

TP - 00619

TP- 00619

NOAA FORM 76-35 (6-80)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00619	Edition No. 1
Job No. CM-7414	
Map Classification FINAL	
Type of Survey SHORELINE	
LOCALITY	
State ALASKA	
General Locality YAKUTAT BAY	
Locality OCEAN CAPE TO DOLGOI ISLAND	
19 ⁷⁵ TO 19 ⁷⁷	
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 Rockville, Maryland		SURVEY TP. <u>00619</u> MAP EDITION NO. <u>(1)</u> MAP CLASS JOB <u>PH-CM-7414</u>	
OFFICER-IN-CHARGE J. Collins, CDR, NOAA		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 Nov. 19, 1975 Office Nov. 3, 1976		Horizontal Control May 23, 1974 Premarking Supplement I Apr. 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 J. Perrow	Oct 1976 Oct 1976
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 Stereoplotter CONTOURS BY SCALE: 1:20,000 CHECKED BY		J. Schad P. Dempsey N.A. N.A.	Dec 1976 Dec 1976
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted and graphic CONTOURS BY CHECKED BY SCALE: 1:20,000 HYDRO SUPPORT DATA BY CHECKED BY		J. Schad P. Dempsey N.A. N.A. J. Schad P. Dempsey	Jan 1977 Jan 1977 Jan 1977 Jan 1977
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		P. Dempsey	Feb 1977
6. APPLICATION OF FIELD EDIT DATA BY		J. Minton	Aug 1978
7. COMPILATION SECTION REVIEW BY		J. Massey	Aug 1978
8. FINAL REVIEW BY		C. Goff	Aug 1978
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr.	Sept 1986
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		L. O. Neterer, Jr.	Sept. 1986
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		P. Dempsey E. L. DAUGHERTY	NOV. 1986 DEC '86

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00619
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) RC-10C (88.47mm) RC-10Z (153.14mm)		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-Z (C)-7109-7113	7/10/75	13:38	1:30,000	8.2 Ft. above MLLW	
75-Z (C)-7120	7/10/75	13:43	1:30,000	8.2 Ft. above MLLW	
75-Z (C)-7130-7134	7/10/75	13:48	1:30,000	8.2 Ft. above MLLW	
75-C (C)-7615-7617	8/30/75	13:17	1:60,000	4.1 Ft. above MLLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The Wild B-8 stereoplotter was used to compile the MHWL using the above listed photography.

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

No MLLW line 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-00617	TP-00620	None	None

REMARKS

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

TP-00619

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 <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

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

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)

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

TP-00619

HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	C. Andreason, CDR, NOAA	Sept 1977
2. HORIZONTAL CONTROL	RECOVERED BY C. Greenawalt, LTJG, NOAA	Jun 1977
	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 C. Greenawalt, LTJG, NOAA	Jun 1977
	LOCATED (Field Methods) BY C. Greenawalt, LTJG, NOAA	Jun 1977
	IDENTIFIED BY None	
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 C. Greenawalt, LTJG, NOAA	Jun 1977
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(C) 7615, 7617, 75 Z(C) 7134

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)

One Field Edit Report, two film ozalids with field notes

One Sounding Volume for TP-00619.

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

TP-00619

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.	Jan 1977	Class III Manuscript		Mar 1977
Field Edit applied; Compilation complete	April 1979	Class I Manuscript	Jun 27, 1979	
Final Review	Sept 1986	Final Map	Nov. 1986	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

(NUMBER pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		Nov. 1986 Jun 27, 1979	Appropriate Forms 76-40 are attached with this Descriptive Report

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 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)

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	

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00619

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° 30' 00" north to latitude 60° 10' 00".

Field work prior to compilation, consisting of the identification of horizontal control by premarking methods to meet aerotriangulation requirements, 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 the "Z" camera (focal length = 153.14 millimeters). The "E" camera (focal length 152.71 millimeters) was used with infrared film.

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

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

Field edit was accomplished during September 1977.

Application of Field Edit was completed in August 1978 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-00619

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.

81

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:

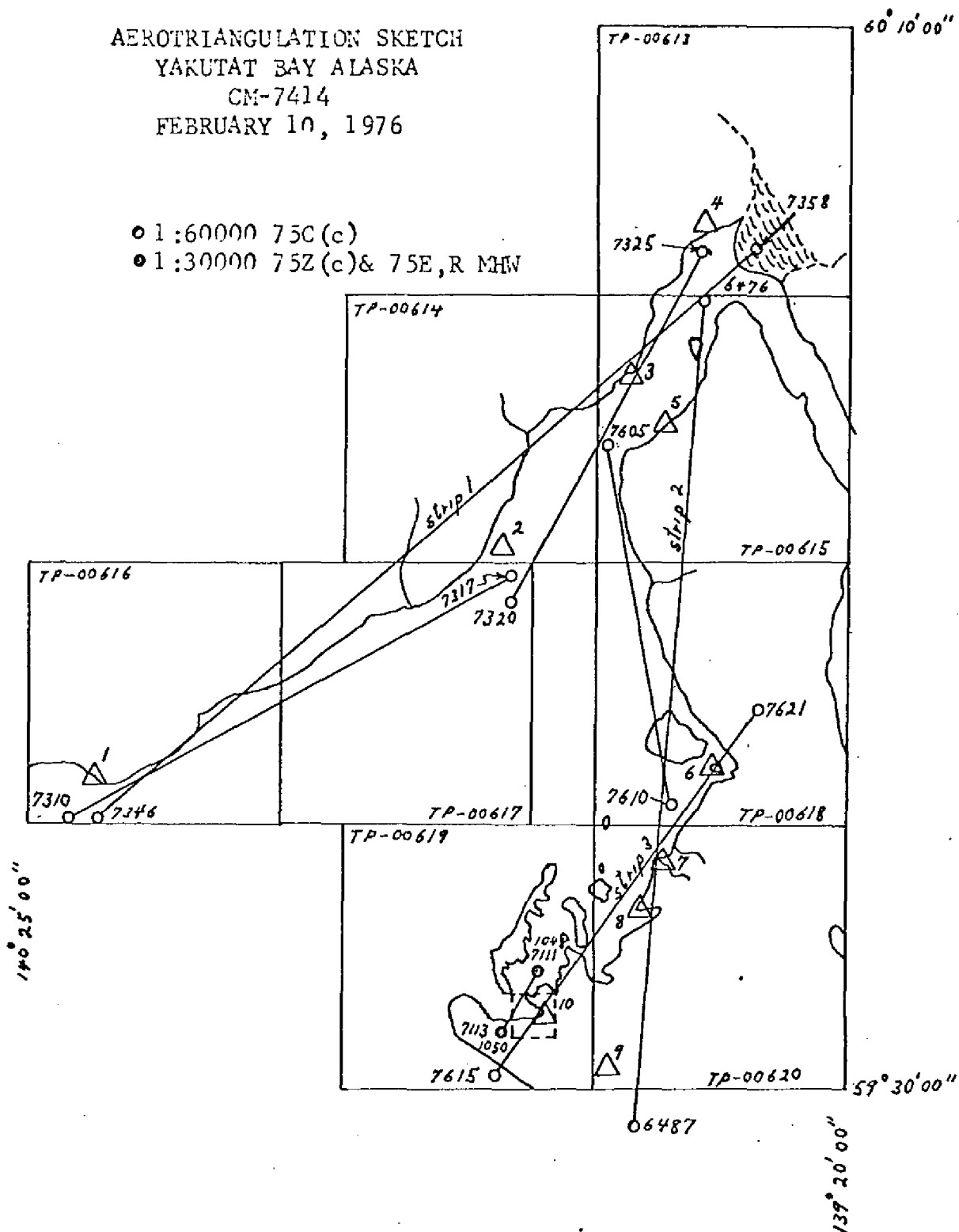
John D. Perrow Jr.

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)

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	CM-7414	GEODETTIC DATUM		COORDINATES IN FEET STATE Alaska ZONE 1	GEOGRAPHIC POSITION		REMARKS
				North American 1927	ORIGINATING ACTIVITY Photogrammetric Branch, P.M.C.		ϕ LATITUDE λ LONGITUDE		
Grow, 1941		59139	000017			X=	ϕ 59° 34' 04.812" ✓		
							Y=		λ 139° 44' 42.467" ✓
Plus, 1941		59139	000038			X=	ϕ 59° 38' 14.956" ✓		
							Y=		λ 139° 43' 30.290" ✓
Erin, 1977		Field Pos.	----			X=	ϕ 59° 38' 11.172" ✓		
							Y=		λ 139° 42' 50.859" ✓
						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						COMPUTATION CHECKED BY		DATE	
LISTED BY	J. Minton					LISTING CHECKED BY		DATE	
HAND PLOTTING BY						HAND PLOTTING CHECKED BY		DATE	

Compilation Report
TP-00619
January 1977

31. Delineation

The mean high water line, foreshore features, and planimetry were compiled from 1:60,000 scale color photography on the Wild B-8 stereoplotter.

Foreshore features were added graphically from the black-and-white infrared ratio photographs (Refer to NOAA Form 76-36b.)

Photo-hydro support photographs, (1:60,000 scale color photos ratioed to 1:20,000) were prepared in the usual manner. Good resection of photographs 75 C(C) 7615 thru 7618, 75 Z(C) 7109 thru 7113, 75 Z(C) 7130 and 75 Z(C) 7120 thru 7122 were obtained.

32. Horizontal Control

(See Photogrammetric Plot Report.)

33. Supplemental Data - None

34. Contours and Drainage

Contours and drainage are not applicable.

35. Shoreline and Alongshore Details

(See Item 31 Delineation.)

The 1:60,000 scale color bridging photography, taken at approximately half tide, was used to compile rocks, numerous rocks awash, shallow and shoal area bordering the MHWL. Difference in rock delineation throughout the alongshore area of this map, exist between the published chart and this manuscript. Verification of the new compilation will require a thorough field edit.

The color transparencies, set in the B-8 stereoplotter, were at near low water and many of the foreshore rocks delineated could be sunken rocks or some bottom feature. Around Doggie Island, Kriwoi Island, and Johnstone Passage there are many more rocks compiled than shown on the published chart. It is also possible that some of these are small icebergs or ice chunks.

36. Offshore Details

A wreck at $59^{\circ} 33' 30''$ - $139^{\circ} 48' 00''$ and rocks awash at $59^{\circ} 38' 45''$ - $139^{\circ} 43' 00''$ were plotted from nautical chart 16761. These features do not appear on the 1:60,000 scale color or 1:30,000 scale infrared photography.

37. Landmarks and Aids to Navigation

There are two lights charted on existing charts 16761, 16760 and one light charted on existing chart 16016.

38. Control for Future Surveys - None

39. Junctions

Junctions with TP-00617 and TP-00620.

40. Horizontal and Vertical Accuracy

This map complies with the National Map Accuracy Standards.

41 through 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with the following USGS quad:

(C-5) Yakutat, Alaska, 1959; 1:63,360 scale.

47. Comparison with Existing Charts

Comparison was made with the following nautical charts:

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:

James Schad

James Schad
Cartographer

Approved and Forwarded:

Jeter P. Battley Jr

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

GEOGRAPHIC NAMES

FINAL NAME SHEET

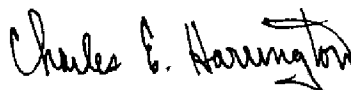
CM-7414 (Yakutat Bay, Alaska)

TP-00619

Ahduck Bay
Aka Lake
Ankau Chucks
Ankau Head
Canoe Pass
Crab Island
Doggie Island
Gilbert Spit
Gonakadetseat Bay
Graveyard Cove
Gulf of Alaska
Hatchet Pass
Hatchet Point
Johnstone Passage
Kardy Lake
Khantaak Island
Kriwoi Island
Monti Bay
Northeast Point
Ocean Cape

Ophir Creek
Phipps Peninsula
Point Carrew
Point Munoz
Point Turner
Port Mulgrave
Prince Shoal
Puget Cove
Pyramid Cove
Rurik Harbor
Sea Otter Bay
Shipyard Cove
Summit Lake
Summit Lakes
The Ankau
Tick Shoal
Village
Yakutat Bay
Yakutat Roads

Approved:



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

FIELD EDIT REPORT

TP-00619

Yakutat Bay, Alaska

OPR-525-DA-77

NOAA Ship DAVIDSON

1977

51. METHODS

Field edit on TP-00619 was accomplished in accordance with project instructions OPR-525-DA-77, Yakutat Bay, Alaska, dated 23 February 1977, and PMC OPOORDER procedures for field edit with hydroplot support in conjunction with hydrography.

A Field Print and field photographs (matte ratio photographs 75Z7111, 75C7616 and 75C7617) were taken into the field to investigate and identify features. Items noted on the discrepancy print were transferred to the field print for investigation.

Field edit investigations began on 30 June and continued through 19 September. These investigations were made from skiffs at times near low tide. Three-point sextant fixes or range-azimuth (theodolite azimuth with MINIRANGER range) were used to locate features not visible on the photographs. Data for these fixes are recorded in a sounding volume accompanying this report.

Weather was generally good. Vertical water visibility was excellent, up to 12 feet.

Tide gages were installed in Johnstone Passage and Redfield Cove. A reference gage was also located on the cannery pier in Monti Bay. See Field Tide Note for zoning recommendations.

Greenwich Mean Time was recorded on all field records.

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

FIELD PHOTOGRAPHS &	
FIELD EDIT SHEET:	Violet - Verifications
	Green - Deletions
	Red - Additions
FINAL FIELD SHEET:	Black - Manuscript, with no change
	Red - Additions and revisions

Notes have been made on the following photographs:

75C7617
75C7615
75Z7134

52. ADEQUACY AND COMPLETENESS OF COMPILATION

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

All geographic names were investigated for correctness. One change must be made to the manuscript. At latitude 59°36'30"N, longitude 139°41'20"W, Doggie Island should be corrected to read Dolgoi Island.

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.

56. MISCELLANEOUS

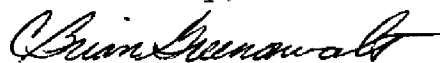
NOAA Forms 76-40, "Non-floating Aids or Landmarks for Charts", have been completed for this manuscript, and are appended.

One major problem was encountered during this survey. Verifying rocks and shoals and obtaining height information on rocks along the western shoreline of Khantaak Island and Phipps Peninsula was next to impossible because of current and surf conditions. In many instances rocks and shoals are marked on the mylar Field Edit Sheet in violet (for verified) without any height data.

Two mylar Field Edit Sheets were used for noting the verifications and changes to the manuscript. This alleviated some of the congestion and made these notations more legible.

Ocean Cape Light will be located by third-order methods during the 1978 Field Season. Bad weather during the last two weeks of the 1977 season prevented obtaining the location this year. A new position will be supplied on NOAA Form 76-40 at that time.

Submitted by,



C. Brian Greenawalt
LTJG, NOAA

Approved and Forwarded by,



Christian Andreasen
CDR, NOAA
Commanding Officer

REVIEW REPORT
SHORELINE

TP-00619

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:
Advance Copy H-9686, 1:10,000 scale approved date August 27, 1980;
Advance Copy H-9688, 1:20,000 scale, dated May 14, 1979, and
Final Field Sheet of H-9694, scale 1:20,000 dated July 5, thru September 14, 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.
Lowell O. Neterer, Jr.
Final Reviewer
July 18, 1986

Approved for forwarding

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

Approved

J. A. McNeely
Chief, Photogrammetric Section
Rockville

Ronald K. Brewer
Chief, Photogrammetry Branch
Rockville

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

NONFLUORANT LANTHANS FOR CHARTS

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

<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (Field Party, Ship or Office) Photogrammetric Section PMC, Seattle, WA	STATE Alaska	LOCALITY Yakutat Bay	DATE 08/31/78
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The following objects HAVE ☒ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	JOB NUMBER	SURVEY NUMBER	DATUM		POSITION				METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
				N. A. 1927		LATITUDE		LONGITUDE		OFFICE	FIELD	
				°	'	°	"	°	"			
										D.M. Meters	D.P. Meters	
ANTENNA		CM-7414	TP-00619	59°32'	29.79"	139°51'	36.21"		P-5-L 75Z(C)7134 08/15/77		16761	
ANTENNA				59°32'	30.44"	139°51'	39.01"		P-5-L 75Z(C)7134 08/15/77		16761	
ANTENNA				59°32'	32.06"	139°51'	37.86"		P-5-L 75Z(C)7134 08/15/77		16761	
ANTENNA				59°32'	31.31"	139°51'	34.49"		P-5-L 75Z(C)7134 08/15/77		16761	

ORIGINATING ACTIVITY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)	
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TYPE OF ACTION		RESPONSIBLE PERSONNEL	
		NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		C. Andreasen, CDR, NOAA	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED		C. Greenawalt, LTJG, NOAA	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		J. Minton	OFFICE ACTIVITY REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'			
(Consult Photogrammetric Instructions No. 64.)			
OFFICE		FIELD (Cont'd)	
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		8. 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 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		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	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.		**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	C. Andreasen, CDR, NOAA
POSITIONS DETERMINED AND/OR VERIFIED	C. Greenawalt, LTJG, NOAA
	J. Minton
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE 1. 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 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	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.
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

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]