8946

Diag. Cht. No. 8201-3.

Form 504

U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

| DESCR | RIPTIVE REPORT |
|------------------|---|
| | HYDROGRAPHIC -2-67 Office No. H-8946 |
| | LOCALITY |
| State | ALASKA |
| General locality | CLARENCE STRAIT |
| Locality | WHALE PASSAGE |
| ` | 1967 |
| | CHIEF OF PARTY |
| | Wayne L Mobley |
| LIE | BRARY & ARCHIVES |
| DATE | 10-22-70 |

USCOMM-DC 5087

| FORM C&GS-537 U.S. DEPARTMENT OF COMME (8-66) ENVIRONMENTAL SCIENCE SERVICES ADMINISTRA COAST AND GEODETIC SUF | TION REGISTER NO. |
|---|------------------------------------|
| HYDROGRAPHIC TITLE SHEET | H-8946 |
| INSTRUCTIONS - The Hydrographic Sheet should be accompanied by this for filled in as completely as possible, when the sheet is forwarded to the Offic | |
| State ALASKA, SOUTHEASTERN | |
| General locality CLARENCE STRAIT | |
| Locality Whale Passage | |
| Scale 1:10,000 Date of | survey 4/24/67 through 6/8/67 |
| Instructions dated 2/1/67 Project | : No. <u>OPR-465</u> |
| uscages Lester Jones & Motor | Launch 1192 |
| Chief of party LCDR W.L. Mobley | |
| Surveyed by W.L. Mobley, M.H. Fleming, J. | L. Heagle |
| Soundings taken by echo sounder, hand lead, protec DE 723 | |
| Graphic record scaled by Ships Personnel | |
| Graphic record checked by Ships Personnel | |
| Protracted by Aut | omated plot by PMC Digital Plotter |
| Soundings penciled by | |
| oundings in fathoms for at MALTY MLLV | |
| REMARKS: | |
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| | |
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| | |

DESCRIPTIVE REPORT

To Accompany

HYDROGRAPHIC SURVEY H-8946 (FIELD LJ-10-2-67)

WHALE PASSAGE CLARENCE STRAITS S.E. ALASKA

1967

SCALE 1:10,000

USC&GSS LESTER JONES

LCDR WAYNE L. MOBLEY COMMANDING OFFICER

A. PROJECT -

This survey is part of Project OPR-465. Instructions, dated February 1, 1967; Amendment, dated March 15, 1967; Supplements, dated March 31, 1967; and Change, dated June 16, 1967; serve as the authority for this survey.

B. AREA SURVEYED -

The area surveyed is the northern portion of Whale Passage and part of Kashevarof Passage that is east of Thorne Island. The approximate limits of the sheet are from Latitude 56°04.0' to 56°08.5', and from Longitude 132°55.5' to 133°09.5'.

This survey does not make any junctions with surveys completed on or after the year 1922. This sheet junctions with contemporary survey H-8945 (1:10,000) to the south. The survey was accomplished between April 24, 1967 and June 8, 1967.

C. SOUNDING VESSEL -

Motor Launch 1192 was used to obtain all inshore soundings. The color Blue was used to identify all launch work. USC&GSS LESTER JONES was used to obtain deep water soundings and bottom samples. The ship color is Violet.

D. SOUNDING EQUIPMENT -

Soundings were obtained with the Raytheon DE723 Depth Recorder. Critical least depths were verified with the hand-lead. Number 530 Depth Recorder was used on the ship. Number 821 Depth Recorder was used on the Launch.

Corrections for Soundings were determined using a combined bar check - temperature salinity velocity curve. The resulting curve indicates a velocity correction that is applied to the soundings as a function of their depth. The fathometer was checked regularly for phase error. Stylus arm error was also considered and necessary adjustments were made periodically.

E. SMOOTH SHEET -

To date smooth sheet projection has not been made. The grid

will be made at the Pacific Marine Center, using IBM grid cards and the automated X-V plotter.

F. CONTROL -

Horizontal control for all hydrography was maintained by three point sextant fixes on shore signals. These signals were located by the following methods: Previously established triangulation stations, photogrammetry, and sextant cuts. No unusual or substandard situations were encountered throughout the survey. Photogrammetric manuscripts used for transfer of signals are: T-12310, T-12311, T-12312, and T-12313. Signals 279 and 277 were located by sextant cuts.

G. SHORELINE -

Shoreline details were obtained from the preliminary manuscripts used to establish photo-control. The low water line is defined by the soundings in some areas, but in others where the shore was very steep this was impossible. Mean High Water Line was located at most of the signals.

H. CROSSLINES -

The area surveyed was adequately covered with crosslines. All crossings were satisfactory.

I. JUNCTIONS -

Satisfactory junctions were made with contemporary survey H-8945 (1:10,000) 1967.

J. COMPARISON WITH PRIOR SURVEYS -

Pre-Survey Review Items:

Item #18. This feature was most fully developed in Survey H-8945. Two detached positions, Nos. 6001, 6017, on this sheet, however, supplement that information. The sunken ship Pos. No. 6002 is located by this survey.

This survey was, in general agreement with prior surveys. Depths and extent of shoals are better shown by this survey. Shoreline features on this survey are better defined.

K. COMPARISON WITH THE CHART -

This survey was compared with chart 8160, 19 December 1966, 7th Ed. (1:80,000)

Dangers to navigation not apparent on the chart:

- 1. A rock at Lat. 56°08.10' Long. 133°03.65', with a least depth of 1.6 feet at MLLW.
- 2. A rock at Lat 56°06.78' Long 133°03.58' bares 4.5 feet at MLLW.

There was general agreement with the chart; however, some discrepancies were found. A copy of Chart 8160 follows that compares survey items with chart.

L. ADEQUACY OF SURVEY -

The survey is complete enough to supersede prior surveys for charting. Special attention should be paid to shoreline details and rocks along the northern entrance to Whale Passage.

M. AIDS TO NAVIGATION -

There are no aids to navigation within the area of the sheet.

N. STATISTICS -

| Number of Bottom Samples (Ship LESTER JONES) Number of Positions | 65.0 628.0 |
|--|------------------------|
| Nautical Miles of Sounding Line " | , 225.8 |
| Number of Positions (Launch 1192) Miles of Sounding Line " " Number of Positions " " | 2411 380.2 134.0 |
| Area in Square Nautical Miles (excludes land) | 19.0 |
| Temperature & Salinity Observations | |
| Jointly with H-8945 | 2.0 |

O. MISCELLANEOUS -

In reference to number 49., Notes to the Hydrographer

- T 12310: Verification was accomplished within the area of the sheet limits.

 Kashevarof Passage Light was visited and is on an island indicated.
- T-12311: The objects believed to be piles are, in fact, buoys. They have positions of:

Buoy: Lat. 56°06.54' Long. 133°07.05' Buoy: Lat. 56°06.62' Long. 133°07.24' Buoy: Lat. 56°06.69' Long. 133°07.25' Buoy: Lat. 56°06.90' Long. 133°07.34'

A small pier used in logging operations is located at: Lat. 56°06.88' Long. 133°07.26'

plotted as uncovered

T-12312: The light believed to exist at Lat. 56°04'17" Long. 133°04'35" was found to be a sunken boat covered by 5.4 ft. of water at MLLW. Plotted as

T-12313: The existence of kelp at Lat. 56°06'30° Long. 132°55'00" was not verified.

P. RECOMMENDATIONS -

Q. REFERENCES TO REPORTS -

Tides Verified:

Bottom Samples Forwarded:

Manuscript Field Edit Forwarded:

Echo Corrections:

Tides & Currents Branch November 13, 1967 Oceanography Division November 8, 1967 Coastal Mapping, AMC December 26, 1967

TIDE NOTE H-8946

The 1967 Whale Passage tide gage was located on the small island on the northwest side of the South entrance to Whale Passage, Lat 56° 03' 34" N. Long 132° 59' 01" W. Actual tides as recorded by the bubbler

Actual tides as recorded by the bubbler gage at this location are used to reduce soundings for smooth plot. Predicted tides for the area were used to reduce soundings for the boat sheet. All tide observations were in 120° W. time.

TIDE NOTE FOR HYDROGRAPHIC SHEET

11/13/67

Navical Characteristic Pacific Marine Center

Plane of reference approved in for wainangers which have a second of the control of the control

HYDROGRAPHIC SHEET

LJ-10-1-67 H-8945 LJ-10-2-67 H-8946

Locality: Whale Passage, Alaska

Chief of Party: M. H. Fleming, 1967

Plane of reference is mean lower low water

Tide Station Used (Form C&GS-681): Whale Passage, Alaska

Height of Mean High Water above Plane of Reference is as follows:

14.7 feet

Remarks Tide reducers for Day No. 135, 13^h24^m to 18^h19^m have been revised in red and verified.

Chief, Tides end Currents Branch

USCOMM-DC 8680-P64

ECHO CORRECTIONS H-8946

Boat Sheet

Soundings were reduced in accordance with predicted tides for Whale Passage. No velocity or transducer depth corrections were applied to the boat sheet.

Smooth Sheet

Two oceanographic stations were taken in the area of the survey. Their data along with bar check results were combined and correctors resulted that combined velocity and transducer depth in a single corrector.

Date of Oceao. Station

Dates Correctors
Apply

May 8, 1967 June 8, 1967

May 2 to May 18,1967 May 23 to June 8, 1967

NOTE:

Fathometer initial was maintained on zero for the launch work and one fathom for the ship work. Any wavering from these values was compensated for applying the appropriate corrector prior to logging the sounding data for electronic data processing. The logged soundings have been corrected for initial error.

velocity tables H 8946

velocity tape format type no. 2

| 000330 | -00 | 0003 | | | | 000000 | 000000 | | ······································ |
|--------------------------------------|----------------|------------------------------|------|------------------------|---|--------|--|---------------------------------------|--|
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| 000100 000340 000630 000900 | 00 00 00 | 0003 0004 0005 | 0003 | 000 | Ó | 000000 | 000000 | · · · · · · · · · · · · · · · · · · · | |
| 000030 000095 000240 | 00 | 0003 | 0004 | 000 | 0 | 000000 | 000000 | | |
| 000240 | 00 | 0006 | | A MARKET WITH ALL WITH | | | | | |
| | | | | | | | | | |

table no 1

SHIP LESTER JONES MAY 18 (DAY 138) AND PRIOR table no 2

SHIP LESTER JONES MAY 23 (DAY 143) AND AFTER table no 3

LAUNCH 1192 MAY 18 (DAY 138), AND PRIOR

LAUNCH 1192 MAY 23 (DAY 143) AND AFTER

as 2 mp god 180

List of Signals H-8946

NOTE: A BEST, 1916 = 213 A ERN, 1916 = 215 FORM 197 (3-16-55)

8. O. Cinde of High GEOGRAPHIC NAMES Survey No. E С Name on Survey 1 PREPARED BY CARTOGRAPHIC ECHNICIAN APPROVED BY CHIEF GEOGRAPHE

U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY

VERIFIER'S REPORT HYDROGRAPHIC SURVEY, H. H-8946

INSTRUCTIONS - This form serves to identify items of a check list in verification together with items which are separately reported to the Reviewer. The form is not to be forwarded to the Reviewer. A report, which is prepared for the Reviewer, should identify items by number and letter and will be filed in the Descriptive Report until the survey is reviewed.

- CL Check List Items: should be checked as having been completed during the verification processes.
- R . Report Item: This column refers to those items reported to the reviewer and is used to indicate the items discussed.

| Part I - DESCRIPTIVE REPORT | CL | R | Part III - JUNCTIONS (Continued) | CL | R |
|--|----|----------------------------|--|--|----------|
| Note: The verifier should first read the Descriptive Report for general information and problems. | | | Junctions with contemporary surveys were satisfactory except as follows: | | |
| The Descriptive Report was consulted, paragraphs checked if found satisfactory, and notations were made in soft black pencil regarding action taken. Remarks Required: None | 1 | | Remarks Required: Consider conditions after adjustments have been made; note adjustments made. Make special notes of Butt junctions and areas which are SUPERSEDED. | \checkmark | |
| 2. Soundings originating with the survey and mentioned in the Descriptive Report have been verified and checked in soft black pencil, including latitude and longitude, together with position identification. Remarks Required: None | 1 | | Part IV • VOLUMES 11. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken and exceptions noted in the volumes. | / | |
| All reference to survey sheets mentioned in the Descriptive Report should include registry number and year. | 1 | | Remarks Required: None 12. Condition of sounding records was satisfactory | _/ | |
| Remarks Required: None | | | except as follows: | J | |
| Port II - SHORELINE AND SIGNALS 4. Source of shoreline signals Remarks Required: List all surveys a. Give earliest and latest dates of photographs b. Field inspection date c. Field Edit date d. Reviewed-Unreviewed 5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: Discuss remaining differences. 6. The plotting of all triangulation stations, topographic stations and hydrographic signals has been checked and noted in processing stamp No. 42 on the smooth sheet. | 1 | | Remarks Required: Mention deficiencies in completeness of notes or actions for the following: (a) rocks (b) line turns (c) position values of beginning and ending of lines (d) bar check or velocity correctors (e) time recording (f) notes or markings on fathograms (g) was reduction of soundings accurately done? (h) was scanning accurate? (i) were peaks at uneven intervals missed? (j) were stamps completed? | | |
| Remarks Required: None | ļ | | (k) references to adjacent features | | |
| 7. Objects on which signals are located and which fall outside of the high-water line have been described on the sheet. Remarks Required: List those signals still unidentified. | | See Vervitori Report | | 1 | |
| Part III - JUNCTIONS Note: Make a cursory comparison preliminary to inking soundings in area of overlap. 8. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical. | | | 14. The protracting and plotting of all unsatisfactory crossings were verified. Remarks Required: None | 1 | |
| Remarks Required: None 9. The notation in slanted lettering "JOINS H (19)" was added in colored ink for all veri- fied contemporary adjoining or overlapping sheets. Those not verified are shown in pencil. Remarks Required: None | | | 15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: None | 1 / | |
| Land to the second seco | | 1 | USCON | MM-DC | 36272-P6 |

| 16 | ort V - PROTRACTING (Continued) 5. The protracting was satisfactory except as follows: | CL | R | Patt VIII - AIDS TO NAVIGATION 26. All fixed aids located together with those on | CL | T |
|------|---|--------------|---|---|-----------|-------------|
| | Remarks Required: Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments. | / | | the contemporary topographic sheets, have been shown on the survey. Remarks Required: Conflicts of any nature listed. | 1 | |
| . 17 | In the protractor has been checked within the last three months. Remarks Required: Date of check, type of protractor and number. | ✓ | | 27. All floating aids listed in the Descriptive Report should be verified and checked in soft black pencil, including latitude and longitude and position identification. | $\sqrt{}$ | |
| 18. | ort VI - SOUNDINGS All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: None | √ | | Part IX - BOAT SHEET 28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information. | 1 | |
| 19. | Sounding line crossings were satisfactory except as follows: | $ \sqrt{ } $ | | Remarks Required: None | | |
| 20. | Remarks Required: Discuss adjustments. The spacing of soundings as recorded in the records was closely followed; Remarks Required: None | √ | | 29. Heights of rocks awash were correctly reduced and compared with topographic information. Remarks Required: Note excessive conflicts with topographic information. | \int | |
| i | The scanning, reduction, spacing, plotting of questionable soundings have been verified. Remarks Required: None | | | Part X - GENERAL 30. All information on the sheet is shown inaccordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2). Remarks Required: None | / | |
| すること | The smooth plotting of soundings was satisfactory except as follows: Remarks Required: — Refer to legibility, errors in spacing, and errors in numbers - but not to errors in scanning. | 1 | | 31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: None | √ | |
| 23. | The depth curves have been inspected be- fore inking. Remarks Required: By whom was the pen- ciled curves inspected. | 1/6/6 | | 32 Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet. | J | |
| 24. | The low-water line and delineation of shoal areas have been properly shown in accordance with the following: | | | Remarks Required: — None | | |
| | a. From T-Sheet in dotted black lines b. From soundings in orange c. Approximate position of sketched curve is dashed orange | 7 | | 33. The bottom characteristics are adequately shown. Remarks Required: None | 1 | |
| | d. Approximate position of shoal area not sounded in black dashed | | 4 | Part XI - NOTES TO THE REVIEWER | / | |
| | Remarks Required: None | | | 34. Unresolved discrepancies and questionable soundings. | ' | |
| | Depth curves were satisfactory except as follows: (This statement should not refer to the manner in which the curves were drawn). Remarks Required: Indicate areas where curves could not be drawn completely because of lack of soundings. For some inshore areas a general statement is sufficient. | | | 35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy. 36. Supplemental informations | J | > |
| | fied by Smarley M. C. D. | | | Safeks Dome Considera | Ros | _ a |

FORM C&GS-946 (REV. 11-65) (PRESC. BY HYDROGRAPHIC MANUAL 20-2, 6-94, 7-13)

U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY NAUTICAL CHART DIVISION

HYDROGRAPHIC SURVEY STATISTICS HYDROGRAPHIC SURVEY NO. #-8946

| RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered. | | | | | | | | |
|---|------------------|----------------------|--------------|----------------------------|---|---------------------------------------|------------------|-----------------------------------|
| RECORD DESCRIPTION AMOU | | | UNT | JNT RECORD DESCRIPTION | | | AMOUNT | |
| SMOOTH SHEET | \$ PNO | | / | , | BOAT S | SHEETS | | 1 |
| DESCRIPTIVE RI | EPORT | | / | | OVERL | AYS | | 6 |
| DESCRIPTION | DEPTH RECORDS | HORIZ, CO | | PRINT | OUTS | TAPE ROLLS | PUNCHED CARDS | ABSTRACTS/ SOURCE DOCUMENTS |
| ENVELOPES | | | | 1 | | | | |
| CAHIERS | . / | | | | | | | |
| VOLUMES | 14 | | | | | | | |
| BOXES | | | | | *************************************** | | | |
| T-SHEET PRINTS | | _ | | | | | | |
| F- 12 3/6 | . T-12311 | , T-12 1 | 3/2 | ; T-1. | 23/3 | ; T-12481 | 1: T-1240 | 52 |
| | (2.0.) | | | | | | | |
| · · | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| | The following st | OF tatistics will | be su | PROCES bmitted w | SING AC | TIVITIES artographer's repo | rt on the survey | |
| PROCESSING ACTIVITY | | | | | | АМО | UNTS | |
| PROCESSING ACTIVITY | | | PR VERIFI | E- CATION | VERIFICATION | REVIÈW | TOTALS | |
| POSITIONS ON SHEET | | | | | | | 3368 | |
| POSITIONS CHECKED | | | | | 3368 | | | |
| POSITIONS REVISED | | | | | | 64 | | |
| DEPTH SOUNDINGS REVISED | | | | | 2/9 | | | |
| DEPTH SOUNDIN | GS ERRONEOUSLY | SPACED | | | | 16 | | |
| SIGNALS ERRON | EOUSLY PLOTTED | OR TRANSFE | RRED | | | 0 | | |
| | | | | | | TIME (MA | NHOURS) | |
| TOPOGRAP | HIC DETAILS | | | | | 64 | Milours) | |
| JUNCTIONS | | | | | | | | |
| VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS | | | | | 16 30 | | | |
| SPECIAL ADJUSTMENTS | | | | | 0 | | | |
| ALL OTHER WORK | | | | | | | | |
| TOTALS | | | | | 552 | | | |
| PRE-VERIFICATION | • | | | | | 662 BEGINNING DATE | ENDING | DATE |
| VERIFICATION BY | , | | | | | | | |
| CHILICATION BY | ' | Mades | . H. (| 1. his | , | BEGINNING DATE | ENDING | |
| REVIEW BY | | - much | | BEGINNING DATE ENDING DATE | | | | <i>() //, /970</i> Date |

Verifier's Report H-8946

Ε. SMOOTH SHEET

The smooth sheet and position numbers overlay were plotted by the Digital Plotter with all finished work being done by the Verification Branch at the Pacific Marine Center.

F. CONTROL

See Descriptive Report

SHORELINE

Shoreline details were obtained from ADVANCE MANU-A dashed line symbol was used throughout the SCRIPTS. manuscripts, but it is not clear whether this is the limits of the ledge, foul area, or low water line. The symbol is shown, except where it would interfere with soundings, depth curves, or ledges, with supplementary notes.

H. CROSSLINES

See Descriptive Report

I. JUNCTIONS

See Descriptive Report

COMPARISON WITH PRIOR SURVEYS

This survey is in general agreement with prior surveys, H=3940 1:20,000 (1916) and H=3943 1:20,000 (1916).

COMPARISON WITH THE CHART Κ.

This survey was compared with chart 8160, 19 December 1966, 7th Edition, (1:80,000 and chartlet, 31 January, 1970.

Dangers to navigation are not apparent on chart. Shoal at Latitude 56°04.56' Longitude 133°04.95'

with least depth of 4.9 fms. Shoal at Latitude 56°06.80' Longitude 133°03.78' 2. with least depth of 1.9 fms.

Shoal at Latitude 56°06.53' Longitude 133°04.46' with least depth of 1.6 fms.

- 4. Shoal at Latitude 56°06.51' Longitude 133°04.62' with least depth of 1.2 fms.
- with least depth of 1.2 fms.

 5. Shoal at Latitude 56°06.75' Longitude 132°57.77' with least depth of 5.9 fms.
- 6. Rock at Latitude 56°08.06' Longitude 133°02.96' with least depth of 1.5 fms.

MISCELLANEOUS

Mooring buoys (see descriptive report) are not plotted on this survey due to uncertainty of whether they are permanent.

The elevations of the rocky area, latitude 56°04.00' Longitude 132°58'30" are found on H-8945.

The position numbers for the first 110 positions are Northeast of the position dot on the position number overlay.

PART II SHORELINE AND SIGNALS

Signal 220

Respectfully submitted,

Matthew G. Sanders

Cart. Tech.

APPENDIX

K. COMPARISON WITH THE CHART

This survey was compared with Chart 8160, 4 July, 1970, 7th Edition, 1:80,000. A portion of this sheet is provided to supplement some discrepancies.

- Item #1 Shoal at Latitude 56°05.08' Longitude 133° 07.40' with least depth of 1.3 fathoms.
- Item #2 Shoal at Latitude 56°06.85' Longitude 132° 58.25' was not verified during survey.
- Item #3 Shoal at Latitude 56°06.45' Longitude 133° 05.00' is incorrect. See Boatsheet.

The smooth sheet has been inspected, is complete, and meets the requirements of the General Instructions for automated surveys and the Hydrographic Manual. (Note: All exceptions are listed in the Verifier's report.)

Examined and approved

Supervisory Carto. Tech.

Approved and forwarded

10/15/10

K. William Jeffers, OR, NOAA Chief, Processing Division, PMC

| FORM | C&GS-537 |
|------|----------|
| | |

U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY

| RE | GIS | TER | NO. |
|-----|-----|-----|------|
| .,- | | | 170. |

HYDROGRAPHIC TITLE SHEET

H-8946 -

| INSTRUCTIONS - The | Hydrographic | Sheet should | be accompanied | by this form, |
|-------------------------|--------------|---------------|-------------------|---------------|
| filled in as completely | as possible, | when the shee | t is forwarded to | the Office. |

FIELD NO.

| filled in as completely as possible, when the sheet is forwarded to the Office. | LJ-10-2-67 |
|---|----------------------------|
| State Alaska | |
| General locality Whale Passage Kashevarof Straits | |
| Locality Clarence Strait | |
| Scale 1: 10,000 Date of sur | vey 24 July - 28 July 1971 |
| Instructions dated 19 May 1971 Project No. | . 465 |
| Vessel NOAA DAVIDSON (Launch 1 and Launch 2 used for | |
| Chief of party CDR. Gerald C. Saladin | |
| Soundings taken by echo sounder should be added and DE T | |
| Soundings taken by echo sounder, hard hard pole Raytheon DE-72 Graphic record scaled by Ship's personnel | |
| Graphic record checked by Ship's personnel | |
| Protracted by LTJG Taguchi Automa | |
| Soundings penciled by LTJG Taguchi | |
| Soundings in fathoms XXXXXX at XXXXXX MLLW | |
| | |
| REMARKS: | |
| | |
| | |
| | |
| | Chart |
| applied to att 11.16- | 73 8160 P |
| (WW. 4-12-91 | |

DESCRIPTIVE REPORT HYDROGRAPHIC INVESTIGATION

H-8946 (

WHALE PASSAGE - CLARENCE STRAIT SOUTHEAST ALASKA 1971

> Gerald C. Saladin CDR. NOAA Commanding Officer NOAA Ship DAVIDSON

A. PROJECT

This survey was accomplished according to Project Instructions: OPR-465-DA-71, Whale Passage, Clarence Strait, Southeast Alaska, dated 19 May 1971.

B. AREA SURVEYED

The survey covered the area of Whale Passage, Southeast Alaska between the latitudes 56° 04.0 N to 56° 08.5 N and longitudes 132° 55.0 W to 133° 09.9 W. Work was accomplished between 24 July and 28 July 1971. Developments and splits were done on a mylar copy of the smooth sheet of the original survey LJ-10-2-67.

C. SOUNDING VESSEL

The following vessels were used to obtain soundings on this survey:

| VESSEL | | POSITION | NUMBER | COLOR |
|------------------|---|----------|-------------|-------|
| Launch Launch | _ | | Blue Red | |

A summary of each launches work by position numbers is attached. Bottom samples were taken to determine the bottom characteristics of the areas developed. Leadline soundings were made to verify the critical depths.

D. SOUNDING EQUIPMENT

Raytheon DE-723 fathometers were used:

Launch 1 # 553 Launch 2 #1276

Echo sounder corrections were determined from bar checks taken daily by the launches. The fathometers were initialed at, or adjusted to 0.0. An abstract of these corrections is attached. A digital phase checker was used to check the phase corrections of the fathometers. See appendix.

E, SMOOTH SHEET

The smooth sheet will be processed by PMC, Seattle, Washington.

F. CONTROL

Visual three-point fixes were used for control on this survey. Signals previously used by the LESTER JONES in the original survey of this area were rebuilt in the field. Photo-hydro signals were located in areas that lacked sufficient control. These were located by either the direct or radial plot method. An abstract of signals is included in the appendix.

G. SHORELINE

Shoreline and shoals areas to be investigated were already delineated on the mylar copy of the smooth sheet of the survey area (H-8961). No inspection was required.

H. CROSSLINES

No crosslines were run. Soundings were compared with those obtained from the prior survey. There is good agreement.

I. JUNCTIONS

No junction was made with any contemporary survey, except that soundings within the area developed were checked with the soundings charted on the smooth sheet of H-8946. There is good agreement between soundings of this investigation and those of the prior survey.

J. COMPARISON WITH PRIOR SURVEYS

The areas developed and the least depth found are listed below:

| Development Location | Least Depth (H-8946) | Bottom Characteristics | Least Depth (Present) |
|------------------------------|-------------------------|------------------------|-----------------------|
| 56° 04.55¹N 132° 57.45¹W | 9.9 fm. | | 7.2 fm. |
| 56° 04.65 N 132° 58.00 W | 8.3 fm. | | 7.5 fm. |
| 56° 04.85'N 132° 58.30'W- | 7.8 fm. | . • | 6.5 fm. |
| 56° 04.55 N 133° 04.95 W | 4.9 fm. | hrd,rky | 49 fm. |
| 56° 05.65'N 133° 05.90'W | 6.5 fm. | hrd,rky | 5.2 fm. |

| 56° 05.95°N 133° 05.65*W | 1.2 fm. | gy M, brk Sh | 9-9 fm. 1.2 |
|--|----------|----------------------------|----------------------------|
| 56° 06.00√N 133° 07.25 ₩ | 2.4 fm. | gy M, brk Sh | 1.8 I m. 2.4 |
| 56° 06.05 N 133° 05.25 W | 7.2/fm. | gy M, brk Sh | 7.2 fm. |
| 56° 06.551N 133° 04.701W | 1.2 fm. | hrd, rky | 0.7—fm. B |
| 56° 06.48'N 133° 04.10'W | 2.4 fm. | hrd, rky | 1.0 fm. |
| 56° 06.75'N- 133° 043. 2 5'W | 1.9/fm. | | 1.7 fm. |
| 56° 07.78 N 133° 02.75 W | 1.9°fm. | gy M, brk Sh hrd bottom | 1.0 fm. |
| 56° 07.50'N- 133° 01.90'W- | 2.3 fm. | brk Sh, hrd | 1,4 fm. |
| 56° 07.30'N- 133° 01.60'W- | 3.8 fm. | | 4.2 fm. 3.8 |
| 56° 08.00'N 133° 01.75'W | 5.4 fm? | gn M, brk Sh | 5.7 fm. |
| 56° 07.70'N 133° 00.50'W | 4.4-fm. | hrd, rky | 5.4 fm. 4.4 |
| 56° 07.75'N/ 132° 59.40'W/ | 9.6 fm. | hrd | gib |
| 56° 06.88'N 132° 58.28'W- | 9.1 fm. | hrd rky,brk Sh | 5.7 fm. |
| 56° 07.15'N- 132° 57.90'W- | 6.1 fm. | | 6.5 fm. |
| 56° 07.60'N- 132° 57.75'W- | 7.8 fm/ | | 6-3 fm. 7.0 |
| 56° 08.00'N- 132° 57.50'W- | 19.0 fm. | | 18.0 fm. |
| | | | • • |

All leadline soundings were reduced using the predicted tides for Lake Bay, Clarence Strait. The only major discrepancy found is the 5.1 fathom shoal located at 560 06.88'N and 1320 58.28'W. The shallowest depth listed on H-8946 was 9.1 fathoms.

V 758

K. COMPARISON WITH THE CHART

No comparison was made with C&GS Chart 8160, 7th Ed., 4 July 1970. The survey was compared with the smooth sheet and there is good agreement.

This survey shows a better development of shoals and should be incorporated with the LESTER JONES H-8946 smooth boatsheet of this area.

L. ADEQUACY OF SURVEY

This survey is complete and adequate and should be combined with the data from the original survey (H-8946).

M. STATISTICS

| Day | Vessel | No. of Positions | Miles of Sounding Line | Detached Positions |
|---------------------------------|--|---|---|------------------------|
| 205 206 207 207 208 | Launch 1 Launch 1 Launch 1 Launch 2 Launch 2 | 001-160 (1) 161-316 (1,2) 317,416 (2) 2001,2036 (3) 2037,2133 (3) | 13.0 14.8 9.25 3.5 7.7 48.25 | 5 4 3 2 10 |

The combined areas of the developments totaled 1.2 square miles. There are three sounding volumes for this survey. The detached positions are found in the volumes. The tide gage was set at Thorne Island, Whale Passage at the same site as was used in the prior survey. 105°W time meridian was used. The soundings on the boatsheet were reduced using the predicted tides for Lake Bay, Clarence Strait, Southeast Alaska.

N. RECOMMENDATIONS

It is recommended that this investigation be incorporated with the data obtained from the original survey of the area (H-8946) and the survey be considered complete.

O. REFERENCES TO REPORT

Descriptive Report for H-8946.

Respectfully submitted,

Warren K. Taguchi LTJG. NOAA

TIDE NOTE (FIELD)

OPR-465

H-8946

Portable Bubbler Tide Station

Thorne Island, Alaska

Latitude

56° 03.6'N

Longitude

132° 59.1'W

Datum

MLLW

Time Meridian

105°W

Hourly height tapes, printouts, copies of Form 362 and a field tide note were forwarded to PMC.

Tide station reports, leveling records, marigrams and Form 362 were transmitted to Chief, Tides Branch with cover letter requesting the following to be furnished to PMC:

- 1. Verified copies of Form 362's with values entered in original record gaps.
- 2. Datum: Value of MLLW on the marigrams.
- 3. Form 712's for insertion in Descriptive Report.
- 4. Time and height relationships between gages operated in the area surveyed.
- 5. Recommended zoning for tide correctors.

APPROVAL SHEET

Hydrographic Investigation

OPR-465

H-8946

Whale Passage - Clarence Strait

Southeast Alaska

1971

The field work on this survey was accomplished under my supervision. Frequent inspections were made of the boatsheet and other records.

Gerald C. Saladin

CDR. NO

Commanding Officer NOAA Ship DAVIDSON

LIST OF MANUSCRIPTS

T-12312

FATHOMETER INITIAL CORRECTION

| | LAUNCH 1 | · | | - | LAUNCH | 2 |
|-----|--|--------------------------|---|-----|----------------------------|-------------------|
| DAY | TIME | CORR'N | 1 | DAY | TIME | CORR'N |
| 205 | 083600 094100 | 0.1 0.0 0.1 | ; | 207 | 143115 160400 | 0.0 |
| | 100300 104000 105400 135000 153500 | 0.0 0.1 0.0 0.0 | : | 208 | 090000 092200 150000 | 0.0 0.1 0.1 |
| 206 | 084200 155200 | 0.0 | | | | |
| 207 | 085830 130545 153030 155015 | 0.0 0.1 0.0 0.0 | | | | |

LIST OF STATIONS ON H-8946

| SIGNAL NUMBER | | ORGIN OF SIGNAL (H-8946 # or T-Sheet) |
|---|---|--|
| 201 202 203 204 205 | | 210 213 (BEST 1916) 214 T-Sheet #12313 (Photo #66L-5844) 217 |
| 206 207 208 209 211 213 214 215 217 218 219 221 222 222 223 233 233 233 233 233 233 | ζ | 218 T-Sheet #12312 (Photo #66L-5846) T-Sheet #12312 (Photo #66L-5846) 221 223 DAVID 1967 231 230 229 228 227 233 236 237 238 242 272 243 265 246 247 245 251 270 252 254 256 257 259 260 261 240 (RAG 1919) 219 T-Sheet #12313 (Photo #66L-5830) T-Sheet #12312 (Photo #66L-5830) |

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

DEC 26 1972

TIDE NOTE FOR HYDROGRAPHIC SHEET

PACIFIC MARINE CENTER

Processing Division: Pacific Marine Center

Hourly heights are approved for smooth tide tape printout

Tide Station Used (NOAA form 77-12): Thorne Island, Alaska

Period: 7/23 - 7/27 1971

HYDROGRAPHIC SHEET: 8945, 8946

OPR: 465

Locality: Thorne Island, Whale Passage, Alaska

Plane of reference (mean lower low water): 6.9 ft. which is 6.9 feet on tide staff.

Height of Mean High Water above Plane of Reference is 15.0 ft.

Remarks:

Hourly Heights have been revised in Red and Verified.

| DAY | HOURS |
|------|-----------|
| 7/25 | 1200-1700 |
| 7/26 | 0800-1700 |
| 7/27 | 0800-1600 |

Achel a Cumminge Chief, Tides Branch

$$0-0.5$$
 = $+.X.3$
 $0.6-4.1$ = $+.X.4$
 $4.2-9.9$ = $+.8.6$
 $10.0-17.5$ = $+.X.7$
 $17.6-25.1$ = $+.X.8$
 $25.2-32.7$ = $+.X.9$
 $32.8-40.3$ = $+.X.9$
 $40.4-47.9$ = $+.X.10$
 $48.0-55.5$ = $+.X.10$

4-8945

$$0-4.0=+.$$
 \times .3
 $4.1-17.0=+.$ \times .4
 $17.1-41.5=+.$ \times .5
 $41.6-54.5=+.$ \times .6

NOAA FORM 77-27 (9-72) (PRESC. BY HYDROGRAPHIC MANUAL 20-2,

HYDROGRAPHIC SURVEY STATISTICS HYDROGRAPHIC SURVEY NO. H – 8946

| RECORDS ACC | OMPANYING SURV | /EY: To | be-compl | eted whe | n survey | is registered. | | |
|--------------------|------------------|---------|------------|---------------|----------|----------------|---------------|-----------------------------------|
| RECOR | D DESCRIPTION | | АМО | UNT | | RECORD DESCR | RIPTION | AMOUNT |
| SMOOTH SHEET & PNO | | | 2 | 2 BOAT SHEETS | | / | | |
| DESCRIPTIVE RI | | | / OVERLAYS | | 3 | | | |
| DESCRIPTION | DEPTH RECORDS | HORIZ. | | PRINT | routs | TAPE ROLLS | PUNCHED CARDS | ABSTRACTS/ SOURCE DOCUMENTS |
| ENVELOPES | | | | | | | | |
| CAHIERS | / | | | | | | | |
| VOLUMES | 3 | | | | | | | |
| BOXES | | | | . (| ! | | | |
| T-SHEET PRINTS | (Liet) | | | | | | | |
| | | | | | | | | |
| SPECIAL REPOR | TS (List) | | | | | | | |
| | | | | | | | | • |
| | | | | | | | | |
| | · | | | BBACE | CINC A | CTIVITIES | | |

OFFICE PROCESSING ACTIVITIES The following statistics will be submitted with the cartographer's report on the survey

| | | AMO | STNL | |
|---|----------------------|----------------|----------|-------------------|
| PROCESSING ACTIVITY | PRE- VERIFICATION | VERIFICATION | REVIEW | TQTALS |
| POSITIONS ON SHEET | | | | 549 |
| POSITIONS CHECKED | | 409 | | |
| POSITIONS REVISED | | 4 | | |
| DEPTH SOUNDINGS REVISED | | 35 | | |
| DEPTH SOUNDINGS ERRONEOUSLY SPACED | | 0 | | |
| SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED | | 0 | | 1 |
| | | TIME (MA | NHOURS) | |
| TOPOGRAPHIC DETAILS | | 0 | | |
| JUNCTIONS | | 0 | | |
| VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS | | 16 | | |
| SPECIAL ADJUSTMENTS | | 88 | | |
| ALL OTHER WORK | 32 | 16 | | |
| TOTALS | 32 | 120 | | |
| PRE-VERIFICATION BY | | BEGINNING DATE | ENDIN | G DATE |
| VERIFICATION BY Mauley Lands |) Lo | BEGINNING DATE | 1972 156 | LIGHTE LIGHT 1973 |
| REVIEW BY | - | BESINING DATE | ENDI | IG/DATE |

H-8912

LJ-1Ø-1-67 LJ-1Ø-2-67

The applicable sounding data that was acquired in the 1971 "Special Investigation" has been applied to the original 1967 smooth sheet. This data was applied by hand as requested by Review.

All prior and pertinant information can be located in the original Verifier's Report on the preceding pages.

Respectfully submitted,

Matthew G. Sanders

Cartographic Technician

16 August 1973

PARAMETERS FOR DIGITAL COMPUTING POLYCONIC PROTECTION

| (1) Project No. OPK | -465 | (4) Requested by | W.L. Mobley |
|--|---------------------------------------|----------------------------------|----------------------|
| (2) H No. H 894 | ٠ . | (5) Ship or Office | LESTER TONES |
| (3) Field No. LJ 10: | | | |
| (7) Visual Pt.(| | | |
| (10) XKN (SP 5) Distance | | | |
| or West Edge (NYX = | 0). (Origin) | 7 | 165.8 Meters |
| (11) YKN (5P 241) Distant of Sheet. (Origin) | es from Equator to Se | outh Edge | 2/4, 233.3 Meters |
| (12) Central Meridian | | . 133 | 0 021 30 4 |
| (13) Survey Scale | • | _1: | 10.000 |
| 14) Size of Sheet (Check | k one) 36x60 | 42x60 5 | |
| (15) NYX, Orientation of | sheet (Check one) | | • |
| NYX = 1 | | $\int_{0}^{\infty} N y x = 0$ | _ 🗷 |
| Greatest Grid | Greatest Grid | C Ner | |
| G Mer | 56.03.2 | Lowest Grid - | |
| | XKN /33 C | Prom Equator to Edge of Sheet | 733 02 30 South |
| Lowest Grid | (9) Platter Origin (Corner of Shee | • | • |
| YKN4 - 2001 -4 | Istitude | <u> </u> | • |
| From Equator to South | Longitude | | |
| | (16) Greatest Lat | Grid Limits | Projection Line |
| | (17) Lowest Latit | | The ame I |
| • | (18) Difference | 6'0 | 11 (19) Manual) 30 " |
| • | (27) 0 | .da. i. 122 - 00 - | (20) /2 YS |
| | | gitude 133 009'C | |
| • | (22) Lowest Longi | | |
| | (23) Difference | | (25) <u>28 XSN</u> |

Copy Lource follows

FORM C&GS-946A (REV. 11-65) (PRES. BY HYDROGRAPHIC MANUAL, 6-94)

U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY

VERIFIER'S REPORT HYDROGRAPHIC SURVEY, HH-8946

INSTRUCTIONS - This form serves to identify items of a check list in verification together with items which are separately reported to the Reviewer. The form is not to be forwarded to the Reviewer. A report, which is prepared for the Reviewer, should identify items by number and letter and will be filed in the Descriptive Report until the survey is reviewed.

- CL Check List Items: should be checked as having been completed during the verification processes.
- R Report Item: This column refers to those items reported to the reviewer and is used to indicate the items discussed.

| Part I - DESCRIPTIVE REPORT | CL | R | Part III - JUNCTIONS (Continued) | CL | R |
|---|----------|---|---|----------|---------|
| Note: The verifier should first read the Descriptive Report for general information and problems. 1. The Descriptive Report was consulted, paragraphs checked if found satisfactory, and notations were made in soft black pencil regarding action taken. Remarks Required: None | | | 10. Junctions with contemporary surveys were satisfactory except as follows: Remarks Required: Consider conditions after adjustments have been made; note adjustments made. Make special notes of Butt junctions and areas which are SUPERSEDED. | | |
| Soundings originating with the survey and mentioned in the Descriptive Report have been verified and checked in soft black pencil, including latitude and longitude, together with position identification. Remarks Required:None 3. All reference to survey sheets mentioned in the Descriptive Report should include registry | <i>J</i> | | Port IV - VOLUMES 11. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken and exceptions noted in the volumes. Remarks Required: None | | : |
| number and year. Remarks Required: None | | | 12. Condition of sounding records was satisfactory except as follows: | | |
| Part II - SHORELINE AND SIGNALS 4. Source of shoreline signals Remarks Required: List all surveys | / | | Remarks Required: Mention deficiencies in completeness of notes or actions for the following: | | |
| o. Give earliest and latest dates of photographs b. Field inspection date Field Fileders | \int | | (a) rocks (b) line turns (c) position values of beginning and ending of lines | | |
| c. Field Edit date d. Reviewed-Unreviewed | | | (d) bar check or velocity correctors | | |
| 5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: Discuss remaining differences. | | | (e) time recording (f) notes or markings on fathograms (g) was reduction of soundings accurately done? | | |
| 6. The plotting of all triangulation stations, topographic stations and hydrographic signals has been checked and noted in processing stamp No. 42 on the smooth sheet. Remarks Required: None | | | (h) was scanning accurate?(i) were peaks at uneven intervals missed?(j) were stamps completed?(k) references to adjacent features | √ | |
| 7. Objects on which signals are located and which fall outside of the high-water line have been described on the sheet. Remarks Required: List those signals still unidentified. | | | Part V - PROTRACTING 13. All positions verified instrumentally were check marked in color in the sounding records, and verifier initialed the processing stamp. Remarks Required: None | | 7 |
| Part III - JUNCTIONS | | | | | ļ |
| Note: Make a cursory comparison preliminary to inking soundings in area of overlap. | | | 14. The protracting and plotting of all unsatis- factory crossings were verified. | | Y |
| 8. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical. | √ | | Remarks Required: None | V | : |
| Remarks Required: None 9. The notation in slanted lettering "JOINS H (19)" was added in colored ink for all veri- fied contemporary adjoining or overlapping sheets. Those not verified are shown in pencil. | | | 15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: None | u | |
| Remarks Required: None | <u> </u> | | | M-DC 36 | 1272 Pa |

| Part V - PROTRACTING (Continued) 16. The protracting was satisfactory except as follows: Remarks Required: Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments. | CL | R | Part VIII - AIDS TO NAVIGATION 26. All fixed aids located together with those on the contemporary topographic sheets, have been shown on the survey. Remarks Required: Conflicts of any nature listed. | CL | R |
|--|----------|---|--|---------|-------------|
| 17. The protractor has been checked within the last three months. Remarks Required: Date of check, type of protractor and number. | | | 27. All floating aids listed in the Descriptive Report should be verified and checked in soft black pencil, including latitude and longitude and position identification. Remarks Required: None | | |
| Part VI - SOUNDINGS 18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: None 19. Sounding line crossings were satisfactory | | | Part IX - BOAT SHEET 28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information. Remarks Required: None | V | |
| except as follows: Remarks Required: Discuss adjustments. | / | | 29. Heights of rocks awash were correctly reduced and compared with topographic information. | / | |
| 20. The spacing of soundings as recorded in the records was closely followed; Remarks Required: None | \int | | mation. Remarks Required: Note excessive conflicts with topographic information. | | |
| Remarks Required: None 21. The scanning, reduction, spacing, plotting of questionable soundings have been verified. Remarks Required: None 22. The smooth plotting of soundings was satis- | | | Part X · GENERAL 30. All information on the sheet is shown in accordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2). Remarks Required: None | \ | |
| factory except as follows: Remarks Required: Refer to legibility, errors in spacing, and errors in numbers - but not to errors in scanning. | √ | | 31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: None | 1 | |
| Port VII - CURVES 23. The depth curves have been inspected before inking. Remarks Required: By whom was the penciled curves inspected. | V | | 32 Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet. | | |
| 24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following: | | | Remarks Required: — None | V | |
| a. From T-Sheet in dotted black lines b. From soundings in orange c. Approximate position of sketched curve is dashed orange | | | 33. The bottom characteristics are adequately shown. Remarks Required: None | | |
| d. Approximate position of shoal area not sounded in black dashed Remarks Required: None | | | Part XI - NOTES TO THE REVIEWER 34. Unresolved discrepancies and questionable soundings. | | |
| 25. Depth curves were satisfactory except as follows: (This statement should not refer to the manner in which the curves were drawn). Remarks Required: Indicate areas where | 1 | / | 35. Notation of discrepancies with photogram- metric survey inserted in report of unreviewed photogrammetric survey or on copy. | d V | |
| curves could not be drawn completely because of lack of soundings. For some inshore areas a general statement is sufficient. | | | 36. Supplemental information. | | |
| Verified by Maulle Jana FORM CB & S-946 A (11-65) | len | 2 | 15 August | MM-DC 3 | 1 <u>73</u> |

APPROVAL SHEET

The smooth sheet has been inspected, is complete, and meets the requirements of the General Instructions for automated surveys and the Hydrographic Manual. (Note: All exceptions are listed in the Verifier's Report)

Examined and approved,

James S. Green

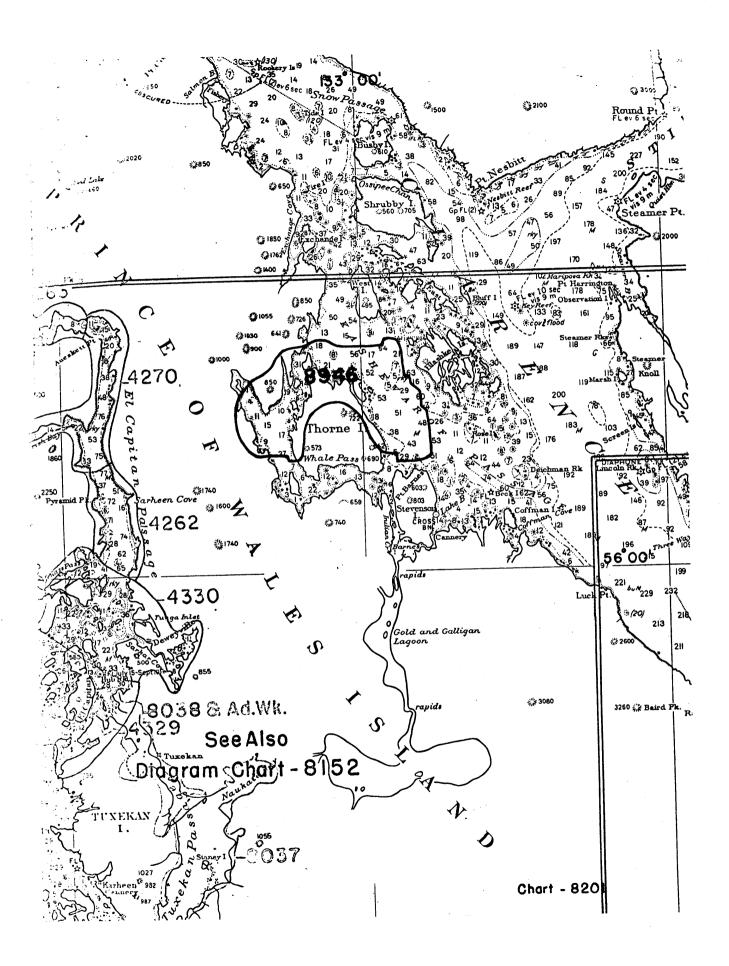
Supervisory Cartographic Technician

Approved and forwarded,

Walter F. Forster, LCDR, NOAA

Chief, Processing Division

Pacific Marine Center



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 Review.

| CHART · | DATE | CARTOGRAPHER | REMARKS |
|-------------|--------------|---------------------------------------|---|
| 8160 | 8-24-71 | E. Frey | Part Base After Verification Review Inspection Signed Via |
| | | | Drawing No. 12 Critical corrections only |
| <u> </u> | | | Salt Part Before After Verification Review Inspection Signed Via |
| 8201 | 8-24-71 | E. Frey | |
| | | | Drawing No/2 App'd critical corrections |
| | | | Full Part Before After Verification Review Inspection Signed Via |
| | | | |
| 8201 | 8-24-72 | Cames Graham | Drawing No. 13 Examined, no corr status of |
| | | | Sheet unchanged since last application. Part Part Refere After Verification Review Inspection Signed Via |
| 8201" | 3-11-77 | M. Sager | Part Before After Verification Review Inspection Signed Via |
| | | | Drawing No. STATUS OF SHEET UNCHANGED SINCE LAST |
| _ | | | APPLICATION - NO REVISION AT THIS TIME. |
| | | | Full Part Before After Verification Review Inspection Signed Via |
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| FORM | C& | GS- | 83 | 52 |
|---------|----|-----|----|----|
| (1.25-6 | 2) | | | |

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

H-8946 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 Revi

| CHART | DATE | CARTOGRAPHER | REMARKS | | |
|---------------|----------|---------------------------------------|--|--|--|
| 8201 | 11/23/73 | m. D. Karis | Fall Part Before After Verification Review Inspection Signed Via | | |
| | | | Drawing No. 24 | | |
| 8 160a | 5/19/75 | C5 Forbes | Pall Part Before After Verification Review Inspection Signed-Via | | |
| | | | Drawing No Mo additional corrections | | |
| 8201 | 3-11-77 | M. Sager | Part Before After Verification Review Inspection Signed Via | | |
| | | · · · · · · · · · · · · · · · · · · · | Drawing No. STATUS OF SHEET UNCHANGED SINCE LAST | | |
| | | | APPLICATION - NO REVISION AT THIS TIME. | | |
| | | | Full Part Before After Verification Review Inspection Signed Via | | |
| | | | Drawing No. | | |
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