

T-12657

T-12657

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-12657 .....
Classification No. III	Edition No. ... 1 .....
LOCALITY	
State ..... Alaska .....	
General Locality ..... Port Valdez .....	
Locality ..... Mineral Creek .....	
<hr/> 1966 TO 1966 <hr/>	
REGISTRY IN ARCHIVES	
DATE .....	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.					
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">           TYPE OF SURVEY  <input checked="" type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%;">           SURVEY <u>TY-12657</u>            MAP EDITION NO. (1)            MAP CLASS III            JOB PH- <u>6411</u> </td> </tr> </table>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY <u>TY-12657</u> MAP EDITION NO. (1) MAP CLASS III JOB PH- <u>6411</u>		
TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY <u>TY-12657</u> MAP EDITION NO. (1) MAP CLASS III JOB PH- <u>6411</u>						
PHOTOGRAMMETRIC OFFICE  Coastal Mapping Division, Norfolk OFFICER-IN-CHARGE  Cdr. Jeffrey G. Carlen		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>LAST PRECEDING MAP EDITION</b> </td> </tr> <tr> <td style="width: 50%;">           TYPE OF SURVEY  <input type="checkbox"/> ORIGINAL  <input type="checkbox"/> RESURVEY  <input type="checkbox"/> REVISED         </td> <td style="width: 50%;">           JOB PH- _____            MAP CLASS _____            SURVEY DATES:            19__ TO 19__         </td> </tr> </table>		<b>LAST PRECEDING MAP EDITION</b>		TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH- _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
<b>LAST PRECEDING MAP EDITION</b>							
TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	JOB PH- _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__						
<b>I. INSTRUCTIONS DATED</b>							
<b>1. OFFICE</b>		<b>2. FIELD</b>					
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					
<b>II. DATUMS</b>							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)					
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)					
3. MAP PROJECTION  Polyconic		4. GRID(S) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE Alaska</td> <td style="width: 50%;">ZONE 3</td> </tr> <tr> <td>STATE</td> <td>ZONE</td> </tr> </table>		STATE Alaska	ZONE 3	STATE	ZONE
STATE Alaska	ZONE 3						
STATE	ZONE						
5. SCALE 1:5,000							
<b>III. HISTORY OF OFFICE OPERATIONS</b>							
<b>OPERATIONS</b>		<b>NAME</b>	<b>DATE</b>				
1. AEROTRIANGULATION Stereoplanigraph & BY METHOD: IBM 1620 Adjustment LANDMARKS AND AIDS BY		P. Hawkins	12/15/66				
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY		J. Steinberg C. Blood	1/10/67 1/10/67				
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:1,666 CONTOURS BY CHECKED BY		R. Sugden & L. Neterer A. C. Rauck, Jr. N/A N/A	2/2/67 2/2/67				
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Scribed CONTOURS BY CHECKED BY SCALE: 1:5,000 HYDRO SUPPORT DATA BY CHECKED BY		R. E. Smith & F. Marglotta A. C. Rauck, Jr. N/A N/A N/A N/A	5/8/67 5/8/67				
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		A. C. Rauck, Jr.	5/10/67				
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		N/A N/A					
7. COMPILATION SECTION REVIEW BY		R. E. Smith	5/10/67				
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-12657

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) "I" - 152.29 mm f.L.	TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		ZONE Alaska MERIDIAN 150th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
66L(P) 5593	7/9/66	16:03	1:40,000	8.9' above MLLW
66L(P) 5607 & 5608	7/9/66	16:20	1:10,000	9.1' above MLLW

REMARKS

## 2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The MLLW line was not compiled.

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

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

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No contemporary survey	T-12658	T-12656	T-12656

REMARKS

## HISTORY OF FIELD OPERATIONS

T-12657-

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-12657

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	5/10/67	Class III Map	5/10/67	5/10/67
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: \_\_\_\_\_

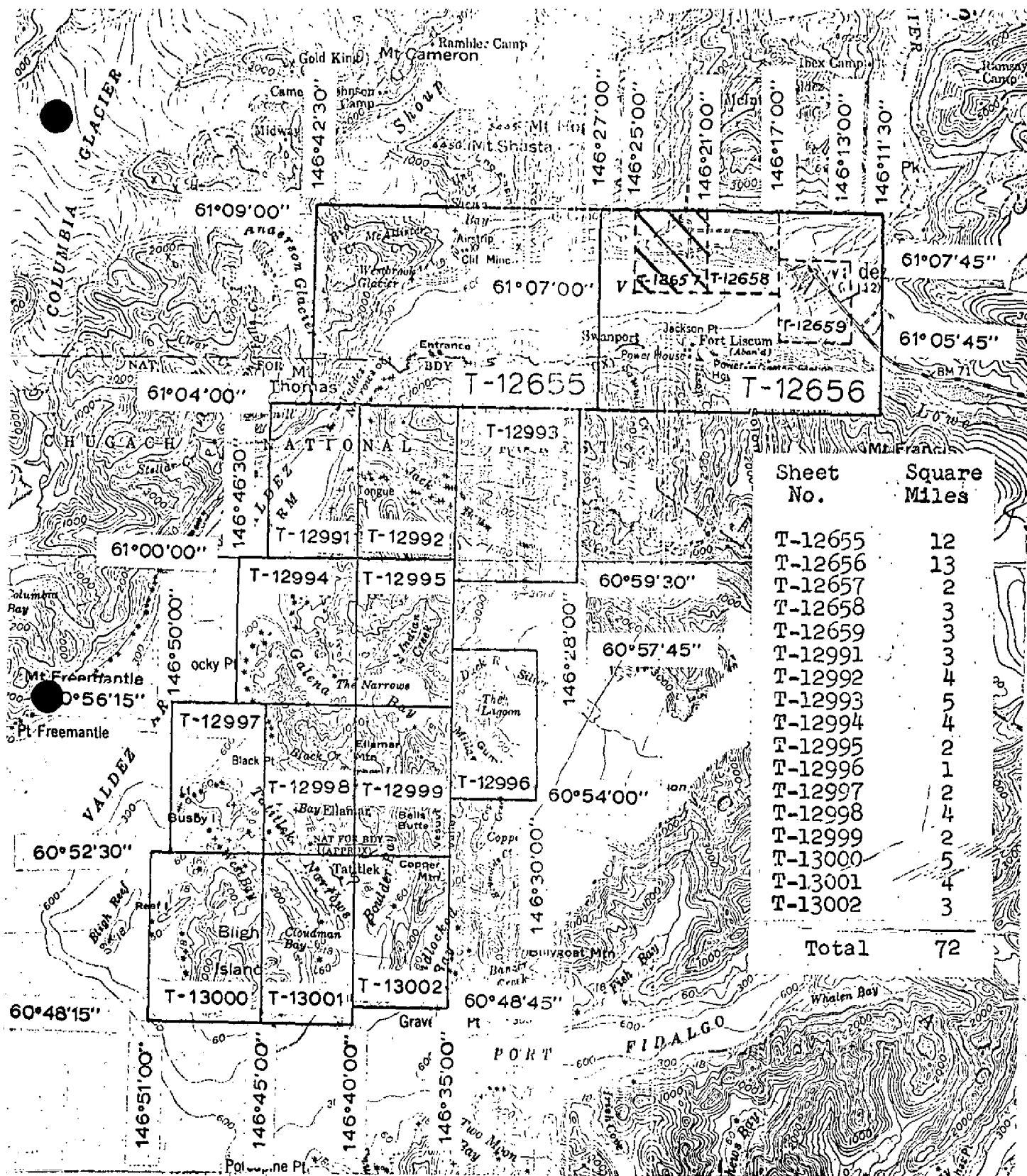
## III. FEDERAL RECORDS CENTER DATA

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	



# 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-12657

There was no field inspection prior to compilation.



## PHOTOGRAMMETRIC PLOT REPORT

Job PH-6411  
Valdez, Alaska

December 15, 1966

21. Area Covered

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

22. Method

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

23. Adequacy of Control

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

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

No reason can be determined for not holding this station.

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

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

24. Supplemental Data

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

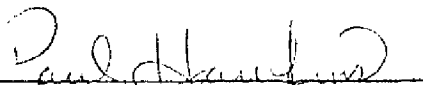
25. Photography

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

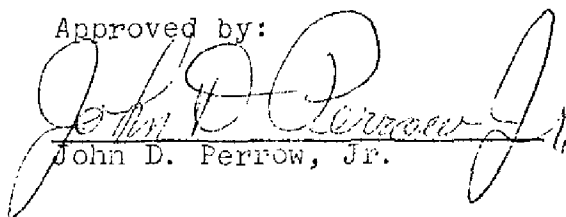
26. Additional Items

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

Submitted by:

  
Paul Hawkins

Approved by:

  
John D. Perrow, Jr.

COMPILATION REPORT  
T-12657

31. Delineation

The map was compiled on the Wild B-8 stereoplotter using the 1:10,000 and the 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, was 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

A Form 567 was submitted for one aid to navigation.

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*  
R. E. Smith

Approved:

*Albert C. Rauck, Jr.*

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

49. NOTES FOR THE HYDROGRAPHER

None.

C&GS FORM 1002 (11-13-61)		U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
T-12657			
1. PROJECTION AND GRIDS <b>RES</b>	2. TITLE <b>RES</b>	3. MANUSCRIPT NUMBERS <b>RES</b>	4. MANUSCRIPT SIZE <b>RES</b>
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <b>RES</b>	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <b>XX</b>		7. PHOTO HYDRO STATIONS <b>XX</b>
8. BENCH MARKS <b>XX</b>	9. PLOTTING OF SEXTANT FIXES <b>XX</b>	10. PHOTOGRAMMETRIC PLOT REPORT <b>Bridge (W. O.)</b>	11. DETAIL POINTS <b>XX</b>
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE <b>RES</b>	13. LOW-WATER LINE <b>XX</b>	14. ROCKS, SHOALS, ETC. <b>RES</b>	15. BRIDGES <b>XX</b>
16. AIDS TO NAVIGATION <b>RES</b>	17. LANDMARKS <b>XX</b>	18. OTHER ALONGSHORE PHYSICAL FEATURES <b>RES</b>	19. OTHER ALONGSHORE CULTURAL FEATURES <b>RES</b>
PHYSICAL FEATURES			
20. WATER FEATURES <b>RES</b>	21. NATURAL GROUND COVER <b>RES</b>		22. PLANETABLE CONTOURS <b>XX</b>
23. STEREOSCOPIC INSTRUMENT CONTOURS <b>XX</b>	24. CONTOURS IN GENERAL <b>XX</b>	25. SPOT ELEVATIONS <b>XX</b>	26. OTHER PHYSICAL FEATURES <b>RES</b>
CULTURAL FEATURES			
27. ROADS <b>RES</b>	28. BUILDINGS <b>RES</b>	29. RAILROADS <b>XX</b>	30. OTHER CULTURAL FEATURES <b>RES</b>
BOUNDARIES			
31. BOUNDARY LINES <b>XX</b>		32. PUBLIC LAND LINES <b>XX</b>	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES <b>RES</b>		34. JUNCTIONS <b>RES</b>	35. LEGIBILITY OF THE MANUSCRIPT <b>RES</b>
36. DISCREPANCY OVERLAY <b>XX</b>	37. DESCRIPTIVE REPORT <b>RES</b>	38. FIELD INSPECTION PHOTOGRAPHS <b>XX</b>	39. FORMS <b>RES</b>
40. REVIEWER <i>D. E. Smith</i> <b>RES</b>		SUPERVISOR, REVIEW SECTION OR UNIT <i>ACR Albert C. Ranch 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-12657

## 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-12657 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.

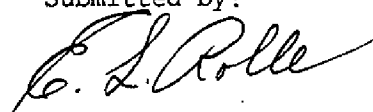
65. Comparison with Nautical Charts

Refer to the Compilation Report, item 47.

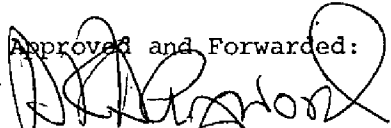
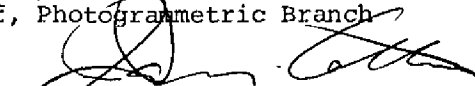
66. Adequacy of Results and Future Surveys

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-12657 (Shoreline)

Mineral Creek

Port Valdez

*A. J. Wraight*

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A. J. Wraight  
Geographic Names Section



U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
TO BE REVISED  
TO BE DELETED

STRIKE OUT TWO

March 24, 1967

Atlantic Marine Center

I recommend that the following objects which have ~~(8888888888)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(8888888888)~~ the charts indicated.

The positions given have been checked after listing by

R. E. Smith

J. Bull, RADM, Director, AMC

Chief of Party

STATE	ALASKA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED								
					LATITUDE #		LONGITUDE #																	
					°	'	D.M. METERS	"	°	'							D.P. METERS	"	DATUM					
			VALDEZ ARM																					
LIGHT		Valdez Boat Harbor Light			61	07	23.596	730.4	146	21	06.245	93.5	NA	1927				Photo T-12657			x			8519

T-12657  
National Archives Data

None