00620

TP- 00620

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.*
TP-00620	1

Job No.
CM-7414

Map Classification
FINAL

Type of Survey
SHORELINE

LOCALITY

State
ALASKA

General Locality
YAKUTAT BAY

Locality
REDFIELD COVE

19 75 TO 19 78

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: ☐ ORIGINAL ☐ RESURVEY ☐ REVISED

SURVEY TP- 00620

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH- CM-7414

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: J. Collins, CDR, NOAA

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	Nov. 19, 1975	Horizontal Control	May 23, 1974
Office	Nov. 3, 1976	Premarking Supplement I	Apr. 29, 1975
		Premarking Supplement II	May 10, 1976

II. DATUMS

1. HORIZONTAL: ☒ 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: ☒ MEAN HIGH-WATER ☐ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Oblique Mercator

4. GRID(S): STATE: Alaska; ZONE: 1

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	D. Norman	Oct 1976
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	S. Solbeck	Oct 1976
	CHECKED BY		
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	J. Schad and J. Taylor	Dec 1976
	CHECKED BY	P. Dempsey	Dec 1976
INSTRUMENT: Wild B-8 Stereoplotter	CONTOURS BY	N.A.	
SCALE: 1:20,000	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. Rich	Feb 1977
	CHECKED BY	J. Battley, Jr.	Feb 1977
METHOD: B-8 Worksheet-Graphic	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
SCALE: 1:20,000	HYDRO SUPPORT DATA BY	R. Rich	Feb 1977
	CHECKED BY	J. Battley, Jr.	Mar 1977
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	P. Dempsey	Mar 1977
6. APPLICATION OF FIELD EDIT DATA	BY	G. Morris	Mar 1977
	CHECKED BY	C. Goff	Apr 1979
7. COMPILATION SECTION REVIEW	BY	C. Goff	Apr 1979
8. FINAL REVIEW	BY	L. O. Neterer, Jr.	Sept 1986
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	L. O. Neterer, Jr.	Sept 1986
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Nov. 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E.F. DAUGHERTY	Dec '86

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

TP-00620

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-8E (152.71mm)
RC-10C (88.47mm) RC-10Z (153.14mm)

TIDE STAGE REFERENCE
- ☐ PREDICTED TIDES
- ☒ REFERENCE STATION RECORDS
- ☐ TIDE CONTROLLED PHOTOGRAPHY

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

TIME REFERENCE
ZONE: Yukon — ☒ STANDARD
MERIDIAN: 135°W — ☐ DAYLIGHT

	NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*	75C(C)7617 thru 7619	Aug.30,1975	13:18	1:60,000	4.1 ft. above MLLW
**	75C(C)7610	Aug.30,1975	13:10	1:60,000	3.9 ft. above MLLW
**	75Z(C)7120 thru 7123	Jul.10,1975	13:43	1:30,000	8.2 ft. above MLLW
	75E(I)1049 thru 1061	Jul.10,1975	13:45	1:30,000	8.2 ft. above MLLW

REMARKS
*
** Photographs prepared for hydro support.

2. SOURCE OF MEAN HIGH-WATER LINE:

*B-8 stereoplotter compilation - contouring 4 ft. above waterline was used to compile the MHWL.

Infrared photographs were used to verify the MHWL.

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

No MLLW line was 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
TP-00618	None	None	TP-00619

REMARKS

☆U.S.GOVERNMENT PRINTING OFFICE: 1985-564-007

NOAA FORM 76-36C
(3-72)

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

TP-00620

HISTORY OF FIELD OPERATIONS

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

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Melby	June 1975
2. HORIZONTAL CONTROL	RECOVERED BY	R. Melby	June 1975
	ESTABLISHED BY	R. Melby	June 1975
	PRE-MARKED OR IDENTIFIED BY	L. L. Riggers	
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: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [xx] 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
Premarked

2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME
75C(C)6484	GRASS, 1941, sub. pt.
75C(C)6483	KRUTOI, 1941, sub. pt.
75C(C)6486	YAKAIR, 1974

PHOTO NUMBER	STATION DESIGNATION

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 [xx] NONE

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

7. SUPPLEMENTAL MAPS AND PLANS
None

8. OTHER FIELD RECORDS (*Sketch books, etc.* **DO NOT** *list data submitted to the Geodesy Division*)
3 Forms 152, Control Station Identification Cards

☆ 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

TP-00620

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		C. Hayes, CDR, NOAA	Sept 1978
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	J. Calebaugh, LCDR, NOAA	Sept 1978
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*

75Z(C) 7123, 75C(C) 7618, 7619

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

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)*

One field edit ozalid, one sounding volume for TP-00620
Field Edit Report

☆ 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

TP-00620

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and alongshore detail for hydro support	Feb. 1977	Map Class III horizontal control adequate	Mar. 1977	Mar. 1977
Field Edit applied Compilation Complete	Apr. 1979	Class I Manuscript	Jun. 27, 1979	
Final Review	Feb. 1983	Final	NOV. 1986	

II. LANDMARKS AND AIDS TO NAVIGATION NONE

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

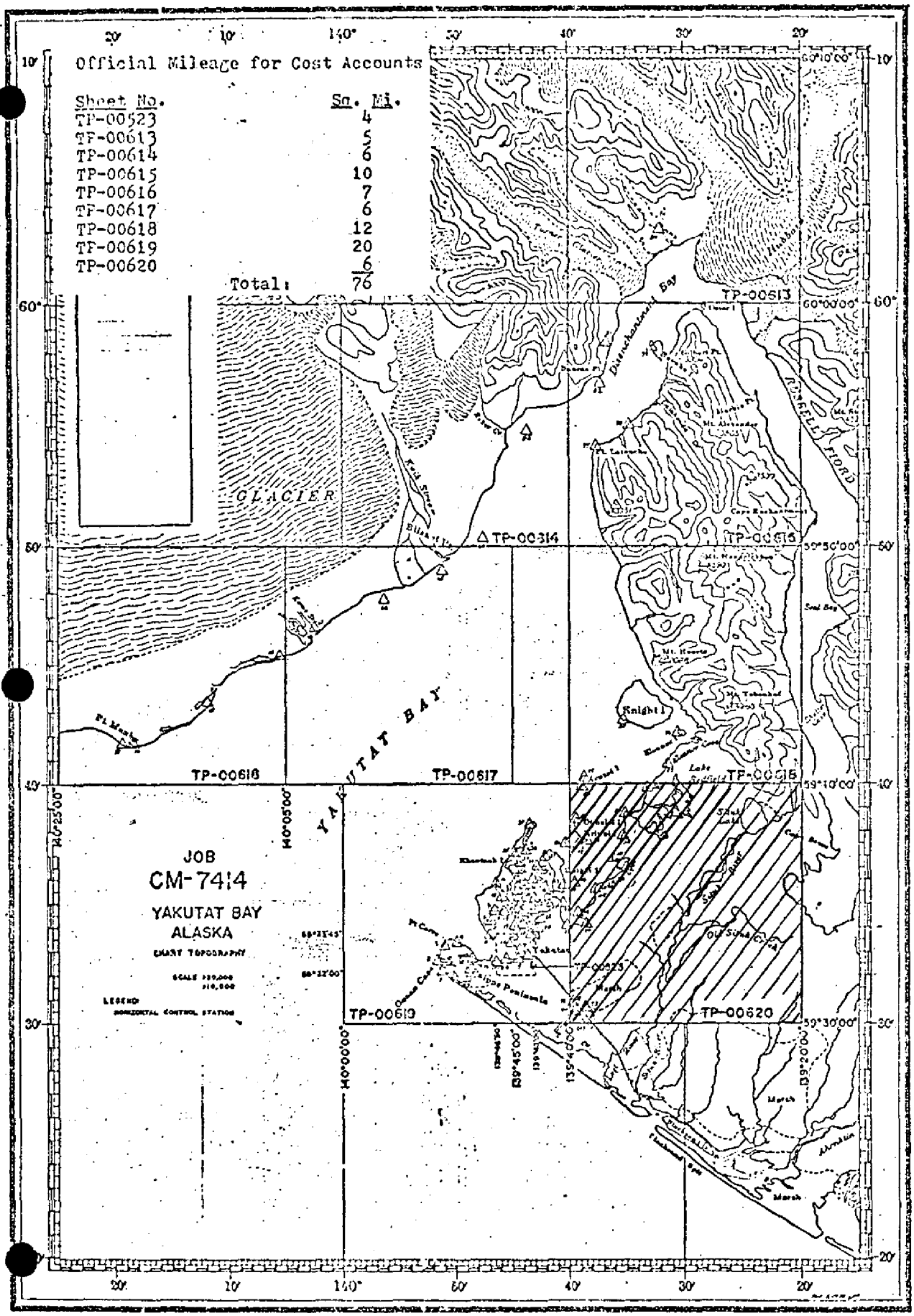
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS ~~587~~ 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

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


Official Mileage for Cost Accounts
Sheet No. Sq. Mi.
TP-00523 4
TP-00613 5
TP-00614 6
TP-00615 10
TP-00616 7
TP-00617 6
TP-00618 12
TP-00619 20
TP-00620 6
Total: 76
GLACIER
YAKUTAT BAY
RUSSELL FIORD
TP-00613
TP-00614
TP-00615
TP-00616
TP-00617
TP-00618
TP-00619
TP-00620
TP-00623
JOB
CM-7414
YAKUTAT BAY
ALASKA
LEGEND
SCALE 1:120,000
SCALE 1:120,000
Rev. 2-17-75

8402

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00620

This 1:20,000 scale shoreline maps is one of nine maps that comprise project CM-7414, Yakutat Bay, Alaska. This project encompasses Yakutat Bay to Disenchantment Bay, latitude 59° 30' 00" north to latitude 60° 10' 00".

Field work prior to compilation consisted of the identification of horizontal control by premarking techniques to meet aerotriangulation requirements. This was accomplished in June 1975.

Photographic coverage was provided in July and August 1975 using color film with the "C" camera (focal length = 88.47 millimeters) at 1:60,000 scale and infrared film with the "E" camera (focal length 153.14 millimeters) at 1:30,000 scale.

Analytic aerotriangulation was performed at the Washington Science Center in October 1976.

Compilation was performed at the Rockville, Maryland office in March 1977.

Field edit was accomplished during June 1975.

Application of Field Edit was completed in April 1979 at the Pacific Marine Center.

Final Review was performed at the Atlantic Marine Center in September 1986.

This Descriptive Report contains all pertinent information used to compile this final map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

CM-7414

TP-00620

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

Photogrammetric Plot Report
Yakutat Bay, Alaska
CM-7414

October 21, 1976

21. Area Covered

This report pertains to nine sheets in Yakutat Bay, Alaska. The sheets are TP-00613 thru TP-00620 of 1:20,000 scale and TP-00523 of 1:10,000 scale.

22. Method

Three strips were bridged by analytic aerotriangulation methods. The strips were adjusted to ground in the Alaska Zone 1 State Plane Coordinate System. Points were established for determining ratios of 1:60,000 scale offshore photography. Points were also established for setting models of 1:30,000 scale photography on sheet TP-00619. Ratios of 1:30,000 scale infrared, MHW photography were also determined for coverage of sheet TP-00619. Ratios have been ordered. All sheets were plotted on the Coradomat.

23. Adequacy of Control

A discrepancy exists between two horizontal control stations: CENTER RADIO TOWER, 1941 and YAKAIR, 1974. CENTER RADIO TOWER is a terminal station for strip 3 and YAKAIR is a terminal station for strip 2. In the vicinity of these stations the two strips overlap. Tie points indicate a difference of approximately 12 feet in X and 6 feet in Y.

YAKAIR is located at the Yakutat Airport. Three other points at the airport, with known positions were also measured. These points agree with CENTER RADIO TOWER, but not with Yakair. Stations at the airport were tied to datum in 1967 by triangulation and traverse from station CAVE, 1941. The azimuth station was BOLD, 1941 with CENTER RADIO TOWER used as a check. The check was 0.9 seconds.

The Geodesy Division checked the 1974 field data but could find nothing wrong. It was suggested that earthquake movement could be responsible for the discrepancy.

It was decided to complete the project even though the discrepancy has not been resolved. Strip 2 was adjusted on tie points from strip 3. YAKAIR was not used.

24. Supplemental Data

No supplemental data was used.

25. Photography

The photography was adequate.

Submitted by:

Don O. Norman

Don O. Norman

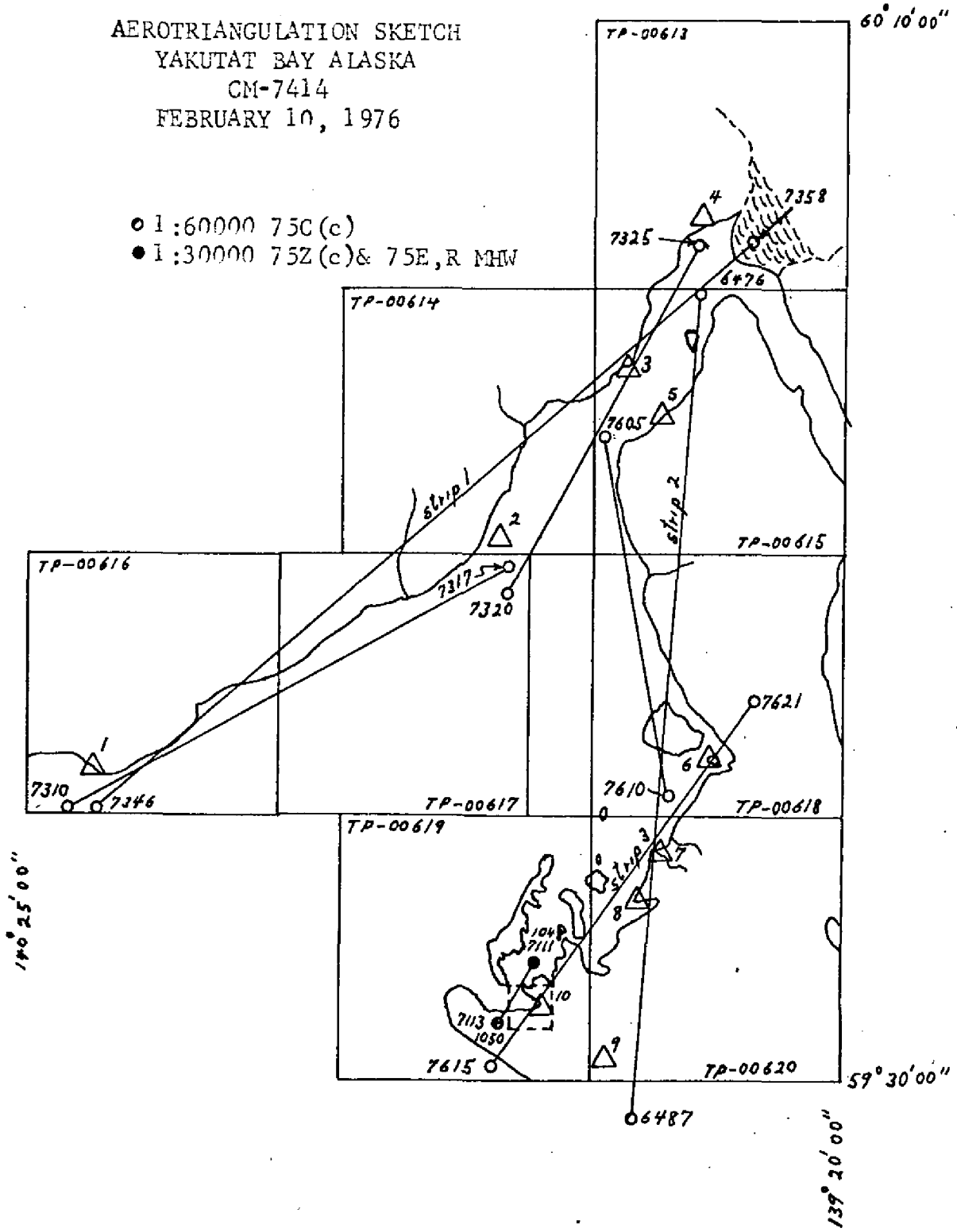
Approved by:

John D. Perrow Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section

AEROTRIANGULATION SKETCH
YAKUTAT BAY ALASKA
CM-7414
FEBRUARY 10, 1976

- 1:60000 75C(c)
- 1:30000 75Z(c)& 75E,R MHW



	fit to control (feet)	
strip 1		
1	BEACH 7ET (USGS), 1959	(0.3, 0.1)
2	BLIZ, 1974	(1.5, 1.3)
3	BANCAS, 1974	(5.3, 3.8)
5	DOLCE, 1974	(1.1, 2.3)
4	HUB, 1974	(0.2, 1.1)
strip 2		
	357801	(0.7, 5.6)
	357802	(2.8, 7.6)
5	DOLCE, 1974	(2.1, 4.6)
6	LEAN, 1974	(4.5, 2.1)
7	KRUTOI, 1941	(2.5, 2.9)
8	GRASS, 1941	(2.1, 0.6)
	486801	(1.5, 1.8)
strip 3		
10	CENTER RADIO TOWER, 1941	(0.0, 0.0)
8	GRASS, 1941	(0.0, 0.0)
7	KRUTOI, 1941	(1.5, 1.0)
6	LEAN, 1974	(0.0, 0.0)

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
TP-00620	CM-7414	N. A. 1927	Photogrammetric Br. P.M.C.

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 1	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
Foxy, 1941	59139 Page 5		x= 1,581,259.33 y= 2,909,600.65	φ 59°39'49.598" λ 139°38'43.763"	1534.9m (321.9m) 685.2m (254.3m)
Goon, 1941	59139 Page 5		x= 1,598,384.24 y= 2,908,193.25	φ 59°39'50.717" λ 139°33'09.274"	1569.5m (287.3m) 145.2m (794.3m)
Grow, 1941	59139 Page 6		x= 1,582,491.17 y= 2,884,197.07	φ 59°35'41.464" λ 139°37'35.911"	1283.1m (573.7m) 563.4m (378.0m)
Herring, 1941	59139 Page 6		x= 1,590,941.28 y= 2,887,671.70	φ 59°36'22.924" λ 139°34'58.348"	709.4m (1147.4m) 915.1m (25.9m)
Humpy, 1941	59139 Page 6		x= 1,591,850.24 y= 2,902,111.37	φ 59°38'45.381" λ 139°35'05.524"	1404.4m (452.4m) 86.5m (853.4m)
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	

COMPUTED BY G. Morris	DATE March 79	COMPUTATION CHECKED BY C. W. Goff	DATE March 79
LISTED BY G. Morris	DATE March 79	LISTING CHECKED BY C. W. Goff	DATE March 79
HAND PLOTTING BY G. Morris	DATE March 79	HAND PLOTTING CHECKED BY C. W. Goff	DATE March 79

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

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
TP-ØØ62Ø	CM-7414	N. A. 1927	Coastal Mapping

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 1	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
Ermine, 1941	59139 Page 5	ØØØØ47	x= 1,587,613.95 y= 2,891,595.1Ø	φ59° 36' 58.519" λ139° 36' Ø9.5Ø7"	1811.Øm (45.8m) 149.1m (791.7m)
Fitz, 1941	59139 Page 5	ØØØØ44	x= 1,577,Ø55.3Ø y= 2,886,53Ø.87	φ 59° 35' 59.587" λ139° 39' 25.142"	1844.Øm (12.8m) 394.4m (546.8m)
Grass, 1941	59139 Page 5	4841ØØ	x= 1,581,Ø28.93 y= 2,895,641.31	φ 59° 37' 32.453" λ139° 38' 24.Ø15"	1ØØ4.3m (852.5m) 376.5m (564.Øm)
Yakair, 1974	Field GP (Unadj.)	4861ØØ	x= 1,574,539.299 y= 2,852,896.282	φ 59° 3Ø' 27.42Ø" λ139° 39' 15.467"	848.5m (1ØØ8.2m) 243.3m (7ØØ.5m)
Yakutat Airport Aero Beacon, 1974	Field GP (Unadj.)	ØØØØ74	x= 1,572,356.Ø11 y= 2,853,993.473	φ 59° 3Ø' 36.261" λ139° 39' 59.5Ø4"	1122.1m (734.7m) 935.5m (Ø8.3m)
Yakutat Vortac, 1974	Field GP (Unadj.)	ØØØØ73	x= 1,576,114.Ø7Ø y= 2,854,Ø41.42Ø	φ 59° 3Ø' 4Ø.Ø38" λ139° 38' 47.Ø54"	1239.Øm (617.7m) 74Ø.1m (2Ø3.6m)
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
LISTED BY G. Morris	DATE 3/79	LISTING CHECKED BY C. Goff	DATE 4/79
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

Compilation Report
TP-00620
February 1977

31. Delineation

The MHW line, foreshore features, and planimetry were compiled from 1:60,000 scale color photography taken in August 1975. This compilation was done on the B-8 stereoplotter with reference to the MHWL from 1:30,000 scale infrared ratio prints. (Refer to NOAA Form 76-36B.)

Photo-hydro support photography (1:60,000 scale color ratioed to 1:20,000 scale) were prepared in the usual manner. Good resections of photograph centers were obtained. Shoreline points and other control points all held well affording adequate coverage for positioning hydrographic signals.

32. Horizontal Control

(See Photogrammetric Plot Report.)

33. Supplemental Data - *None*

34. Contours and Drainage

Contours are not applicable. Drainage was compiled from 1:60,000 scale photos on the B-8 stereoplotter.

35. Shoreline and Alongshore Details

Discrepancies exist in rock delineation between this compilation and the published chart. Differences should be resolved during field edit.

36. Offshore Details

No unusual problems were encountered in compiling details from the 1:60,000 scale photography.

37. Landmarks and Aids to Navigation - None

38. Control for Future Surveys - None

39. Junctions

Junctions with TP-00618 and TP-00619.

40. Horizontal and Vertical Accuracy

This map complies with the National Map Accuracy Standard.

41 through 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with the following USGS quads:

Yakutat (C4) Alaska; 1959; 1:63,360
Yakutat (C5) Alaska; 1959; 1:63,360
Yakutat - Alaska - Canada; 1959; 1:250,000

47. Comparison with Existing Charts

Comparison was made with the following nautical chart:

16761 (8455) - 11th Edition, August 28, 1976; 1:80,000 scale.

Items to be Applied to Nautical Charts Immediately: Entire shoreline compilation.

Items to be Carried Forward: None

Submitted by:

R. Rich
Cartographer

Approved and Forwarded:

J. P. Battley, Jr.
Chief, Coastal Mapping Section

OCT 2 1985

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7414 (Yakutat Bay, Alaska)

TP-00620

Broken Oar Cove
Fitzgerald Island
Gregson Island
Humpback Cove
Humpback Creek
Kooiak Point
Kriwoi Island
Krutoi Island
Lake Redfield
Onklat Creek
Otmeloi Island
Redfield Cove
Sawmill Cove

Approved:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division
Charting and Geodetic Services

FIELD EDIT REPORT

TP-00620

YAKUTAT BAY, ALASKA

OPR-0121(525)-DA-78

NOAA SHIP DAVIDSON

1978

FIELD EDIT REPORT
TP-00620

Yakutat Bay, Alaska
OPR-0121(525)-DA-78

NOAA SHIP DAVIDSON
1978

ABSTRACT OF TIME OF HYDRO

51. METHODS

Field edit on TP-00620 was accomplished in accordance with Project Instructions OPR-0121(525)-DA-78, Yakutat Bay, Alaska, dated 13 March 1978, and PMC OPORDER procedures for field edit, Change No. 2-77, and Chapter 11, Manual of Coastal Mapping Field Procedures.

Field edit investigations were conducted on the following dates:

DATE	JD	TIMES(GMT)	FIXES(VISUAL)	WEATHER
7/20/78	201	1430 - 1830	1001 - 1005, 7501	Continuous rain/fog
7/22/78	202	1530 - 1800	1006 - 1016	Continuous rain/fog
7/23/78	203	1615 - 1800	1017	Rain
8/3/78	214	1600 - 1700	1018 - 1023	Rain
8/6/78	217	1730 - 1900	1024 - 1028	Intermittent drizzle

All investigations on these dates were conducted from small boats traveling closely along the shoreline at or below MLLW. Three-point sextant fixes were used to locate features not compiled on the topographic manuscript. Data for these fixes are recorded in a sounding volume accompanying this report. Ratio photographs were taken along on these investigations, but due to poor image quality of the prints, the fact that the photos were taken at MHW and the continuous rain during most of the times of field edit, the photos were never used. Also, due to the constant threat of heavy rain or fog, a decision was made to field two field edit teams. With only one field copy of the T-sheet, the discrepancy print was also taken out into the field and used as a field copy.

Ink colors used to process field edit data are as follows:

Field Edit Sheet:
- Violet - Verification
- Green - Deletions
- Red - Additions

Final Field Sheet:
- Black - Manuscript, no change
- Red - Additions (Hydro D.P.'s)

The tide gage installed in Redfield Cove should be used for tides control.

52. MANUSCRIPT ACCURACY

The manuscript compilation is adequate and complete for charting with this field edit applied.

53. MAP ACCURACY

The high water line as depicted on the manuscript is accurate.

54. RECOMMENDATIONS

This manuscript should be considered complete with the corrections compiled during this field edit.

55. MISCELLANEOUS

There were no floating aids or landmarks on this manuscript.

Submitted by,

Jeff P. Calebaugh
LCDR, NOAA
Field Operations Officer

Approved and Forwarded by,

C.W. Hayes
CDR, NOAA
Commanding Officer

REVIEW REPORT
SHORELINE

TP-00620

61 - GENERAL STATEMENT

See Summary included with this report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. quadrangle: Yakutat (C-5), Alaska, scale 1:63,360, and dated 1959.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with the final field sheet of H-9694, scale 1:20,000 dated July 6 thru September 15, 1978.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with N.O.S. Charts:
Chart 16760, 7th edition, 1:300,000 scale, dated March 16, 1985
Chart 16761, 13th edition, 1:80,000 scale, dated August 18, 1984.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by
Lowell O. Neterer, Jr.
Final Reviewer
September 24, 1986

Approved for forwarding
Billy H. Barnes
Chief, Photogrammetric Section

Approved

Chief, Photogrammetric Section
Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch
Rockville

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
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