T-13051

T-13051

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-13051

Classification No. Final *Edition No.* ..... 1 .....

Field Edited Map

LOCALITY

State ..... Alaska

General Locality ..... Duncan Canal

Locality ..... Lung 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

01 22

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-13051

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH. 6627

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Atlantic Marine Center, Norfolk, VA

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	BY	I. I. Saperstein, D. Norman	11/66 8/72
METHOD: Analytic	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	A. L. Shands, F. P. Margiotta	11/71
METHOD:	CHECKED BY	L. O. Neterer, T. J. Bulfer	11/71
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	A. L. Shands	11/71
	CHECKED BY	L. O. Neterer, R. R. White	11/71
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:15,000 Glass scale	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	T. J. Bulfer	11/71
	CHECKED BY	L. F. Beugnet	12/71
METHOD: Smooth Drafting	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	T. J. Bulfer	11/71
	CHECKED BY	L. F. Beugnet	12/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. F. Beugnet	12/71
6. APPLICATION OF FIELD EDIT DATA	BY	C. E. Blood	11/73
	CHECKED BY	R. R. White	11/73
7. COMPILATION SECTION REVIEW	BY	R. R. White	11/73
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	MAR 1982

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

U.S. G.P.O. 1972-769382/582 REG.#6

Photogrammetry Division

NOAA FORM 76-36B
(3-72)

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

T-13051

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 (L) & Wild RC-9 (M)

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) 5670 thru 5673	7/12/66	09:05 PST	1:30,000	9.7 ft. above MLLW
72 E(C) 3928 and 3929	6/22/72	13:37 PST	1:30,000	9.0 ft. above MLLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

No mean lower low-water line has been 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-13049	No Survey	No Survey	T-13050

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-13051

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	T. R. C.	5/72
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	T. R. C.	5/72
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)*

1 Form 152 for paneled station LUNG, 1929

☆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-13051

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	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	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 ☒ 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 Form 76-40, Nonfloating Aids for Charts, to be charted.
Abstract of Hydro signal positions.
Field annotated photographs ~~72-E(C)-3929~~, ~~72-E(C)-3876~~, 66 L(I) 5671, and 66 L (I) 5672

NOAA FORM 76-36C
(3-72)

☆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-13051

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.	11/71	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	6/75	None
Final Review	8/80	Final Map	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	Two (2) Aids for Charts

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

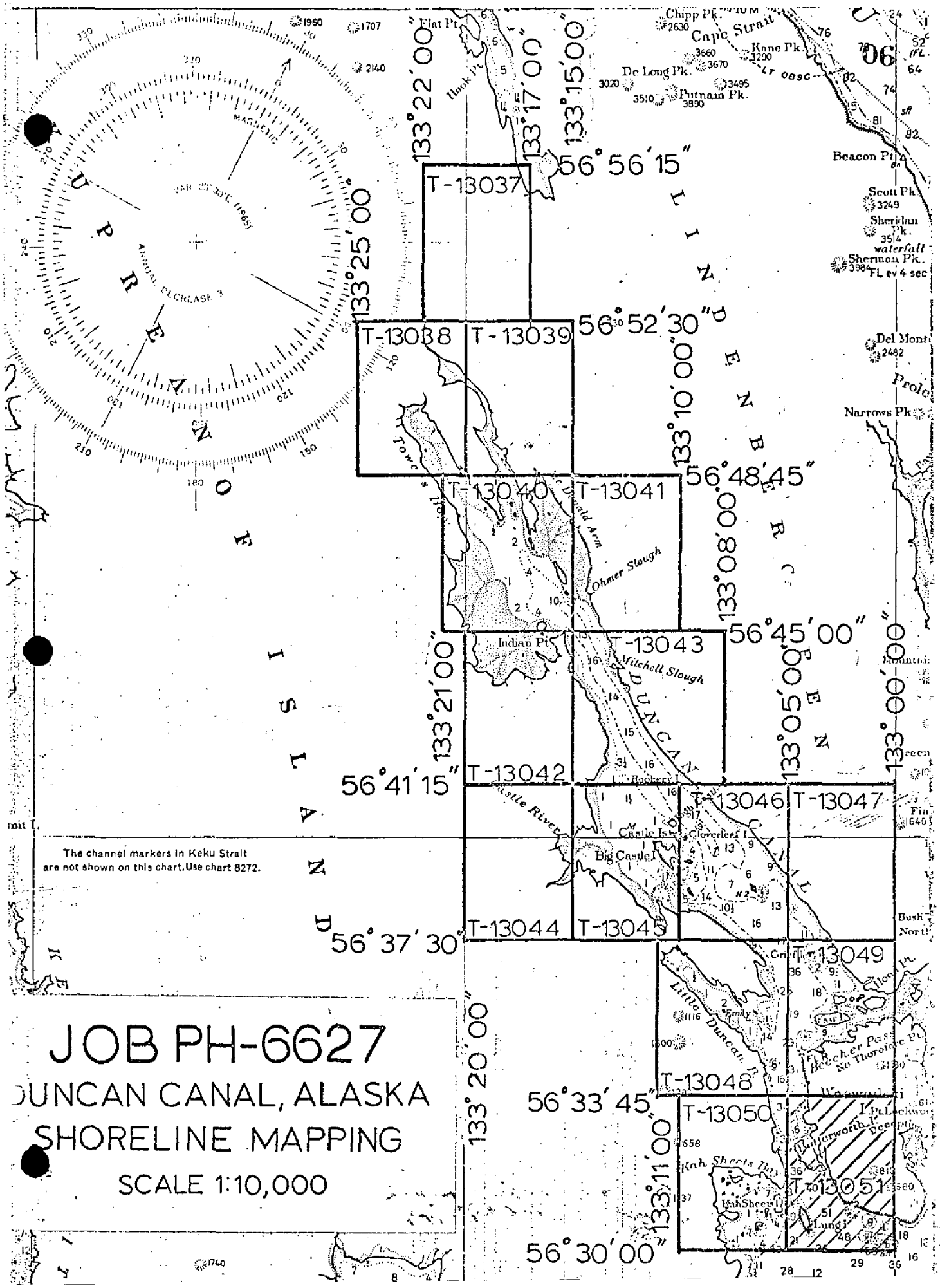
III. FEDERAL RECORDS CENTER DATA

1. [X] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [X] 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
SECOND EDITION	TP - _____ (2)	PH - _____	[ ] REVISED [ ] RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS [ ] II. [ ] III. [ ] IV. [ ] V. [ ] FINAL
THIRD EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (3)	PH- _____	[ ] REVISED [ ] RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS [ ] II. [ ] III. [ ] IV. [ ] V. [ ] FINAL
FOURTH EDITION	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
	TP - _____ (4)	PH - _____	[ ] REVISED [ ] RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS [ ] II. [ ] III. [ ] IV. [ ] V. [ ] FINAL

☆U. S. 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-13051

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

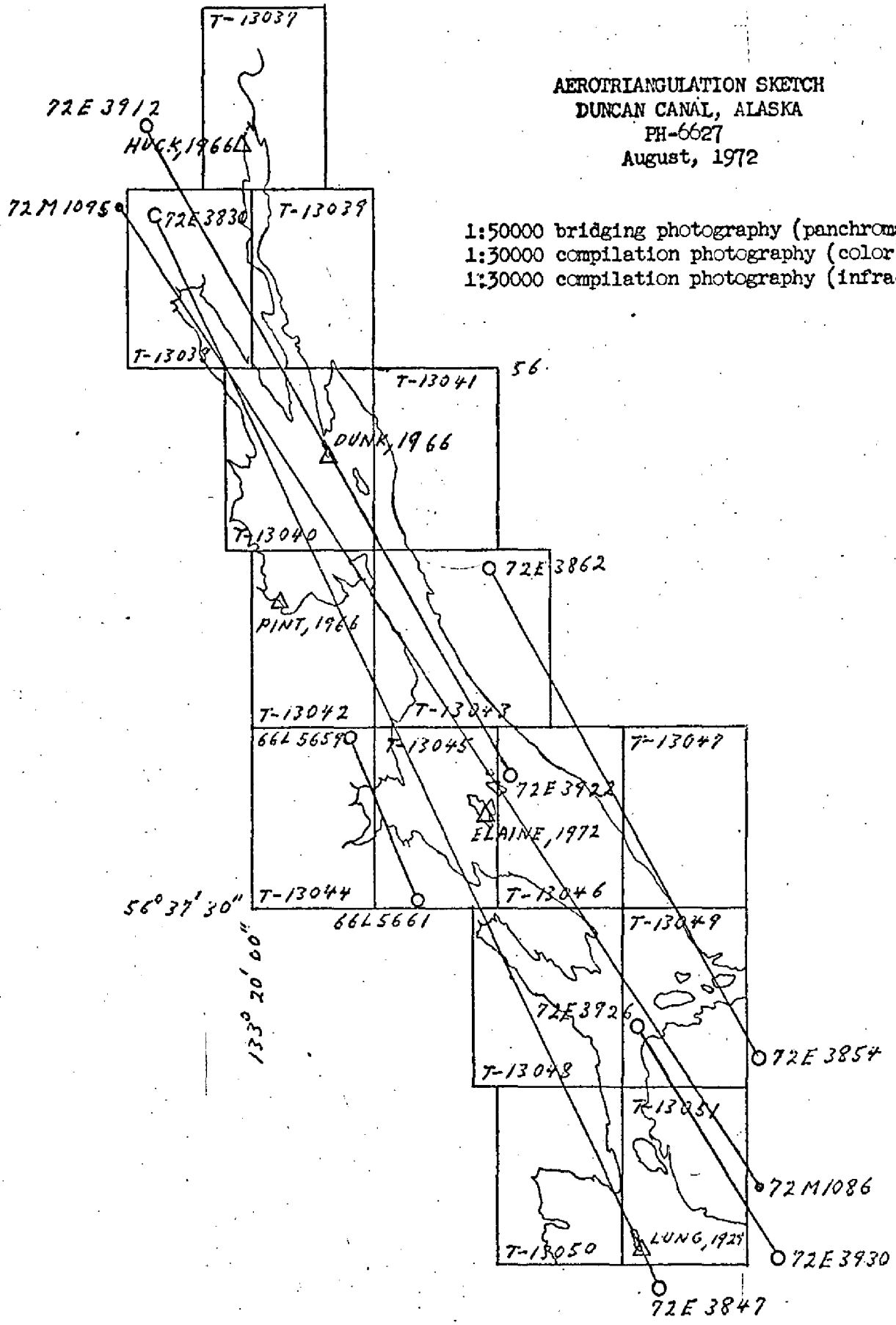
Approved and Forwarded:

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-13051	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
NEAR, 1929	Vol II P. 485		x=	φ 56 33 26.806	829.1	(1026.8)
			y=	λ 133 04 30.013	512.7	(512.2)
SOUTH, 1929	Vol II P. 484		x=	φ 56 32 00.385	11.9	(1844.0)
			y=	λ 133 03 57.500	982.8	(42.7)
HOPE, 1929	Vol II P. 484		x=	φ 56 31 15.532	480.4	(1375.5)
			y=	λ 133 02 30.280	517.8	(508.1)
BARES, 1929	Vol II P. 487		x=	φ 56 30 22.166	685.6	(1170.3)
			y=	λ 133 01 04.668	79.8	(946.5)
LUNG,,1929	Vol II P. 483		x=	φ 56 30 24.043	743.7	(1112.2)
			y=	λ 133 03 59.218	1012.9	(13.4)
ISLE, 1929	Vol II P. 487		x=	φ 56 30 53.441	1653.0	(202.9)
			y=	λ 133 01 51.886	887.3	(138.8)
MIDWAY ROCK LIGHT, 1929	Vol II P. 534		x=	φ 56 31 49.067	1517.7	(338.2)
			y=	λ 132 57 48.227	824.3	(201.4)
END, 1929	Vol II P. 485		x=	φ 56 32 48.026	1485.5	(370.4)
			y=	λ 133 04 37.514	641.0	(384.2)
NORTH, 1929	Vol II P. 484		x=	φ 56 32 28.004	866.2	(989.7)
			y=	λ 133 04 36.019	615.5	(409.8)
CENTER, 1929	Vol II P. 484		x=	φ 56 32 13.319	412.0	(1443.9)
			y=	λ 133 04 25.079	428.6	(596.8)

COMPUTED BY: R. J. Pate	DATE: 11/05/71	COMPUTATION CHECKED BY: F. P. Margiotta	DATE: 11/08/71
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-13051	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
NEW, 1929	Vol II P. 488		x=	φ 56 31 05.022	155.3	(1700.6)
			y=	λ 133 04 21.304	364.3	(661.7)
			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		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
R. J. Pate	11/05/71	F. P. Margiotta	11/08/71
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.

F2

COMPILATION REPORT

T-13051

31. DELINEATION:

The Wild B-8 Plotter was used with photos at 1:30,000 scale. Coverage was adequate.

There was no field inspection prior to compilation.

32. CONTROL:

See "Photogrammetric Plot Report, PH-6627, Duncan Canal, Alaska" dated November 21, 1966.

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 shoreline and alongshore details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Refer to 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:

Junction has been made with T-13050 to the west and T-13049 to the north. There is no contemporary survey to the east and south.

40. HORIZONTAL AND VERTICAL CONTROL:

See Photogrammetric Plot Report.

46. COMPARISON WITH EXISTING MAPS:

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

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 8160, scale 1:80,000, 6th edition, dated July 29, 1963.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted:

Albert C. Rauck Jr. FOR
J. Bulfer
Cartographer
November 30, 1971

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

T-13051

FIELD EDIT

Field editor gave some references to reef and ledge areas whose limits could not be clearly seen on the photographs which were taken above MLLW. However, an attempt was made to show the indicated ledge and reefs which were indicated by the field editor. These feature limits are suggested to be checked from the hydro work.

7/31/80

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6627 (Duncan Canal, Alaska)

TP-13051

Butterworth Island

Duncan Canal

Harvey Lake

Krauses Hole

Lung Island

Whiskey Pass

Woewodski Island

Approved by:

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- 13051

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

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
LFB	NA	NA

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

ALONGSHORE AREAS *(Nautical Chart Data)*

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

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

PHYSICAL FEATURES

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

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

CULTURAL FEATURES

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

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

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

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

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Albert C. Rauck Jr. FOR L. R. Beugnet 12/08/71	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
Charles Blood Charles Blood 11/73	Albert C. Rauck Jr. Albert C. Rauck, Jr.
Reviewed R. R. White 11/73	

43. REMARKS Albert C. Rauck Jr. FOR

Field Edit applied from:

Field Edit Ozalid, Photographs 72 E(C) 3929 & 3846 and 66 L(I) 5671 & 5672

Form 76-40

List of Positions for Hydro Signals

T-13051

18

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-13051
LUNG ISLAND
SOUTHEAST ALASKA

ADEQUACY OF COMPILATION

The compilation was adequate considering no previous field inspection. Heights were given on all rocks, many of which were extensions of shoreline.

RECOMMENDATIONS

None.

AIDS TO NAVIGATION

There are two aids to navigation on this sheet, see Form 76-40.

GEOGRAPHIC NAMES

No geographic names investigation was accomplished.

MISCELLANEOUS

All triangulation was searched for and a Form 526 submitted for each, with the exception of stations HOPE, ISLE, BARES, LUNG and END. All work was accomplished on 12 October 1972. Time zone used was 105°W.

Respectfully submitted,

Roger 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)	STATE	LOCALITY	DATE
Coastal Mapping Div. AMC, Norfolk, VA	Alaska	Duncan Canal	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-13051	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
DAYBEACON	Foremost Rock Daybeacon	56 30	08.20 254	133 00	14.53 248		F-4-6-L 8/71	8201
LIGHT	Butterworth Island Light	56 32	13.89 430	133 04	25.16 450		F-2-8-L 10/12/72	8201

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD	R. P. Hewitt	☒ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	R. P. Hewitt	FIELD ACTIVITY REPRESENTATIVE
	C. E. Blood	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

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

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 T13051

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 (1972) and H-9221 (1971). No significant differences were 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. Rauch Jr. Act.
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Photogrammetric Division