

T-12355

T-12355

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. T-12355	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 SNUG HARBOR	
19 ₆₆ TO 19 ₇₈	
REGISTERED 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, VA		SURVEY TP-12355 MAP EDITION NO. (1) MAP CLASS Final Map JOB PH. 6301 Part 2	
OFFICER-IN-CHARGE Jeffrey G. Carlen		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation June 27, 1975 Compilation Oct 9, 1975 " Amend. I. May 20, 1976			
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 Traverse 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 LANDMARKS AND AIDS BY		S. Solbeck J. Perrow	Sept 1975
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat PLOTTED BY CHECKED BY		S. Solbeck J. Perrow	Sept 1975 "
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000 PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY		C. Blood J. Roderick N/A N/A	July 1978 "
4. MANUSCRIPT DELINEATION METHOD: SCALE: PLANIMETRY BY CHECKED BY CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY		I. Perkinson F. Margiotta N/A N/A I. Perkinson F. Margiotta	July 1978 July 1978
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		F. Margiotta	July 1978
6. APPLICATION OF FIELD EDIT DATA BY		F. Mauldin	Dec 1979
7. COMPILATION SECTION REVIEW BY		F. Margiotta	Dec 1979
8. FINAL REVIEW BY		C. Blood/J. Byrd	Nov 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

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"E" and RC-9"M" FI=152.71mm FI=88.20mm		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	
70E(C) 7196-7200	July 25,70	11:38	1:40,000	5.1 ft above M.L.L.W.	
70E(C) 7188-7189*	"	11:27	1:40,000	5.5 "	
70E(C) 7182-7184*	"	11:18	1:40,000	5.8 "	
70E(C) 7340-7344**	"	14:00	1:20,000	4.3 "	
70E(C) 7549-7553**	July 26,70	12:58	1:20,000	6.3 "	
70E(C) 7544-7546**	"	12:50	1:20,000	6.5 "	
70M(P) 264-267***	July 20,70	--	1:60,000	--	

REMARKS * Compilation photography ** Hydro support photography
*** Bridge photography

2. SOURCE OF MEAN HIGH-WATER LINE:

* The mean high water was compiled from the above compilation photography.

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-12354	No survey	T-12358	No survey

REMARKS

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD ~~INSPECTION~~ OPERATION Premarking ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	E. Taylor	June 1970
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None E.A.T. June 1970 J.D.S. and R.S.Y. "
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None None None None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None None
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	None --
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None --

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
Premarked2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70M-263	August 1970		
70M-266	DAN. 1970		

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 ☒ NONE6. 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)

2-form 152, and 1-Geodetic Traverse Report, Pathfinder, 1970

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

T-12355

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	B. Williams	Jun-Aug 1978
2. HORIZONTAL CONTROL	J. Quinlin	July 1978
RECOVERED BY	None	
ESTABLISHED BY	None	
PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	None	
RECOVERED BY	None	
ESTABLISHED BY	None	
PRE-MARKED OR IDENTIFIED BY	None	
4. LANDMARKS AND AIDS TO NAVIGATION	None	
RECOVERED (Triangulation Stations) BY	J. Quinlan	July 1978
LOCATED (Field Methods) BY	R. Crowell	July 1978
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		
6. PHOTO INSPECTION	None	
CLARIFICATION OF DETAILS BY		
7. BOUNDARIES AND LIMITS	None	
SURVEYED OR IDENTIFIED BY		

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
70E(C) 7546	Chisik Island Light		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. 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)

Field edit data volumes (3)

Field edit report

NOAA FORM 76-36C
(3-72)

T-12355

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

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. L. Speer	June 1979
2. HORIZONTAL CONTROL	RECOVERED BY P. Quinlan	" "
	ESTABLISHED BY P. Quinlan	" "
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
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 M. Willis	June 1979
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

P. Quinlan

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
70E(C) 7343	Iliamna Point, 1979 (established)		
70E(C) 7344	Noel, 1979 (established)		

3. PHOTO NUMBERS (Clarification of details)

25 Jul 70E(C) 7343, 7344

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

None

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

Field Edit Report and Field Edit Data

NOAA FORM 76-36D (3-72)		U. S. DEPARTMENT OF COMMERCE T-12355 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
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	Jul 29, 78	Class III manuscript	Aug 7, 1978	Aug 7, 1978
Partial field edit applied	Dec 1978	Class III manuscript	Dec 8, 1978	Dec 8, 1978
Final Review	Nov 1986	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		Dec 20, 1978	aid to be charted	
2. <input checked="" type="checkbox"/> REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: <u>Dec 20, 1978</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 checked="" type="checkbox"/> FORM NOS ⁷⁶⁻⁴⁰ 55 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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-12355

This 1:20,000 scale Final Class III 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 1970 field season consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in July 1970 with the RC-9 "M" camera at 1:60,000 scale using panchromatic film. The map area was also photographed in July 1970 with the RC-8 "E" camera at 1:40,000 and 1:20,000 scale using color film.

Aerotriangulation was completed at the Washington office June 27, 1975.

This map was compiled at the Norfolk office in July 1978.

Field edit was acquired for T-12355 during the 1978 and 1979 field season. Field edit was applied at AMC in December 1979.

Final review was accomplished at the Atlantic Marine Center in November 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-12355

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

21. Area Covered

The area covered by this report is the western shoreline along Cook Inlet, Alaska, from Chinita Bay to Tuxedni Bay. This area is covered by 13 1:20,000 sheets; T-12349, T-12351-12362.

22. Method

Three strips of 1:60,000 scale black-and-white panchromatic photography were bridged by analytic aerotriangulation methods.

Common points were located on the bridging photography and the 1:20,000 color photography being used for ratio purposes. In addition, common points were located on the bridging and 1:30,000 photography being used for compilation. Tie points were used on all three strips to insure an adequate junction of all photography during the strip adjustment. Ratio prints were ordered. The T-sheet manuscripts were plotted on the Coradomat.

23. Adequacy of Control

Control checked within map accuracy standards, but due to the fact that this area is within the 1964 earthquake zone, some local stations could have moved.

Station F00, 1970, could not be held in the strip adjustment and this is believed to be the cause.

On September 3, 1975, Geodesy informed this office that not enough data was available to make any significant changes on the horizontal control in this area.

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 for the job.

Submitted by,

Stephen H. Solbeck
Stephen H. Solbeck

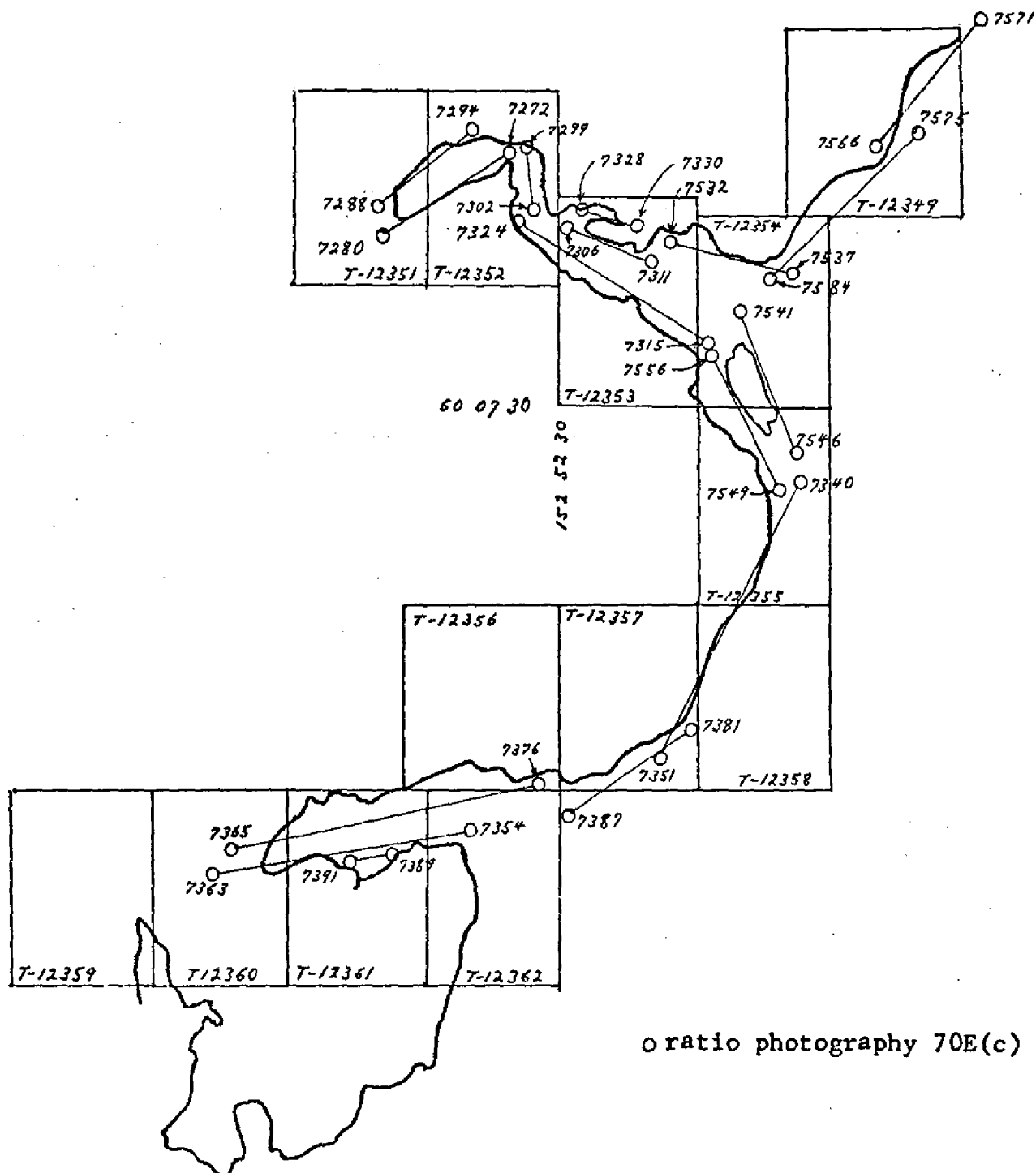
Approved and forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.

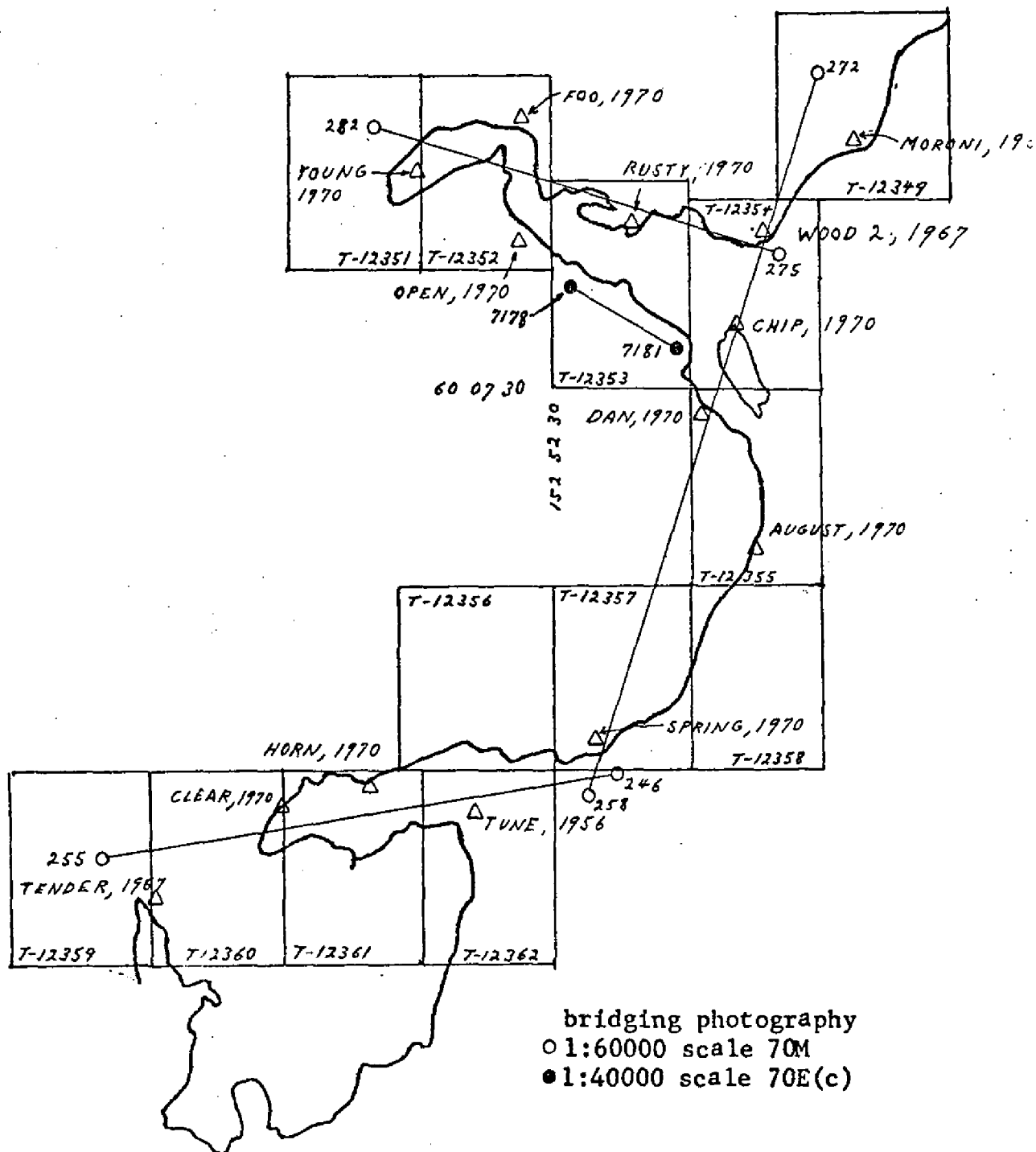
Chief, Aerotriangulation Section

29 SEP 75

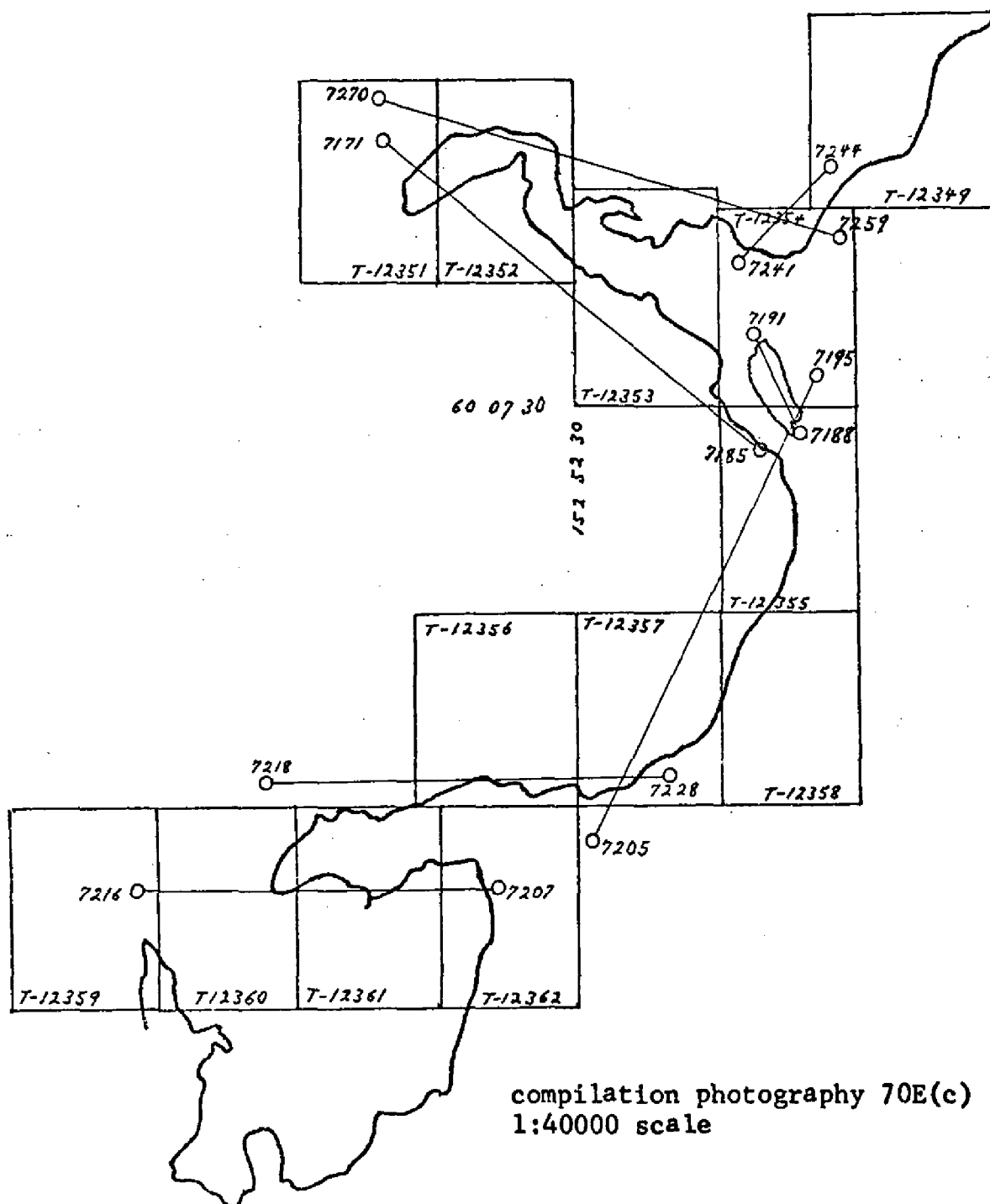
AEROTRIANGULATION SKETCH
 COOK INLET ALASKA
 PART-2
 PH-6301
 September, 1975



AEROTRIANGULATION SKETCH
 COOK INLET ALASKA
 PART-2
 PH-6301
 September, 1975



AEROTRIANGULATION SKETCH
COOK INLET ALASKA
PART-2
PH-6301
September, 1975



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. T-12355	JOB NO. PH-6301	GEODETTIC DATUM N.A. 1927		ORIGINATING ACTIVITY Coastal Mapping Division, AMC	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 5	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
DAN 1970 *	Geodetic Traverse Report 1970 Pathfinder	266100	x= y=	φ 60 07' 03.295" λ 152 38' 12.675"	
MILL, 1970 *	"	4	x= y=	φ 60 05' 44.292" λ 152 33' 46.618"	
CANNERY, 1970 *	"	5	x= y=	φ λ 60 06' 38.247"	
BAKE, 1970	"	6	x= y=	φ 152 34' 55.586" λ 60 04' 11.766"	
SLOPE, 1970 *	"	7	x= y=	φ 152 34' 24.813" λ 60 03' 10.554"	
			x= y=	φ 152 34' 44.504" λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
* Unadjusted field positions used for bridge.			x= y=	φ λ	
			x= y=	φ λ	
COMPUTED BY A. C. Rauck, Jr.		DATE 4/18/74	COMPUTATION CHECKED BY C. Blood		
LISTED BY		DATE 10/23/75	LISTING CHECKED BY		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		

COMPILATION REPORT

T-12355

31 - DELINEATION

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

32 - CONTROL

See the attached Photogrammetric Plot Report, dated October 9, 1975.

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 from the photographs.

36 - OFFSHORE DETAILS

Offshore rocks and mud flats were compiled from the compiler's interpretation of the compilation photographs.

37 - LANDMARKS AND AIDS

One charted light was noted, but no landmarks were noted during compilation.

38 - CONTROL FOR FUTURE SURVEYS

None

T-12355

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to photogrammetric plot report, dated September 29, 1975.

46 - COMPARISON WITH EXISTING MAPS

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

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Survey chart: No. 16640, scale 1:200,000 dated May 25, 1974, 13th ed.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

Irene Perkinson

Irene Perkinson
Cartographic Technician
Date: July 27, 1978

Approved:

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

Feb. 6, 1987

GEOGRAPHIC NAMES

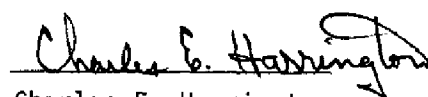
FINAL NAME SHEET

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

T-12355

Chisik Island
Cook Inlet
Iliamna Point
Snug Harbor
Tuxedni Channel

Prepared by:


Charles E. Harrington
Staff Geographer

Field Edit Report
OPR-P114-FA-78
Redoubt Point, Tuxedni Bay

GENERAL

This report covers field edit work done on topographic manuscripts T-12349 and T-12351 through T-12355. Work was performed by LTjg Crowell, ENS Finke and ENS Roberts during the months of June, July and August 1978.

RECOMMENDATIONS

It could be very helpful if color photographs were supplied to parties assigned to field work in addition to black and white photographs. Many features which are obvious in the field do not show up at all on black and white photographs.

Submitted by

Robert B Crowell

Robert B Crowell
LTjg, NOAA

Approved by

Bruce I Williams

Bruce I Williams
Commanding Officer
NOAA Ship Fairweather

T-12355

DESCRIPTION

In the area field edited, steep hillsides and bluffs extend down to the water line. Beach areas are small or nonexistent and usually rocky. Erosion has littered the water line with rocks and boulders.

METHOD

Field edit was done from a skiff. Location of offshore rocks was done at a negative tide. Rocks located from the photographs were verified by visual identification.

Shoreline and other features were verified from close inshore at fairly low tide. The original and photographs were examined in the field.

Control for fixes was range-azimuth, using a Wild T-1 theodolite and Motorola Mini-ranger equipment. Information on stations and equipment used is appended.

ADEQUACY AND COMPLETENESS OF COMPILATION

Compilation of the manuscript is inadequate south of $60^{\circ} 02.0'$. Shoreline in that area has changed radically. No field work was done there due to lack of time.

MANUSCRIPT ACCURACY

The positions of stations MILL 1970 and DAN 1970 (the latter determined from remains of photo panelling) in relation to surrounding features agreed well with the manuscript.

RECOMMENDATIONS

Field work must be completed before the manuscript can be upgraded.

FIELD EDIT REPORT

Map T-12355

Snug Harbor

June, 1979

DESCRIPTION

The northern limit of incompleted field edit for this sheet was defined by latitude 60°02'00"N. This section is directly influenced by the Johnson River confluence. An extremely shallow mud flat area extends as much as a 1/4 mile out from the MHWL. Sand bars and gravel depositions are frequently susceptible to movement and tide rips occur at both diverging outlets.

METHOD

Field edit was done on foot, in order to accurately delineate the MHWL in the interior areas of the river mouth which is unnavigable. The general area was also viewed numerous other times, from hydro launches, thereby observing different tide ranges. All changes to the MHWL and marsh limits have been outlined on the aerial photographs.

ADEQUACY AND COMPLETENESS OF COMPILATION

Compilation of the manuscript was fairly adequate, with the following exceptions. Delineation of the MHWL was in some areas shown as the vegetation line, however the MHWL extends out farther in the northern section and sand lines extend inland farther on the south side of the river. Reinterpretation of these boundaries are noted on the aerial photographs.

MANUSCRIPT ACCURACY

The manuscript as compiled, compared fairly well with the field inspection. Since the time the photos were taken, obvious sand bar movement accounts for a majority of the errors.

RECOMMENDATION

This manuscript should be accepted for charting purposes after the corrections have been applied. Consideration should be giving to putting a note on the manuscript about the migrating sand bars.

Submitted by:

Michael J. Willis
Michael J. Willis
ENS, NOAA

Approved by:

A. J. Patrick
A. J. Patrick, CAPT, NOAA
Commanding Officer

REVIEW REPORT T-12355,
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 Surveys:

H-9773	1:20,000 scale	dated September 15, 1980
H-9827	1:20,000 scale	dated April 21, 1981

There were no major conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

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

There were no major 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

Charles E. Blood for (1342)
James L. Byrd, Jr.
Final Reviewer

Approved for forwarding

Billy H. Barnes
Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved

July O. Raham p.

Chief, Photogrammetric Production Sect.

W. Byrd

Chief, Photogrammetry Branch

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	J. Quinlan
POSITIONS DETERMINED AND/OR VERIFIED	J. Quinlan
	F. Mauldin
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	J. Byrd
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 (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
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH 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 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

