

T-13046

T-13046

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline

Job No. PH-6627 Map No. T-13046

Classification No. Final Edition No. 1

Field Edited Map

LOCALITY

State Alaska

General Locality Duncan Canal

Locality Cloverleaf Island

19 66 TO 19 72

REGISTRY IN ARCHIVES

DATE

MAP NOT INSPECTED BY

QUALITY CONTROL OF PHOTOGRAMMETRY DIVISION

PRIOR TO REGISTRATION

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 Atlantic Marine Center, Norfolk, Virginia OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		SURVEY PP T-13046 MAP EDITION NO. (1) MAP CLASS Final JOB PH. 6627	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, Virginia OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		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 8/16/66 (Cancelled) Office 9/06/66 (Cancelled) Office, Amendment I 10/24/66 (Cancelled) Office, Supplement I 11/11/71 (Cancelled) Office, Amendment I 12/02/71 (Cancelled) Aerotriangulation 7/20/72 Office 7/18/72		FIELD SUPPORT 5/20/66 (Cancelled) FIELD PRE-MARKING 7/18/72	
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 Polyconic		4. GRID(S) STATE Alaska ZONE 1	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		D. Norman 8/72	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		D. Phillips 8/72	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY		R. R. White 8/72 L. O. Neterer 8/72 NA NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: SMOOTH DRAFTING CONTOURS BY CHECKED BY SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		S. Kumer 9/72 L. O. Neterer 9/72 NA NA S. Kumer 9/72 L. O. Neterer 9/72	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. O. Neterer 9/72	
6. APPLICATION OF FIELD EDIT DATA BY CHECKED BY		F. Gustafson 11/73 R. R. White 12/73	
7. COMPILATION SECTION REVIEW BY		R. R. White 12/73	
8. FINAL REVIEW BY		Jim Byrd 7/80	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		Jim Byrd 10/80	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		Jim Byrd	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		H. D. Wolfe MAR 1992	

NOAA FORM 76-36B
(3-72)T-13046
COMPILATION SOURCESU. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

1. COMPILATION PHOTOGRAPHY

CAMERA(S) <u>Focal Length 152.71 mm</u> <u>Wild RC-8</u>		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 <u>Pacific</u>	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN <u>120° W</u>	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72 E(C) 3858 and 3859	6/22/72	13:06	1:30,000	9.9 feet above MLLW	
72 E(C) 3922	6/22/72	13:33	1:30,000	9.0 feet above MLLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high-water line was compiled from the photography listed above.

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

No mean lower low-water 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
T-13043	T-13047	T-13048	T-13045

REMARKS

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

T-13046

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. H. Houlder	5/72
2. HORIZONTAL CONTROL	RECOVERED BY A. N. Bodnar	5/72
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY A. N. Bodnar	5/72
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (<i>Triangulation Stations</i>) BY None	
	LOCATED (<i>Field Methods</i>) 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 None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

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*)

None

T-13046

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. C. Saladin	10/72
2. HORIZONTAL CONTROL	RECOVERED BY G. C. Saladin	10/72
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
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 NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

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)

- 1 Field Edit Ozalid, T-13046
- 1 Hydro Signal Overlay

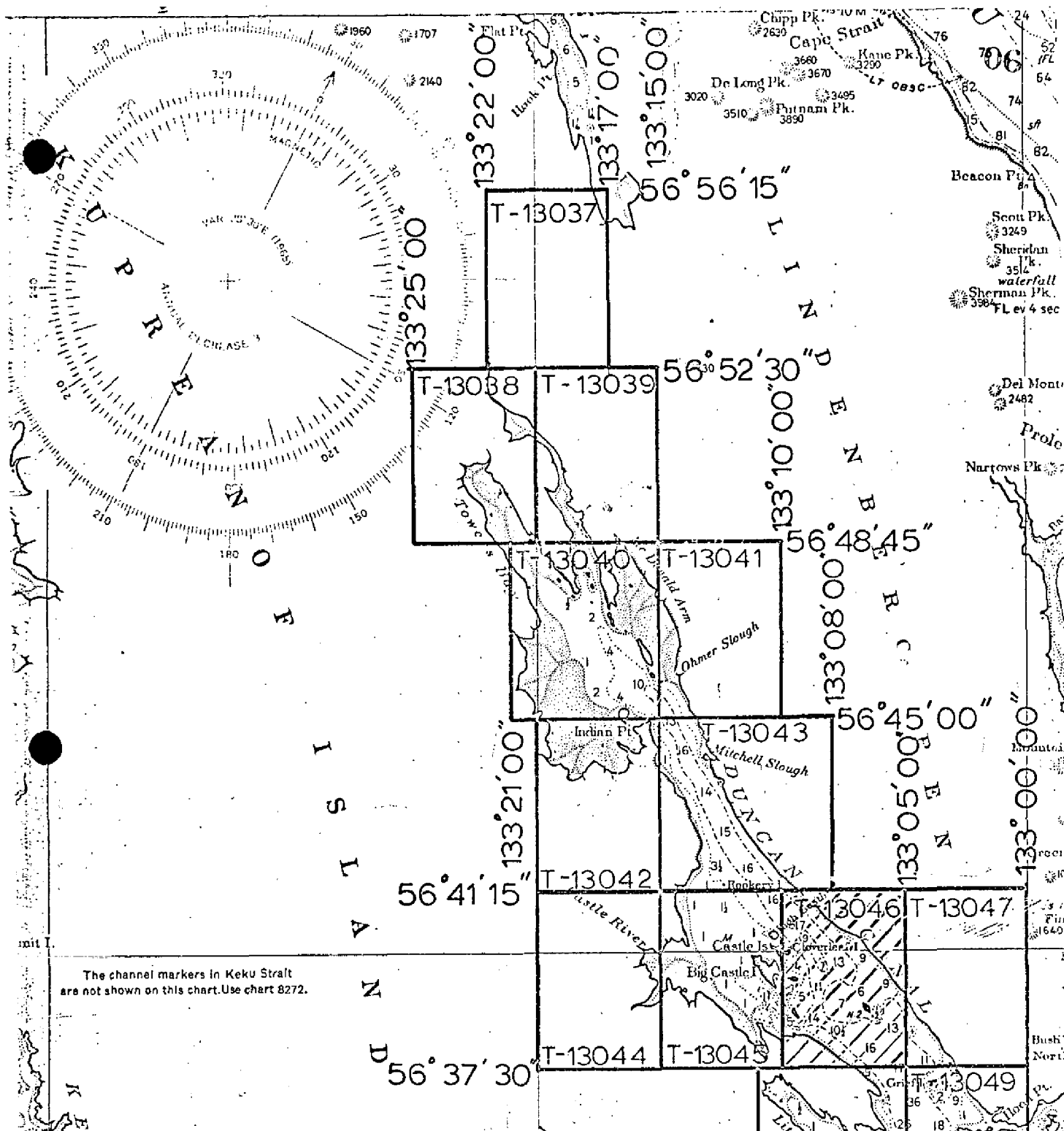
NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONT-13046
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit.	9/72	Class III Manuscript Superseded	9/72	9/72
Field edit applied, compilation complete.	11/73	Class I Manuscript	6/75	None
Final Review	7/80	Final Map	12/81	

II. LANDMARKS AND AIDS TO NAVIGATION None

I. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH



SURVEY TO ACCOMPANY
DESCRIPTIVE REPORT
T-13043, T-13045 thru T-13051

Project PH-6627 covers the entire area of Duncan Canal, Alaska from north of Towers Arm, south east to Lung Island.

There were fifteen (15) maps assigned in this project T-13037 thru T-13051 all at scale 1:10,000. The purpose of these maps was to provide

~~contemporary channeling data in the support of hydrographic operations and~~

FIELD INSPECTION

T-13046

Field inspection was limited to the recovery and identification of horizontal control for aerotriangulation.

PHOTOGRAMMETRIC PLOT REPORT

Job PH-6627
Duncan Canal, Alaska
August 1972

21. Area Covered

The entire area of Duncan Canal, Alaska, is covered by this report. The southeastern corner of the project has the coordinates of 56 30' 00" and 133 00' 00". Included in the project are T-sheets T-13037 thru T-13051.

22. Method

One strip of photography, 72-M-1086 thru 1095 at 1:50,000 scale, was bridged by analytic aerotriangulation methods. Four horizontal control stations were used in the adjustment with one station as a check. All points were drilled by the PUG method. Enough points were transferred and read to provide compilation and ratio points on four parallel strips of color photography. These strips, 72-E(C)-3830 thru 3847, 3854 thru 3862, 3912 thru 3930 and 66-L(C)-5659 thru 5661, all at 1:30,000 scale, will be used to compile the area. All points were plotted on Alaska Zone 1 coordinates using the Coradi Plotter. Ratios of the area were ordered.

23. Adequacy of Control

The control was adequate and complied with project instructions.

24. Supplemental Data

USGS topographic quadrangles were used to obtain vertical control for the bridged strip.

25. Photography

The photography was adequate as to coverage, overlap and definition.

Respectively submitted:

Approved and Forwarded:

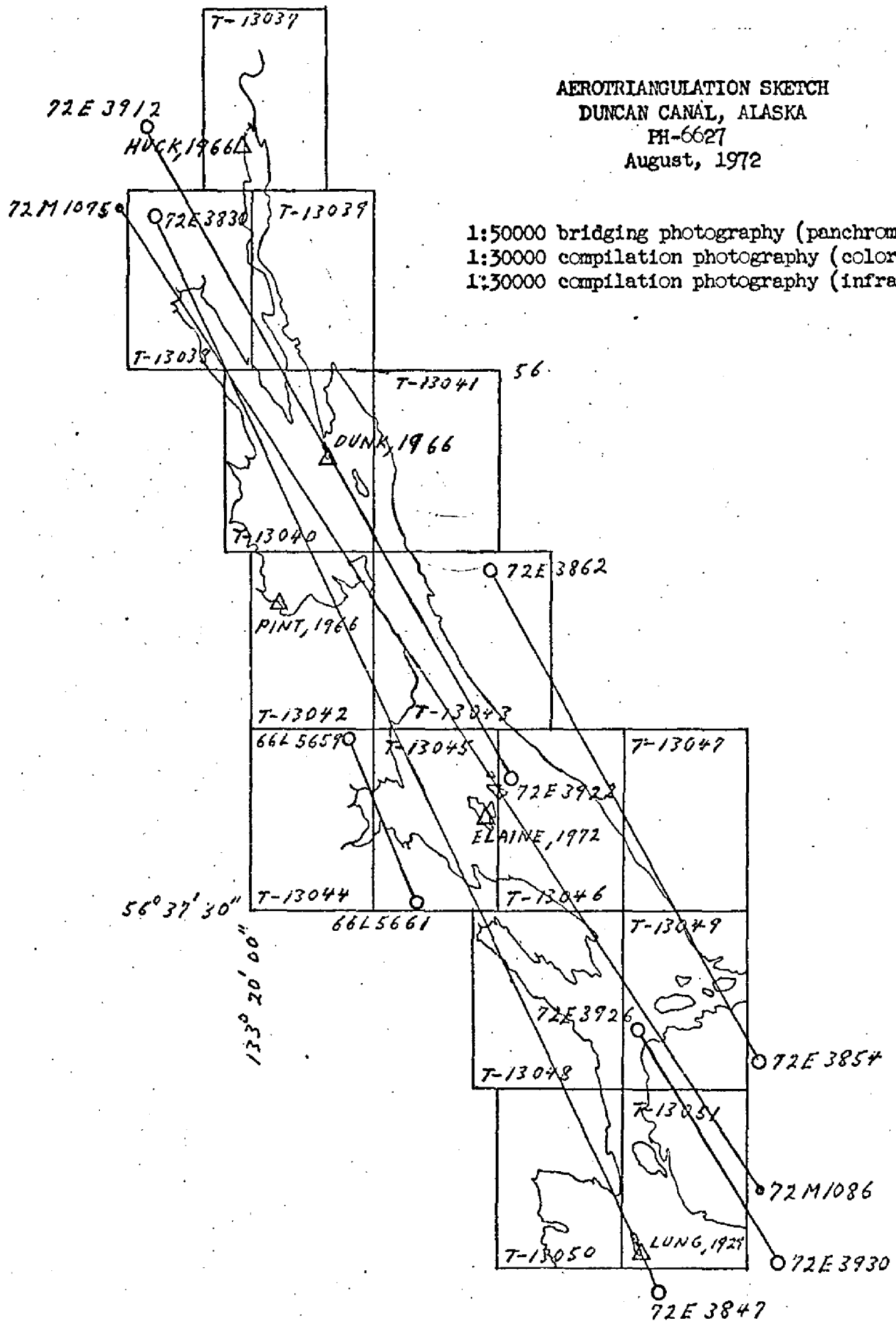
John D. Perrow, Jr.
John D. Perrow, Jr.
Acting Chief
Aerotriangulation Section

Don O. Norman

Don O. Norman
Cartographer

AEROTRIANGULATION SKETCH
DUNCAN CANAL, ALASKA
PH-6627
August, 1972

1:50000 bridging photography (panchromatic)
1:30000 compilation photography (color)
1:30000 compilation photography (infra-red)



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	PH-6627	GEODEIC DATUM		1927	ORIGINATING ACTIVITY		COASTAL MAPPING	
				NA	1927		Division, AMC, Norfolk, Virginia	Division, AMC, Norfolk, Virginia		
	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET	GEOGRAPHIC POSITION		REMARKS	FORWARD	BACK		
				STATE	ZONE				ϕ LATITUDE	λ LONGITUDE
CLOVER, 1959	Vol III P. 950			X=		ϕ 56 40 03.608	111.6	(1744.3)		
				Y=		λ 133 09 26.373	449.2	(572.7)		
MART, 1959	Vol III P. 950			X=		ϕ 56 40 42.408	1311.8	(544.1)		
				Y=		λ 133 07 54.505	928.1	(93.5)		
KELL, 1959	Vol III P. 950			X=		ϕ 56 39 59.474	1839.6	(16.3)		
				Y=		λ 133 06 12.858	219.0	(802.9)		
CHET, 1959	Vol III P. 950			X=		ϕ 56 38 04.281	132.4	(1723.5)		
				Y=		λ 133 08 19.391	330.5	(692.2)		
MEL, 1959	Vol III P. 950			X=		ϕ 56 37.37.031	1145.4	(710.5)		
				Y=		λ 133 07 10.355	176.5	(846.5)		
BARITE, 1965				X=		ϕ 56 39 29.9561	926.6	(929.3)		
				Y=		λ 133 09 45.5030	775.2	(247.0)		
MINE, 1965				X=		ϕ 56 38 53.0637	1641.4	(214.5)		
				Y=		λ 133 09 48.3030	823.1	(199.3)		
CABIN, 1965				X=		ϕ 56 38 19.4990	603.1	(1252.8)		
				Y=		λ 133 09 27.2520	464.5	(558.2)		
				X=		ϕ				
				Y=		λ				
				X=		ϕ				
				Y=		λ				
COMPUTED BY	R. J. Pate	DATE	11/08/71	COMPUTATION CHECKED BY		F. P. Margiotta		DATE	11/08/71	
				LISTING CHECKED BY				DATE		
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY				DATE		
								DATE		

COMPILATION REPORT

T-13046

31. DELINEATION:

Compilation was by the Wild B-8 stereoplotter. The photography was adequate.

The easterly sides of the Castle Islands were delineated with an approximate mean high water line due to shadow and tree overhang on the photographs.

There was no field inspection prior to compilation.

32. CONTROL:

See "Photogrammetric Plot Report" dated August 1972.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The stage of tide at the time of the photography was near Mean High Water. Only the mean high water line was compiled using the Wild B-8. All foreshore data will be furnished by the field editor and/or the hydrographer.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

No landmarks or aids exist within the limits of this manuscript.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Junctions with T-13046 are:

North, west of $133^{\circ} 08'$, T-13043.
North, east of $133^{\circ} 08'$, no contemporary survey.
West, T-13045.
East, T-13047.
South, T-13048.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle PETERSBURG (C-4), ALASKA, scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with USC&GS Chart 8201, scale 1:217,828, 11th edition, dated March 4, 1963 and revised Muly 20, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauck Jr.
Susan S. Kumer
Cartographic Aid
September 13, 1972

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

T-13046

FIELD EDIT

The field edit for this sheet was complete.

7/31/80

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6627 (Duncan Canal, Alaska)

T-13046

Big Castle Island

Castle Islands

Cloverleaf Island

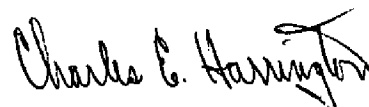
Duncan Canal

High Castle Island

Kupreanof Island

Lindenberg Peninsula

Approved by:

Charles E. Harrington
Chief Geographer, C3x5

PHOTOGRAMMETRIC OFFICE REVIEW

T- 13046

16

1. PROJECTION AND GRIDS LON		2. TITLE LON		3. MANUSCRIPT NUMBERS LON		4. MANUSCRIPT SIZE LON	
CONTROL STATIONS							
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LON				6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA	
8. BENCH MARKS NA		9. PLOTTING OF SEXTANT FIXES NA		10. PHOTOGRAMMETRIC PLOT REPORT LON		11. DETAIL POINTS LON	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE LON		13. LOW-WATER LINE LON		14. ROCKS, SHOALS, ETC. LON		15. BRIDGES LON	
16. AIDS TO NAVIGATION LON		17. LANDMARKS LON		18. OTHER ALONGSHORE PHYSICAL FEATURES LON		19. OTHER ALONGSHORE CULTURAL FEATURES LON	
PHYSICAL FEATURES							
20. WATER FEATURES LON				21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA	
23. STEREOSCOPIC INSTRUMENT CONTOURS NA		24. CONTOURS IN GENERAL NA		25. SPOT ELEVATIONS NA		26. OTHER PHYSICAL FEATURES LON	
CULTURAL FEATURES							
27. ROADS LON		28. BUILDINGS LON		29. RAILROADS LON		30. OTHER CULTURAL FEATURES LON	
BOUNDARIES							
31. BOUNDARY LINES NA				32. PUBLIC LAND LINES NA			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES LON				34. JUNCTIONS LON		35. LEGIBILITY OF THE MANUSCRIPT LON	
36. DISCREPANCY OVERLAY LON		37. DESCRIPTIVE REPORT LON		38. FIELD INSPECTION PHOTOGRAPHS NA		39. FORMS LON	
40. REVIEWER <i>Lowell O. Neterer, Jr.</i> Lowell O. Neterer, Jr.				SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.			
41. REMARKS (See attached sheet)							
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT							
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.							
COMPILER F. R. Gustafson FOR 11/73 <i>Albert C. Rauck, Jr.</i>				SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.			
Reviewed R. R. White FOR 12/73							
43. REMARKS Field edit applied from: Field Edit Ozalid Signal Overlay							

FIELD EDIT REPORTS

DUNCAN CANAL

SOUTHEAST ALASKA

OPR 448

SEPTEMBER-NOVEMBER 1972

CDR Gerald C. Saladin
NOAA Ship DAVIDSON

FIELD EDIT REPORT
DUNCAN CANAL
SOUTHEAST ALASKA
OPR 448
SEPTEMBER-NOVEMBER 1972

INTRODUCTION

Field edit reports are attached for the following maps:

T-13043	Rookery Island
T-13045	Big Castle Island
T-13046	Cloverleaf Island
T-13047	North of Grief Island
T-13048	Little Duncan Bay
T-13049	Fair Island
T-13050	Kah Sheets Island
T-13051	Lung Island

Field photographs and copies of the field edit ozalids were taken into the field. The mean higher high water line was verified by visual inspection of the shoreline and ozalids in the field. Isolated rocks, ledge limits and some shoreline were located with three-point sextant fixes.

Notes have been made on the appropriate photographs and have been cross-referenced on the field edit ozalids by photograph number. All times are based on 105°W meridian.

Approved,



Gerald C. Saladin
CDR/NOAA

Commanding Officer, NOAA Ship DAVIDSON

FIELD EDIT REPORT
MAP T-13046
CLOVERLEAF ISLAND
SOUTHEAST ALASKA

ADEQUACY OF COMPILATION

Compilation was good with the following exception: the reef on the northeast corner of the first island south of Big Castle Island is in reality a barge and drag line. In most areas the photographic resolution was poor, therefore, the determination of the shoreline was made by sextant fixes and distances to triangulation stations.

RECOMMENDATIONS

None.

AIDS TO NAVIGATION

None.

GEOGRAPHIC NAMES

No geographic names investigation was made.

MISCELLANEOUS

All triangulation was searched for and a Form 526 submitted for each. All work was accomplished on 25 and 27 October 1972. Time zone is 105°W.

Respectfully submitted,

Efrem R. Krisher

Efrem R. Krisher
LT/NOAA

REVIEW REPORT T-13046

SHORELINE

July, 1980

61. GENERAL STATEMENT

See Summary, included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not available

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with a verified copy of H-9333. There were no significant differences noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with chart 17360, scale 1:217,828, 23rd ed. June 16/79. No significant differences were noted.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by: Jim Byrd

Jim Byrd
Final Reviewer

Approved for forwarding:

Albert C. Ranch Jr. Act.
Chief Photogrammetric Branch, AMC

Approved:

Chief Photogrammetric Branch

Chief Photogrammetry Division