T-12439

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-6409 *Map No.* T-12439

Classification No. III *Edition No.* ~~1~~

LOCALITY

State Alaska

General Locality Orca Inlet

Locality Hidden Creek

1965 TO 19

REGISTRY IN ARCHIVES

DATE

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

T-12439

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-12439

MAP EDITION NO. (1)

MAP CLASS III

JOB PH- 6409

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 8/18/65 Office 10/11/65	

II. DATUMS

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

2. VERTICAL: [X] MEAN HIGH-WATER [ ] MEAN LOW-WATER [X] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: Alaska; ZONE: 3

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	D. O. Norman	10/65
METHOD: Analytic	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	L. O. Neterer	10/65
METHOD: Coordinatograph	CHECKED BY	J. S. Place	10/65
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	L. O. Neterer	12/65
	CHECKED BY	J. S. Place	12/65
INSTRUMENT: Kelsh	CONTOURS BY	NA	
SCALE: 1:8,000	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	L. O. Neterer	12/65
	CHECKED BY	L. L. Graves	4/65
METHOD: Smooth Drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:20,000	HYDRO SUPPORT DATA BY	L. O. Neterer	12/65
	CHECKED BY	L. L. Graves	4/66
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. L. Graves	4/66
6. APPLICATION OF FIELD EDIT DATA	BY	Cancelled	
	CHECKED BY		
7. COMPILATION SECTION REVIEW	BY		
8. FINAL REVIEW	BY	A. L. Shands	3/77
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	A. L. Shands	5/77
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	J. B. Phillips	6-77
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. T. CATOR	8-77

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-12439

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): RC 8 "L"

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

TIME REFERENCE
ZONE: Alaska — [X] STANDARD
MERIDIAN: 150th — [ ] DAYLIGHT

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

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
65L(I)3559-3560	5/05/65	06:37	1:40,000	2.2 ft. below MLLW
65L(I)3652-3653	5/05/65	08:46	1:40,000	1.7 ft. below MLLW

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation of the above listed photographs.

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

Office interpretation of the above listed photographs.

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
No Survey	T-12807	T-12667	No Survey

REMARKS

NOAA FORM 76-36B
(3-72)

* 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-12439

HISTORY OF FIELD OPERATIONS

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

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		J. D. Watkins, Jr.	Jun 1965
2. HORIZONTAL CONTROL	RECOVERED BY	R. B. Melby	Jun 1965
	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

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

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 [ ] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

NOAA FORM 76-36C
(3-72)

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

NOAA FORM 76-36D
(3-72)

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

T-12439

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Alongshore area for hydro	4/66	Class III		
Final Review	3/77		7/28/77	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
			None

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

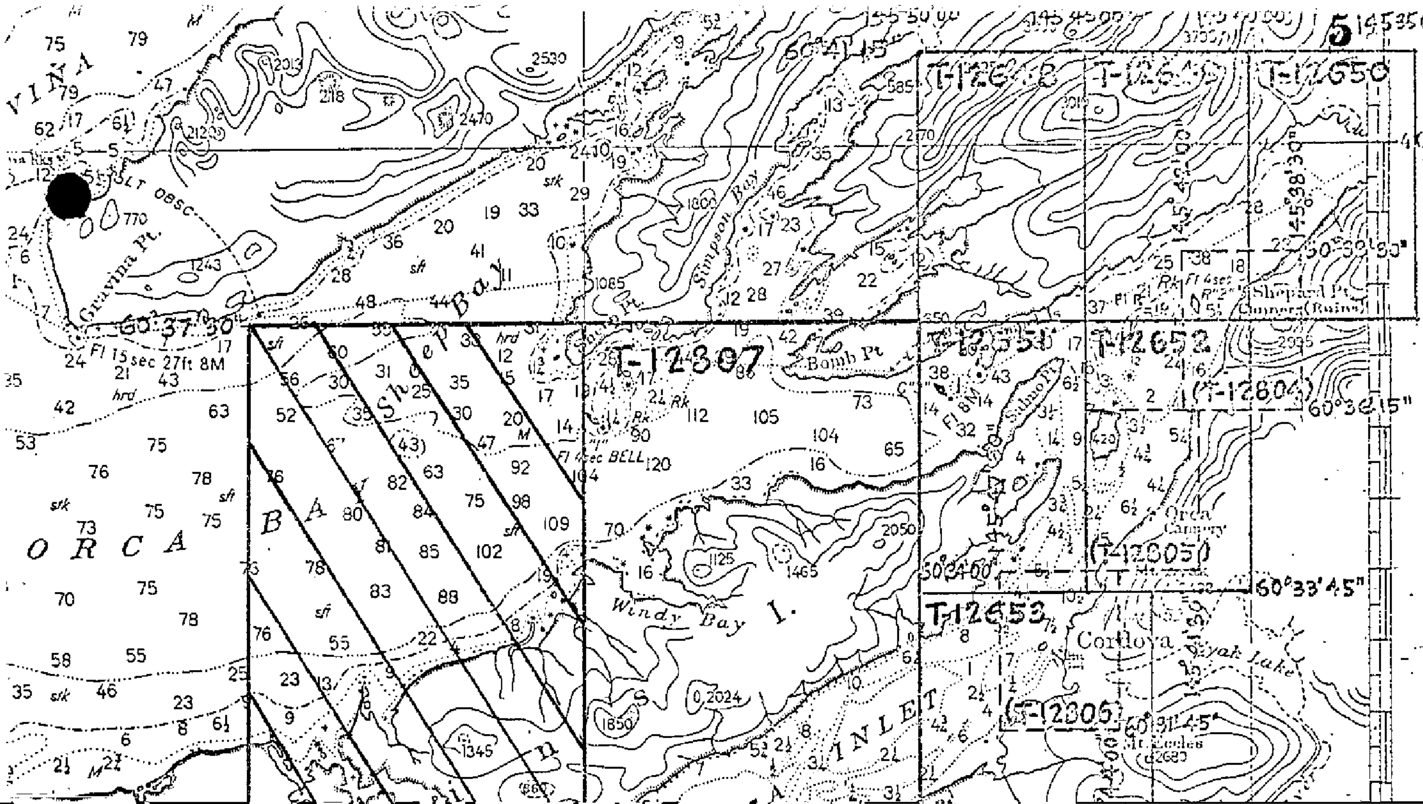
III. FEDERAL RECORDS CENTER DATA

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)*

	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


T-12807
T-12650
T-12652
T-12653
(T-12804)
(T-12805)
(T-12806)
O R C A
B A Y
Windy Bay I.
INLET
Bomb Pt
Gravina Pt.
Simpson Bay
Cordova
Orca Cannery
Shepard Pt
60°37'30"
60°33'45"
60°36'15"
Fl 15 sec 27ft 8M
Fl 4sec BELL

[redacted]

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

T-12807, T-12439, T-12667 through T-12670

Shoreline Maps T-12807, T-12439, and T-12667 through T-12670 are all 1:20,000 scale maps, 7½ minutes in latitude and 10 minutes in longitude, covering the southwest portion of Project PH-6409, Orca Inlet, Alaska. The purpose of these maps was to provide hydro support and to furnish shoreline for nautical chart construction.

As stipulated in the instructions, compilation was by Kelsh and graphic methods, using tide coordinated infrared photography taken at near and below MLLW and near MHW.

The area covered by these maps was severely affected by the 1964 earthquake. A general uplift resulted. Because of the very wide expanse of mud and sand tidal flats which exist, it is logical to expect new shorelines to have been created. However, many such shorelines may have gone undetected or been misidentified on the infrared photography because of rain which dominates weather conditions of the area. Also, in May, the date of photography, there is a constant runoff from melting snow. This also serves to keep the ground wet. The newness of the shoreline (14 months since the earthquake) might mean that a sufficiently distinguishable berm line would not have had time to develop. These factors may have combined to make new shoreline created since the earthquake unidentifiable on the infrared photography taken at 7.9 to 8.2 feet above MLLW. MHW is 11.5 feet at Cordova. The shoreline shown is from office interpretation without field confirmation.

Field work preceeding compilation consisted of the recovery, identification and establishment of horizontal control necessary for bridging. There was no clarification of details.

Except for T-12807, which was partially edited in 1965, none of these maps was field edited.

Final review was done at AMC in March and April of 1977.

FIELD INSPECTION

T-12439

There was no field inspection prior to compilation.

Photogrammetric Plot Report
Orca Inlet, Alaska
PH-6409
October 1965

21. Area Covered

This report pertains to the area of Orca Inlet, Alaska. The sheets covered are T-12667, T-12668, T-12669, T-12670, and parts of T-12439 and T-12807.

22. Method

Four strips were bridged by analytic aerotriangulation methods. Common points were transferred from Strips #1 and #2 (1:60,000 scale) to infrared photography (1:40,000 scale) which is to be used by compilation. These points are 150 micron drill holes on the infrared photography.

Strips #3 and #4 (1:40,000 scale) are infrared photography to be used by compilation. Plane coordinates for Alaska, Zone 3, have been furnished.

23. Adequacy of Control

The control was adequate. Most of the control consisted of premarked stations; however, three stations were used that had been identified on a previous survey in the area. Two office identified control stations were also used.

Strip #3 was adjusted in part on tie points from Strip #4.

SKY 2, 1965 (temp.), a premarked station, could not be held in the adjustment. The discrepancy of this station is 78 feet in X and 310 feet in Y. It is obvious that the object identified as the target was not the target and that the target is not visible on the photography. The lack of fit by this station will in no way affect the accuracy of the manuscripts.

24. Supplemental Data

Approximate elevations were taken from USGS topographic quadrangles to satisfy vertical requirements for the horizontal-vertical strip adjustment program.

25. Photography

The photography was adequate.

Respectfully submitted:

Don O. Norman

Don O. Norman

Approved and Forwarded:

Henry P. Eichert

Henry P. Eichert
Acting Chief, Aerotriangulation
Section

AEROTRIANGULATION
Fit to Control
Orca Inlet
(Closures are shown in feet)

Strip #1		
GLACIER, 1965 (temp)	0.0	0.0
SKY 2, 1965 (temp)	-78.4	-310.0
WHITSHED, 1916	+ 1.2	+ 2.2
substation	0.0	+ 0.2
MUMMY ISLAND LIGHT, 1964	+ 1.6	+ 4.0
PINNACLE ROCK, 1899 (office ident.)	0.0	- 0.3
GIRL, 1899 RM#1	+ 1.4	- 2.7
DAVE, 1899	0.0	0.0
Strip #2		
DAVE, 1899	- 0.1	+ 1.1
GIRL, 1899 RM#1	+ 0.6	- 3.6
WHITSHED, 1916	not visible	
substation	+ 1.0	+ 3.0
EGG ISLAND LIGHT, 1965	- 1.0	- 2.3
substation	- 4.4	+ 0.7
SKY 2, 1965 (temp)	not visible	
GLACIER, 1965 (temp)	- 0.6	+ 0.6
Strip #3		
DAVE, 1899	- 0.5	+ 1.2
69403 tie point from Strip #4	+ 0.8	- 1.6
67402 tie point from Strip #4	+ 0.6	- 2.3
65403 tie point from Strip #4	- 1.3	+ 3.8
ORCA CANNERY S. BLDG. W. GABLE, 1955	+ 0.4	- 1.4
Strip #4		
CORDOVA BOAT HARBOR LIGHT 2, 1964	+0.7	- 0.7
CORDOVA LIGHT #1, 1964 (office ident.)	+ 0.3	- 0.7
TRAVEL 2, 1964		
substation "A"	- 1.3	+ 1.3
substation "B"	- 2.9	+ 6.0
MUMMY ISLAND LIGHT, 1964	+ 0.4	+ 11.1
PINNACLE ROCK, 1899 (office ident.)	+ 0.8	- 1.9
GIRL, 1899 RM#1	- 0.2	+ 1.0

Tie points between Strips #1 & #2

02401	+0.3	+0.7
02402	0.0	-0.6
03401	-3.4	-1.1
03402	+1.5	-0.1
04401	-1.3	+0.9
04402	-3.3	-2.8
05401	-2.9	-2.4
05402	-0.6	-3.7
06401	-0.1	-7.1
06402	+1.3	-4.3
07401	+5.7	-6.5
07402	+6.7	+0.1
08401	+2.4	-2.0
08402	+1.6	-3.1
09401	+2.2	-0.4
09402	-0.6	-1.5
10401	-1.2	-6.1

Tie points between Strips #3 & #4

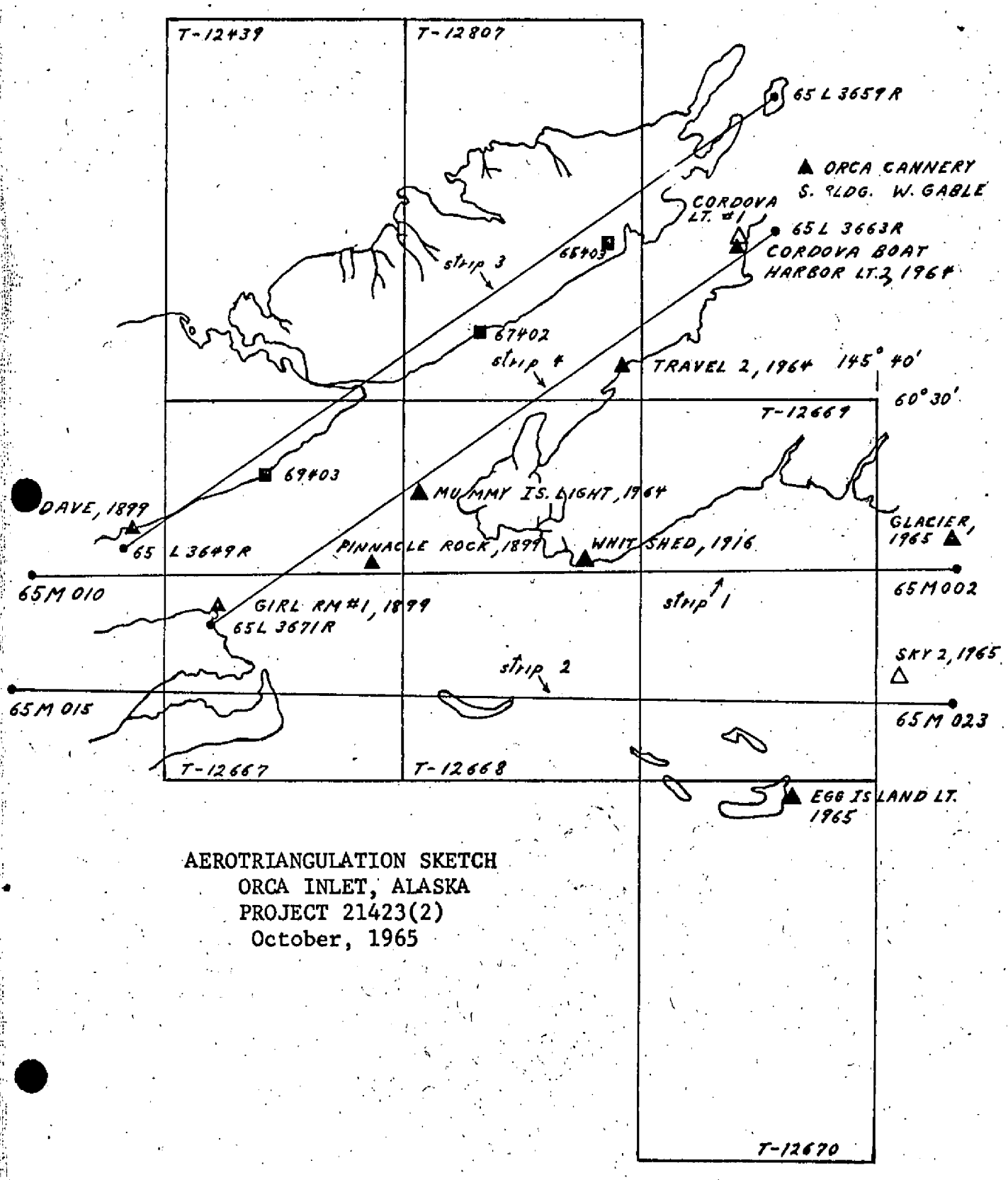
70401	+2.5	-4.6
70402	+2.3	-5.0
69401	+0.7	-3.2
69402	-1.0	-4.2
68401	-1.4	-0.6
68402	-0.3	-1.1
68403	-2.0	-0.2
67401	-0.2	-4.2
67403	+0.6	-2.3
66401	-0.9	-1.1
66402	-1.8	+0.1
65401	+0.8	+1.2
65402	-0.8	+3.4
64401	-0.6	+4.5
64402	-0.1	+2.0

Tie points between Strips #1 & #3

50401	+4.3	-5.1
50402	+7.3	-9.0
69403	+7.1	-8.8

Tie points between Strips #1 & #4

67404	+3.2	-4.2
67405	+5.3	-2.7
71401	+2.4	-1.3
71402	+0.1	+1.4



AEROTRIANGULATION SKETCH
ORCA INLET, ALASKA
PROJECT 21423(2)
October, 1965

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-12439	PH-6409	NA 1927	Coastal Mapping Division, AMC, Norfolk, VA

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
NAT, 1899	Quad 60146 P. 8		x=	φ 60 30 22.977	711.2	(1145.9)
			y=	λ 146 00 06.079	92.8	(823.0)
			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: C. H. Bishop	DATE: 6/06/66	COMPUTATION CHECKED BY: A. L. Shands	DATE: 2/14/77
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.

COMPILATION REPORT

T-12439

31. DELINEATION:

Models were set on the instrument to locate common points. These were used to control the graphic delineation of details from the ratio photographs. There was no field inspection. The north shore of Hawkins Island was not compiled. No hydro was scheduled for that area of Orca Bay.

32. CONTROL:

See Photogrammetric Plot Report dated October, 1965.

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

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36B, Item 5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

41. CHANNEL AND SHOAL LINES:

Bottom features visible on the lowest stage photography were delineated as channel and shoal lines.

46. COMPARISON WITH EXISTING MAPS:

Comparison was made with USGS Quadrangle CORDOVA (C-6), ALASKA, 1:63,360 scale, dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 8520, 1:80,000 scale, dated July 20, 1964.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Lowell O. Neterer Jr.

L. O. Neterer, Jr.
Cartographic Technician

Approved by:

Albert C. Rauck Jr.

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

T-12439

48. GEOGRAPHIC NAME LIST:

Canoe Passage
Hawkins Island
Hidden Creek
Orca Inlet

NOTE: Names appearing on this list were furnished by the Staff Geographer on USGS Quad Cordova (C-6), Alaska, dated 1950.

NOAA FORM 75-74
(2-74)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-~~XXXXX~~ 12439

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

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
LLG	None	None

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
None	None	Washington Office	None

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
LLG	LLG	LLG	None

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
None	None	None	None

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
LLG	LLG	None

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
None	None	None	None

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
None	None	None	None

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
None	None

MISCELLANEOUS

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

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
None	LON	None	LLG

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
O.A. Schand for L. L. Graves	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

43. REMARKS

This map not field edited.

REVIEW REPORT

T-12439

SHORELINE

March 23, 1977

61. GENERAL STATEMENT:

See Summary, which is Page 6 of this Descriptive Report. A comparison print showing the differences noted in Paragraphs 62 and 65 is submitted with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

The area is covered by Registered Surveys 3642 and 3648, each 1:20,000 scale, dated 1916. No meaningful comparison could be made, however, because the shoreline in the area of comparison is symbolized as unsurveyed on each of these maps.

T-12439 does supersede Registered Surveys 3642 and 3648 for nautical chart construction in the area compared.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with USGS Quadrangle CORDOVA (C-6), ALASKA, 1:63,360 scale, dated 1950. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

No contemporary hydrographic surveys were conducted in the area bounded by this map.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 8520, 1:80,000 scale, 13th Edition, dated March 7, 1966. The position of Canoe Passage is east of the position shown on T-12439. This is shown on the comparison print in red pencil.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions, except no field edit was performed. The map meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

A. L. Shands

A. L. Shands
Final Reviewer

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

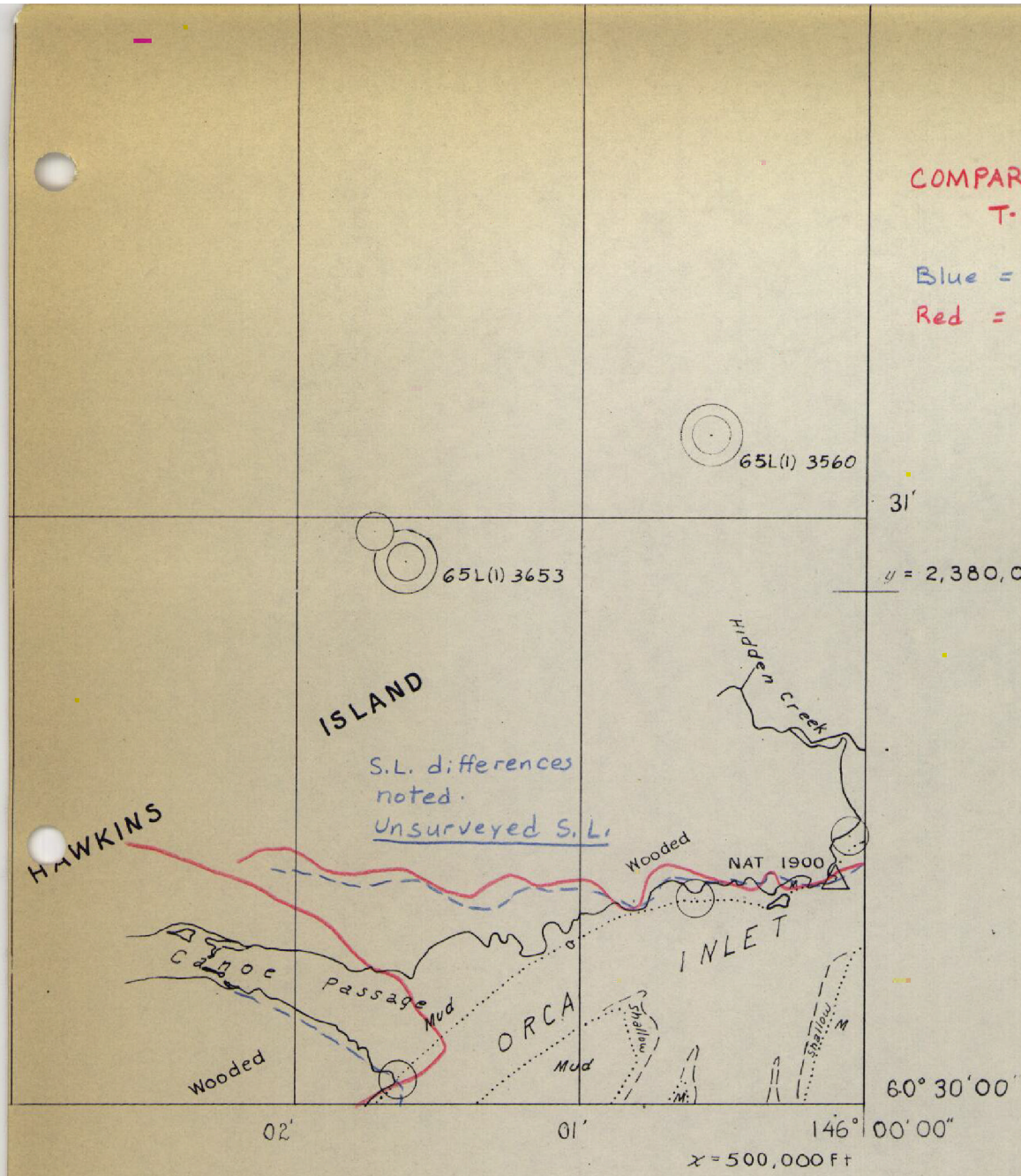
Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

COMPARISON PRINT
T-12439

Blue = Req. Survey 3648
Red = Chart 8520



NATIONAL OCEAN SURVEY
SHORELINE MANUSCRIPT
T-12439
ALASKA
ORCA INLET
CANOE PASSAGE
SCALE 1:20,000
(1 inch = 1666.7 ft.)
CONTROL DATA
Polyconic Projection. 1927 North American datum
10,000 ft. grid based on Alaska (zone 3) plane coordinate system.
Datum plane: Mean High Water

T-12439