

TP-00636

TP-00636

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00636	Edition No. 1st *
Job No. CM-7210	
Map Classification CLASS III (FINAL)	
Type of Survey SHORELINE	
LOCALITY	
State Alaska	
General Locality Hinchinbrook Island	
Locality Port Etches	
1972 TO 19	
REGISTRY IN ARCHIVES	
DATE	

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

* - This map is partially field edit and will not be field edit in its entirety.

NOAA FORM 76-36A (3-72) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. <div style="text-align: center;">DESCRIPTIVE REPORT - DATA RECORD</div>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED SURVEY TP-00636 MAP EDITION NO. (1) MAP CLASS III, FINAL JOB CM-7210									
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division AMC, Norfolk, Virginia OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR /R. Matsushige, CDR.		LAST PRECEDING MAP EDITION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">TYPE OF SURVEY</td> <td style="width: 50%;">JOB PH. _____</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td>MAP CLASS _____</td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td>SURVEY DATES: _____</td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td>19__ TO 19__</td> </tr> </table>		TYPE OF SURVEY	JOB PH. _____	<input type="checkbox"/> ORIGINAL	MAP CLASS _____	<input type="checkbox"/> RESURVEY	SURVEY DATES: _____	<input type="checkbox"/> REVISED	19__ TO 19__
TYPE OF SURVEY	JOB PH. _____										
<input type="checkbox"/> ORIGINAL	MAP CLASS _____										
<input type="checkbox"/> RESURVEY	SURVEY DATES: _____										
<input type="checkbox"/> REVISED	19__ TO 19__										
I. INSTRUCTIONS DATED											
1. OFFICE		2. FIELD									
Aerotriangulation Aug. 18, 1972 Compilation Oct. 30, 1972 Field Edit Cancellation, Aug 19, 1980		Horizontal Control April 17, 1972 (Premarking)									
II. DATUMS											
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)									
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)									
3. MAP PROJECTION		4. GRID(S)									
Polyconic		STATE Alaska	ZONE 3								
5. SCALE 1:20,000		STATE	ZONE								
III. HISTORY OF OFFICE OPERATIONS											
OPERATIONS		NAME	DATE								
1. AEROTRIANGULATION BY		R. Kelly	Oct 1972								
METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY											
2. CONTROL AND BRIDGE POINTS PLOTTED BY		D. Phillips	Oct 1972								
METHOD: <u>Coradomat</u> CHECKED BY											
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		L. Neterer Jr.	Jan 1973								
COMPILATION CHECKED BY		R. White	Jan 1973								
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY		None									
SCALE: <u>1:30,000</u> CHECKED BY		None									
4. MANUSCRIPT DELINEATION PLANIMETRY BY		S. Kumer	Jan 1973								
CHECKED BY		L. Neterer Jr.	Jan 1973								
METHOD: <u>Smooth Draft</u> CONTOURS BY		None									
CHECKED BY		None									
SCALE: <u>1:20,000</u> HYDRO SUPPORT DATA BY		S. Kumer	Jan 1973								
CHECKED BY		L. Neterer Jr.	Jan 1973								
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		L. Neterer Jr.	Jan 1973								
6. APPLICATION OF FIELD EDIT DATA BY		G. Morris (Partial)	Jan 1978								
CHECKED BY		J. Massey (Partial)	Jan 1978								
7. COMPILATION SECTION REVIEW BY		J. Massey	Jan 1978								
8. FINAL REVIEW BY		J. Hancock	June 1981								
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. Hancock	July 1981								
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		R. Kelly	FEB 1982								
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		H. P. Wolfe	APR 21 1982								

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

TP-00636

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8"E" and RC-9 "M"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR X (P) PANCHROMATIC X (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Alaska MERIDIAN 150th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72-E(C)-4398-4401	Jul 3, 1972	11:50	1:40,000	1.8' above MLLW	
72-E(C)-4402-4404	Jul 3, 1972	11:59	1:40,000	2.1' above MLLW	
72-E(C)-4429-4430	Jul 3, 1972	12:20	1:40,000	2.7' above MLLW	
*72-M-1264-1266	Jul 3, 1972	11:09	1:60,000	1.2' above MLLW	
*72-M-1269-1272	Jul 3, 1972	11:26	1:60,000	1.3' above MLLW	
Camera focal length; E=152.71mm, M=88.20mm					

REMARKS

* The bridging photographs were used only on the Wild B-8.

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above-listed photographs.
Compilation was by office interpretation of aerotriangulation 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.
Compilation was by office interpretation of aerotriangulation 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
H-9713	1977	Verified smooth sheet			

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00634	TP-00635	No. Survey	PH-6410 TP-12663

REMARKS

ESSA FORM 76-36c
(2-70)U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

HISTORY OF FIELD OPERATIONS

TP-00636

I. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	June 1972
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby ESTABLISHED BY " "	" "
	PRE-MARKED OR IDENTIFIED BY I. Riggers	" "
3. VERTICAL CONTROL	RECOVERED BY None ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None LOCATED (Field Methods) BY None IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
Pre-marked (Paneled)		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72M-1264	Porpoise Rock, 1902		
72M-1266	X Prime, 1902		
72M-1263	Horn, 1972		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

3 forms C&GS 152

2 forms C&GS 526

HISTORY OF FIELD OPERATIONS TP-00636

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION (Partial)

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	CDR. B. I. Williams	Sept 1977
2. HORIZONTAL CONTROL	RECOVERED BY None ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY None ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None LOCATED (Field Methods) BY None IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY LTJG. R. Crowell	Sept. 1977
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

72E(C)4428

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

one film field edit ozalid

one field edit report

one fix volume

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

RECORD OF SURVEY USE

TP-00636

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit.	Dec. 1972	Class III manuscript	Feb. 12,73	Feb. 7, 73
Partial field edit appl.	Jan. 1978	Class III manuscript	Aug. 20,80	None
FINAL REVIEW, CLASSIII	June 1981	Final, Class III Map Field edit canceled	Feb. 1982	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Aug. 20,80	*Form 76-40 for 2 landmarks to be charted
1		Aug. 20,80	*Form 76-40 for 1 nonfloating aid to be charted
			*Forms inadvertently forwarded from compilation activity. See Final Review Report item #65 for explanation.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: July 19813. ☐ 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: FEB 26, 1982

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

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

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

TP-00636

This 1:20,000 shoreline manuscript is one of four maps, TP-00633 thru TP-00636, that comprise project CM-7210, Hinchinbrook Island, Alaska. Excluding the Boswell Bay area, the project limits incorporate all of Hinchinbrook Island and the western portion of Hawkins Island. This project junctions with the 1977 registered shoreline project PH-6409.

Via correspondence letter dated August 19, 1980, instructions from the Chief, Photogrammetric Division call for the cancellation of future field edit and requested registration for the project. Registration for TP-00633, TP-00635 and TP-00636 will be Final Class III Maps as only partial field edit has been accomplished. Map TP-00634 was completely field edited and will be registered as a Final Map.

The purpose of this project was to provide contemporary shoreline data in the support of hydrographic operations and to furnish data for nautical chart revision.

Contemporary hydrographic surveys were performed by NOAA ships DAVIDSON in 1973 and FAIRWEATHER in 1977. The 1973 hydro operation, H-9387, OPR 999, 1:20,000 scale, is a corridor survey which developed Hinchinbrook Entrance and included the southwestern point of Hinchinbrook Island. Even though field edit was not performed during this hydro survey a comparison was made during final review with a copy of the verified smoothsheet. The 1977 hydro survey, H-9713, OPR 452, 1:10,000 scale included the Port Etches area common to this shoreline map. Partial field edit was accomplished during the hydro operation. Final review included a map comparison with a copy of the verified smoothsheet.

Field work prior to compilation was accomplished in April 1974; this involved the establishment of horizontal control by premarking methods in order to meet aerotriangulation requirements.

Photo coverage was provided in July 1972 for aerotriangulation and compilation using panchromatic film with the "M" camera at 1:60,000 scale. Hydro support photography was taken using natural color film with the "E" camera at 1:40,000 scale.

Analytic aerotriangulation was adequately provided by the Washington Science Center in October 1972.

Compilation was performed at the Atlantic Marine Center in Jan. 1973. Copies of the Class III manuscript were immediately forwarded to the Pacific Marine Center for the hydrographic survey scheduled in Prince William Sound. This hydro project progressed, as initially proposed, for several field seasons.

TP-00636

Partial field edit for this Class III Map was performed by ship personnel in conjunction with the 1977 contemporary hydrographic survey.

Partial field edit was applied in January 1978 by the Photogrammetric Branch at the Pacific Marine Center.

Final review was performed at the Atlantic Marine Center in June 1981. Classification for this map will be a Final Class III Map due to the cancellation of completing field edit.

The original base manuscript and all pertinent data was forwarded to the Washington Science Center for final registration.

Field Inspection

TP-00636

There was no field inspection prior to compilation
Field inspection was limited to identification of horizontal
control.

PHOTOGRAMMETRIC PLOT REPORT
Job CM-7210
Hitchenbrook Island, Alaska
October 1972

21. Area Covered

This report covers TP sheets, TP-00633 thru TP-00636 of Hitchenbrook Island, Alaska, at 1:20,000 scale.

22. Method

Three strips of 1:60,000 scale photography were bridged by analytic aerotriangulation methods to provide horizontal control and ratio points for 1:40,000 scale photography. The attached sketch of the strips bridged shows the placement of triangulation used in the strip adjustments. A list of closures to control is part of this report. Positions of all pass points, control stations, and ratio prints have been plotted on the manuscripts by the Coradi, on the Alaska Zone 3 plane coordinate system.

23. Adequacy of Control

The horizontal control provided was adequate and held well within the accuracy required by National Standards of Map Accuracy at 1:20,000 scale. Tie points were used to augment datum ties between strips 1, 2, and 3.

24. Supplemental Data

USGS quadrangles were used to provide elevations for vertical adjustment of bridges.

25. Photography

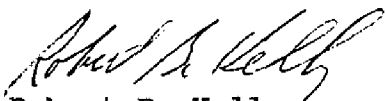
RC-9 photography was adequate as to coverage and overlap, but not definition. Strip 1 adjustment showed control station PORPOISE ROCK 1902 substitute station with +11.0 ft. error in the Y direction, and control station HORN 1972 with -9.2 ft. error in the X direction. The reason for these closures is poor imagery.

Respectively submitted:

Approved and Forwarded:


John D. Perrow, Jr.

Chief, Aerotriangulation Section


Robert B. Kelly
Cartographic Technician

LEGEND

- ▲, ● CONTROL USED IN ADJUSTMENT
 () CLOSURES OF BRIDGE TO CONTROL SHOWN
 IN PARENTHESIS
 △ CONTROL USED AS CHECKS

STRIP # 1

▲	x PRIME, 1902	(0.0, 0.0)
△	PORPOISE ROCK, 1902 SUB. STA.	(-2.8, 11.0)
△	HORN, 1972	(-9.2, 1.7)
▲	HOOK, 1972	(0.0, 0.0)
△	BEACH, 1899	(3.3, -0.7)
▲	JOSE, 1972	(0.0, 0.0)

STRIP # 2

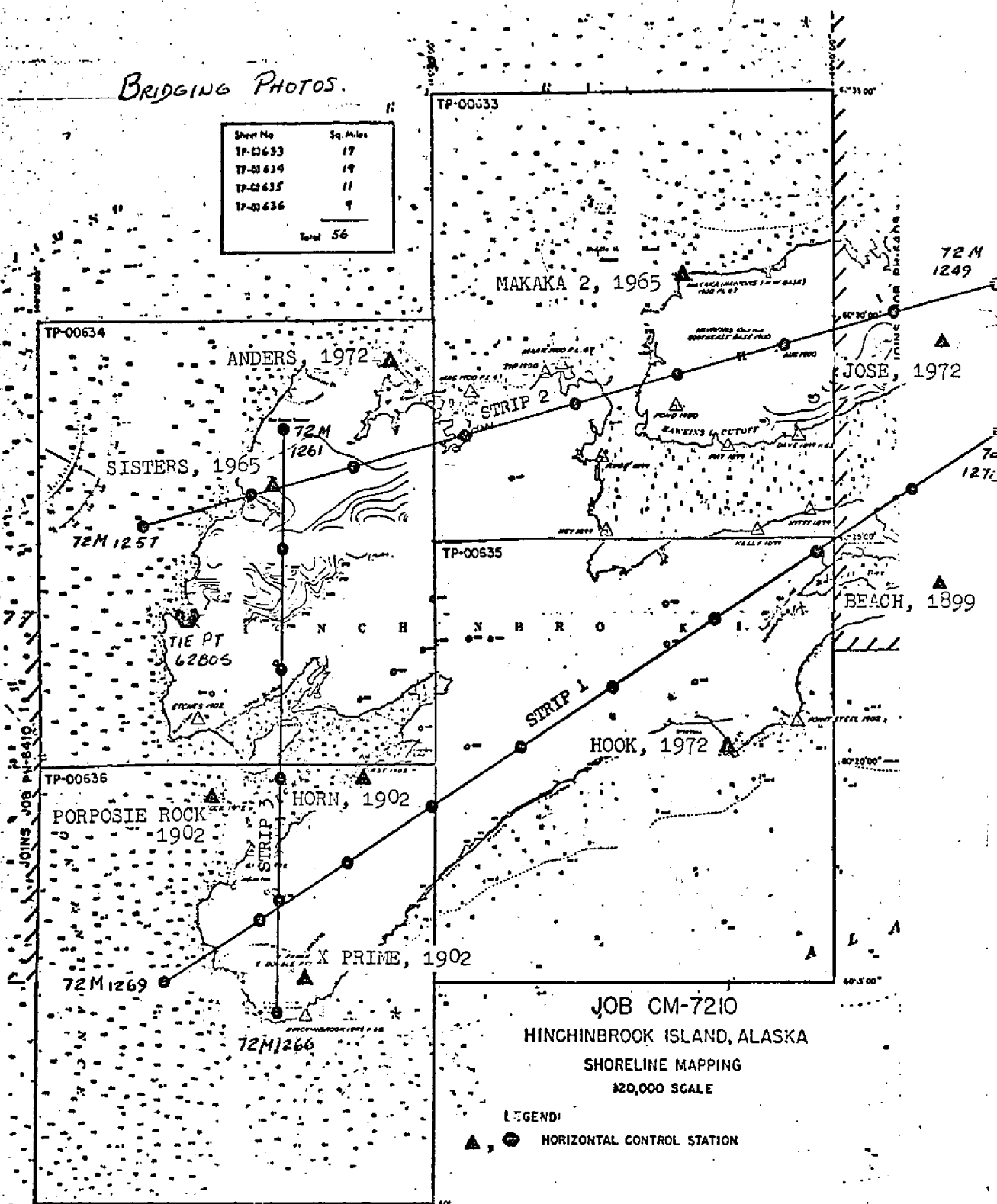
▲	JOSE, 1972	(0.5, 0.4)
▲	MAKAKA 2, 1965 SUB. STA.	(-1.5, 0.0)
▲	ANDERS, 1972	(1.2, 0.9)
△	SISTERS, 1965	(2.1, 3.9)
●	TIE POINT 62805	(-0.1, -0.5)

STRIP #3

▲	SISTERS, 1965	(0.0, 0.0)
△	PORPOISE ROCK, 1902	(-4.2, -3.5)
▲	HORN, 1972	(0.0, 0.0)
▲	X PRIME, 1902	(0.0, 0.0)

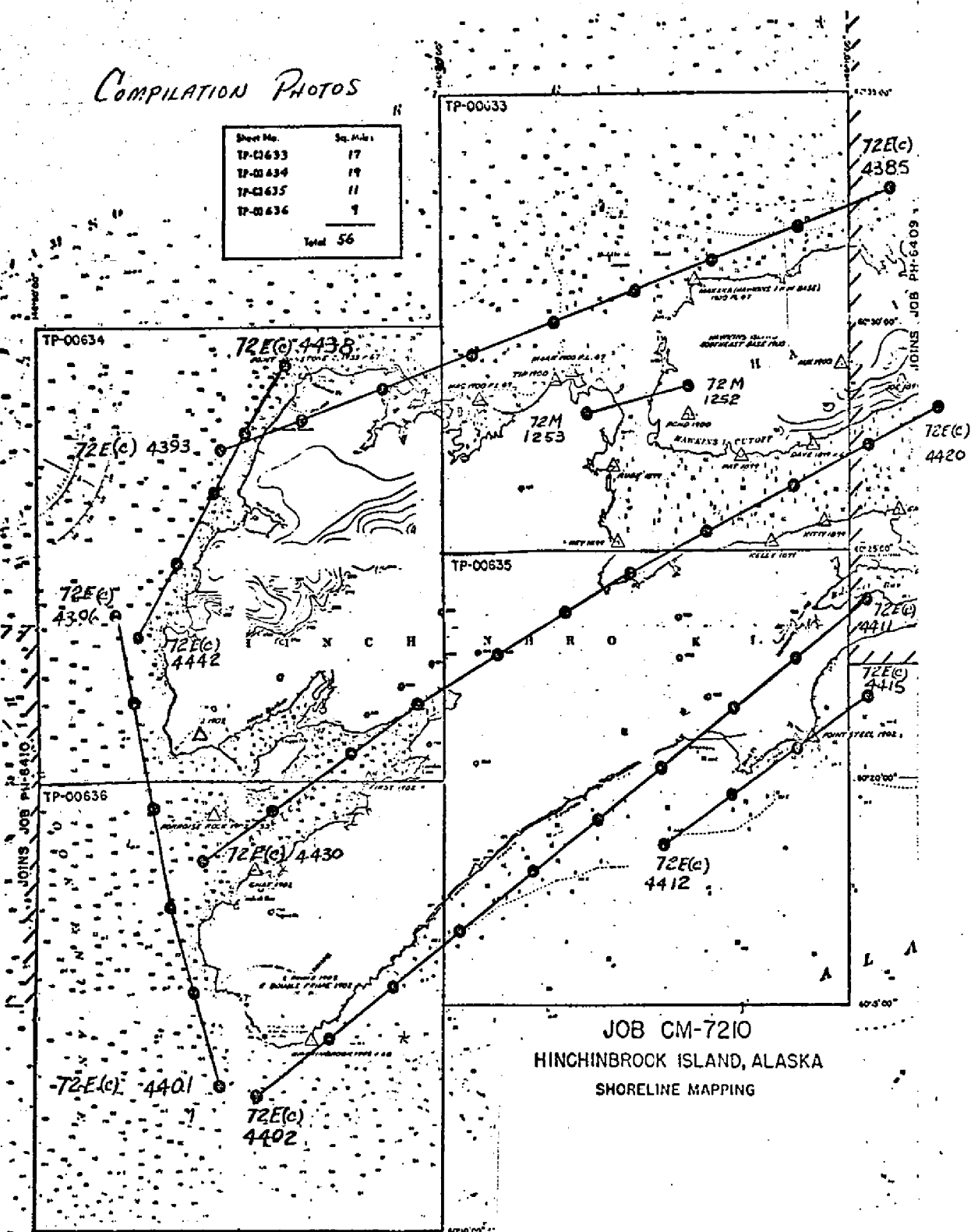
BRIDGING PHOTOS.

Sheet No	Sq. Miles
TP-00633	19
TP-00634	19
TP-00635	11
TP-00636	9
Total 56	



Compilation Photos

Sheet No.	Sq. Miles
TP-00633	17
TP-00634	19
TP-00635	11
TP-00636	9
Total 56	



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		ORIGINATING ACTIVITY	
			COORDINATES IN FEET	PHOTOGRAMMETRIC BRANCH		
			STATE	ZONE	PHOTOG. POSITION	REMARKS
					φ LATITUDE λ LONGITUDE	Front (Back)
TP-00636		CM-7210				
		SOURCE OF INFORMATION (Index)				
		AEROTRIANGULATION POINT NUMBER				
		DATE				
Horn, 1972	G.P. G-14841	unadjusted	X=		φ 60°19'36.086"	1116.9 (740.1)
			Y=		λ 146°33'46.230"	709.5 (211.3)
X Prime, 1902	G.P. G-14841	unadjusted	X=		φ 60°15'08.931"	276.5 (1580.5)
			Y=		λ 146°36'29.197"	1449.1 (473.8)
Porpoise Rock, 1902	G.P. G-14841	unadjusted	X=		φ 60°19'09.861"	305.2 (1551.8)
			Y=		λ 146°41'24.528"	376.5 (4544.35)
Gnat, 1902	G.P. Vol. VI	pg. 314	X=		φ 60°17'59.992"	1856.8 (0.2)
			Y=		λ 146°39'13.259"	203.7 (717.9)
Hinchinbrook, 1902	G.P. Vol. VI	pg. 314	X=		φ 60°14'14.874"	460.4 (1396.6)
			Y=		λ 146°36'28.313"	436.2 (487.2)
			X=		φ	
			Y=		λ	
			X=		φ	
			Y=		λ	
			X=		φ	
			Y=		λ	
			X=		φ	
			Y=		λ	
			X=		φ	
			Y=		λ	
COMPUTED BY	A. C. Rauck Jr.		COMPUTATION CHECKED BY		F. Margiotta	DATE 11/10/72
LISTED BY	G. Morris		LISTING CHECKED BY		J. Massey	DATE 01/78
HAND PLOTTING BY	G. Morris		HAND PLOTTING CHECKED BY		J. Massey	DATE 01/78

Compilation Report

TP-00636

31- DELINEATION

Delineation was by the Wild B-8 Stereoplotter, using 1:60,000 scale 1972 photography. Common points were selected and transferred to the 1:40,000 scale 1972 color photographs used for hydro support.

32- CONTROL

See Photogrammetric Plot Report, dated: October, 1972. Horizontal control was adequate.

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 and alongshore details were delineated from office interpretation of the photographs.

36- OFFSHORE DETAILS

Offshore details were compiled from office interpretation of the 1972 photographs.

37- LANDMARKS AND AIDS

Preliminary Forms 76-40 for Landmarks and/or Aids were prepared by the Compilation Office and forwarded to the Field Editor and/or Hydrographer for verification, location, or deletion on Feb. 7, 1973.

38- CONTROL FOR FUTURE SURVEYS

None

39- JUNCTIONS

See form 76-36b, item #5, of the descriptive report.

40- HORIZONTAL AND VERTICAL ACCURACY

No Statement

46- COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey quadrangles: Cordova (A-7) and A-8), Alaska, dated 1951, scale 1:63,360; Cordova (B-7), Alaska, dated 1950, scale 1:63,360; and Cordova (B-8), Alaska, dated 1951, scale 1:63,360.

47- COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey chart: #8520, 14th Edition, October 25, 1969, scale 1:80,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Approved by, *Jim Byrd* for
Albert C. Rauck Jr.
Chief, Coastal Mapping Section

Submitted by,
Jim Byrd for
Susan Kumer
Cartographer
December 27, 1972

ADDENDUM TO THE COMPILATION REPORT

HINCHINBROOK ALASKA, CM-7210, TP-00636

The following is a partial report covering only the 1977 Field Edit Application.

The Field Edit submitted for this sheet was substandard in quantity and presentation. Signals used in taking Fix Data were not properly identified, nor did the Field Editor take check fix data. Descriptions of signals used in positioning Field Edit Data, as supplied in the Field Edit Fix Volume were of very limited use.

Approved tide information was not supplied for JD-235; therefore, one rock at approximately Lat. $60^{\circ}19.7'N$ and Long. $146^{\circ}34.2'W$ is based on predicted tide information. All other height information is based on approved tide data.

There are three (3) fixes applicable to this manuscript. Fix 249-02 does not apply to this manuscript as is indicated on the Master Film Field Edit Ozalid.

Fix 251-01 was labeled as Position Approximate because it contained an angle between Signal Porpoise and a tangent to Signal, with an estimated distance from the shore.

Fix 251-02 and 251-03 were plotted with considerable difficulty in interpreting the Field Editors notes and descriptions. They are considered to be of poor quality.

The foul area between Point Barber and Porpoise Rock was deleted and carries the labels scattered Kelp Beds as a comparison with Hydrographic Data indicated the area was navigable.

An islet at approximately Lat. $60^{\circ}19.6'N$ and Long. $146^{\circ}34.3'W$ was referenced on two (2) different Julian Dates. Julian Date 250 was used over Julian Date 235 to allow the application of approved tide data. The descriptive note pinnacle rock was added at the request of the verifier, after it was determined the Hydrographer and the Field Editor both used the term in their data submitted.

Field Edit Report
Shelter Bay and Port Etches
OPR-452-FA-77

GENERAL

This report covers manuscripts T-00634 and T-00636. Field edit was performed by Fairweather personnel along shoreline inside Port Etches only.

The area inspected is characterized by rocky beach areas with occasional sandy beaches, especially in protected coves. Steep, wooded hillsides rise up from the beach in many places; low, rocky bluffs in others. Rock ledges extend out from shore to varying distances in many areas.

Only 6 fixes were taken along 24 miles of shoreline. Each was assigned a number with the format DDD-FF, where DDD represents the julian day of the fix and FF represents the sequential fix number for that day.

All fix information is recorded in the field edit data volume. Fix times are given in Greenwich mean time. All height information is noted on the master field edit ozalid. Information on all signals and stations used for control is included in the report. Deletions are noted in green ink, additions and changes in red ink, verifications in violet ink. All are noted on the master field edit ozalid.

METHOD

Field edit inside Port Etches was done by LTJG Robert Crowell during the month of September, 1977. Work was performed during fairly high low tides from a 17 foot skiff and on foot. Copies of the field edit ozalids were examined in the field. Verification of general features, including the mean high water line, was done by visual comparison of the field edit ozalid and the area concerned.

Control for fixes was by horizontal sextant angles from the skiff and theodolite directions from shore. Heights were estimated by comparison to objects of known size. The positions of some objects were estimated and have no fix information associated with them.

ADEQUACY OF COMPILATION

Compilation of the manuscripts is generally adequate. Several corrections to the mean high water line are noted on the master ozalids. Most areas labelled as bluffs are more accurately described as steep, wooded hillsides and are so noted on the master ozalids.

MAP ACCURACY

The plotted positions of horizontal control stations compared well with surrounding features. However, no actual measurements were made. No check fixes were taken. The positions of some objects which were partially or totally estimated are probably accurate within 10 meters as this was done only for objects near known points or previously located objects.

MISCELLANEOUS

Due to the lack of low tides during the time of field edit, some submerged rocks in the area may have been missed. One such rock was seen on the day of arrival but could not be found later.

Submitted by:



Robert B Crowell
LTJG, NOAA

Approved by:



Bruce I Williams
Commanding Officer
NOAA Ship Fairweather

SIGNAL LIST

Station	Position	Height
SIGNAL (est. 1977)	60°18'00.427" N 146°39'11.777" W	7 m
PORPOISE ROCK 1902	60°19'09.858" N 146°41'24.525" W	25 m

Map T-00636
Port Etches

METHOD

Field edit has been accomplished by Fairweather personnel inside Port Etches north of $60^{\circ} 16.8' N$.

ADEQUACY OF COMPILATION

The area between Point Barber and Porpoise Rocks, labelled foul by the compiler, is a rocky ledge with kelp beds. The kelp is not thick enough to preclude navigation.

An island at $60^{\circ} 10.2' N$, $146^{\circ} 38' W$, was not shown on the map, though it is visible on the photographs. It has been noted. An islet at $60^{\circ} 19.6' N$, $146^{\circ} 34.3' W$, has also been noted.

RECOMMENDATIONS

It is recommended that the map be revised as noted on the master ozalid. Field edit should be completed before the map is accepted as an advanced manuscript. Future field edit should include field edit for submerged rocks inside Port Etches.

23

Date

Vessel .

Date of Survey 7-8 Sep. 1977

Registry No. _____

Fieldsheet is ~~Complete~~/Incomplete

[illegible][illegible]

NOAA FORM 75-74
(2-74)U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP-00636

1. PROJECTION AND GRIDS LON Jr.	2. TITLE LON Jr.	3. MANUSCRIPT NUMBERS LON Jr.	4. MANUSCRIPT SIZE LON Jr.
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY LON Jr.	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) LON Jr.		7. PHOTO HYDRO STATIONS LON Jr.
8. BENCH MARKS LON Jr.	9. PLOTTING OF SEXTANT FIXES LON Jr.	10. PHOTOGRAMMETRIC PLOT REPORT LON Jr.	11. DETAIL POINTS LON Jr.
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE LON Jr.	13. LOW-WATER LINE LON Jr.	14. ROCKS, SHOALS, ETC. LON Jr.	15. BRIDGES LON Jr.
16. AIDS TO NAVIGATION LON Jr.	17. LANDMARKS LON Jr.	18. OTHER ALONGSHORE PHYSICAL FEATURES LON Jr.	19. OTHER ALONGSHORE CULTURAL FEATURES LON Jr.
PHYSICAL FEATURES			
20. WATER FEATURES LON Jr.	21. NATURAL GROUND COVER N.A.		22. PLANETABLE CONTOURS N.A.
23. STEREOSCOPIC INSTRUMENT CONTOURS N.A.	24. CONTOURS IN GENERAL N.A.	25. SPOT ELEVATIONS N.A.	26. OTHER PHYSICAL FEATURES LON Jr.
CULTURAL FEATURES			
27. ROADS LON Jr.	28. BUILDINGS LON Jr.	29. RAILROADS LON Jr.	30. OTHER CULTURAL FEATURES LON Jr.
BOUNDARIES			
31. BOUNDARY LINES N.A.		32. PUBLIC LAND LINES N.A.	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES LON Jr.	34. JUNCTIONS LON Jr.		35. LEGIBILITY OF THE MANUSCRIPT LON Jr.
36. DISCREPANCY OVERLAY LON Jr.	37. DESCRIPTIVE REPORT LON Jr.	38. FIELD INSPECTION PHOTOGRAPHS N.A.	39. FORMS LON Jr.
40. REVIEWER Lowell O. Neterer Jr. Jan. 1973		SUPERVISOR, REVIEW SECTION OR UNIT A. 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 G. Morris Partial Field Edit applied Jan 1978		SUPERVISOR	
43. REMARKS Data supplied for 1977 field season was applied. The manuscript is class III with approx 1/3 rd of the sheet is class I status.			

REVIEW REPORT TP-00636

SHORELINE

61. GENERAL STATEMENT:

A partial field edit was performed in September 1977 by NOAA Ship FAIRWEATHER personnel in conjunction with hydrographic survey H-9713. The edit applies only to the area north of Lat. 60° 17'; this primarily includes Port Etches.

See the included Summary for this Final Class III Map.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with the following U.S.G.S. quadrangles:
Cordova (A-7 and A-8), Alaska, 1951, 1:63,360 scale
Cordova (B-7), Alaska, 1950, 1:63,360 scale
Cordova (B-8), Alaska, 1951, 1:63,360 scale
No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made of the Port Etches area with verified smoothsheet H-9713, OPR-0452, dated March 1978 at 1:10000 scale. As previously mentioned, only this portion of the map was field edited. No significant differences were noted.

A comparison was also made with verified smoothsheet H-9387, OPR-999, DA-20-3-73, 1:20,000 scale. This corridor survey did not include any field edit but indicates a different position of approximately 30 meters for Cape Hinchinbrook Light. Refer to form 76-40 attached with this Descriptive Report for the Class III and NGS published position.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with NOS chart 16709, 18th Ed., June 28/80, 1:80,000 scale. Two detached rocks charted off Cape Hinchinbrook, Lat. 60° 13.9', Long. 146° 39.4' and Lat. 60° 15.0', Long. 146° 40.1', were visible on the 1972 photography and were subsequently positioned during final review.

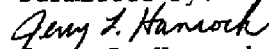
Two 76-40 forms, attached with this Descriptive Report, were incorrectly forwarded to Nautical Charts in Aug. 20/80. Neither the charted navigational aid, Cape Hinchinbrook Light 1965, nor the 2 proposed landmark radio towers were field investigated as field edit was not performed in the Cape Hinchinbrook area. The submitted positions were photo locations; however, the Light compared well with the NGS position which was added to the form during final review. The radio towers were compiled as map features.

TP-00636

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

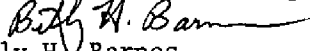
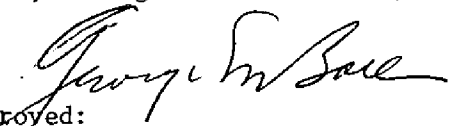

This map complies with the Project instructions, and meets the requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted by:


Jerry L. Hancock

Final Reviewer

Approved for forwarding:


Billy H. Barnes
Chief, Photogrammetric Branch, AMC
Approved:
George M. Ball
Chief, Photogrammetric Branch, Rockville
Walter S. Simmons
Chief, Photogrammetry Division

May 19, 1981

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7210 (HINCHINBROOK ISLAND, ALASKA)

TP-00636

Cape Hinchinbrook

English Bay

Gulf of Alaska

Hinchinbrook Entrance

Hinchinbrook Island

Point Barber

Porpoise Rocks

Port Etches

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer, C3x5

NONFLOATING AIDS ~~FOR CHARTS~~ FOR CHARTS

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

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE**ORIGINATING ACTIVITY**

- ☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☒ COMPILATION ACTIVITY
☐ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

[illegible]

INFORMATION ON DISSEMINATION OF PROJECT MATERIAL

CM-7210
Hinchinbrook Island, Alaska

National Archives/Federal Records Center

Brown Jacket:

Aerotriangulation Photographs
Plot Report
Tide Computations
Form(s) 275 (fix volumn Bk.)
Form(s) C&GS 152
Photo/Hydro Support Photos
Project Diagrams

Project Completion Report

Bureau Archives

Registered Maps
Descriptive Reports

Reproduction Division

Reduction Negative of each map

Office of Staff Geographer

Geographic Names Standard

Marine Chart Division

Chart Maintenance Prints