T-13049

T-13049

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-13049

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State Alaska

General Locality Duncan Canal

Locality Fair Island

1966 TO 1972

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

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: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY NO. T-13049

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 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	8/16/66 (Cancelled)	Field Support 5/20/66 (Cancelled)
Office	9/06/66 (Cancelled)	Field Pre-Marking 7/18/72
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	

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [ ] MEAN LOW-WATER [ ] MEAN LOWER LOW-WATER [ ] 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 METHOD: Analytic	BY	I. I. Saperstein	11/66
	LANDMARKS AND AIDS BY	None	
2. CONTROL AND BRIDGE POINTS METHOD: Manual	PLOTTED BY	Santillan F. P. Margiotta	11/66 11/71
	CHECKED BY	L. O. Neterer T. J. Bulfer	11/66 11/71
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:15,000	PLANIMETRY BY	A. L. Shands	11/71
	CHECKED BY	L. O. Neterer	11/71
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth Drafting SCALE: 1:10,000	PLANIMETRY BY	A. L. Shands	12/71
	CHECKED BY	B. Wilson	12/71
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	A. L. Shands	12/71
	CHECKED BY	B. Wilson	12/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	B. Wilson	12/71
6. APPLICATION OF FIELD EDIT DATA	BY	F. R. Gustafson	11/73
	CHECKED BY	R. R. White	12/73
7. COMPILATION SECTION REVIEW	BY	R. R. White	12/73
8. FINAL REVIEW	BY	Jim Byrd	8/80
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	Jim Byrd	10/80
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY		
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	H. D. Wolfe, Chief, Photo Map and Imagery Section, Photogrammetry Division	MAR 1982

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

T-13049

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8

TIDE STAGE REFERENCE
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- [ ] TIDE CONTROLLED PHOTOGRAPHY

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

TIME REFERENCE
ZONE: Pacific — [X] STANDARD
MERIDIAN: 120° W — [ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
66 L(I) 5673 and 5674	7/12/66	08:05	1:30,000	9.8 feet above MLLW
66 L(I) 5630 and 5631	7/12/66	08:40	1:30,000	10.0 feet above MLLW
72 E(C) 3926 and 3927	6/22/72	13:37	1:30,000	9.0 feet above MLLW
72 E(C) 3854 and 3855	6/22/72	13:06	1:30,000	9.9 feet above MLLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high-water line was compiled from the photographs 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-13047	No Survey	T-13051	T-13048

REMARKS

* U.S. GOVERNMENT PRINTING OFFICE: 1974-768-078

NOAA FORM 76-36C
(3-72)

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

T-13049

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. H. Houlder	5/72
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	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 [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION	BY	
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 [X] NONE

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

☆U.S. Government Printing Office: 1975 – 665-661/1110, Region No. 6

NOAA FORM 76-36C
(3-72)

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

T-13049

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	
	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	R. P. Hewitt	10/72
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. P. Hewitt	10/72
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY		

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*)

66 L(I) 5674

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*)

1 Field Edit Ozalid
1 Hydro Signal Overlay
1 Form 76-40

Field Edit Ratio 66 L(I) 5674 listed above in II.3 was lost.

☆U.S. Government Printing Office: 1975 — 665-661/1110, Region No. 6

NOAA FORM 76-36D
(3-72)

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

T-13049

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.	12/01/71	Class III Manuscript Superseded	None	12/71
Shoreline updated from 1972 photography.	9/72	Class III Manuscript Superseded	None	None
Field edit applied, compilation complete.	11/73	Class I Manuscript	6/25/75	None
Final Review	8/80	Final Manuscript	12/81	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Nov. 1, 1977	1 Aid for charts.

2. [✓] REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Nov. 1, 1977
3. [ ] REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

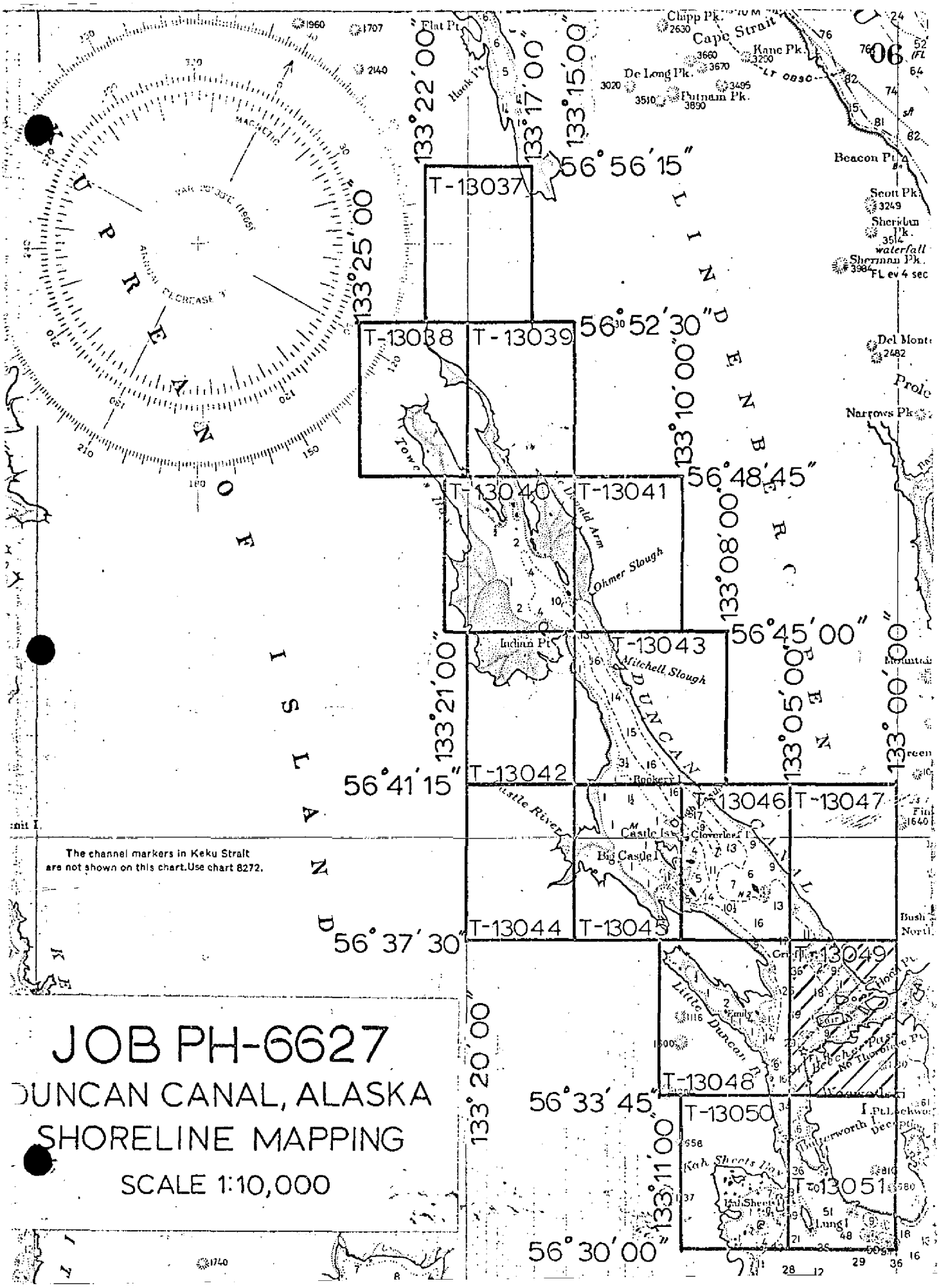
III. FEDERAL RECORDS CENTER DATA

1. [X] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [ ] CONTROL STATION IDENTIFICATION CARDS; [X] FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. [X] 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: 12/10/81

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

★U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6



JOB PH-6627

DUNCAN CANAL, ALASKA

SHORELINE MAPPING

SCALE 1:10,000

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 shoreline data in the support of hydrographic operations and to aid in nautical chart revision.

Field work prior to compilation during the 1972 field season consisted of paneling horizontal control stations in advance of the aerial photography.

The area was flown in June 1972 with 1:50,000 scale B&W bridging photography with the "M" camera. Compilation photos were also taken with the "E" camera at 1:30,000 scale on color film.

Analytic aerotriangulation was performed at the Washington Science Center in August 1972.

The Maps T-13043, T-13045 thru T-13047 were compiled and hydro support ratios were prepared at AMC in August and September, 1972. Sheets T-13048 thru T-13051 were compiled in November and December 1971 using 1966 photography and bridge data and were revised using the June 1972 photos's in September 1972.

Field edit was completed in November 1972. It was applied to the map at AMC in October and November 1973.

Final Review was performed at AMC in January-August 1980. The original base manuscript and all pertinent data was forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

T-13049

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:

Don O. Norman

Don O. Norman
Cartographer

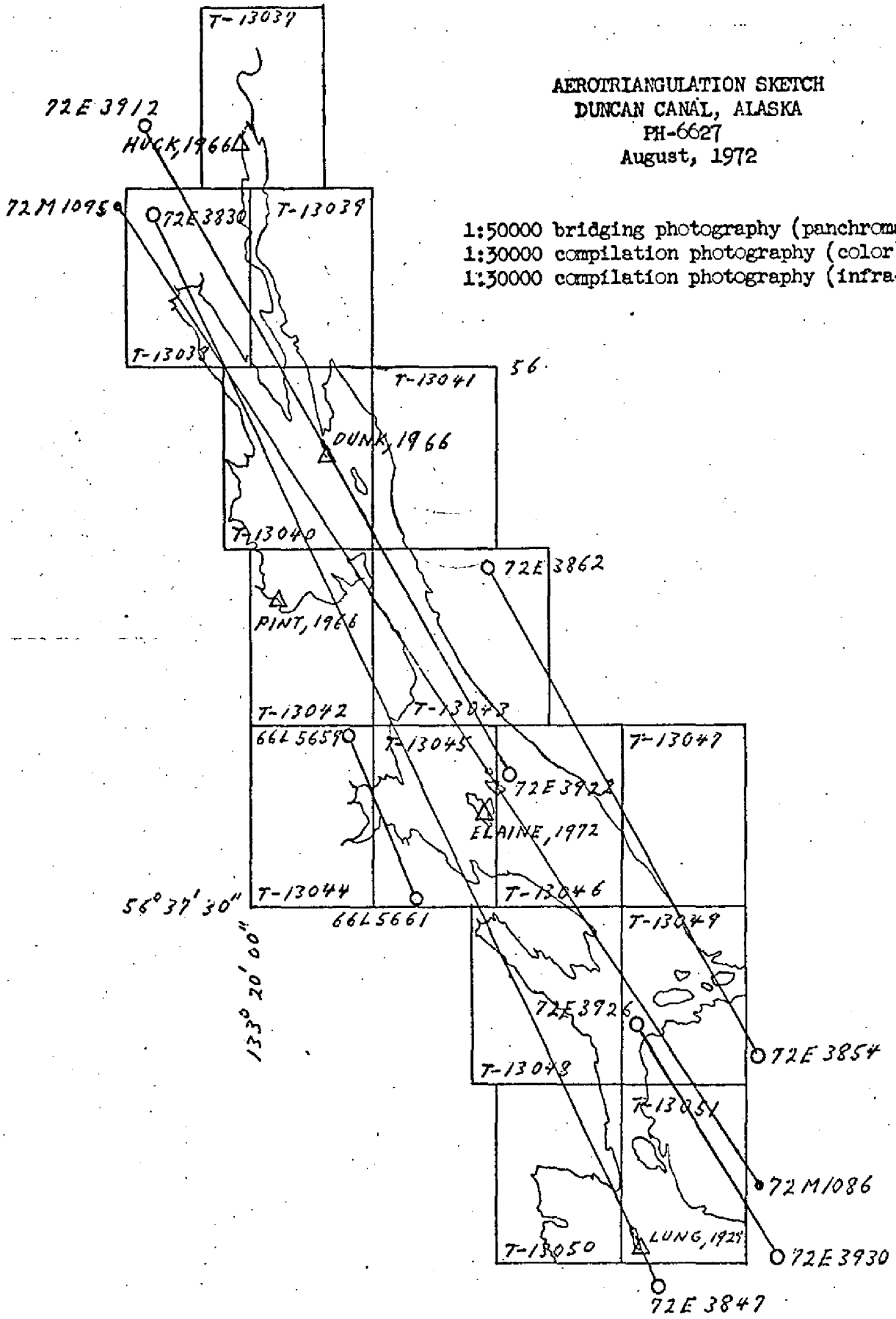
Approved and Forwarded:

John D Perrow Jr.

John D. Perrow, Jr.
Acting Chief
Aerotriangulation Section

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)



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
T-13049	PH-6627	NA 1927	Coastal Mapping Division, AMC, Norfolk, Virginia

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET (STATE / ZONE)	GEOGRAPHIC POSITION (φ LATITUDE / λ LONGITUDE)	REMARKS FORWARD	REMARKS BACK
LAD, 1929	Vol II P. 558		x=	φ 56 36 05.037	155.8	(1700.1)
			y=	λ 133 00 23.914	408.0	(615.6)
FARM, 1929	Vol II P. 486		x=	φ 56 36 08.367	258.8	(1597.1)
			y=	λ 133 02 52.284	892.0	(131.6)
PET, 1929	Vol II P. 557		x=	φ 56 35 27.580	853.1	(1002.8)
			y=	λ 133 01 49.158	838.9	(185.1)
POINT, 1929	Vol II P. 485		x=	φ 56 34 47.955	1483.3	(372.6)
			y=	λ 133 04 22.654	386.7	(637.6)
GRIEF, 1929	Vol II P. 488		x=	φ 56 37 05.604	173.3	(1682.6)
			y=	λ 133 03 55.879	953.0	(70.2)
UPPER, 1929	Vol II P. 486		x=	φ 56 36 56.255	1740.1	(115.8)
			y=	λ 133 02 33.173	565.8	(457.6)
FAIR, 1929	Vol II P. 486		x=	φ 56 35 38.769	1199.2	(656.7)
			y=	λ 133 03 38.461	656.3	(367.7)
DUCK, 1929	Vol II P. 556		x=	φ 56 35 23.340	722.0	(1133.9)
			y=	λ 133 03 21.919	374.1	(649.9)
PIPE, 1929	Vol II P. 559		x=	φ 56 35 09.502	293.9	(1562.0)
			y=	λ 133 04 05.956	101.7	(922.4)
DUN, 1929	Vol II P. 556		x=	φ 56 34 48.427	1497.9	(358.0)
			y=	λ 133 04 21.124	360.6	(663.4)

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
R. J. Pate	11/08/71	Frank P. Margiotta	11/09/71
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

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
T-13049	PH-6627	NA 1927	Coastal Mapping Division, AMC, Norfolk, Virginia

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE / ZONE	GEOGRAPHIC POSITION φ LATITUDE / λ LONGITUDE	REMARKS FORWARD	REMARKS BACK
CAMP, 1929	Vol II P. 485		x=	φ 56 34 01.326	41.0	(1814.9)
			y=	λ 133 04 09.293	158.7	(865.9)
RAG, 1929	Vol II P. 556		x=	φ 56 35 02.332	72.1	(1783.8)
			y=	λ 133 02 44.791	764.6	(259.6)
AMY, 1929	Vol II P. 556		x=	φ 56 35 04.140	128.1	(1727.8)
			y=	λ 133 03 15.203	259.5	(764.7)
CAB, 1929	Vol II P. 556		x=	φ 56 35 27.472	849.8	(1006.1)
			y=	λ 133 02 36.994	631.3	(392.7)
BLY, 1929	Vol II P. 556		x=	φ 56 35 26.652	824.4	(1031.5)
			y=	λ 133 02 43.998	750.9	(273.1)
EVA, 1929	Vol II P. 556		x=	φ 56 35 32.703	1011.6	(844.3)
			y=	λ 133 02 06.948	118.6	(905.3)
GOB, 1929	Vol II P. 557		x=	φ 56 35 43.188	1335.9	(520.0)
			y=	λ 133 01 20.956	357.6	(666.3)
IKE, 1929	Vol II P. 557		x=	φ 56 35 47.287	1462.7	(393.2)
			y=	λ 133 01 06.166	105.2	(918.7)
REEF, 1929	Vol II P. 557		x=	φ 56 35 48.550	1501.7	(354.2)
			y=	λ 133 00 49.293	841.1	(182.8)
KID, 1929	Vol II P. 558		x=	φ 56 35 53.734	1662.1	(193.8)
			y=	λ 133 00 31.576	538.8	(485.0)

COMPUTED BY: R. J. Pate	DATE: 11/10/71	COMPUTATION CHECKED BY: F. P. Margiotta	DATE: 11/10/71
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

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
T-13049	PH-6627	NA 1927	Coastal Mapping Division, AMC, Norfolk, Virginia

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS FORWARD	REMARKS BACK
DIP, 1929	Vol II P. 556		x=	φ 56 35 18.914	585.0	(1270.9)
			y=	λ 133 02 10.423	177.9	(846.2)
HAD, 1929	Vol II P. 557		x=	φ 56 35 31.902	986.8	(869.1)
			y=	λ 133 01 17.545	299.4	(724.5)
JOE, 1929	Vol II P. 557		x=	φ 56 35 32.906	1017.8	(838.1)
			y=	λ 133 01 05.907	100.8	(923.1)
MIN, 1929	Vol II P. 557		x=	φ 56 35 35.639	1102.4	(753.5)
			y=	λ 133 00 35.458	605.1	(418.8)
FUN, 1929	Vol II P. 557		x=	φ 56 35 39.972	1236.4	(619.5)
			y=	λ 133 00 16.881	288.1	(735.8)
LIP, 1929	Vol II P. 558		x=	φ 56 35 41.768	1292.0	(563.9)
			y=	λ 133 00 03.416	58.3	(965.6)
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
R. J. Pate	11/10/71	F. P. Margiotta	11/10/71
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

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

H-13

COMPILATION REPORT

T-13049

31. DELINEATION:

The Wild B-8 stereoplotter was used to compile all details.

Photograph coverage was adequate. There was no field inspection prior to compilation.

32. CONTROL:

See "Photogrammetric Plot Report" dated November 21, 1966.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line was delineated from office interpretation of the photographs. However, the compilation photography is infrared taken at 10 feet above mean lower low water; therefore, much of the foreshore area detail is not visible on it.

36. OFFSHORE DETAILS:

The hydrographer has been advised that the offshore details are incomplete and that this area will have to be fully developed in the field. See Item 35.

37. LANDMARKS AND AIDS:

Compilation office prepared work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Junctions are in agreement with T-13047 to the north, T-13048 to the west, and T-13051 to the south. There is no contemporary survey to the east.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS Quadrangle PETERSBURG (C-4), ALASKA, scale 1:63,360 and dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison has been made with Chart 8201, scale 1:217,828, 11th edition, dated March 4, 1963, revised July 20, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted:

A. L. Shands
Cartographer
December 1, 1971

Approved:

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

7/31/80

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6627 (Duncan Canal, Alaska)

T-13049

Beecher Pass
Big Saltery Island
Blowdown Island
Christmas Island
Duncan Canal
Fair Island
Grief Island
Harvey Lake
Hoagies Hole
Hood Point
Jewell Island
Kupreanof Island
Lindenberg Peninsula
Little Saltery Island
Pearl Island
Woewodski Island

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer, C3x5

FORM C&GS-1002 (9-66)

U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T- 13049

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
BW	BW	BW	BW

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
BW	NA	NA

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	NA	BW	BW

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
BW	BW	BW	BW

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
BW	BW	BW	BW

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
BW	NA	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	BW

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
BW	BW	BW	BW

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
BW	BW	BW

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
BW	BW	NA	BW

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Albert C. Rauck Jr. FOR. B. Wilson 12/06/71	Albert C. Rauck Jr. 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	SUPERVISOR
Albert C. Rauck Jr. F. R. Bustafson FOR. 11/73	Albert C. Rauck Jr.
Reviewer Albert C. Rauck Jr. R. R. White FOR. 11/73	Albert C. Rauck, Jr.

43. REMARKS

Field edit applied from:

Field Edit Ozalid
Photo 66 L(R) 5674

Form 76-40
Signal Overlay

T-13099

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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-13049
FAIR ISLAND
SOUTHEAST ALASKA

ADEQUACY OF COMPILATION

The compilation was adequate considering no previous field inspection.. Three cabins and a wrecked barge were located by sextant fix. In most areas the photographic resolution was poor, consequently, positive identification of shoreline features had to be made by sextant fixes.

RECOMMENDATIONS

None.

AIDS TO NAVIGATION

One aid to navigation appears on this sheet. See Form 76-40.

GEOGRAPHIC NAMES

No geographic names investigation was made.

MISCELLANEOUS

All triangulation was searched for and a Form 526 submitted for each, with the exception of station FUN. All work was accomplished on October 11,12 and 27, 1972. Time zone is 105°W.

Respectfully Submitted,

Roger P. Hewitt

Roger P. Hewitt
LT/NOAA

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [X] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office): Coastal Mapping Div. AMC, Norfolk, VA

STATE: Alaska

LOCALITY: Duncan Canal

DATE: 10/72

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
448	PH-6627	T-13049	NA 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE // D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE // D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	Beecher Pass Light	56 34	48.01 1485	133 04	20.54 351		F-2-8-L 10/12/72	8201

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD	R. P. Hewitt	[X] PHOTO FIELD PARTY [ ] HYDROGRAPHIC PARTY [ ] GEODETIC PARTY [ ] OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	R. P. Hewitt	FIELD ACTIVITY REPRESENTATIVE
	F. R. Gustafson	OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		[ ] REVIEWER [ ] QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

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

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.
EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-665-073/1030 Region 6

REVIEW REPORT T-13049

SHORELINE

August, 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-9332 and H-9333. There were no significant differences noted.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with chart 17360, 1:217,828 scale, 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. Ranck Jr. Act.
Chief Photogrammetric Branch, AMC

Approved:

Chief Photogrammetric Branch

Chief Photogrammetry Division