

TP-00613

TP-00613

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00613	Edition No. 1
Job No. CM-7414	
Map Classification FINAL	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality YAKUTAT BAY	
Locality DISENCHANTMENT BAY	
19 ₇₅ TO 19 ₇₈	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 00613 MAP EDITION NO. (1) MAP CLASS Final JOB PH CM-7414	
DESCRIPTIVE REPORT - DATA RECORD							
PHOTOGRAMMETRIC OFFICE Rockville, Maryland				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE J. Collins, CDR, NOAA				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 November 19, 1975 Office November 3, 1975				Horizontal Control May 23, 1974 Premarking Supplement I April 29, 1975 Premarking Supplement II May 10, 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 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 BY METHOD: Analytic LANDMARKS AND AIDS BY				D. Norman		Oct 1976	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY				S. Solbeck		Oct 1976	
				J. Perrow		Oct 1976	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				J. Taylor		Jan 1977	
				P. Dempsey		Jan 1977	
INSTRUMENT: Wild B-8 Stereoplotter				N.A.			
SCALE: 1:20,000				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. Rich		Feb 1977	
				J. Battley, Jr.		Feb 1977	
METHOD:				N.A.			
				N.A.			
SCALE:				R. Rich		Feb 1977	
				J. Battley, Jr.		Feb 1977	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				P. Dempsey		Feb 1977	
6. APPLICATION OF FIELD EDIT DATA BY				G. Morris		Dec 1978	
				C. Goff		Apr 1979	
7. COMPILATION SECTION REVIEW BY				C. Goff		Apr 1979	
8. FINAL REVIEW BY				L. O. Neterer, Jr.		Jul 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. L. DAGHERTY		DEC '86	

NOAA FORM 76-36B
(3-72)

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

TP-00613
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-10C (focal length = 88.47 mm)		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input checked="" type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
				Yukon	
				MERIDIAN	
				135°W	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
* 75 C(C) 7325	Aug. 4, 1975	13:46	1:60,000	5.05 ft. above MLLW
** 75 C(C) 7357, 7358	Aug. 4, 1975	13:10	1:60,000	5.7 ft. above MLLW

REMARKS

*Ratio photograph prepared for hydro support.

2. SOURCE OF MEAN HIGH-WATER LINE:

**B-8 stereo model of the photography indicated above was used to compile 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 None	EAST None	SOUTH TP-00615	WEST None
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REMARKS

TP-00613

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Jun 1975
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Jun 1975
	ESTABLISHED BY R. Melby	Jun 1975
	PRE-MARKED OR IDENTIFIED BY R. Melby	Jun 1975
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 BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
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

Premarking

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
75 C(c)7325	HAENKE, 1974 Sub. pt.		
75 C(c)7325	HUBB, 1974		

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☒ 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 Forms 152, Control Station Identification Cards

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00613
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	C.W. Hayes, CDR, NOAA	8/78
2. HORIZONTAL CONTROL	RECOVERED BY N/A	
	ESTABLISHED BY N/A	
	PRE-MARKED OR IDENTIFIED BY N/A	
3. VERTICAL CONTROL	RECOVERED BY N/A	
	ESTABLISHED BY A.N. Bodnar, LCDR, NOAA	8/78
	PRE-MARKED OR IDENTIFIED BY N/A	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N/A	
	LOCATED (Field Methode) BY N/A	
	IDENTIFIED BY N/A	
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	CLARIFICATION OF DETAILS BY E. McDougal, ENS, NOAA	8/78
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

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)

75 C 7325 (1 matte & 1 cronapague)

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)

Discrepancy Print and Field Edit Ozalid for TP-00613, Field Edit Report

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline & alongshore features for hydro support	Feb 1977	Class III Manuscript horizon, control adequate		Mar 1977
Comparison with Chart 16761	Mar 1977	Class III copy sent to Charts for revision of S.L. features	Mar 1977	
Field edit applied; compilation complete	Apr 1979	Class I Manuscript	Jun 1979	
Final Review	Jul 1986	Final Map	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 ~~559~~ 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)

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	

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

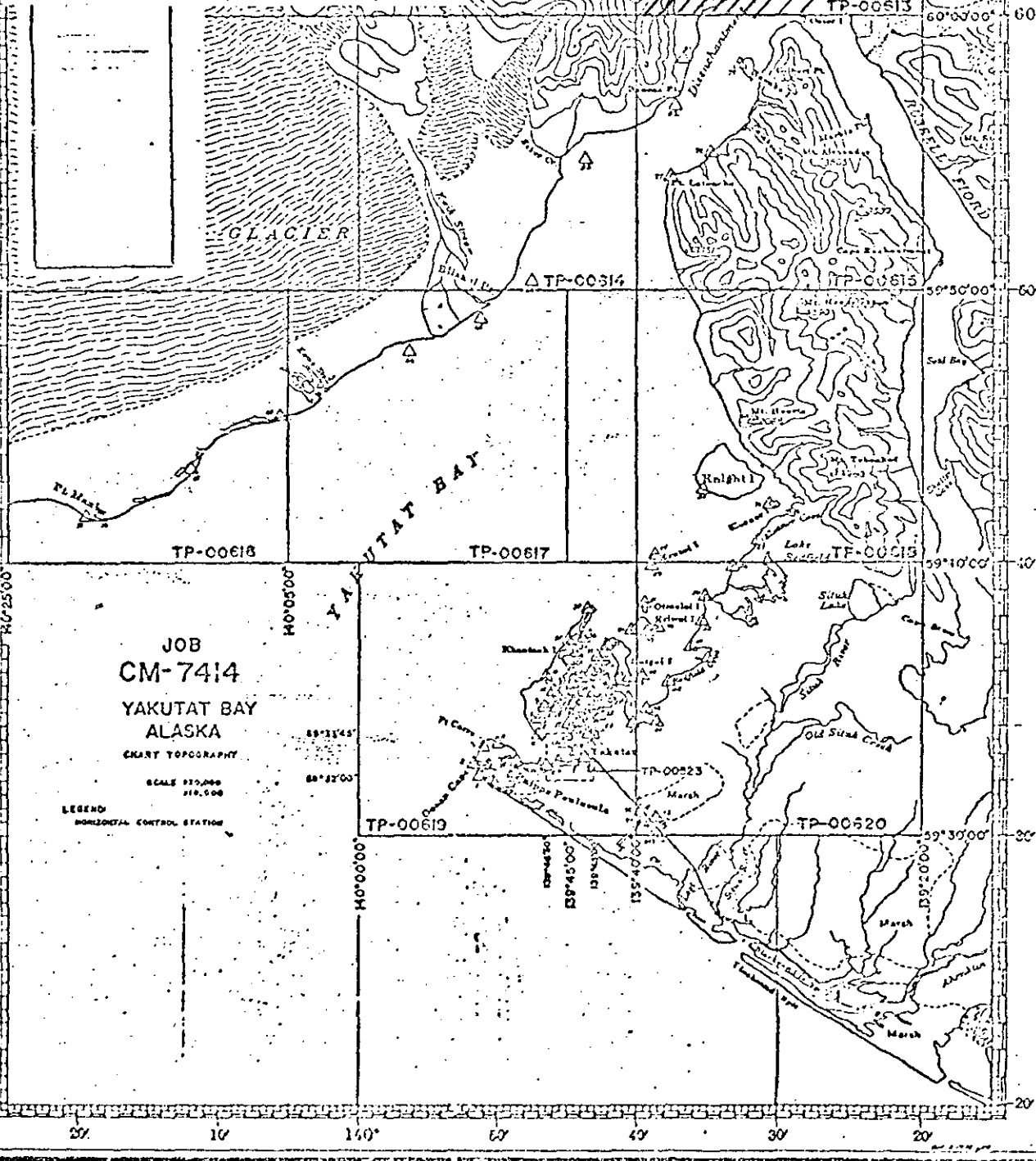
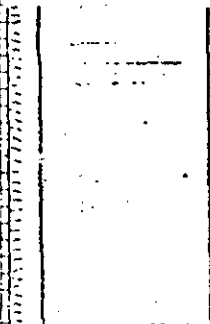
20

TP-00620

6

Total:

76



SCALE 1:120,000

6

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00613

This 1:20,000 scale shoreline map is one of nine maps that comprise Project CM-7414, Yakutat Bay, Alaska.

This project encompasses Yakutat Bay to Disenchantment Bay latitude $59^{\circ} 30' 00''$ north to latitude $60^{\circ} 10' 00''$.

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 August 1975 using color film with the "C" camera (focal length 88.47 millimeters) at 1:60,000 scale.

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

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

Field edit was accomplished during August 1978.

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

Final Review was performed at the Atlantic Marine Center in July 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-00613

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/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

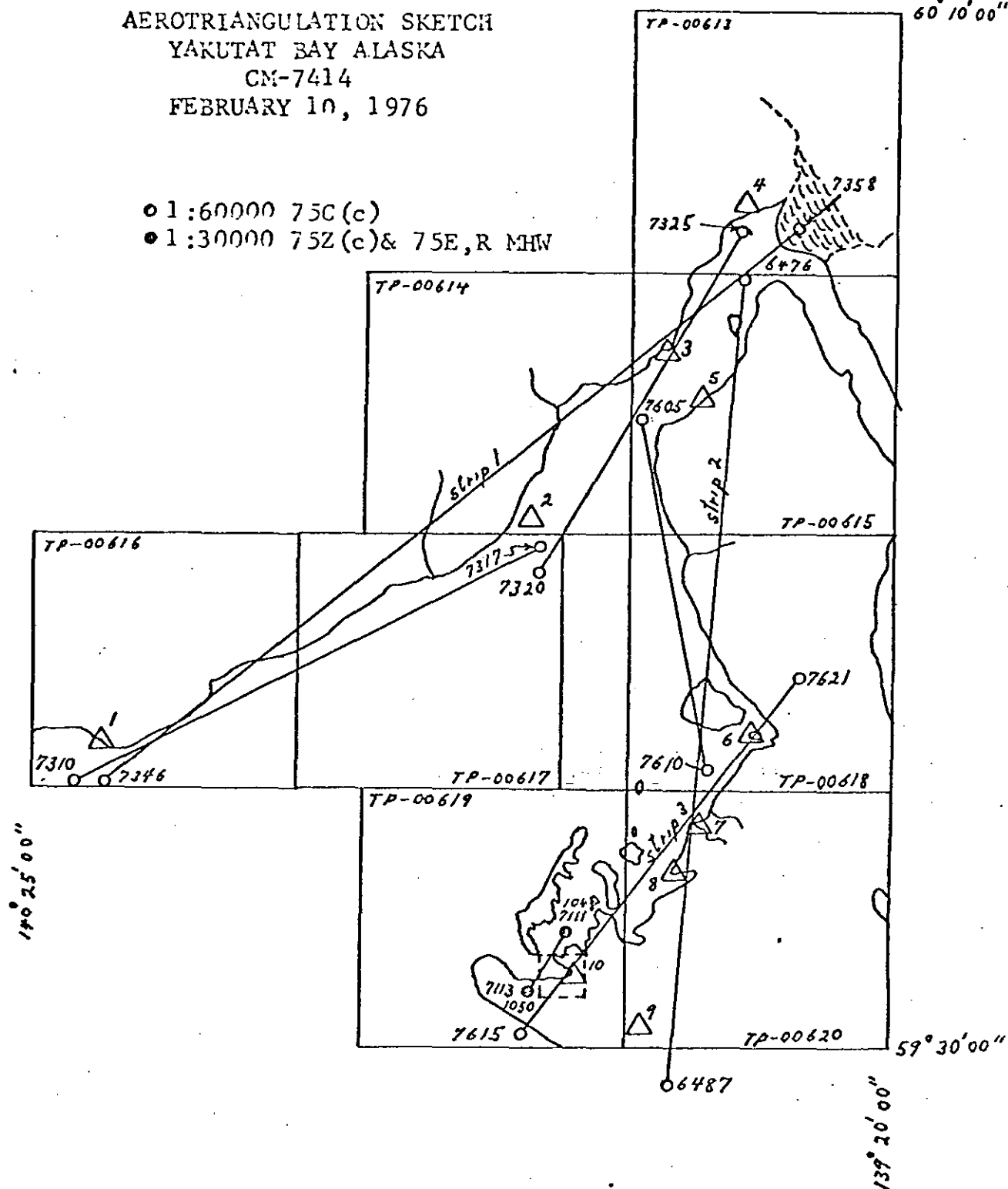
Approved by:

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)

COMPILATION REPORT

CM-7414

TP-00613

February 1977

31. Delineation

The MHW line and forshore features were compiled from 1:60,000 scale color photography taken in August 1975. This compilation was done on the B-8 stereoplotter.

Photo-hydro support photography (1:60,000 scale color ratioed to 1:20,000 scale) were prepared in the usual manner. Good resection of photograph centers were obtained. Shoreline points and other control points all held well affording 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 delineated from 1:60,000 scale photos on the B-8 stereoplotter.

35. Shoreline and Alongshore Details

See Item 31 - Delineation.

The majority of the shoreline for this map was the edge of glaciers or moraine, subject to change in shape and position.

36. Offshore Details

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

37. Landmarks and Aids

None.

38. Control for Future Surveys

None.

13
CM-7714
TP-00613

39. Junctions

Refer to the Compilation Sources Form, 76-36B, item 5.

40. Horizontal and Vertical Accuracy

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with USGS quadrangle

Mt. St. Elias, Alaska-Canada, dated 1959; 1:250,000 scale.

47. Comparison with Existing Charts

Comparison was made with the following nautical chart:

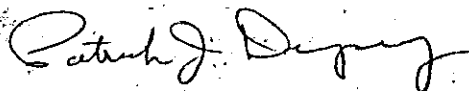
16761, 11th edition, dated August 28, 1976, 1:80,000 scale.

The MHWL was compiled as approximate on Chart 16761 for the area of this map. See Item 35 of this report.

Items to be Applied to Nautical Charts Immediately - None.

Items to be Carried Forward - None.

Submitted by:



For: R. Rich
Cartographer

Approved and Forwarded:



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

OCT 2 1985

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7414 (Yakutat Bay, Alaska)

TP-00613

Disenchantment Bay

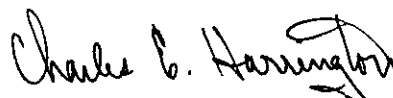
Haenke Island

Hubbard Glacier

Miller Glacier

Turner Glacier

Approved:



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

FIELD EDIT REPORT
TP-00613
Disenchantment Bay, Yakutat, Alaska
OPR-0121-DA-78
NOAA Ship DAVIDSON, S-331
1978

METHODS

Field edit on manuscript TP-00613 was accomplished in accordance with project instructions OPR-0121-DA-78 Yakutat Bay, Alaska, dated 13 March, 1978, and Chapter 11, Manual Of Coastal Mapping Field Procedures. Features were photoidentified using Matte Ratio Photo #75 C 7325 and a skiff working close inshore on August 18 (JD 230) from 1500Z to 1800Z and on August 19 (JD 231) from 1500Z to 1815Z. (See appended abstract of tides data). Haenke Island tide gage data should be used for tides control on TP-00613. The discrepancy print was used in the field, as no field prints were provided.

Original data was recorded on the field photo in pencil and later transferred to the cronapaque photo and indexed on the MYLAR field edit sheet. Standard ink colors as per PMC OPODER change no. 2-77, dated 23 March, 1977, were used to process the field edit data.

Photographs and Field Edit Sheet:

Violet - verifications
Red - additions
Green - deletions

Final Field Sheet:

Black - manuscript, no change
Red - additions (Hydro D.P.'s)

Data collected using field edit methods has not been duplicated on the Hydrographic Final Field Sheet, though Hydrographic Detached Positions are indexed on the Field Edit Sheet.

52 ADEQUACY AND COMPLETENESS OF COMPILATION

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

53 MAP ACCURACY

The high-water line as depicted on the map is accurate.

54 RECOMMENTDATIONS

The manuscript should be considered complete with corrections compiled from the Field Edit.

56 MISCELLANEOUS

It should be noted that the "shoreline" of TP-00613 is, almost without exception, made up of glacial ice or glacial outwash. As both materials are highly subject to change, the shoreline as compiled will not remain accurate for long.

In addition, shifting bars at the mouths of sediment-laden outwash streams and large quantities of constantly moving ice make this area hazardous to navigation at nearly every stage of tide. The faces of both the Turner and Hubbard Glaciers are very active, and calving ice creates another hazard.

No shoreline development is in evidence along either glacial face. The rock awash charted at approximately latitude 60°00'05"N and longitude 139°29'10"W was not found. See photograph 75 C 7325 and the Field Edit Sheet for the correct locations of the ends of the Miller and Haenke Glaciers.

Submitted by,



Ellen McDougal
ENS, NOAA

Approved and Forwarded by,



C. William Hayes
CDR, NOAA
Commanding Officer

REVIEW REPORT
SHORELINE

TP-00613

61 - GENERAL STATEMENT

See Summary included with this report.

The shoreline on this map is primarily glacial ice front with some glacial moraine area. An approximate mean high water line is shown to indicate the perpetual change in the glacial ice front.

Interior limits of the glaciers were not compiled; therefore, all geographic names for these glaciers were not shown.

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:
Mt. St. Elias, Alaska - Canada, scale 1:250,000, dated 1959.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with the advance copy of H-9779, 1:20,000 scale, dated September 19, 1979.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS 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.
Lowell O. Neterer, Jr.

Final Reviewer

July 14, 1986

Approved for forwarding

Billy H. Barnes
Billy H. Barnes

Chief, Photogrammetric Section

Approved

John M. Money
Chief, Photogrammetric Section,
Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch,
Rockville

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.

[illegible]