

T-12345

T-12345

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12345	Edition No. 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 HARRIET POINT, NORTH OF	
19 ₆₆ TO 19 ₇₄	
REGISTERED IN ARCHIVES	
DATE	

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"E" FL=152.71mm Wild RC-8"L" FL=152.21mm Wild RC-9"M" FL=88.20mm		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE <input 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(C) 6038 and 6039	17 Jul 66	7:20	1:20,000	2.8 ft below MLLW
**70E(C) 7513 thru 7518	26 Jul 70	12:23	1:20,000	7.0 ft above MLLW
*67M(P) 827 thru 829	9 Jul 67	7:30	1:60,000	0.9 ft above MLLW

REMARKS

*Bridge and compilation photographs. ** Hydro support photographs

2. SOURCE OF MEAN HIGH-WATER LINE:

* The mean high water line was compiled from the above listed 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
* No survey	T-12346	T-12349	No survey

REMARKS

* The MHW line was extended to the North beyond the sheet limits in order to effect a junction with PH-6013, T-12047.

T-12345
HISTORY OF FIELD OPERATIONSI. ☒ FIELD ~~INSPECTION~~ OPERATION Premarking ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	N.E. Taylor	June 1967
2. HORIZONTAL CONTROL	RECOVERED BY R.J.A.	" "
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R.J.A.	" "
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 <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED Premarked		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
67M-842	MUTH, 1944		

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

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

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12345
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	C. A. Burroughs	July 1974
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	Fairweather personnel July 1974
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 IDENTIFIED BY	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	LTJG A. Snella July 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) 66L(C)6038, 6039, and 70E(C)7513 thru 7518			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED N.A.			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> 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-12345 (Field Edit Copy) and the Field Edit Report, OPR-469-FA-74, Map T12345.			

NOAA FORM 76-36D (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
T-12345 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.	Apr 1974	Class III manuscript	Ap 26, 74	Ap 26, 74
Field Edit applied Compilation Complete	Jun 1975	Class I Manuscript	Jul 8, 75	July 9, 75
Final Review	Oct 1986	Final Map	2-11-87	
II. LANDMARKS AND AIDS TO NAVIGATION <u>None</u>				
1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH				
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS	
2. <input type="checkbox"/> REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: <u>None</u> 3. <input type="checkbox"/> REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____				
III. FEDERAL RECORDS CENTER DATA				
1. <input checked="" type="checkbox"/> BRIDGING PHOTOGRAPHS; <input checked="" type="checkbox"/> DUPLICATE BRIDGING REPORT; <input checked="" type="checkbox"/> COMPUTER READOUTS. 2. <input checked="" type="checkbox"/> CONTROL STATION IDENTIFICATION CARDS; <input type="checkbox"/> FORM NOS 567 SUBMITTED BY FIELD PARTIES. 3. <input checked="" type="checkbox"/> SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS: _____ 4. <input type="checkbox"/> 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		

PROJECT PH-6301

(PART-2)

SHORELINE MAPPING

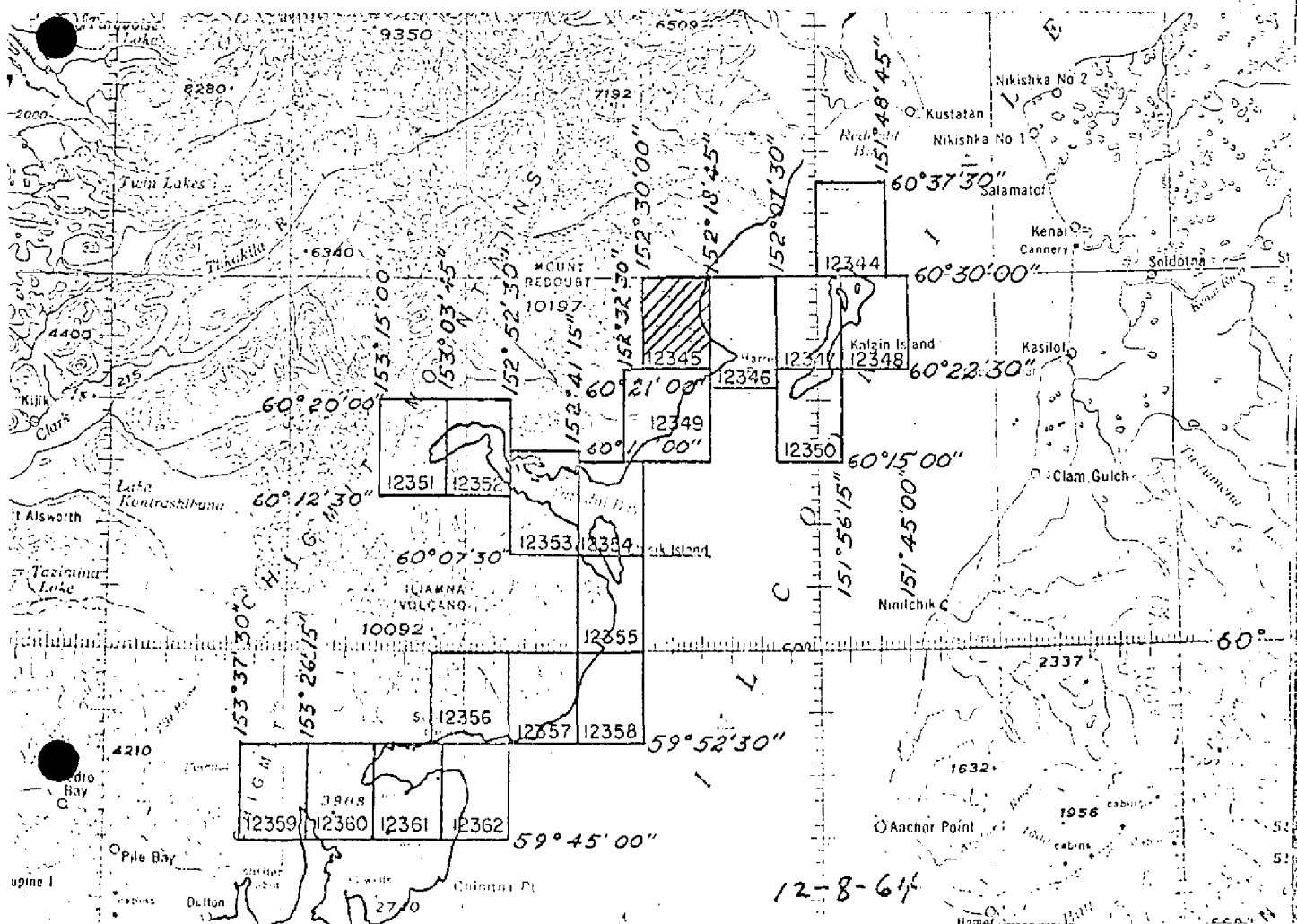
Scale 1:20000
ALASKA

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-12345

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 contemporary shoreline in support of hydrographic 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 July 1967 with the RC-9 "M" camera at 1:60,000 scale using panchromatic film. The map area was photographed in July 1966 with the RC-8 "L" camera at 1:20,000 scale using color film. The map area was also photographed in July 1970 with the RC-8 "E" camera at 1:20,000 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-12345 during the 1974 field season. Field edit was applied at AMC in June 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.

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FIELD INSPECTION

T-12345

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.

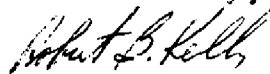
24. Supplemental Data

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

Approved by,


John D. Perrow, Jr.
Chief, Aerotriangulation Section

COMPILATION REPORT

T-12345

31 - DELINEATION

Delineation was accomplished by using the Wild B-8 stereoplotter with 1:60,000 scale panchromatic photography. The photography was adequate. The MHW line was extended to the North beyond the sheet limits in order to effect a junction with PH-6013, sheet T-12047.

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 and by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated using the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water line was delineated from the photographs.

36 - OFFSHORE DETAILS

No offshore details were compiled.

37 - LANDMARKS AND AIDS

None

38 - CONTROL FOR FUTURE SURVEYS

None

T-12345

39 - JUNCTIONS

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

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-7), ALASKA, scale 1:63,360, dated 1957.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: No. 8553, scale 1:194,154 dated Dec 29, 1973, 15th ed.

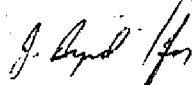
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD


None.

Submitted by:



Irene K. Perkinson
Cartographic Technician
Date: April 23, 1974

Approved:



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

Feb. 6, 1987

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

T-12345

Katchin Creek

Redoubt Bay

Prepared by:

Charles E. Harrington
Charles E. Harrington
Staff Geographer

FIELD EDIT REPORT

MAP T-12345

HARRIET POINT, NORTH OF, ALASKA

JULY 1974

Field edit of map T-12345 was done by Lt(jg) Andrew M. Snella during July, 1974. Field inspection was done at low water and high water in small boats and on foot.

METHOD

Photographs and a copy of the field edit ozalid were examined in the field. All times are based on the 135°W meridian.

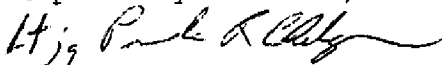
ADEQUACY OF COMPILATION

Compilation of this map is good. The rocks shown on the field edit ozalid were visually verified. All are located at the inshore limit of an extensive mud flat and project less than three feet above the mud. No height data was obtained because of the rocks' inaccessibility and the fact that they are normally dry. None of the rocks has any navigational significance, but they are probably worth charting for general information and reference purposes. No hydrography was run this year in the area covered by map T-12345. Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the ozalid and then be accepted as an advanced manuscript.

Respectfully submitted,



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 cronapague photographs had to be used in the field. It is recommended that two copies, one processed and one unprocessed, of cronapague 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-12345
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-8965	1:20,000 scale	dated February 20, 1967.

There are no major conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 16662, 1:100,000 scale, dated April 9, 1983.

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

J. Byrd, Jr.
James L. Byrd, Jr.
Final Reviewer

Approved for forwarding

Billy H. Barnes
Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved

atp. Jay O. Robson, Jr. Chief, Photogrammetric Production Sect. *Orly Bryan* Chief, Photogrammetry Branch

