T-13174

T- 13174

NOAA FORM 76-35
(3-76)

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

DESCRIPTIVE REPORT

Map No.	*Edition No.*
T-13174	1

Job No. PH-6709

Map Classification
FINAL FIELD EDITED MAP

Type of Survey
SHORELINE

LOCALITY

State
Alaska

General Locality
Shelikof Strait

Locality
Takli Island

19 67 TO 19 75

REGISTRY IN ARCHIVES

DATE

*U.S. GOVERNMENT PRINTING OFFICE:1976-669-248

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 T/S 13174
MAP EDITION NO. (1)
MAP CLASS Final Field Edited Map
JOB PH- 6709

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division, AMC, Norfolk, VA

OFFICER-IN-CHARGE
Jeffrey G. Carlen

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	09/26/68	Premarking Feb 10, 1967
Compilation	05/06/68	
Compilation	11/06/70	

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: 5

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	I. Saperstein	Apr 1968
METHOD: Analytic	LANDMARKS AND AIDS BY	None	
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	A. Bethea	Oct 1968
METHOD: Calcomp	CHECKED BY	L. Van Scoy	Oct 1968
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	L. Neterer	Jun 1971
	CHECKED BY	L. Graves	Jun 1971
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:15,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	L. Neterer	Jul 1971
	CHECKED BY	R. White	Jul 1971
METHOD: Smooth drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	L. Neterer	Jul 1971
	CHECKED BY	R. White	Jul 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R. White	Jul 1971
6. APPLICATION OF FIELD EDIT DATA	BY	C. Parker	Jul 1976
	CHECKED BY	F. Margiotta	Aug 1976
7. COMPILATION SECTION REVIEW	BY	F. Margiotta	Aug 1976
8. FINAL REVIEW	BY	C. Blood	Mar 1987
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Byrd	Apr 1987
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	P. Dempsey	Aug 1987
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	E. L. DAUGHERTY	AUG '87

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-13174

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-9"M" FL= 88.20mm
Wild RC-8"L" FL=151.77mm

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: Alaska — [X] STANDARD
MERIDIAN: 150th — [ ] DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*67L(C)4515-4519	7/27/67	10:35	1:30,000	1.7 ft above MLLW
*67L(C)4521	7/27/67	10:40	1:30,000	1.6 ft above MLLW
**67L(C)4576-4578	7/27/67	12:53	1:30,000	3.2 ft above MLLW
67L(C)4595-4597	7/27/67	13:09	1:30,000	3.9 ft above MLLW
67L(C)4606-4609	7/27/67	13:18	1:30,000	4.2 ft above MLLW
67M(P)931-933	7/11/67		1:60,000	Not applicable
67M(P)1003-1005	7/27/67		1:60,000	Not applicable

REMARKS
*Compilation photography **Graphic compilation photographs - See Photogrammetric Plot Report dated April 1968 Item 22 Method.

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The mean lower low water line was compiled from 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
T-13170	T-13175	No survey	T-13173 & T-13177

REMARKS
None

☆U.S.GOVERNMENT PRINTING OFFICE: 1985-564-007

NOAA FORM 76-36C
(3-72)

T-13174

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

HISTORY OF FIELD OPERATIONS

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

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		G. Short	July 1967
2. HORIZONTAL CONTROL	RECOVERED BY	G. Boyack	July 1967
	ESTABLISHED BY	G. Short	July 1967
	PRE-MARKED OR IDENTIFIED BY	G. Boyack	July 1967
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

paneled

PHOTO NUMBER	STATION NAME
67M 933	KINAK, 1967

2. VERTICAL CONTROL IDENTIFIED

NA

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

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

NOAA FORM 76-36C
(3-72)

T-13174

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

HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Alderman	June 1975
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 ☒ NO INVESTIGATION	BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	Gulley & Astle	June 1975
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)*

67L 4519, 4577, 4578, 4597, 4609 and 4595

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 Field edit report

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

NOAA FORM 76-36D
(3-72)

T-13174

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

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	July 1971	Class III manuscript Superseded	7/26/71	4/2/75
Field edit applied. Compilation complete	July 1976	Class I manuscript	8/5/76	8/4/76
Final Review	Mar 1987	Final Map	June 1987	

II. LANDMARKS AND AIDS TO NAVIGATION None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

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 76-40 ~~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:

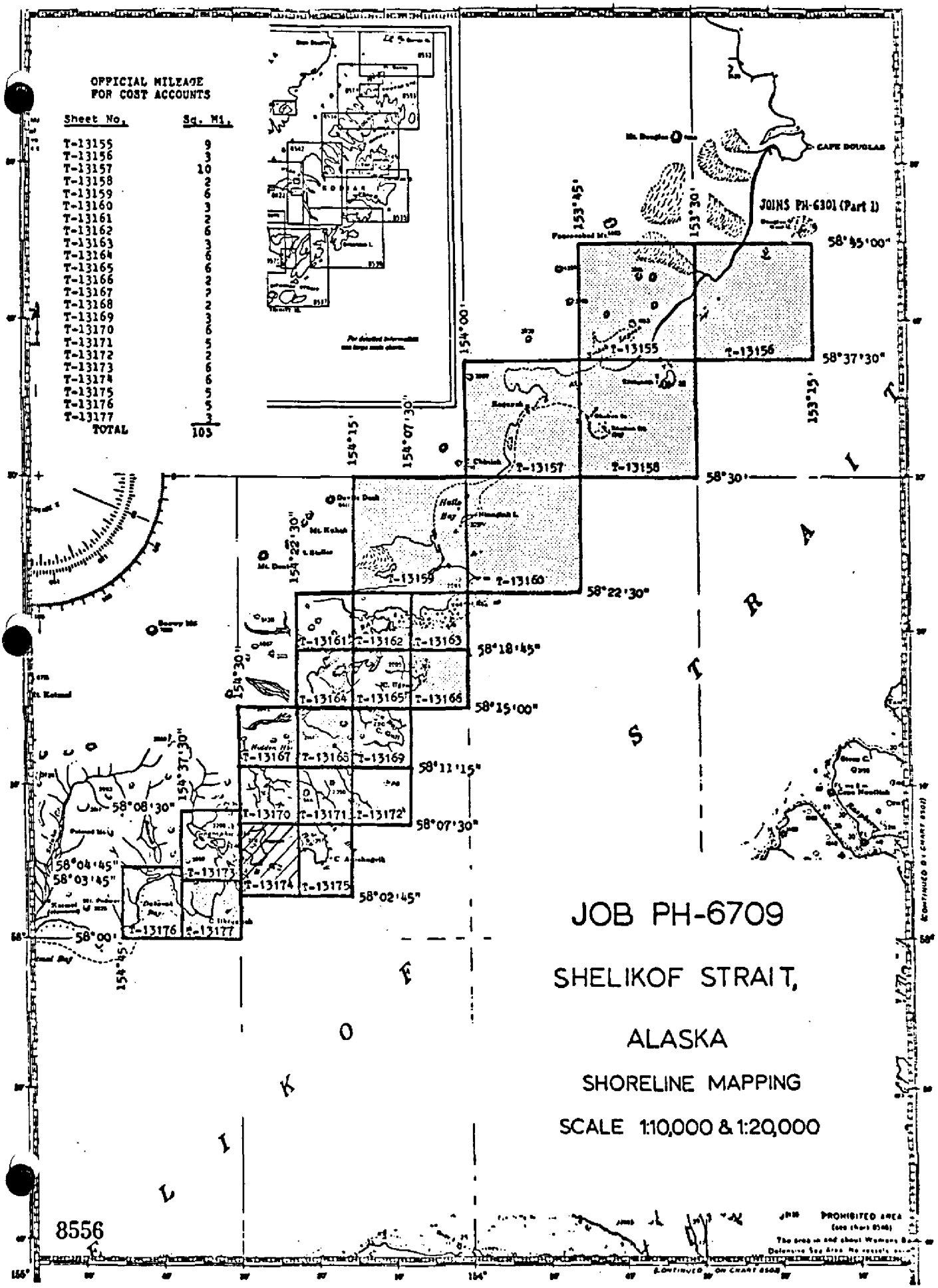
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

NOAA FORM 76-36D

☆U.S. Government Printing Office: 1975 – 665-661/1108, Region No. 6


OFFICIAL MILEAGE
FOR COST ACCOUNTS
Sheet No. Sq. Mi.
T-13155 9
T-13156 3
T-13157 10
T-13158 2
T-13159 6
T-13160 3
T-13161 2
T-13162 6
T-13163 3
T-13164 6
T-13165 6
T-13166 2
T-13167 3
T-13168 2
T-13169 3
T-13170 6
T-13171 5
T-13172 2
T-13173 6
T-13174 6
T-13175 5
T-13176 5
T-13177 4
TOTAL 105
JOINS PH-6301 (Part 1)
CAPE DOUGLAS
T-13155
T-13156
T-13157
T-13158
T-13159
T-13160
T-13161
T-13162
T-13163
T-13164
T-13165
T-13166
T-13167
T-13168
T-13169
T-13170
T-13171
T-13172
T-13173
T-13174
T-13175
T-13176
T-13177
58°45'00"
58°37'30"
58°30'
58°22'30"
58°18'45"
58°15'00"
58°11'15"
58°07'30"
58°04'45"
58°03'45"
58°02'45"
58°00'
154°15'
154°07'30"
154°00'
153°45'
153°30'
153°15'
154°30"
154°22'30"
154°37'30"
154°45'
JOB PH-6709
SHELIKOF STRAIT,
ALASKA
SHORELINE MAPPING
SCALE 1:10,000 & 1:20,000
8556

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

T-13174

This 1:10,000 scale Final shoreline map is one of twenty-three maps designated as project PH-6709, Shelikof Strait, Cook Inlet, Alaska. Six maps are 1:20,000 scale and seventeen maps are 1:10,000 scale.

The purpose of this map was to provide contemporary shoreline in support of hydrographic operations and to aid in chart revision.

Field work prior to compilation during the 1967 field season consisted of recovery and premarking of horizontal control for aerotriangulation.

This map area was photographed in July 1967 with the RC-9 "M" camera at 1:60,000 scale using panchromatic film. The map area was also photographed in July 1967 with the RC-8 "L" camera at 1:30,000 scale using color film.

Aerotriangulation was completed at the Washington Office in April 1968.

This map was compiled at the Norfolk Office in July 1971.

Field edit was acquired for T-13174 during the 1975 field season. Field edit was applied at AMC in August 1976.

Final review was accomplished at the Atlantic Marine Center in March 1987. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this Final Field Edited Map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

T-13174

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and premarking of the horizontal control necessary for the aerotriangulation of the project.

Photogrammetric Plot Report
Job PH-6709
Shelikof Strait, Alaska

April 1968

21. Area Covered

The area of this report covers the western shore of Shelikof Strait, Alaska, and consists of seven (7) 1:20,000 scale T-sheets, T-13154 thru T-13160 and seventeen (17) 1:10,000 scale T-sheets T-13161 thru T-13177.

22. Method

Strips 1, 2, 3 and 4 were bridged by analytic aerotriangulation methods. Strips 211, 212, 222, 223, 232, 233, 241 and 281 were bridged by stereoplanigraph using tie points located by the analytic bridge. Strips 224, 231, 242 and 243 were not bridged, but sufficient points have been located to set the models. Photographs 4576 and 4578 on sheet T-13174 are to be compiled graphically using points to be transferred from the color plates to the ratio prints. This is a water model and may be difficult to set.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustments. Closures to control are shown for each strip on the IBM readout, along with all bridge points on Alaska Zone 5 plane coordinates.

23. Adequacy of Control

Horizontal control is adequate to control strips 1, 2, 3 and 4. All color photographs that were bridged used tie points and horizontal control. This was adequate. All horizontal control was premarked with the exception of DAKAVAK, 1967 and KINAK, 1967. RC-9 photography on strip 2 was flown before the above stations were panelled. KINAK, 1967 was transferred on the PUG from strip 4 to strip 2. DAKAVAK, 1967 was outside the limits of strip 1 and 4 and it was impossible to transfer the point from the color photography due to a poor area. DAKAVAK, 1967 was therefore omitted from the adjustment of strip 2.

DOUGLAS, 1964 could not be held in the adjustment of strip 3. The station is at the extreme edge of the photograph where film distortion is greatest.

24. Supplemental Data

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

The definition and quality of the RC-9 "M" and RC-8 "L" color photography were fair and good respectively. Coverage was adequate to compile all sheets.

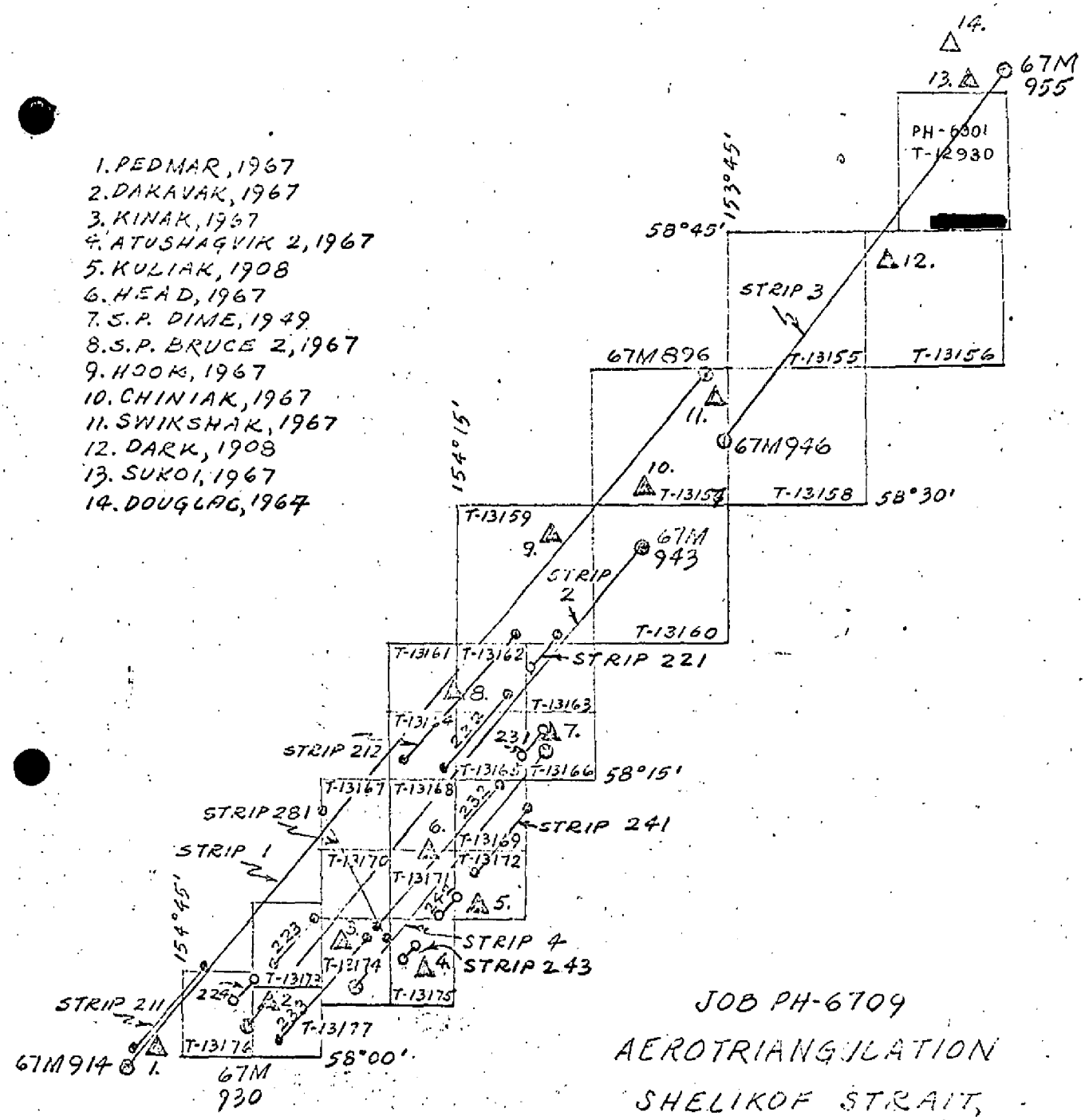
Ratio prints have been ordered from the 1:40,000 scale color photographs on black and white base that cover the 1:20,000 scale sheets. Ratio prints have also been ordered from the 1:30,000 scale color photographs on black and white base that cover the 1:10,000 scale sheets.

Respectively submitted,

I. I. Saperstein

Approved and forwarded

Chief, Aerotriangulation Section



JOB PH-6709

AEROTRIANGULATION

SHELIKOF STRAIT,

ALASKA

▲ Control used in adjustment
⊙— Strips bridged analytically
●— Strips bridged by stereoplanigraph
○— Strips not bridged; models to be sealed using points from analytic bridge.

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
~~NATIONAL OCEAN SURVEY~~
National Ocean Service
CHARTING AND GEODETIC SERVICES
Rockville, Md. 20852

March 10, 1983 N/CG2321:GF

TO: N/CG232 - George M. Ball
N/MOA22 - A. Y. Bryson

FROM: N/CG23 - Lawrence W. Fritz

SUBJECT: Geodetic Datum, Jobs PH-6709 and CM-7607 Part ~~II~~ I

A horizontal datum conflict occurs between these jobs. This conflict was detected during an evaluation of 1980 field data developed for PH-6709. A complete review of project data for both jobs has been conducted to seek the proper course of action required to resolve this matter.

1. Review. The examination revealed the following:

   a. Maps comprising each job are Class I and unreviewed.

   b. Copies of unreviewed maps have been furnished in support of hydrography by N/MOA221.

   c. N/CG232 has not released any data to N/CG22.

   d. Aerotriangulation of each job checked well within the specified standards.

   e. The National Geodetic Survey, in 1976, readjusted segments of the control network within the region of Alaska covered by these photogrammetric jobs. This action affected all geodetic stations used in these projects and resulted in an adjustment of approximately -.02 second in latitude and +.84 second in longitude to the stations.

   f. The datum conflict occurs because base compilation of PH-6709 is based on aerotriangulated positions determined using geodetic station positions prior to the 1976 adjustment and CM-7607 compilation is controlled using post-1976 adjusted geodetic positions.

   g. Conflict between jobs went unnoticed during aerotriangulation and compilation. Two reasons probably caused this; aerotriangulation operations were accomplished independently and meet standards, and the shoreline at the junction between jobs is oriented in an east-west direction and the major datum shift occurs in longitude.

h. Map T-13176(PH-6709) represents conflicting data. This map depicts detail compiled from photographs controlled using pre-1976 geodetic data and 1980 field information based on adjusted geodetic data.

i. Users of PH-6709 data must be alerted about the geodetic adjustment. Users will be required to effect a datum adjustment before this data is used in the production of charts, other maps or surveys, etc.

2. Actions Required. Because of the 1976 geodetic adjustment, the following actions are required and to be taken immediately:

a. Make appropriate report documentation for each map of PH-6709 indicating that map detail is based on geodetic control positions prior to the 1976 adjustment and add this statement to each map: "The National Geodetic Survey readjusted the geodetic network in 1976. This map is based on geodetic control positions prior to the adjustment." Because CM-7607 is based on adjusted control, a map notation is not required. However, for the one map junctioning with PH-6709, report documentation addressing the datum conflict is required.

b. Field data developed in 1980 was applied to T-13176(PH-6709). Data applied based on 1980 field geodetic positions are to be removed. This will generally include geodetic stations and rocks. Data applied based on map detail/photo image points are adequate and will remain in the photogrammetric records, e.g.; area limits, items graphically applied, items intersected using radial plot principals.

c. Field data and records acquired that are based on 1980 geodetic field control and affecting T-13176 are to be transferred to the hydrographic record for H-9887 and H-9896 through N/CG2321. It will be necessary to prepare duplicate field records to remain with photogrammetric data.

d. A map copy of T-13176, after it is updated, will be required to complete H-9887/H-9896 and is to be routed through N/CG2321 to N/CG24.

3. Miscellaneous. A request has been made by N/CG24 for an updated copy of T-13176 before 4/20/83. If compliance with this request cannot be met, please inform this office immediately. Completion schedule for final review is pending and will be addressed by subsequent instructions.

cc:
N/CG2342
N/CG24
N/MOA221 ✓

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-13174	PH-6709	N.A. 1927	Coastal Mapping Division, AMC, Norfolk, VA

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Alaska ZONE 5	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS
KINAK, 1967	ADJ. I.B.M.	33100	x= 1342.6 513.8 y= 258.3 724.7	φ 58 05 43.396 λ 154 27 15.769	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	
			x= y=	φ λ	

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
A. C. Rauck, Jr.	5/3/68	J. R. Minton	5/7/68
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.

14

COMPILATION REPORT

T-13174

31. DELINEATION:

Compilation was done on the Wild B-8, using color photographs taken July 1967. The southeast map portion, not covered by the bridged photography, was compiled graphically. See Form 76-36B for photographs used. The photography was adequate.

32. CONTROL:

See Photogrammetric Plot Report dated April 1968.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

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

35. SHORELINE AND ALONGSHORE DETAILS:

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

36. OFFSHORE DETAILS:

The offshore detail was compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS:

There were no charted nonfloating aids or landmarks and none were noted during stereoscopic instrument compilation.

38. CONTROL FOR FUTURE SURVEY:

None.

T-13174

39. JUNCTIONS:

Satisfactory junctions have been made with T-13170 to the north, T-13175 to the east, T-13177 south of latitude 58 04' 00" and T-13173 north of latitude 58 04' 00".

40. HORIZONTAL AND VERTICAL ACCURACY:

Refer to Item #32.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with NOS Chart 8556, scale 1:350,000, 3rd edition, dated October 23, 1967.

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
July 2, 1971

Approved:
Charles E. Blood
for
Albert C. Rauck, Jr.
Chief, Coastal Mapping Division, AMC

ADDENDUM TO THE COMPILATION REPORT

T-13174

FIELD EDIT

Field edit was applied from office interpretations of the field editors inspections. Field inspection of this map is adequate except offshore rocks are to be completed by hydrographer on boat sheet (H-9520) with DP's given.

18
JAN 14 1987

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6709 (Shelikof Strait, Alaska)

T-13174

Alaska Peninsula
Amalik Bay
Cape Atushagvik
Kinak Bay
Russian Anchorage
Shelikof Strait
Takli Island

Approved:

Charles E. Harrington

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

FIELD EDIT REPORT

Map T-13174

Takli Island, Alaska

May - June, 1975

Field edit of map T-13174 was done by Lt(jg) Gulley and Lt(jg) Astle during May and June, 1975. Field inspection of the area was done at various stages of the tide by skiff and on foot.

METHOD

Photographs and a copy of the field edit ozalid were examined in the field. The MHWL was verified and corrected where necessary. All field edit data and corrections are noted on the photographs, film ozalid or paper ozalid. All times are based on GMT.

ADEQUACY OF COMPILATION

Compilation of this map is generally good. MHWL was correct except where noted. Note:

-A rock was found at 58°05.86'N, 154°22.86'W. See boat sheet H-9520.

-A rock was found in the general vicinity of 58°04.73'N, 154°26.35'W. See boat sheet H-9520 for detached position.

-A rock, bare 1 ft. at 1741Z 19 May 1975, was found at 58°04.00'N, 154°25.25'W. See film ozalid & photo 27 Jul 67L4577.

-A foul are was found at 58°03.27'N, 154°24.13'W. Another one was found at 58°03.25'N,154°24.47'W. See film ozalid for delineation.

-The small reef was found at 58°03.04'N, 154°25.58'W. See film ozalid and photo 27 JUL 67L4577 for details.

-The small bay in the vicinity of 58°03.35'N, 154°25.8'W is foul with kelp and rocks, and is shallow.

-Several rocks & reefs were found on the southern side of Takli Island at the following positions:

58°03.05'N, 154°28.48'W
58°02.97'N, 154°28.80'W
58°03.06'N, 154°29.45'W
58°02.85'N, 154°29.66'W

Refer to film ozalid and photo 27 Jul 67L4578.

-An extension of ledge, but no rock was found at low tide in the vicinity of 58°03.14'N, 154°28.72'W. See film ozalid.

-The area in the vicinity of 58°03.6'N, 154°26.9'W is correct as shown on the manuscript.

-The foul limit (58°03.2'N, 154°27.05'W) was extended as shown on the manuscript. Refer to boat sheet H-9520.

-A rock was found on the north side of Takli Island at 58°03.93'N, 154°28.08'W. See photo 27Jul 67L4595.

-A rock was found at 58°04.84'N, 154°29.27'W. See film ozalid & photo 27 Jul 67L4595.

-A rock was found at 58°04.8'N, 154°28.34'W. See film ozalid & photo 27 Jul 67L4595.

-No rock was found at low water in the vicinity of 58°04.9'N, 154°27.4'W. The only rocks in the area are those within the ledge limits just to the northeast.

Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes on the ozalid and photographs, and that the map be accepted as an advance manuscript.

FIELD EDIT REPORT

Cape Ilktugitak to Douglas Reef, Alaska

OPR - 478

Summer 1975

Introduction

Field edit reports are attached for the following Job PH-6709 maps:

T-13155 through T-13175, and T-13177

Manuscript T-13176 was not field edited since the survey area did not include Dakavak Bay.

Copies of the field edit ozalids were taken into the field. All notes were made on these field ozalids. The matte ratio prints were used as a last resort in the field when the field ozalid did not provide enough information. The matte ratio prints were found to be of poor quality, very grainy and lacking clarity. These photographs were also hard to handle in the field because of paper curl and stiffness. The cronapaques were of slightly better quality (in clarity and definition) than the matte ratio prints, but they still left a lot to be desired because of their graininess.

Another problem encountered with these photographs was the stage of the tide at the time of photography. Many of the rocks shown on the manuscripts could not be found on the photographs because the tide was too high in these photographs. It would be of great help to have photographs taken at a lower tidal stage.

Apparently color photographs of the area are available. However, none were furnished. Color photographs are far superior to black and white photographs in clarity and definition, and with the added feature of color, are of greater value to the field editor. It is highly recomended that color photographs be furnished in the future.

Compilation of the maps is generally good. All notes were made in violet ink on the ozalids and cronapaques, with deletions in green ink and references to hydrography in red ink. All heights of rocks were estimated by the field editor. Where required, the MHWL was located by measuring distances from photoidentifiable points, as noted on the photographs. All times are based on G.M.T.

Turbid water (due to glacial runoff) in several bays of the project area made it difficult to locate some of the rocks and shoal areas. Due to

the vast amount of area and shoreline involved, and to the fact that all hydrography was electronically controlled, it was impractical to establish visual signals to be used for field edit. Therefore, the hydrographic launches, and their electronic positioning equipment, were utilized to locate detached positions.

The dashed line symbol on the field edit ozalid was found rather confusing, since it depicts three different features: the approximate MLWL, foul limits, and ledge limits.

It is recommended that these maps be revised in accordance with the notes on the ozalids and cronapaques and on the attached sheets before acceptance as advanced manuscripts. Field inspection of these maps is complete, except as noted on the individual reports.

Respectfully Submitted:

Gregory P. Kowalski
Joanne Gulley
Lt(jg), NOAA

Approved and Forwarded:

Richard E. Alderman
CDR, NOAA
Commanding Officer,
NOAA Ship FAIRWEATHER (MSS-20)

REVIEW REPORT
SHORELINE

T-13174

61. GENERAL STATEMENT:

See the summary included with this Descriptive Report. The National Geodetic Survey readjusted the geodetic network in 1976. This map is based on a geodetic datum that existed prior to that adjustment.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the following Hydrographic Surveys:

H-9519, 1:10,000 scale, dated June 1977;
H-9520, 1:60,000 scale, date of survey June 1975;
H-9521, 1:10,000 scale, date of survey June 1975.

There were no conflicts.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with the NOS chart 16576, 1:80,000 scale, dated November 16, 1985, 1st edition.

The chart compared well with this manuscript.

T-13174

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

James L. Byrd, Jr.
Final Reviewer

Approved for forwarding:

Billy H. Barnes
Chief, Quality Assurance Group, AMC

Approved:

Chief, Photogrammetric Productions Sec.

Chief, Photogrammetry Branch

FORM C&GS-8352
(3-28-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. ____________________

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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