

T-12656

T-12656

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline
Job No. PH-6411 Map No. T-12656
Classification No. III Edition No. ..1.....

LOCALITY

State Alaska
General Locality Port Valdez
Locality Dayville

19 64 TO 1966

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk OFFICER-IN-CHARGE Cdr. Jeffrey G. Carlen		SURVEY <u>12656</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III</u> JOB <u>PH-6411</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk OFFICER-IN-CHARGE Cdr. Jeffrey G. Carlen		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB <u>PH-6411</u> MAP CLASS <u>III</u> SURVEY DATES: 19 <u> </u> TO 19 <u> </u>	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Instructions - OFFICE-12/30/64 - Supplement I - 11/9/65 - Amendment I - 2/7/66 - Amendment II - 1/9/67		Instructions - FIELD - 5/28/65 - 6/3/65	
II. DATUMS			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Polyconic		4. GRID(S) STATE <u>Alaska</u> ZONE <u>3</u> STATE <u> </u> ZONE <u> </u>	
5. SCALE 1:20,000		STATE <u> </u> ZONE <u> </u>	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION Stereoplanigraph & BY METHOD: IBM 1620 Adjustment LANDMARKS AND AIDS BY		P. Hawkins N/A	12/15/66
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY		J. Steinberg C. Blood	1/6/67 1/6/66
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Kelsh Plotter SCALE: 1:3,000 & 1:8,000 CONTOURS BY CHECKED BY		L. Neterer A. C. Rauck, Jr. N/A N/A	1/26/67 1/26/67
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Scribed CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		C. Blood & R. White L. Graves N/A N/A N/A N/A	6/8/67 6/8/67
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		A.C. Rauck, Jr.	6/10/67
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		N/A N/A	
7. COMPILATION SECTION REVIEW BY		L. Graves	6/10/67
8. FINAL REVIEW BY		E. L. Rolle	5/77
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY			
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		E. L. Rolle	5/77
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R.T. Cator	7/77

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

COMPILATION SOURCES

T-12656

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "L" - 152.29 mm f.L.
"S" - 152.29 mm f.L.TYPES OF PHOTOGRAPHY
LEGEND(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE

ZONE

Alaska

MERIDIAN

150th

☒ STANDARD☐ DAYLIGHT

TIDE STAGE REFERENCE

☒ PREDICTED TIDES
☐ REFERENCE STATION RECORDS
☐ TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
64S(P) 6312 thru 6321	8/15/64	11:20	1:15,000	4.1' above MLLW
65L(P) 4029 thru 4032	6/23/65	12:06	1:15,000	2.9' above MLLW
66L(P) 5592 thru 5595	7/9/66	16:03	1:40,000	8.9' above MLLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The MLLW was not compiled.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH

EAST

SOUTH

WEST

No contemporary Survey No contemporary survey No contemporary survey T-12655

REMARKS

HISTORY OF FIELD OPERATIONS

T-12656

There was no field operations data submitted.

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

RECORD OF SURVEY USE

T-12656

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	6/10/67	Class III Map	6/10/67	6/10/67
Final review	5/31/77	Class III Map	5/31/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

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

III. FEDERAL RECORDS CENTER DATA

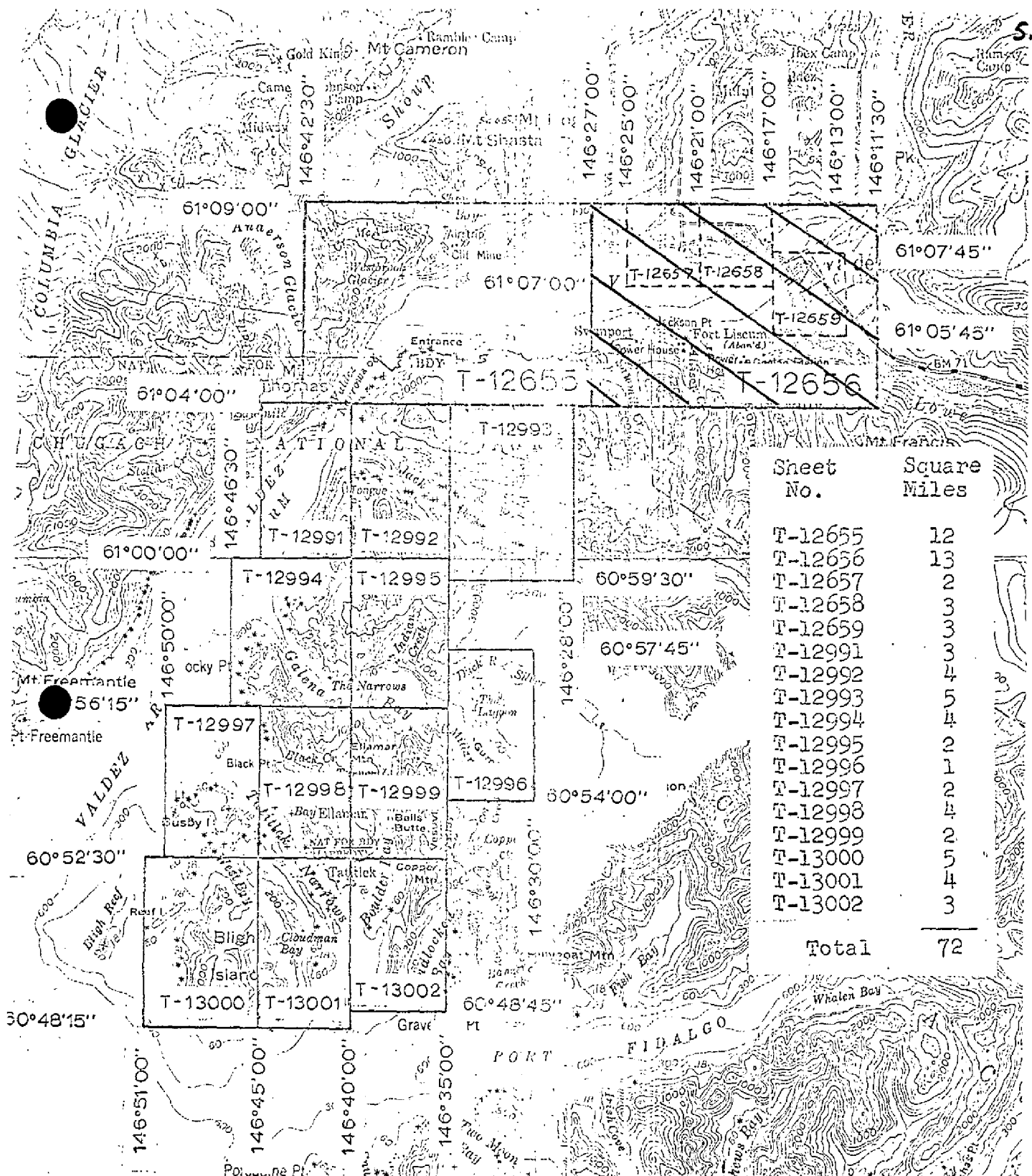
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☐ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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

NOAA FORM 76-36D



JOB PH-6411

SHORELINE MAPPING

1:5,000, 1:10,000 & 1:20,000 SCALE

VALDEZ ARM

ALASKA

SUMMARY
T-12655 thru T-12659

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

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

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

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

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

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

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

The following items are registered in the Bureau Archives:

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

Negatives for each map are filed in the Reproduction Division.

All field data are filed in the National Archives.

FIELD INSPECTION REPORT
T-12656

There was no field inspection prior to compilation.

PHOTOGRAMMETRIC PLOT REPORT

Job PH-6411

Valdez, Alaska

December 15, 1966

21. Area Covered

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

22. Method

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

23. Adequacy of Control

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

Valdez, BPR ASPHALT TANK FARM, STACK 1959. This point could not be held in either Strip #41 or Strip #91.

No reason can be determined for not holding this station.

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

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

24. Supplemental Data

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

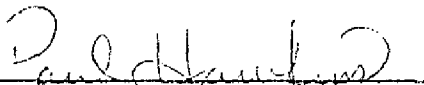
25. Photography

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

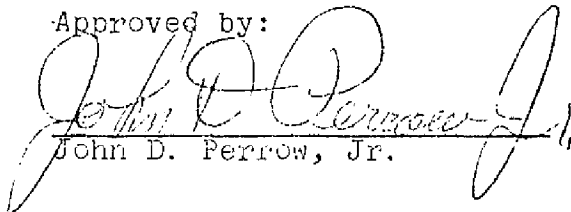
26. Additional Items

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

Submitted by:


Paul Hawkins

Approved by:


John D. Ferrow, Jr.

COMPILATION REPORT
T-12656

31. Delineation

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

There was no field inspection.

Photography was satisfactory.

32. Control

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

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

33. Supplemental Data

Boat Sheet No. 70279 dated August 29, 1966, and Boat Sheet No. 70280 dated August 29, 1966, were used as an aid in compilation of the mean high water line.

34. Contours and Drainage

Contours - Inapplicable.

All significant drainage was compiled.

35. Shoreline and Alongshore Details

There was no preliminary field inspection.

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

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

36. Offshore Details

No statement.

37. Landmarks and Aids

No Forms 567 were submitted.

38. Control for Future Surveys - None.

39. Junctions

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

40. Horizontal and Vertical Accuracy

No statement.

41. thru 45. - Inapplicable.

46. Comparison with Existing Maps

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

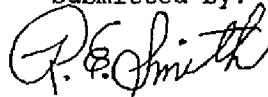
47. Comparison with Nautical Charts

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

Items to be Applied to Nautical Charts Immediately - None.

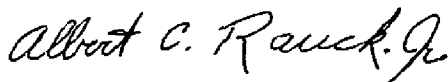
Items to be Carried Forward - None.

Submitted by:



R. E. Smith

Approved:



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

49. NOTES FOR THE HYDROGRAPHER

None.

FORM C&GS-1002 (9-66)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW T-30363 12656			
1. PROJECTION AND GRIDS LLG	2. TITLE LLG	3. MANUSCRIPT NUMBERS LLG	4. MANUSCRIPT SIZE LLG
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LLG	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) XX		7. PHOTO HYDRO STATIONS XX
8. BENCH MARKS XX	9. PLOTTING OF SEXTANT FIXES XX	10. PHOTOGRAMMETRIC PLOT REPORT Bridge - W.O.	11. DETAIL POINTS Kelsh
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LLG	13. LOW-WATER LINE XX	14. ROCKS, SHOALS, ETC. LLG	15. BRIDGES
16. AIDS TO NAVIGATION XX	17. LANDMARKS XX	18. OTHER ALONGSHORE PHYSICAL FEATURES LLG	19. OTHER ALONGSHORE CULTURAL FEATURES LLG
PHYSICAL FEATURES			
20. WATER FEATURES LLG		21. NATURAL GROUND COVER LLG	22. PLANETABLE CONTOURS XX
23. STEREOSCOPIC INSTRUMENT CONTOURS XX	24. CONTOURS IN GENERAL XX	25. SPOT ELEVATIONS XX	26. OTHER PHYSICAL FEATURES LLG
CULTURAL FEATURES			
27. ROADS LLG	28. BUILDINGS LLG	29. RAILROADS XX	30. OTHER CULTURAL FEATURES LLG
BOUNDARIES			
31. BOUNDARY LINES XX		32. PUBLIC LAND LINES XX	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LLG		34. JUNCTIONS LLG	35. LEGIBILITY OF THE MANUSCRIPT LLG
36. DISCREPANCY OVERLAY XX	37. DESCRIPTIVE REPORT RES	38. FIELD INSPECTION PHOTOGRAPHS XX	39. FORMS LLG
40. REVIEWER LLG <i>R.L. Graves</i>		SUPERVISOR, REVIEW SECTION OR UNIT ACR <i>Albert C. Rauch, Jr.</i>	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER		SUPERVISOR	
43. REMARKS			

REVIEW REPORT T-12656
Shoreline Map
May 1977

61. General Statement

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

62. Comparison with Registered Topographic Surveys

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

Map T-12656 supersedes Map T-2565 for reconstruction of nautical charts within the area.

63. Comparison with Maps of Other Agencies

Refer to the Compilation Report, item 46.

64. Comparison with Contemporary Surveys

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

65. Comparison with Nautical Charts

Refer to the Compilation Report, item 47.

66. Adequacy of Results and Future Surveys

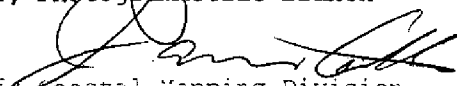
This map meets the National Standards of Map Accuracy and complies with compilation instructions and Bureau requirements.

Submitted by:


E. L. Rolle

Approved and Forwarded:


Chief, Photogrammetric Branch


Chief, Coastal Mapping Division

PH-6411

GEOGRAPHIC NAMES

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

T-12656 (Shoreline)

Abercrombie Gulch

Allison Creek

Dayville

Jackson Point

Lowe River

Mineral Creek

Port Valdez

Robe River

Sawmill Creek

Solomon Gulch

Sugarloaf Mountain

Valdez

A. J. Wraight
A. J. Wraight
Geographic Names Section

T-12656
National Archives Data

9 Form 526 - Recovery Note, Triangulation Station