T-12350

T-12350

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-12350	1

Job No. PH-6301 PART 2

Map Classification FINAL MAP

Type of Survey SHORELINE

LOCALITY

State ALASKA

General Locality COOK INLET SOUTHERN PART

Locality OLDMANS BAY

19 66 TO 19 74

REGISTERED IN ARCHIVES

DATE

* U.S. GOVERNMENT PRINTING OFFICE 1980-665-115

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP- 12350

MAP EDITION NO. 1

MAP CLASS Final Map

JOB PH- 6301 Pt 2

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Division, Norfolk, VA

OFFICER-IN-CHARGE: Jeffrey G. Carlen

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH-

MAP CLASS

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD
Aerotriangulation	Aug 20, 1973	
Compilation	Dec 10, 1973	

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [ ] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Transverse Mercator

4. GRID(S): STATE Alaska; ZONE 5

5. SCALE: 1:20,000 — STATE; ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	R. Kelly	Aug 1973
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	Allen	Aug 1973
	CHECKED BY	"	"
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000	PLANIMETRY BY	L.O. Neterer, Jr.	Mar 1974
	CHECKED BY	R. White	Mar 1974
	CONTOURS BY	N.A.	--
	CHECKED BY	N.A.	--
4. MANUSCRIPT DELINEATION METHOD: SCALE: 1:20,000	PLANIMETRY BY	L.O. Neterer, Jr.	April 1974
	CHECKED BY	G. Vanderhaven	April 1974
	CONTOURS BY	N.A.	--
	CHECKED BY	N.A.	--
	HYDRO SUPPORT DATA BY	L.O. Neterer, Jr.	April 1974
	CHECKED BY	G. Vanderhaven	April 1974
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	"	April 1974
6. APPLICATION OF FIELD EDIT DATA	BY	D. Butler	July 1975
	CHECKED BY	F. Margiotta	July 1975
7. COMPILATION SECTION REVIEW	BY	F. Margiotta	July 1975
8. FINAL REVIEW	BY	C. Blood/J. Byrd	Oct 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Byrd	Jan 1987
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Feb 1987
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E L DAUGHERTY	APR '87

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

T-12350

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8"E" FL 152.71mm
Wild RC-8"L" FL 152.21mm

TIDE STAGE REFERENCE
[X] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[ ] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Alaska
MERIDIAN: 150th
[X] STANDARD
[ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*67L(C) 3613/15/17	Jun 23, 67	10:09	1:40,000	2.3 ft below MLLW
**70E(C) 7409 thru 7413	Jul 25, 70	16:55	1:20,000	12.6 ft above MLLW
**70E(C) 7463 and 7464	Jul 26, 70	11:30	1:20,000	8.6 ""
**70E(C) 7466	Jul 26, 70	11:38	1:20,000	7.8 ""
**70E(C) 7486	Jul 26, 70	11:47	1:20,000	7.6 ""

REMARKS
* Bridge and compilation photographs ** Hydro support photographs

2. SOURCE OF MEAN HIGH-WATER LINE:

* The MHW line was compiled from the listed compilation photographs

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

None 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
T-12347	No survey	No survey	T-12346

REMARKS

NOAA FORM 76-36B
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36C
(3-72)

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

T-12350

HISTORY OF FIELD OPERATIONS

I. [X] FIELD ~~INSPECTION~~ OPERATION Premarking [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		N. Taylor	June 1967
2. HORIZONTAL CONTROL	RECOVERED BY	Wharton/Anderson	" "
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	Wharton/Anderson	" "
3. VERTICAL CONTROL	RECOVERED BY	N.A.	
	ESTABLISHED BY	N.A.	
	PRE-MARKED OR IDENTIFIED BY	N.A.	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	None	
	LOCATED *(Field Methods)* BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Paneled

2. VERTICAL CONTROL IDENTIFIED

N.A.

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
67L(C) 3616	KALGIN, 1944		

3. PHOTO NUMBERS *(Clarification of details)*

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: [ ] REPORT [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS 0

None

8. OTHER FIELD RECORDS *(Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division)*

1-form 152

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36C
(3-72)

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

T-12350

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		CDR C. A. Burroughs	Jul/Aug 74
2. HORIZONTAL CONTROL	RECOVERED BY		
	ESTABLISHED BY	Fairweather Personnel	Jul 1974
	PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL	RECOVERED BY		
	ESTABLISHED BY		
	PRE-MARKED OR IDENTIFIED BY		
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY		
	LOCATED *(Field Methods)* BY	Fairweather Personnal	July 1974
	IDENTIFIED BY		
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	Ens. J. Gulley	Aug 1974
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
N.A.

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*
70E(C) 7409 thru 7413, 7463, 7464, 7466, 7486.

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
N.A.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS *(Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division)*
Map T-12350 (Field Edit Copy) and the Field Edit Report, OPR-469-FA-74, Map T-12350.

☆ U.S. GPO: 1977-765-092/1105 Region 6

NOAA FORM 76-36D
(3-72)

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

T-12350

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	April 1974	Class III manuscript	Apr 26, 74	April 23,74
Field edit applied Compilation complete	Jul 1975	Class I Manuscript	Feb 7, 79	Feb 7, 79
Final Review	Oct 86	Final Map	2-11-87	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		July 16, 75	Aid to be charted

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 16, 1975
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: None

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 76-41 ~~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)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

☆ U.S. GPO: 1977-765-092/1106 Region 6

PROJECT PH-6301
(PART-2)
SHORELINE MAPPING

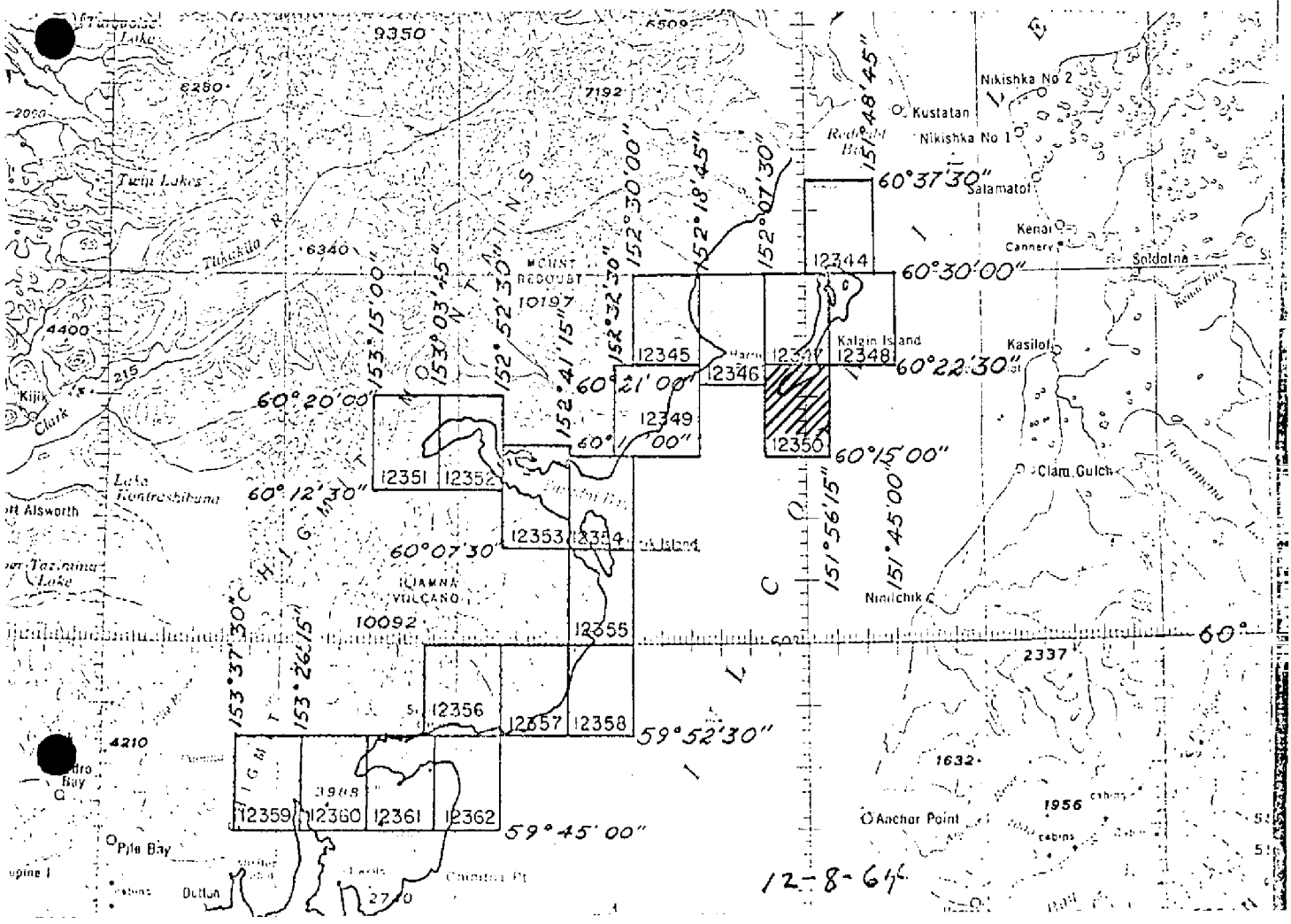
Scale 1:20000
ALASKA

COOK INLET

OFFICIAL MILEAGE FOR COST ACCOUNTS

Sheet No.	Area Sq. Mile	Lin. Mile Shoreline	Sheet No.	Area Sq. Mile	Lin. Mile Shoreline
T-12344	2	4	T-12354	11	22
T-12345	3	6	T-12355	8	16
T-12346	3	6	T-12356	3	6
T-12347	8	16	T-12357	7	14
T-12348	4	8	T-12358	2	4
T-12349	5	10	T-12359	3	6
T-12350	4	9	T-12360	4	7
T-12351	4	9	T-12361	10	19
T-12352	10	21	T-12362	4	8
T-12353	11	22			

Totals - Area 106 sq. mile; Shoreline 213 sq. mile



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12350

This 1:20,000 scale Final shoreline map is one of nineteen 1:20,000 scale maps designated as project PH-6301 Part II, Southern Part, Cook Inlet, Alaska.

The purpose of this map was to provide comtemporary shoreline in support of hydrograhic operations and to aid in chart revision.

Field work prior to compilation during the 1967 field season consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in June 1967 with the RC-8 "L" camera at 1:40,000 scale using color film. The map area was also photographed in July 1970 with the RC-8 "E" camera at 1:20,000 and 1:40,000 scale using color film.

Aerotriangulation was completed at the Washington office in August 1973.

This map was compiled at the Norfolk office in April 1974.

Field edit was acquired for T-12350 during the 1974 field season. Field edit was applied at AMC in July 1975.

Final review was accomplished at the Atlantic Marine Center in October 1986. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

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

FIELD INSPECTION

T-12350

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

Photogrammetric Plot Report
Cook Inlet, Alaska
PH-6301
August 1973

21. Area Covered

The area covered by this report is the western shoreline along Cook Inlet from Redoubt Bay to Tuxedui Bay, also included was Kalgin Island. T-sheets 12344 thru 12350 cover the area.

22. Method

Three strips of photography were bridged by analytic aerotriangulation methods. Strip #1, covering Kalgin Island, was 1:40,000 color, Strips #2 & #3 covering the western shore of Cook Inlet was 1:60,000 black and white panchromatic.

Common points were located on the bridging photography and the 1:20,000 color photography being used for ratio purposes. Tie points were used between strips #2 & 3 to provide adequate junction of photography. T-sheet manuscripts were plotted on the Coradomat.

23. Adequacy of Control

Control was adequate and checked within map accuracy standards.

24. Supplemental Data

USGS Quadrangles were used to provide vertical control for the adjustment.

25. Photography

The coverage overlap, and quality of the photography was adequate.

Submitted by,
Robert B. Kelly
Robert B. Kelly

Approved by:
John D. Perrow Jr
John D. Perrow, Jr.
Chief, Aerotriangulation Section

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
T-12350	PH-6301 Part 2	N.A. 1927	Coastal Mapping Division, AMC

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 5	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
KALGIN, 1944	Alaska Quad 60152 p. 2	Aero 17100	x=	φ 2, 328, 127.47	
			y=	λ 850, 063.48	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	
			x=	φ	
			y=	λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
A. C. Rauck, Jr.	4/17/74	F. R. Gustafson	4/18/74
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

COMPILATION REPORT

T-12350

31 - DELINEATION

Delineation was accomplished by using the Wild B-8 stereoplotter with 1:40,000 scale photography. The photography was adequate.

32 - CONTROL

See the attached Photogrammetric Plot Report, dated August 1973.

33 - SUPPLEMENTAL DATA

None

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by using the Wild B-8 stereoplotter from compiler's interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated using the Wild B-8 stereoplotter from compiler's interpretation of the photographs.

The mean high water line was delineated from the photographs.

36 - OFFSHORE DETAILS

Offshore details were compiled from compiler's interpretation of the photographs.

37 - LANDMARKS AND AIDS

One charted light was noted during compilation. No landmarks are charted and none were noted during compilation.

38 - CONTROL FOR FUTURE SURVEYS

None

T-12350

39 - JUNCTIONS

See the attached Form 76-36B, item #5 of the Descriptive Report concerning junctions. Junctions are in agreement.

40 - HORIZONTAL AND VERTICAL ACCURACY

No statement.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the U. S. Geological Survey Quadrangle: Kenai (B-6), ALASKA, scale 1:63,360, dated 1958.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the National Ocean Survey chart: No. 16660, scale 1:194,154 dated October 18, 1975, 17th ed.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

J. Byrd for

Lowell O. Neterer, Jr.
Cartographic Technician
Date: April 18, 1974

Approved:

J. Byrd for

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

Feb. 6, 1987

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6301 (Cook Inlet, Alaska-Part 2)

T-12350

Cook Inlet
Kalgin Island
Oldmans Bay
Swamp Creek

Prepared by:

Charles E. Harrington

Charles E. Harrington
Staff Geographer

FIELD EDIT REPORT

MAP T-12350

OLDMANS BAY, ALASKA

JULY-AUGUST 1974

Field edit of map T-12350 was done by Ens. Joanne Gulley.and Lt.(jg) Pamela R. Chelgren. Inspection was made from small boats and on foot when fixes on land were required.

METHOD

Photographs and one copy of the field edit ozalid were examined in the field. Isolated rocks and foul areas were located by sextant fixes and transferred to boatsheets SU-20-2A-67 (H-8965A), FA-20-1A-74 (H-9435A), FA-20-3A-74, and FA-20-3B-74 (H-9437). Height data is referenced by fix number to the attached sheets. All times are based on the 135° meridian.

ADEQUACY OF COMPILATION

Compilation of this map is inadequate. The low water photographs used in the compilation were not furnished. As a result, three objects not found in the field on minus tides and also not seen on the photographs furnished, were deleted. It is virtually impossible to verify photo identified rocks without the low water photographs used to compile the manuscripts. The three objects deleted are at the following positions:

Latitude	Longitude
60°20'27"N	152°01'36"W
60°20'24"N	151°59'09"W
60°21'04"N	152°00'02"W

The foul line going from 152°00'W east to 151°57.7'W was deleted for scarcity of rocks. Comparison of the hydrographic MLLW to the photogrammetric MLLW will have to wait until the final smooth tides. Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that low water photographs used in the compilation of the manuscripts be furnished to the ships in the field as per the Introduction, paragraph 3. It is recommended that this map be revised in accordance with the notes on the ozalid and the fix information, and then accepted as an advanced manuscript.

Respectfully submitted,

Lt/j Pamela R Chelgren

Lt.(jg) Pamela R. Chelgren, NOAA

FIELD EDIT REPORT
UPPER COOK INLET, ALASKA
OPR 469
SUMMER 1974

INTRODUCTION

Field edit reports are attached for the following maps:

T-12047	T-12345	T-12347	T-12350
T-12344	T-12346	T-12348	

Copies of the field edit ozalids were taken to the field. Only one copy of each photograph was furnished to the ship, so the processed cronapaque photographs had to be used in the field. It is recommended that two copies, one processed and one unprocessed, of cronapaque photographs be furnished to the ships for future projects. Sextant fixes were plotted on the film ozalids and transferred to the field edit ozalids. Height data for all rocks and shoreline is either written directly on the field edit ozalids, or referenced by fix number to the attached data sheets. Sextant fixes were transferred to boatsheets SU-20-1-67, SU-20-2-67, FA-20-1-74, and FA-20-3-74.

Notes have been made in violet on the ozalids, with deletions in green and signal information in orange. All times are based on the 135°W meridian.

Compilation of the maps is apparently good. There were no low water photographs furnished for Kalgin Island (T-12344, T-12347, T-12348, and T-12350). It is virtually impossible to verify photo identified rocks without the low water photographs used to compile the manuscripts. Objects not found in the field on a minus tide and not seen on the photographs made available, were deleted. These objects were quite possibly fishing floats as there are over fifty fishing floats and fishing scows anchored in the waters off Kalgin Island during the summer months. It is recommended in the future that all photographs used in the compilation of the manuscripts be furnished to the ships in the field. All discrepancies on the manuscripts are noted. In some areas comparison of the hydrographic MLLW line with the photogrammetric MLLW line will have to wait until the final smooth tides are available, as the large tides are very critical along flat, sloping beaches. It is recommended that the maps be revised in accordance with the notes on the ozalids and on the attached sheets before acceptance as advanced manuscripts. Field inspection of these maps is complete.

Respectfully submitted,

Lt(jg) Pamela R. Chelgren, NOAA

Approved and Forwarded:

Cdr. Charles A. Burroughs, NOAA
Commanding Officer
NOAA Ship FAIRWEATHER MSS-20

REVIEW REPORT T-12350
SHORELINE

61. GENERAL STATEMENT

See Summary included with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with the following Hydrographic Survey:

H-9435	1:20,000 scale	dated February 22, 1978
H-9437	1:20,000 scale	dated February 13, 1978

There are no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 16661, scale 1:100,000, dated July 27, 1985.

There were no conflicts.

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

James L. Byrd, Jr.
Final Reviewer

Approved for forwarding

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

Chief, Photogrammetric Production Sect.

Chief, Photogrammetry Branch

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

☒ TO BE CHARTED ☐ TO BE REVISED ☐ TO BE DELETED	REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
	Coastal Mapping Div. AMC Norfolk, VA	Alaska	Cook Inlet Southern Part, Kalgin Island	Jul 1975

The following objects HAVE ☐ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
469	PH-6301 (Pt 2)	T-12350	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	Kalgin Island South Light	60 20	42.39 1312	152 04	57.46 881	70E(C) 7409 25 July 1970	F-4-6-L 6/22/74	8553

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD	C. Burroughs	☐ PHOTO FIELD PARTY ☒ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	J. Albright	FIELD ACTIVITY REPRESENTATIVE
	D. Butler	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	C. Blood	☒ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
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.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. 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.

☆ U. S. GPO:1975-0-665-080/1155

FORM C&GS-8352
(3-25-63)

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 Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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