis  | terea                          |                      |                | ļ                        | 1                                     |
|     | 5. FINAL JUNCTIONS  |                      |  |                                |                      |                |                          |                                       |
|     | NORTH<br>T 12001  | E.                   | AST  | sou                            |                      |                | WEST                     |                                       |
| : } | T-12991<br>REMARKS  |                      | T-12995  |                                | *T-12998             |                | No sur                   |                                       |
| j   | *No app   |                      | MLLW line wa                                       | s compiled                     | for T-12998          | 3. See         | Compilati                | on                                    |
| į   | Report item #   | 135.                 | ·-·-   |                                |                      |                |                          |                                       |

|                                 |                             |                                   | 3   |
|---------------------------------|-----------------------------|-----------------------------------|---|
| NOAA FORM 76-36C<br>(3-72)      | T-12994<br>HISTORY OF FIELD | NATIONAL OCEANIC AND ATMOSP<br>NA | RTMENT OF COMMERCE<br>HERIC ADMINISTRATION<br>TIONAL OCEAN SURVEY |
| 1. X FIELD INSPECTION OPERATION | (PREMARKING)  FIE           | LD EDIT OPERATION                 |   |
| OPERATIO                        | N                           | NAME                              | DATE  |

|                                  | OPERA               | ION                            |                 | N.F           | ME          |             | DATE        |
|----------------------------------|---------------------|--------------------------------|-----------------|---------------|-------------|-------------|-------------|
| . CHIEF OF FIEL                  | J.                  | J. Watkins, Jr.                |                 |               | June - 196  |             |             |
|                                  | <u> </u>            | RECOVERED                      |                 |               |             |             | June 196    |
| HORIZONTAL C                     | ONTROL              | ESTABL ISHED                   |                 | Watkins.      | Jr.         |             | June 196    |
|                                  | F                   | RE-MARKED OR IDENTIFIED        | 1               | -             |             |             | June 196    |
|                                  |                     | RECOVERED                      | BY NA           |               |             |             | <u> </u>    |
| . VERTICAL CON                   | TROL                | ESTABLISHED                    | BY NA           |               |             |             |             |
|                                  |                     | RE-MARKED OR IDENTIFIED        |                 |               |             |             |             |
|                                  |                     | ERED (Triangulation Stations)  |                 | <u>Childs</u> |             |             | June 196    |
| LANDMARKS AL<br>AIDS TO NAVIG    |                     | LOCATED (Field Methods)        |                 | None          |             |             |             |
|                                  |                     | TYPE OF INVESTIGATION          | BY Non          | e             |             |             |             |
|                                  |                     | COMPLETE                       |                 |               |             | ŀ           |             |
| i, GEOGRAPHIC N<br>INVESTIGATION |                     | SPECIFIC NAMES ONLY            | ВУ              |               |             |             |             |
|                                  |                     | V NO INVESTIGATION             |                 |               |             | ,           |             |
| . PHOTO INSPEC                   | TION                |                                |                 |               | -           |             |             |
| , BOUNDARIES A                   | <del></del>         | SURVEYED OR IDENTIFIED         |                 |               | <u>-</u>    |             |             |
| I. SOURCE DATA                   | THE CHARTS          | SORVETED OR IDENTITIES         | BY   Non        | е             |             |             |             |
| . HORIZONTAL C                   | ONTROL IDENTI       | IED                            | 2. VE           | TICAL CONT    | ROL IDEN    | TIFIED      | <del></del> |
| Premarked (                      | Paneled)            |                                | _ NA            |               |             |             |             |
| PHOTO NUMBER                     |                     | STATION NAME                   |                 | NUMBER        |             | ATION DESIG | NA TION     |
|                                  |                     |                                |                 |               |             |             |             |
|                                  |                     | 1 (Paneled direct)             |                 |               |             |             |             |
|                                  |                     | 5 (Paneled direct)             | .   .           |               |             |             |             |
| 65L(P)4384                       | ROCK, R.M           | . 3, 1942(Paneled d            | lirept)         |               |             |             |             |
|                                  |                     |                                |                 |               |             |             |             |
|                                  |                     |                                |                 | 1             |             |             |             |
|                                  |                     |                                |                 |               |             |             |             |
| . PHOTO NUMBE                    | RS (Clarification o | (details)                      |                 |               |             |             |             |
| None                             |                     |                                |                 |               |             |             |             |
|                                  | NO ALOS TO NAVI     | GATION IDENTIFIED              |                 |               |             |             |             |
| . CANDMANNS A                    | TO AIDS TO NAVI     | SKITON IDENTIFIED              |                 |               |             |             |             |
| None                             |                     |                                |                 |               |             |             |             |
| PHOTO NUMBER                     |                     | OBJECT NAME                    | BHO.            | NUMBER        |             | OBJECT N    |             |
|                                  |                     | ODDECT TAME                    |                 | NOMBER        | <del></del> | 00320114    | AME         |
|                                  |                     |                                | Į.              |               |             |             |             |
|                                  |                     |                                |                 |               |             |             |             |
|                                  |                     |                                | Į.              |               |             |             |             |
|                                  |                     |                                | 1               | *             |             |             |             |
|                                  |                     |                                |                 |               |             |             |             |
|                                  |                     |                                | Ì               | }             |             |             |             |
| , GEOGRAPHIC                     | AMES:               | REPORT XX NONE                 | 6. BO           | JNDARY AND    | LIMITS:     | REPOR       | r XX noni   |
| . SUPPLEMENTA                    | L MAPS AND PLA      |                                |                 |               |             | <del></del> |             |
|                                  |                     |                                |                 |               |             |             |             |
| None                             |                     | ·· <u> </u>                    |                 |               |             |             |             |
|                                  | RECORDS (Sketch     | books, etc. DO NOT list data s | submitted to th | e Geodesy Div | ision)      |             | -           |
| . OTHER FIELD                    |                     |                                |                 |               |             |             |             |



NOAA FORM 76-36C (3-72)

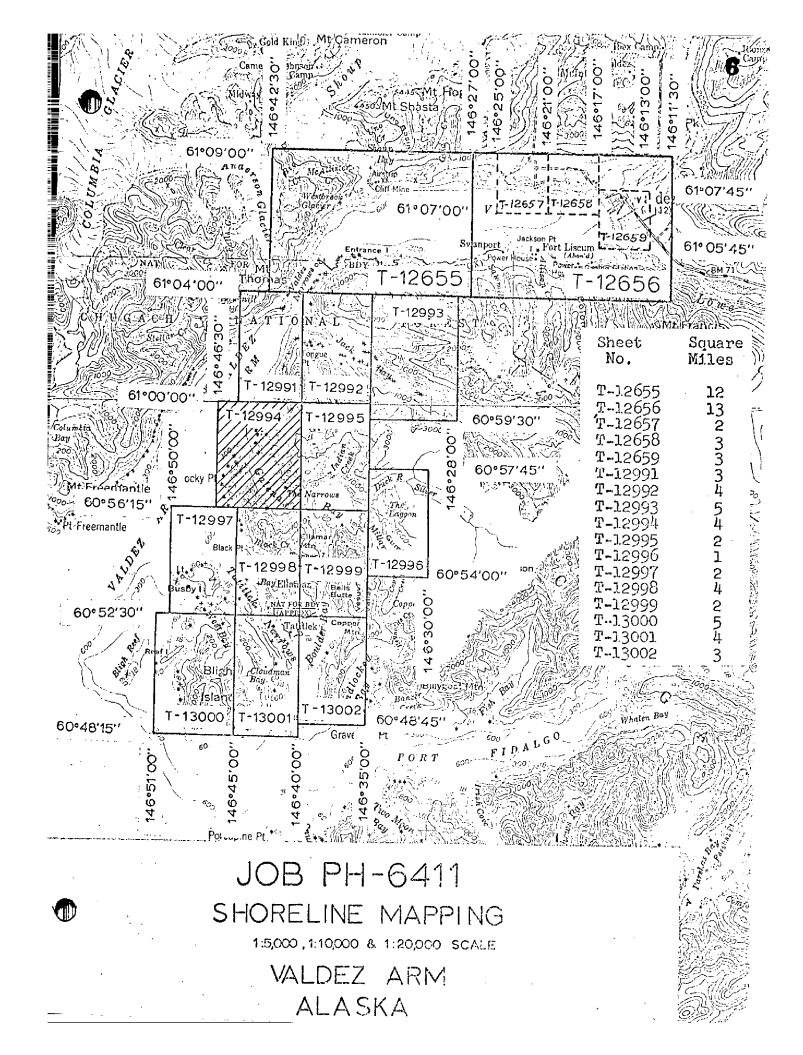
U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY

| . 🔲 FIELD INSPECTI   | ON OPERATION X FIEL   | D EDIT OPERATION (              | Partial)        |                |
|--|---|---------------------------------|-----------------|----------------|
|  | OPERATION   | NAM                             | E               | DATE           |
| . CHIEF OF FIELD PA  | NOAA Ship Davidson)   | M. Fleming                      |                 | May_1974       |
| 17.  | RECOVERED BY  | None                            |                 |                |
| HORIZONTAL CONT  | ROL ESTABLISHED BY  | None                            |                 |                |
|  | PRE-MARKED OR IDENTIFIED BY   | None                            |                 |                |
|  | RECOVERED BY  | NA                              |                 |                |
| . VERTICAL CONTRO  | L ESTABLISHED BY  | NA                              |                 |                |
|  | PRE-MARKED OR IDENTIFIED BY   | NA                              |                 |                |
|  | RECOVERED (Triangulation Stations) BY   | <u>None</u>                     |                 |                |
| LANDMARKS AND<br>AIDS TO NAVIGATIO   | LOCATED (Field Methods) BY  | None                            |                 |                |
|  | IDENTIFIED BY   | None                            |                 |                |
|  | TYPE OF INVESTIGATION   |                                 |                 |                |
| 5. GEOGRAPHIC NAME:<br>INVESTIGATION   | BY  |                                 |                 |                |
| INVESTIGATION  | SPECIFIC NAMES ONLY   |                                 |                 |                |
|  | TYNO INVESTIGATION  | <u> </u>                        |                 |                |
| 6. PHOTO INSPECTION  | CLARIFICATION OF DETAILS BY   | None                            |                 | <del>_</del> _ |
| 7. BOUNDARIES AND L  | MITS SURVEYED OR IDENTIFIED BY  | None                            |                 |                |
| II. SOURCE DATA  | BOL IDENTIFIED  | 2. VERTICAL CONTR               | OL IDENTIFIED   |                |
|  |   |                                 | DE IDEN III IED |                |
| None   |   | NA T                            |                 | <del> </del>   |
| PHOTO NUMBER   | STATION NAME  | PHOTO NUMBER                    | STATION         | DESIGNATION    |
|  |   |                                 |                 |                |
|  |   |                                 |                 |                |
| 3. PHOTO NUMBERS (C  | larification of details)  |                                 |                 |                |
| None   | <u> </u>  |                                 |                 |                |
| None 4. LANDMARKS AND A  | DS TO NAVIGATION IDENTIFIED   |                                 |                 |                |
| None None None   | DS TO NAVIGATION IDENTIFIED   |                                 |                 |                |
| None None None   | DS TO NAVIGATION IDENTIFIED   | PHOTO NUMBER                    | OBJE            | CT NAME        |
| None 4. LANDMARKS AND A  | DS TO NAVIGATION IDENTIFIED   | PHOTO NUMBER                    | OBJE            | CT NAME        |
| None None None   | DS TO NAVIGATION IDENTIFIED   | PHOTO NUMBER                    | OBJE            | CT NAME        |
| None None None   | DS TO NAVIGATION IDENTIFIED   | PHOTO NUMBER                    | OBJE            | CT NAME        |
| None None None   | DS TO NAVIGATION IDENTIFIED   | PHOTO NUMBER                    | OBJE            | CT NAME        |
| None None None   | DS TO NAVIGATION IDENTIFIED   | PHOTO NUMBER                    | OBJE            | CT NAME        |
| None None None   | DS TO NAVIGATION IDENTIFIED   | PHOTO NUMBER                    | OBJE            | CT NAME        |
| None LANDMARKS AND AI None   | DS TO NAVIGATION IDENTIFIED  OBJECT NAME  | PHOTO NUMBER  6. BOUNDARY AND L |                 |                |
| None None None Photo number  | OBJECT NAME  S: REPORT NONE   |                                 |                 | CT NAME        |
| None None None PHOTO NUMBER  S. GEOGRAPHIC NAME 7. SUPPLEMENTAL MA                       | OBJECT NAME  OBJECT NAME  S: REPORT Y NONE  PS AND PLANS  |                                 |                 |                |
| None  LANDMARKS AND AI  None  PHOTO NUMBER  S. GEOGRAPHIC NAME                           | OBJECT NAME  OBJECT NAME  S: REPORT Y NONE  PS AND PLANS  |                                 |                 |                |
| None  LANDMARKS AND AL  None  PHOTO NUMBER  S. GEOGRAPHIC NAME  7. SUPPLEMENTAL MA  None | OBJECT NAME  OBJECT NAME  S: REPORT Y NONE  PS AND PLANS  | 6. BOUNDARY AND L               | IMITS: RE       |                |
| None  None  None  None  S. GEOGRAPHIC NAME  None  None                                   | OBJECT NAME  OBJECT NAME  S: REPORT NONE  PS AND PLANS  ORDS (Sketch books, etc. DO NOT list data submi | 6. BOUNDARY AND L               | IMITS: RE       |                |
| None None None None S. GEOGRAPHIC NAME None None None 1. OTHER FIELD RECC                | OBJECT NAME  OBJECT NAME  S: REPORT NONE  PS AND PLANS  | 6. BOUNDARY AND L               | IMITS: RE       |                |

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

T-12994

| ļ  | RECORD OF SURVEY USE              |                   |  |  |             |              |               |               |                 |
|--|-----------------------------------|-------------------|--|--|-------------|--------------|---------------|---------------|-----------------|
| I. MANUSCR   | IPT COPIES                        |                   |  |  |             |              |               |               |                 |
| \<br>  | Col                               | MPILATION STAGE   | s                                      | <del></del>                                      |             | DATE MAN     | NUSCRI        | T FORW        | ARDED           |
| 0.   | ATA COMPILED                      | DATE              | RE                                     | MARKS  |             | MARINE CH    | ARTS          | HYDRO S       | UPPORT          |
|  | ion complete, field edit          | Apr. 1972         | Class I<br>Superse                     |  |             | None         |               | Apr.          | 1972            |
|  | field edit applie<br>ion complete | d<br>Dec. 1974    | Advance                                | d Class I  | III         | Mar. 19      | 977           | Dec.          | 1974            |
| Final Re   | víew, Class III                   | July 1984         | Final C                                | lass III   | Map         |              |               |               |                 |
|  |                                   |                   |  |  |             |              |               |               |                 |
| <del></del>  | RKS AND AIDS TO NAVIGA            | <del></del>       | ······································ |  |             |              |               |               |                 |
|  | RTS TO MARINE CHART DI            | VISION, NAUTICAL  | DATA BRANCH                            |  |             |              |               |               |                 |
| (Pages)  | CHART LETTER<br>NUMBER ASSIGNED   | DATE<br>FORWARDED |  |  | REMA        | ARKS         |               | <u> </u>      |                 |
| 1  |                                   |                   | Aid to b                               | e charted  | 1           |              |               |               |                 |
|  |                                   |                   |  |  |             |              |               |               | :               |
|  |                                   | <del> </del>      | ,                                      |  |             |              |               | <del></del> - |                 |
|  |                                   |                   |  |  |             |              | <del></del> - | <del>.</del>  |                 |
|  |                                   |                   |  |  | <del></del> | <del> </del> | ·             |               |                 |
|  | <del></del>                       |                   |  |  |             |              |               |               |                 |
| 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. XX BRIDGING PHOTOGRAPHS; XX DUPLICATE BRIDGING REPORT; XCOMPUTER READOUTS.  2. XX CONTROL STATION IDENTIFICATION CARDS; TORM NOS 567 SUBMITTED BY FIELD PARTIES.  3. X SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  ACCOUNT FOR EXCEPTIONS: |                                   |                   |  |  |             |              |               |               |                 |
| 4 🗀 0  | ATA TO FEDERAL RECOR              | IDS CENTER DAT    | F FORWARDED                            |  |             |              |               |               |                 |
|  | <del></del>                       |                   |  | n aditio - in                                    |             |              |               |               |                 |
| IT. JURTET   | SURVEY NUMBER                     | JOB NUMBE         |  | p agricon 16 16                                  |             | TYPE OF SU   | RVEY          |               |                 |
| SECOND   | TP                                | (2) PH            |  | [  | REV         |              | RES           | JRVEY         |                 |
| EDITION  | DATE OF PHOTOGRAPH                | Y DATE OF FI      | ELD EDIT                               | <br>□#.  | D111.       | MAP CLA      | ss<br>□v.     | ☐ FIN         | A.L             |
|  | SURVEY NUMBER                     | JOB NUMBE         | R                                      | <del>                                     </del> |             | YPE OF SU    | _             |               |                 |
| THIRD  | те                                | (3) PH            |  |  | REV         | ISED         | RESI          | JRVEY         |                 |
| EDITION  | DATE OF PHOTOGRAPH                | Y DATE OF FI      | ELD EDIT                               |  | □m.         | MAP CLAS     | ss<br>□v.     | FINA          | <u>ا</u><br>الم |
| <del></del>  | SURVEY NUMBER                     | JOB NUMBE         | R                                      |  |             | YPE OF SU    | RVEY          |               |                 |
| FOURTH   |                                   | (4) PH            |  |  | REV         | ISED         | RESÚ          | RVĖγ          |                 |
| EDITION  | DATE OF PHOTOGRAPH                | Y DATE OF FI      | ELD EDIT                               | <b>□</b> 11.                                     | □m.         | MAP CLA      |               | □ PIN         | ,,              |



#### SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-12994

This 1:10,000 scale final Class III shoreline map is one of seventeen maps that comprise project PH-6411, Valdez Arm, Alaska. The project consists of two 1:20,000, three 1:5,000 and twelve 1:10,000 scale maps. The project originally pertained to the Port Valdez area but was extended south to include the east shore of Valdez Arm and Tatitlek Narrows.

The purpose of this map was to provide shoreline data in support of hydrographic operations.

This map portrays the shoreline along a portion of Valdez Arm and includes the entrance to Galena Bay.

Photo coverage for this map was adequately provided by 1:30,000 scale panchromatic and 1:15,000 scale color photographs. All photography was taken July 6, 1965 with the RC-8 (L) camera. The panchromatic photographs were used for aerotriangulation, compilation and photo-hydro support. The low altitude color photographs were used to assist the compiler in offshore interpretation. They were also ratioed to map scale and used to graphically compile low water features.

Field work prior to compilation consisted of the recovery, establishment, and identification (premarking) of horizontal control necessary for aerotriangulation. Also, the field party was responsible for assisting in obtaining the aerial photography. This activity was performed in June/July 1965.

Analytic aerotriangulation was adequately provided by the Washington Science Center November 3, 1965. This activity also included ruling the base manuscripts and providing ratio photographs for compilation.

Compilation by interpretation of the 1:30,000 scale photographs was performed at the Coastal Mapping Section, Atlantic Marine Center, April 1972. The 1:15,000 scale color photographs, taken at 1.8 feet above MLLW, were ratioed to map scale and were used graphically to delineate the MLLW line. Photo-hydro support data involving the original Class III manuscript was forwarded to the hydrographer.

A partial field edit was conducted May 1974 by hydrographic personnel assigned to the NOAA Ship DAVIDSON. The area field edit was confined to the navigable area survey limits of H-9422. Field edit did not include verification of shoreline or alongshore compilation, but primarily was involved with locating offshore rocks and ledge limits. This data was returned to the coastal mapping office and applied to the manuscript in December 1974. A copy of the advanced Class III manuscript was forwarded to the hydrographic processing unit for smooth sheet application.

Final review was performed at the Atlantic Marine Center July 1984. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch.

T-12994

This Descriptive Report contains all pertinent information used to compile this Final Class III map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.

# FIELD INSPECTION T-12994

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery, establishment and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project.

Project 21423(4) Valdez, Alaska June, 1965

All horizontal control stations required for photo control were identified with the exception of CROMBIE, 1941 (T-12656). This station was on a high ridge still covered with considerable snow. Identification would probably have been doubtful. Station FILL (temporary) was established by tellurometer traverse and its substitute stations are identifiable on the same flight line of photographs that would cover CROMBIE. Station PIT (temporary) was determined by triangulation methods. Stations PIT and FILL replaces VALDEZ SOUTHEAST BASE, 1941 and VALDEZ NORTHWEST BASE, 1941.

Station MAS (temporary) (t-12655) was determined by triangulation intersection methods. Station SPIT 2 (temp.) was determined by triangulation methods to replace station SPIT, 1901.

Station HUT 3, 1965 was identified in lieu of station HUT 2 which was reported lost. The unadjusted field position was not available at the time of identification as the geodetic party had only recently occupied the station.

Submitted:

Robert B. Melby

Approved:

John B. Watkins, Jr.

Chief of Party

# Project 21423(11) Tatilek Narrows, Alaska June 1965

All horizontal control stations required for photo control were identified and paneled. Two new stations were located by triangulation intersection methods and six by closed loop tellurometer traverse.

Station MAS (temp.) was located and its position is submitted with the Valdez, Alaska field data, project 21423(4). The recovery note for HUT3, 1965 was also submitted with the Valdez field data.

Submitted:

Ram

Robert B. Melby

Approved:

John B. Watkins, Jr., CDR, C&GS Comdg., Ship HODGSON

# Photogrammetric Plot Report Tatitlek Narrows, Alaska Job PH-6411

### 21. Area Covered

The project covers the east shore of Valdez Arm and all of Tatitlek Narrows area. The T-sheets in this area are: T-12991 through 12999 and T-13000 through T-13002.

### 22. Method

Six bridges were run on the stereoplanigraphs and adjusted by IBM 1620 methods. All tie points between strips were averaged. Tie points were also established in the area of Port Valdez Bay; to be bridged at a later date.

# 23. Adequacy of Control

The premarked control provided was adequate with the exception of BUSBY, 1942. The panels at this station blended into the background on the black and white photograph and could not be seen. The overhang and shadows of trees also made it difficult to see Busby Island Lt., 1947, which was in the immediate vicinity of BUSBY, 1942.

Strip #12 was based on a three point solution using stations JACK, 1901, OVAL, 1965 and SLIM, 1965. Stations OVAL and SLIM were established with very slim angles and no means of checking their accuracy was available. Although adjustment held all three stations with small errors of closure, an error may still exist in the area of Jacks Bay.

All additional control held within National Map Accuracy Standards for 1:10,000 scale mapping.

# 24. Supplemental Data

USGS Quads, Cordova D-8 and Valdez A-8, scale 1:63,360 were used to provide baisc vertical control for bridging operations.

# 25. Photography

Photography was adequate in coverage, overlap and definition.

# 26. Plotting Constants

Plotting constants for 1:10,000 scale manuscripts were provided for all bridge points.

# 27. Ratios

Ratios for 1:10,000 scale photography were provided for all strips.

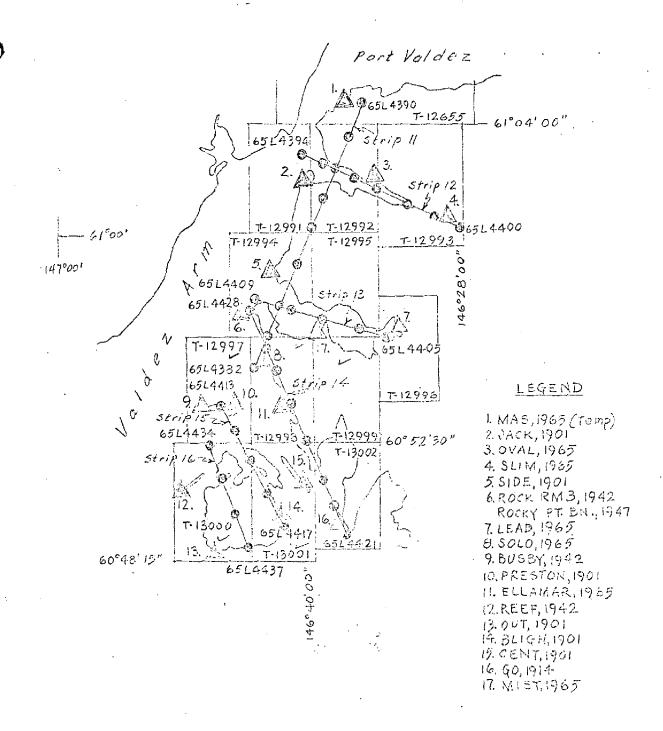
Submitted by:

Wallace Heinbaugh

Wasser 3, 1965

Approved by:

John D. Perrow, Jr.



TATITLEK NARROKS, ALASKA PH-6411

Nov. 1965

|                               |                      |                        | U  |                            |                          |   |
|-------------------------------|----------------------|------------------------|--|----------------------------|--------------------------|---|
| NOAA FORM 76-41<br>(6-75)     |                      | VITAIROSSO             | CRIPTIVE REPORT CONTROL RECORD                         | 1                          | U.S. DEPARTM             | U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION |
| CN d & N                      | JOB No.              | VESCINI III            | GEODETIC DATUM   |                            | ORIGINATING ACTIVITY CAN | Contain Manning   |
| T-12994                       | PH-6411              | 11                     | NA 1927  | Division,                  | 7                        | star mapping<br>olk, Virginia   |
| MAN NOTATION                  | SOURCE OF            | AEROTRI-<br>ANGULATION | COORDINATES IN FEET STATE ALASKA                       | GEOGRAPHIC POSITION        |                          | REMARKS   |
|                               | (x)                  | NUMBER                 | ZONE 3   |                            | FORWARD                  | BACK  |
| 1                             | G.P. Vol VI          |                        | **   | \$ 60 58 55.508            | 1718.1                   | (1,96,1)  |
| SIDE, 1901                    | 2                    |                        | zh.  | λ 146 43 38.951            | 51 585.8                 | (316.5)   |
|                               | G.P. Vol VI          |                        | <i>=</i> χ   | φ 60 57 55.729             | 29 1725.0                | (132.2)   |
| GALE, 1901                    |                      |                        | =1   | x 146 44 42.376            | 76 637.6                 | (265.2)   |
| -                             | G.P. Vol VI          |                        | **X  | ♦ 60 57 28.09              | 9.69.5                   | (987.7)   |
| GALE 1, 1901                  |                      |                        | =ĥ   | 1 146 43 50.34             | 4 757.6                  | (145.5)   |
| ,                             | G.P. Vol VI          |                        | -χ   | ∮ 60 58 01.93              | 13 59.7                  | (1797.5)  |
| GALE 2, 1901                  |                      |                        | h=   | γ 146 43 04.56             | 68.6                     | (834.2)   |
| 1                             | G.P. Vol VI          |                        | <i>-</i> χ   | \$\phi\$ 60 57 23.71       | 733.9                    | (1123.3)  |
| dale 4, 1901                  |                      |                        | y*   | λ 146 42 05.20             | 78.3                     | (824.8)   |
|                               | G.B. Vol VI          |                        | χε   | \$ 60 56 37.97             | 1175.3                   | (681.9)   |
| GALE 6, 1901                  | P. 141               |                        | zħ.  | λ 146 40 30.58             | 460.4                    | (443.1)   |
|                               |                      |                        |  | <pre>\$ 60 57 04.128</pre> | 28 127.8                 | (1729.4)  |
| noce, 1901                    | ь.<br>Э              |                        | ys   | λ 146 45 58.876            | 176 886.3                | (16.9)  |
| Destroyed                     | G.P. Vol VI-         |                        | <i>=</i> χ   |                            | 134.0                    | - (-1-723-2-)   |
| TACE TOTAL DESCRIPTION 1-1/41 | - <del>P. 66</del> - |                        | d≈   | λ 146 45 58,056            | 956873-9                 | - (29.3)  |
|                               | N - 1                |                        | . , , , , , , , , , , , , , , , , , , ,                | Φ                          |                          |   |
| LENA, 1905                    | no rear ou           |                        | l) e   | γ                          |                          |   |
|                               |                      |                        | x= 2,537,562.2   | ф                          | 2562.2                   | (2437.8)  |
| MISI, 1902                    | Readout -<br>Bridge  | · · ·                  | y= 379,970.8   | γ                          | 8*0/67                   | (29.2)  |
| COMPUTED BY A. C. Rauck, Jr   | ١.                   | DATE<br>2/08/72        |  | F. Margiotta               | DATE                     | 2/08/72   |
|                               |                      | 1                      |  | ŧ .                        | DATE                     |   |
| HAND PLOTTING BY              |                      | DATE                   | HAND PLOTTING CHECKED BY                               |                            | DATE                     |   |
|                               |                      | SUPERSEDES NO          | RSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE | CH IS OBSOLETE.            | Page 1                   | of 2  |

Page 1 of 2

| NOAA FORM 76-41          |                        |                        |  | U.S. DEPARTMENT OF COMMERCE NATIONAL OCFANIC AND ATMOSPHERIC ADMINISTRATION | S. DEPARTMENT OF | COMMERCE  |
|--------------------------|------------------------|------------------------|--|---|------------------|-----------|
| (6-75)                   |                        | DESCRIPTIV             | RIPTIVE REPORT CONTROL RECORD                          |   |                  |           |
| MAP NO. T-12994          | PH-6411                |                        | GEODETIC DATUM<br>NA 1927                              | ORIGINATING ACTIVITY  | Coasta           | L Mapping |
|                          | SOURCE OF              | AEROTRI-<br>ANGULATION | COORDINATES IN FEET                                    | GEOGRAPHIC POSITION   | REMA             | KS        |
| STATION NAME             | INFORMATION<br>(Index) | POINT<br>NUMBER        |  |   | FORWARD          | BACK      |
|                          | IBM                    |                        | y= 2,540,369.0   | 0   | 369.0            | (4631.0)  |
| HOCK, K.M. 3, 1942       | Reacout -<br>Bridge    |                        | x= 363,739.6   | γ   | 3739.6           | (1260.4)  |
|                          |                        |                        | -χ   | ф   | <del>-</del>     | -         |
|                          |                        |                        | y=   | ٧   |                  |           |
|                          |                        |                        | <b>-</b> χ   | •   |                  | · · ·     |
|                          |                        |                        | y=   | γ   |                  |           |
|                          |                        |                        | = <b>x</b>   | φ   |                  |           |
|                          |                        |                        | h=   | ۲   |                  |           |
|                          |                        |                        | =X   | ф   |                  | :         |
|                          |                        |                        | <i>-h</i>  | γ   |                  |           |
|                          |                        |                        | <b>⇒</b> X   | ф   |                  | ,         |
|                          |                        |                        | ή=   | γ   |                  |           |
|                          |                        |                        | <b>χ</b> =   | ф   | <del></del>      |           |
|                          |                        | i                      | ĥ:   | γ   |                  |           |
|                          |                        |                        | =X   | •   | <u></u>          |           |
|                          |                        |                        | <i>y</i> =   | γ.  |                  |           |
|                          |                        |                        | χ=   | <del>0</del>  | <del></del> -    |           |
|                          |                        |                        | n=h  | Y   |                  |           |
| 770                      |                        |                        | =X   | ф   |                  |           |
|                          |                        |                        | <i>h</i> =   | γ   |                  |           |
| COMPUTED BY A. C. Rauck, | Jr.                    | 2/68/72                | COMPUTATION CHECKED BY                                 | F. Margiotta  | DATE 2/08/72     | /72       |
| }                        |                        | DATE                   | LISTING CHECKED BY                                     |   | DATE             |           |
| HAND PLOTTING BY         |                        | DATE                   | HAND PLOTTING CHECKED BY                               |   | DATE             |           |
|                          |                        | SUPERSEDES NO          | SEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE. | CH IS OBSOLETE.   | Page'2 of        | 2         |
|                          |                        |                        |  |   |                  |           |

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#### COMPILATION REPORT T-12994

#### 31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. The Wild B-8 plotter was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:30,000 scale bridging/compilation panchromatic photographs.

Color photographs at 1:15,000 scale were provided to assist in photo interpretation of the compilation photography. They were also used to graphically delineate alongshore and offshore detail.

All photographs used to compile this map are listed on NOAA Form 76-36B. The photography was adequate.

#### 32 - CONTROL

Refer to the Photogrammetric Plot Report dated November 3, 1965.

#### 33 - SUPPLEMENTAL DATA

None.

#### 34 - CONTOURS AND DRAINAGE

Contours are not applicable to this project. Drainage was compiled by office interpretation of the photographs.

#### 35 - SHORELINE AND ALONGSHORE DETAILS

The MHW line was compiled from office interpretation of the 1:30,000 scale compilation photographs. Alongshore detail was compiled using both the panchromatic and color photographs as described in item #31.

#### 36 - OFFSHORE DETAILS

Offshore detail was compiled by instrument and graphic methods as described in item #31. The 1:15,000 color photographs were ratioed to map scale and were used to graphically compile the approximate MLLW line and ledge limits. This compilation of low water features was restricted to only three maps (T-12991, T-12992, T-12994) based on the color ratio photos provided.

#### 37 - LANDMARKS AND AIDS

One navigational aid was photo verified and submitted for field edit.

#### 38 - CONTROL FOR FUTURE SURVEYS

None.

#### 39 - JUNCTIONS

Refer to the Date Record Form 76-36B, Item 5. A MLLW line was not compiled on adjoining map T-12998. See Item #36 for remarks concerning the delineation of this feature.

#### 40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to the Photogrammetric Plot Report dated November 3, 1965.

#### 46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U.S.G.S. Quadrangle: Cordova, (D-8), Alaska, dated 1952, scale 1:63,360.

#### 47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following U.S. Coast and Geodetic Survey Chart: 8519, 8th edition, dated May 17, 1965, scale 1:79,291.

#### ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

#### ITEMS TO BE CARRIED FORWARD

None.

Submitted by

Jen 1 Hand

F. Margiotta

Cartographic Technician

April 1972

Approved,

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

#### ADDENDUM TO THE COMPILATION REPORT

T-12994

#### FIELD EDIT

A very small portion of field edit was accomplished for this map in conjunction with Hydro Survey H-9422. Actually, the original Class III delineation was not verified. Since the contemporary hydro survey was a navigable area survey, it was not concerned with shoreline detail. Primarily, the field edit activity involved the location of offshore rocks along Valdez Arm.

Partial field edit was applied from 1:20,000 scale photo reduction of manuscript and abstract of fixes included in the Field Edit Report. Fixes were taken with MiniRanger gear primarily, although sextant fixes were also given, with a few exceptions, for comparison. In general, the MiniRanger arcs failed to define a specific point but scribed open triangles as large as 20 meters. All sextant fixes for T-12991, T-12992 and T-12994 were computer plotted on an overlay and transferred to the appropriate manuscript. The large distances between hydro signals made the use of a 3-leg protractor impractical. The compilation photography was not in the office at the time field edit was applied, so the actual delineation of two reefs at Latitude 60°58' is still in question. Several questions asked on the field edit ozalid remain unanswered, and the Galena Bay area was not edited.

FIELD EDIT REPORT
OPR-999 1974

HYDROGRAPHIC SURVEY # H-9422
Field Number DA-20-1-74

by NOAA Ship DAVIDSON

. N.H. Fleming, COMDG

### 1. INTRODUCTION

Field editing was not a requirement for this navigable area survey of Valdez Arm, from Rocky Point in the south to a mile north of Entrance Point day beason in Prince William Sound. In spite of the fact that there was no requirement, it was decided to quickly check the shoreline for major discrepancies of off-lying rocks that would be a hazard to navigation in this area. This generally consisted of obtaining fixes at the limit of reefs, islands, and points which extended to seaward. Also, no final shoreline plot was available of the area from Sawmill Bay to one mile north of Potato Point. This area is covered on T-12991, and a final (field) plot of the shoreline was made by taking fixes and simultaneous sketches of the beach; then later piecing this data together to obtain the high water line, rocks, bluffs and low water line. (See Section 2 for further explanation of this technique.)

#### 2. METHODS

The shoreline plotted on the final smooth boat sheet came from following sheets:

| TP-00264 | Sawmill Bay, Alaska (paper Ozalid) |
|----------|------------------------------------|
| T-12991  | Potato Point, Alaska               |
| T-12994  | Galena Bay, Alaska                 |
| T-12992  | Entrance Point, Alaska             |

TP-00264 was a 1:20000 scale manuscript; whereas, the three T-sheets listed were initially drawn at 1:10,000 and photo-reduced to 1:20,000, which enabled us to use them directly to trace the shoreline onto the position and sounding overlays and to plot fixes. (All position information has been denoted on these four sheets in violet ink.)

The eastern shore of Valdez Arm was edited conventionally, using threepoint sextant fix for control. Triangulation stations were used as objects for all these fixes (numbers 3 through 40). A somewhat different approach was taken on the western side. Mini-Ranger III by Motorola, a range-range electronic navigator, as well as sextant angles, were used for fixes 2001 to 2053. The mini-ranger navigator was mounted in an 18' Monarch aluminum skiff with an 85 horsepower outboard. The antenna was placed atop a ten foot 2X4 which was stayed-down to the corners of this square skiff, and two 12 volt car batteries were used for power. This skiff had draft of about 2.2 feet with the engine down and about 1.3 feet with the engine up, and this includes three people necessary for the operation. To take a fix with the mini-ranger gear, the skiff would be driven to the rock, bluff, low water line, or reef in question; and then when in position, a "hold display" button depressed on the navigator would "freeze" the two ranges so they could be copied by the recorder. At the time of the fix, sextant angles were also taken to various triangulation stations. The sextant angles were only meant to provide a solid check on the system and also as

further data with which accuracy of the mini-ranger could be examined (i.e., knowing the accuracy of the sextant fixes).

Plotting of all field edit data was initially done on the 1:20,000 scale boat sheet, position overlay. This was done because none of the T-sheets were large enough to plot all the triangulation, and also the position overlay already had the mini-ranger arcs drawn, as the mini-ranger was used entirely to control hydrography on this sheet. Once the positions (fixes) were plotted on the position overlay, they were then transferred to the appropriate shoreline manuscript. Next the field editor would go back to the smooth boat sheet and draw in the verified or compiled shoreline from these fixes plus sketches and field verification of shoreline features. No plotting or notes were made on the photographs.

Also, another item that was accomplished during the field editing was that all field notes in the form of fixes were "smoothed" out and logged on a homemade form. This was done so that notes would not become useless due to the fact that they could not be interpreted by someone other than the recorder. Also, this form would be an excellent start in plotting field edit positions with a computer-plotter. This form includes the time (all times are Zulu, 0° meridian), Julian Date, position number, a brief description of the feature, and the positional information, whether that be mini-ranger, sextant angles, or both. The data from this form could easily be digitized and, consequently, computer-plotted for quick verification.

#### ACCURACY

A complete analysis of the accuracy of the manuscript or the positional information was not undertaken at this time. Generally 3 to 5 meter discrepancies were found when comparing computed ranges with sextant angles - ranges obtained from the mini-ranger system. No attempt was made to compute differences between the simultaneous sextant cuts and mini-ranger fixes; however, the data for this is being inserted in this report for further development.

# 4. ADEQUACY OF COMPILATION

The manuscript appears to be adequate except, of course, in the area where no shoreline was available. Positions taken at high water and low water agree very well with those shown on the T-sheets. Again it is emphasized that a complete field edit job was not the intent, but simply a check of any overlooked rocks, ledges, and the delineation of the shoreline north of Sawmill Bay.

#### RECOMMENDATIONS

There are several recommendations I would like to suggest:

- a. Complete shoreline manuscript of the area from Sawmill Bay north should be photogrammetrically compiled.
- b. Make a computer plot of fixes; then compare these with the manuscript. I feel that my numbers are more accurate than the method in which they were plotted (i.e., with odeyssey and 3-arm protractors).
- c. The paper Ozalids are very prone to destruction when inundated by water, namely rain. The Alaskan climate is very wet, plus the fact that field edit on the DAVIDSON in Alaska is entirely done from a skiff which is further susceptible to salt spray. This paper becomes impossible to work with when even the slightest bit wet. Is there a better surface?
- d. As an aid in determining the accuracy of the mini-ranger for use in field edit applications, the given data could be analyzed.

Submitted by

John L.Uswald Ltjg NOAA

Ltjg NOA

#### REVIEW REPORT T-12994 SHORELINE

#### 61. GENERAL STATEMENT

Final review for this final Class III map was accomplished at the Atlantic Marine Center in July 1984. For a schedule of the office and field operations, refer to the Summary included in this Descriptive 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 Cordova (D-8), Alaska, dated 1952, 1:63,360 scale.

#### 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a registered copy of contemporary hydrographic survey H-9422, 1:20,000 scale, field surveyed in 1974.

A small portion of field edit was accomplished by the hydrographer to that area common to the hydrographic (navigable area) survey limits. Field edit primarily consisted of locating offshore rocks and ledge limits by hydrographic survey methods. Field edit did not include verification of shoreline nor alongshore compilation,

#### 65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Charts: 16708, scale 1:79,291, 16th edition, dated October 3, 1981; and 16707, scale 1:40,000, 3rd edition, dated February 27, 1982.

#### 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.

Jerry L. Hancock

Final Reviewer

Gen I. Hansoch

Approved for forwarding,

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch

Rockville

# GEOGRAPHIC NAMES:

# FINAL NAME SHEET

PH-6411 (Valdez Arm - Tatitlek Narrows, Alaska)

# TP-12994

Galena Bay

Rocky Point

Valdez Arm

Approved by:

Charles E. Harrington Chief Geographer Nautical Charting Division

HYDROGRAPHIC PARTY

GEODETIC PARTY

COMPILATION ACTIVITY

FINALITY CONTROL & REVIEW GRP.

COAST PILOT BRANCH

See reverse for responsible personne!) AFFECTED CHARTS 16708 16700 16707 ORIGINATING ACTIVIT Position field determined in Survey H-9422 <del>conjunction</del> with Hydro METHOD AND DATE OF LOCATION (See instructions on reverse side) FIELD U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
UNIT Sept. 1983 OFFICE Not Vis been inspected from seaward to determine their value as landmarks.

SURVEY NUMBER D.P. Meters 58.955 887.5 LONGITUDE 45 Valdez Arm 146 0 POSITION D.M. Meters 04.034 124.9 LATITUDE NA 1927 57 09 0 Rocky Point Light 1974 (Field Position) Show triangulation station names, where applicable, in parentheses) Alaska DESCRIPTION (Record reason for deletion of fandmark or sid to navigation. T-12994 REPORTING UNIT (Field Party, Ship or Office) (Coastal Mapping Div. AMC, Norfolk, VA The following objects HAVE X HAVE NOT OPR PROJECT NO. JOB NUMBER PH-6411 Replaces C&GS Form 567 X TO BE CHARTED TO BE DELETED TO BE REVISED OPR-999, 1974 CHARTING NAME LIGHT



D

|  | RESPONSIBLE  | RESPONSIBLE PERSONNEL   |   |
|--|--|---|---|
| TYPE OF ACTION   | AX   | NAME  | ORIGINATOR  |
| OBJECTS INSPECTED FROM SEAWARD   | M. Fleming   | ,   | PHOTO FIELD PARTY  MY HYDROGRAPHIC PARTY  GEODETIC PARTY  OTHER (Specify)   |
| CONTRACTOR AND VEDICIES  | J. Oswald  | -   | FIELD ACTIVITY REPRESENTATIVE   |
| TOST TOWN DETERMINED AND/ON VENITIED   | C. Blood   |   | OFFICE ACTIVITY REPRESENTATIVE  |
| FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES   |  |   | REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE  |
|  | INSTRUCTIONS FOR ENTRIES UNDER (Consult Photogramme  | FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64,   |   |
| OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the ubject.  EXAMPLE: 75E(0)6042 8-12-75  | CATED OBJECTS e (including month, otograph used to ubject.   | FIELD (Cont'd)  B. Photogrammetric field entry of method of lodate of field work an graph used to locate EXAMPLE: P-8-V 74L(C)2982  | (Cont'd) Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photo- graph 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 L - Located Vis - Visually V - Verified 1 - Triangulation 5 - Field identified 2 - Traverse 6 - Theodolite 3 - Intersection 7 - Planetable 4 - Resection 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods. | ON DETERMINED OR VERIFIED applicable data by symbols as follows: P - Photogrammetric Vis - Visually ed julation 5 - Field identified section 7 - Planetable ion 8 - Sextant ositions* require entry of method of in and date of field work. F-2-6-L 8-12-75 NS are determined by field obser- entirely upon ground survey methods. | <pre>II. TRIANGULATION STATION RECOVERED    When a landmark or aid which is also a tri- angulation station is recovered, enter 'Tri Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75  III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V+Vis.' and date. EXAMPLE: V-Vis. 8-12-75  ***PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</pre> | TRIANGULATION STATION RECOVERED When a landmark or aid which is also a tri- angulation station is recovered, enter 'Triang. Rec.' with date of recovery.  EXAMPLE: Triang. Rec. 8-12-75  POSITION VERIFIED VISUALLY ON PHOTOGRAPH ENTER 'V+Vis.' and date. EXAMPLE: V-Vis. 8-12-75  TOGRAMMETRIC FIELD POSITIONS are dependent irely, or in part, upon control established photogrammetric methods. |
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NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSOLETE, AND Existing stock should be destroyed upon receipt of revision, な U.S.GP0:1975-0-665-080/1155



#### NAUTICAL CHART DIVISION

#### RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

#### INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart

1. Letter all information.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Re-

| CHART | DATE          | CARTOGRAPHER                          | REMARKS  |
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