12200

12200

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE Environmental science services administration coast and geodetic survey

DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRI
Field No. Office No. T-12200
LOCALITY
State ALASKA
General locality KEKIL STRATT
Locality DAKANEEK BAY
19.61 1969
CHIEF OF PARTY
Alfred C. Holmes, Director, AMC
LIBRARY & ARCHIVES
DATE

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

•	-12200			
JECT NO. (II):				
Job PH-6206				
FIELD OFFICE (II):		CHIEF OF PARTY		
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center		officer-in-chargi Alfred C. Hol Director, AMC	mes, RADM, NOAA	
INSTRUCTIONS DATED (II) (III):				
January 18, 1965 OFF November 26, 1965 OFF January 26, 1967 OFF May 11, 1965 FIE June 14, 1965 FIE	ICE SUPPI ICE AMEND LD	EMENT I MENT III		
METHOD OF COMPILATION (III):				
Wild B-8				
MANUSCRIPT SCALE (III):	STEREOSCO	PIC PLOTTING INSTR	RUMENT SCALE (III):	
1:10,000	1:8,33	33 pantographed to 1:10,000		
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPO	DRTED TO NAUTICAL	CHART BRANCH (IV):	
APPLIED TO CHART NO.	DATE:	C	DATE REGISTERED (IV):	
GEOGRAPHIC DATUM (III): N.A. 1927		VERTICAL DATUM (III). MHW SOMEWAX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
REFERENCE STATION (III):				
LIND 1927				
1330 521 03.065mg 1330 521 03	(52.0m)	ADJUSTED UNADJUSTED		
PLANE COORDINATES (IV):		STATE	ZONE	
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OMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTE OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE T			·	

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY ((1): DATE: None MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): July 16, 1961 and July 29, 1965 Air Photo Compilation PROJECTION AND GRIDS RULED BY (IV): DATE A. E. Roundtree 11-09-65 PROJECTION AND GRIDS CHECKED BY (IV): DATE R. S. Kornspan 11-09-65 CONTROL PLOTTED BY (III): DATE C. H. Bishop 01-13-66 DATE CONTROL CHECKED BY (III): J. Steinberg 01-13-66 RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY DATE L. O. Neterer 11-20-66 Rev. By: K. G. Boyle 11-20-66 CONTOURS DATE Inapplicable MANUSCRIPT DELINEATED BY (III): L. O. Neterer 11-29-66 SCRIBING BY (III): DATE B. Barge 01-31-69 PHOTOGRAMMETRIC OFFICE REVIEW BY (III): COMPILATION: C.H. Bishop FIELD EDIT: C.H. Bishop SCRIBING & STICKUP: R. E. Smith 02-03-69 REMARKS: Field Edit by:

Ship DAVIDSON

June 1968



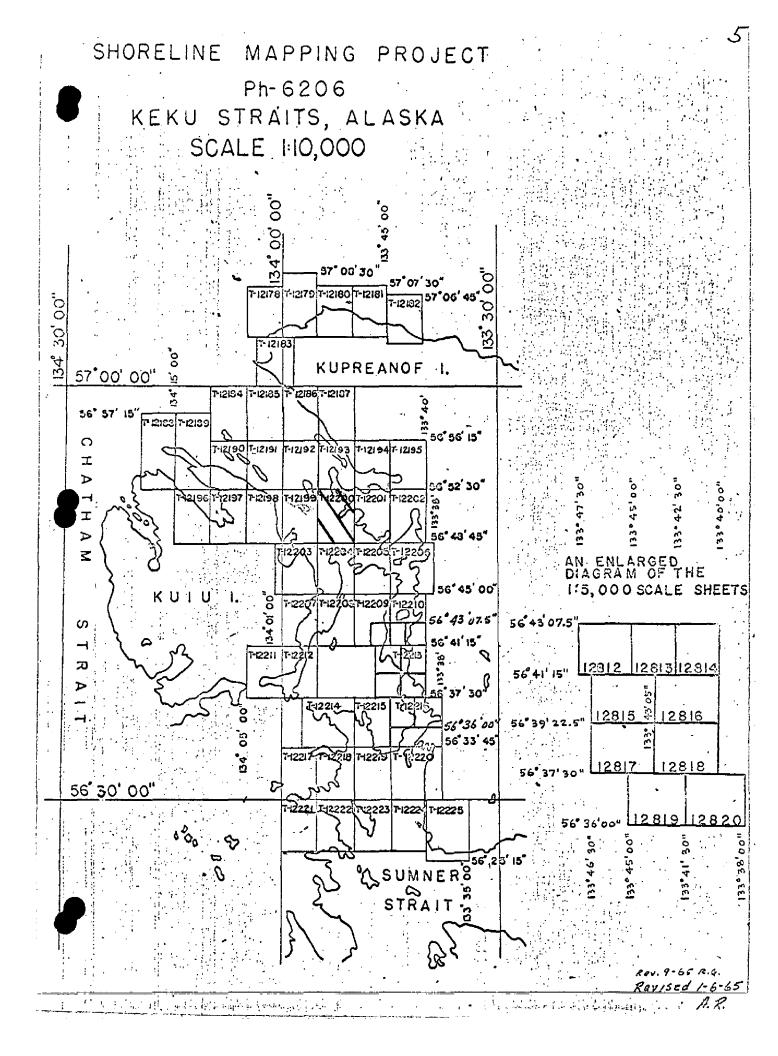
DESCRIPTIVE REPORT - DATA RECORD

T_12200

		T-12200					
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	PHO	TOGRAPHS (III)					
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61 W 9361-9364	16 July 1961	08:18	1:30,000	1.8 f	t. above	MLLW	
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SUBORDINATE STATION:							
	1 17			DATE:		l	
WASHINGTON OFFICE REVIEW	BY (IV): Leo F. B.	eugnet,	AMC	Dec	1971		
PROOF EDIT BY (IV):				DATE:			
- ROOF EBIT BY (147)							
RECOVERED:					IDENTIFIED:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):					0		
NUMBER OF BM(S) SEARCHED FOR (II):					IDENTIFIED		
			0		0		
NUMBER OF RECOVERABLE PI	HOTO STATIONS ESTABLISH	4ED (III):	•				
			1				
NUMBER OF TEMPORARY PHO	TO HYDRO STATIONS ESTAI	BLISHED (III):	0				
REMARKS:			<u>-</u>			- · -	

T-12200

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore area for hydro	Nov. 1966	Superseded
Field edit applied	Jan, 1969	Superseded
Final Review	Dec. 1971	Superseded
Additional review; Addendum to Review Report	Jan. 1973	



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT T-12200

Shoreline survey T-12200 is one of 53 similar surveys in project PH-6206. The primary purpose of the project was to provide modern shoreline and photo-hydro support data for hydrographic surveys in the Keku Strait area. See page 5 for the area covered by the project and the location of this survey within the project.

There was no field work prior to compilation with the exception of identification of horizontal control for aerotriangulation. The survey was field edited during the course of hydrography.

Compilation was at 1:10,000 scale by Wild B-8 methods using the photography of July 1961 and July 1965. Copies of the incomplete manuscript along with specially prepared photographs and ozalids were furnished for transfer of the shoreline to the boat sheet, photo-hydro support use and field edit.

The compilation manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude. After application of field edit data the survey was scribed and reproduced on cronaflex. Final review was in the Atlantic Marine Center in December 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT T-12200 PROJECT PH-6206

There was no field inspection before compilation.

Photogrammetric Plot Report Project PH-6206 Keku Straits, Alaska November 1965

21. Area Covered

This report covers an area of Alaska in the upper portion of Keku Straits and its confluence with Frederick Sound.

22. Method

Analytic aerotriangulation methods were used to bridge four strips of "N" photography at the scale of 1:50,000. The attached sketch of strips bridged shows the amount and placement of triangulation furnished. Closures to control and to tie points have been tabulated.

23. Adequacy of Control

Horizontal control (pre-marked targets) identified and required to adjust the strips bridged was slightly above our minimum requirements. Two of the four strips were adjusted using only three stations and common tie points as a check to our bridging accuracy. The final results are well within the National Standards of Map Accuracy for the fourteen shoreline sheets to be compiled (T-12178, T-12179, T-12183 through T-12192, T-12196 and T-12197).

Control stations that were not used in our final adjustment follow: (1) CORN, 1925, this station is on the tip of a peninsula and so situated that it was impossible to set a model in which this station could have been of any value to our work; (2) KEKU, 1927, this target was not visible on either the film or the plates. It is our belief, based upon the published description, that the target might have washed away; (3) HAM, 1927, this station was used on Strip #2, however on Strip #3 the target was not visible because the lay-overial trees near the station obscured the target on one photograph.

24. Supplemental Data

Numerous U.S.G.S. quads were used to obtain elevations required for the final adjustment.

25. Photography

Photography was adequate with regard to coverage, overlap and image defination.

Respectfully submitted:

George My Ball

Approved and forwarded:

Menry P./Eichert

Acting Chief, Aerotriangulation Section

CLOSURE TO CONTROL AND TIE POINTS (feet)

٠.	STRIE	<u> #1</u>				STRIP #3 co	ont.	
	KELP,	I, 191 (0.0 , 1965 (-0.1 , 1965 (-0.1	-0.1) -0.1)			HAM, 1927 (-2.8 AGE, 1927 (+3.4 AMY, 1927 S.S. (-0.6	+3.1)	
	STRIE	#2				STRIP #4		
		L, 191 (+1.3 , 1927	0.0)		·	GNAW, 1965 (-0.1 LOW, 1927		-
	KAKE,	(-2.0 1927	-0.6) +0.1)			LUCK, 1927 (-0.1 (-0.1	•	
•	AGE,	1927	+0.6)	` •		TIES TO ST		
46		1927 (-0.5	-0.4)		•		(+0.1 (+0.3	+0 +0
	TIES	TO ST		•	46	75401	(+9.3 (+3.1	-0 +3
		08402	(-0.2 (-0.9 (-0.9	+10.1)			(+6.7	+5
	TIES	TO STE	IP #3		•			
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27401 (+6.7 + 6.2) 28401 (+9.0 + 9.1) 29401 (+3.4 - 2.4) 29401 (+5.5 - 0.7) 29402 (+9.5 + 6.0) 29403 (+8.2 + 3.7) 33401 (+3.2 + 0.4) 33402 (+5.0 + 5.4)

STRIP #3

KAKE, 1927 (+1.8 -2.1) ALTO, 1927 (-2.0 +0.5) Triver 85 96 57

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65 My 246

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The KELR, 1985

The SENDEL, 1987

S. KAKE, 1987

G. HAM, 1987

The Rev. 1987

J. Level, 1987

J. Level, 1987

J. Level, 1987

10. Level, 1987

11. KETO, 1987

10. 10.00 1927 10. 10.00 1927 13. 10.00 1922 14. 10.00 1727 U.S, DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODE



DESCRIPTIVE REPORT CONTROL RECORD

12 DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) (BACK) N.A. 1927 - DATUM 433.2 (4 566.8) 1 000 849.6 (4.150.4) 52.0 (965.1) 1365.1 (490.8) 02-01-66 FORWARD SCALE FACTOR DATE LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE 52 03.065 SCALE OF MAP 1:10,000 50 44.132 1 830 849.57 2 645 433.18 CHECKED BY 32 133 DATUM N.A. 1927 = p. 356 1-21-66 SOURCE OF INFORMATION (INDEX) 56133 p. 18 -6206 Vol. II DATE PROJECT NO. STATION LIND 1927 12200 = CHE MAP T-= COMPUTED BY

COMPILATION REPORT T-12200

31. DELINEATION:

Planimetry was compiled by Wild B-8 photography was satisfactory.

32. CONTROL:

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

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

35. SHORELINE AND ALONGSHORE FEATURES:

Shoreline and alongshore features were compiled from office interpretation of the photographs. The mean lower low waterline was compiled from office interpretation of the photographs.

36. OFFSHORE DETAIL:

Offshore details were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS:

Appropriate copies of Form 567 for Aids have been forwarded to the Washington Office. There are no landmarks.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS:

Satisfactory junctions have been made with T-12193 to the north, T-12201 to the east, T-1220h to the south and T-12199 to the west.

40. HORIZONTAL AND VERTICAL:

No statement

46. COMPARISON WITH EXISTING MAPS:

Comparison has been made with U.S.G.S. quadrangle PETERSBURG (D-6), ALASKA, scale 1:63,360, dated 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Nautical Chart 8201, scale 1:217,828, 11th edition dated March 4, 1963, revised 07-20-64.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

Submitted by:

Lowell O. Neterer, Jr. Cartographic Technician

Approved for forwarding:

Melvin J, Umbach, CDR, NOAA

Chief, Photogrammetry Division, AMC

Approved:

Alired C. Holmes, RADM, NOAA

Director, Atlantic Marine Center

December 8, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206 (Alaska)

T-12200

Dakaneek Bay

Keku Strait

Kupreanof Island

Pup Island

Salt Point

Approved by:

A. Joseph Wraight Chief Geographer

Prepared by

Frank W. Pickett Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER:

- 1- There was no field inspection prior to compilation; therefore, occasional measurements should be made from identifiable points on the photographs to the MHWL to verify compilation.
- 2- If there are landmarks or fixed aids to navigation within the area of this map, investigate and submit Form 567.
- 3- Give character of foreshore areas (sand, mud, etc.).
- 4- Foul, shoal, and reef areas and rocks shown on this manuscript were determined by office interpretation of aerial photographs of the area. Their existence and extent should be verified by the hydrographer. If a foul, shoal, or reef area or rock does not exist, this fact should be noted on the Field Edit Ozalid.
- 5- See Field Edit Ozalid for other notes.

FORM C&GS-1002				U.	S. DEPARTMEN	T OF COMMERCE
(2-50)	PHO	TOGRAMMET	RIC OFFICE R	EVIEW	COAST AND GE	EODETIC SURVEY
	1110		12200			
1. PROJECTION AND GRIDS	12 TITLE		3. MANUSCRIPT	NUMBERS	4. MANUSCRIE	37 ALT
1. PROJECTION AND GRIDS	12 1116		13. MANUSCRIP	HUMBERS	4. MANUSCRI	-: SIZE
СНВ	СНЕ	3	СНВ		СНВ	
CONTROL STATIONS						
5. HORIZONTAL CONTROL STA	ATIONS OF	6. RECOVER AE OF LESS TH (Topographic	LE HORIZONTAL AN THIRD-ORDER	STATIONS ACCURACY	7. PHOTO HY	DRO STATIONS
СНВ		` ` ` `	CHB		XX	
8. BENCH MARKS	9. PLOTTING OF	F SEXTANT	10. PHOTOGRAM	MMETRIC RT	11. DETAIL P	OINTS
XX	XX		Bridge	(W.O.)	Wild	B-8
ALONGSHORE AREAS (Nautical	Chart Data)					
12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHO	ALS, ETC.	15. BRIDGES	
СНВ	CHE	3	CHB		XX	
TE. AIDS TO NAVIGATION	17. LANDMARK	s	18. OTHER ALO PHYSICAL F	NGSHORE EATURES	19. OTHER A	LONGSHORE
СНВ	XX		СНВ		XX	
PHYSICAL FEATURES						
20. WATER FEATURES		21. NATURAL	SROUND COVER		22. PLANETA	BLE CONTOURS
СНВ			XX		XX	
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEV	ATIONS	26, OTHER P	HYSICAL S
XX	XX		XX		XX	
CULTURAL FEATURES						
ZZ. RO ADS XX	28. BUILDINGS	_	29. RAILROADS		30. OTHER CI	ULTURAL S
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31. BOUNDARIES			32. PUBLIC LA	ND LINES		
ХX			XXX			
MISCELLANEOUS						
33. GEOGRAPHIC NAMES		34. JUNCTIONS	· · · · · · · · · · · · · · · · · · ·		35. LEGIBILI	TY OF THE
СНВ			CHB		MANUSCR CHB	IP T
36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSP	ECTION PHS	39. FORMS	
СНВ	СНІ	3	XX	-	CHB	
40. REVIEWER Charles H.K.	3:10		SUPERVISOR, R			41
C.H. Bishop		-27-67	Albert	C. Rauck	, Jr.	cR.Y.
41. REMARKS (See attached shee			· · · · · · · · · · · · · · · · · · ·			
FIELD COMPLETION ADDITION 42. Additions and corrections	furnished by th	e field completi		een applied to	the manuscrin	t. The manu-
script is now complete exc	ept as noted uno	ler item 43.	SUBERVISOR		· · · · · · · · · · · · · · · · · · ·	
Reviewed: C.H. Bis		-14 - 69 -17 - 69			C. Rou	ick. Jr.
43. REMARKS	nob or-	-11-07	Alber	t C. Rauc	k, Jr.	
Field Edit from:	6 5_м _277	& 276 61-	.W9381, and	Field Edi	t Ozalid	
LICIA DOLO ILOM:	O)-11-2 [[~ ~ IO, OI-	/Joq and			
<u> </u>						

T-12200

FIELD EDIT REPORT

There were no field edit reports submitted with the field edit covering the 1966 to 1968 season's work, and no Form 567 was submitted to the compilation office by the field party.

REVIEW REPORT T-12200

SHORELINE

December 15, 1971

61. GENERAL STATEMENT

See Summary, which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with a copy of registered survey No. 4332, 1:20,000 scale, made in August and September 1927. That survey is now obsolete. It is superseded by T-12200.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with USGS PETERSBURG (D-6), ALASKA, 1:63,360 scale quadrangle, edition of 1951 with minor revisions made in 1963. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with a copy of boat sheet H-9041 (DA 10-5-68). The shoreline of the two surveys is in good agreement.

Attraction is called to three rocks on the boat sheet at the following positions; latitude 56°49'07" longitude 133°52'50"; latitude 56°50'40"; longitude 133°51'31" and latitude 56°52'25" longitude 133°53'06". These rocks were placed on the boat sheet from the incomplete manuscript. They were found by neither the field editor or hydrographer.

Differences between the surveys have been indicated on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS

A visual comparison was made with chart 8201, 16th edition, November 7, 1970. The two surveys are in good general agreement.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey was compiled from 1:50,000 scale photography. It is considered adequate for photo-hydro support and nautical chart construction purposes.

Reviewed by:

Leo F. Beugnet Cartographer

Approved:

Melvin J. dimbach, CDR, NOAA

Chief, Photogrammetry Division, AMC

Approved:

I red C. Holmes, RADM, NOAA

Director, Atlantic Marine Center

Approved:

Chief, Photogrammetric Branch Chief, Coastal Mapping Division

U.S. DEPARTMENT OF COMMERCE SURVEY

NONFLOATING AIDS OR LANDMERKS FOR CHARTS

STRIKE OUT TWO JOSEPH CONTROL **DOCREDSOMYRED**

TO BE CHARTED

C&GS FORM

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charted on (delated strate) the charts indicated.

Atlantic Marine Center, Norfolk, Va.

I recommend that the following objects which have (taxexense) been inspected from seaward to determine their value as landmarks be Charles HBishop The positions given have been checked after listing by

Chief of Party. Allen L. Powel Director, AMC

Charles H. Bishop

CHARTS 8201 MAND JRONSTS X HARBOR CHART 99/90 LOCATION T-12200 METHOD OF OF AND AND BURVEY No. Photo 1927 DATOM D. P. MEYERS 54.21 919 **LONGITUDE** 젃 POSITION 133 0 D.M. METERS 13.61 LATITUDE: 얐 . 셨 • BIGNAL DESCRIPTION Salt Point Light KEKU STRAIT ALASKA CHARTING STATE

USCOMM-DC 16254-P61 This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted The data should be landmarks and nonfloeting aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

ADDENDUM TO REVIEW REPORTS

T-12178, T-12179, AND T-12183 THROUGH T-12202

After Maps T-12178, T-12179, and T-12183 through T-12202 had ben final reviewed and the reports written and signed, and the hydrographic surveys had been verified and reviewed, the Marine Chart Division requested additional review of the photogrammetric manuscripts to aid in resolving discrepancies between the hydrographic and photogrammetric surveys. Discrepancy prints of each T-sheet and verified copies of the hydrographic surveys were furnished to aid in this review. H-9041 Boat Sheet was used for T-12198 through T-12202, as a verified copy of this survey was not available to the reviewer.

Copies of the hydrographic surveys were used as aids to verify what could be seen on the photographs of the area: If a feature on the hydrographic survey was not positively identifiable on the photographs, it was not added to the T-sheet. This review resulted in the revision of several ledges, some mean high water line, and the addition of several rocks awash. The hydrographer's elevations were not added to the photogrammetric manuscripts.

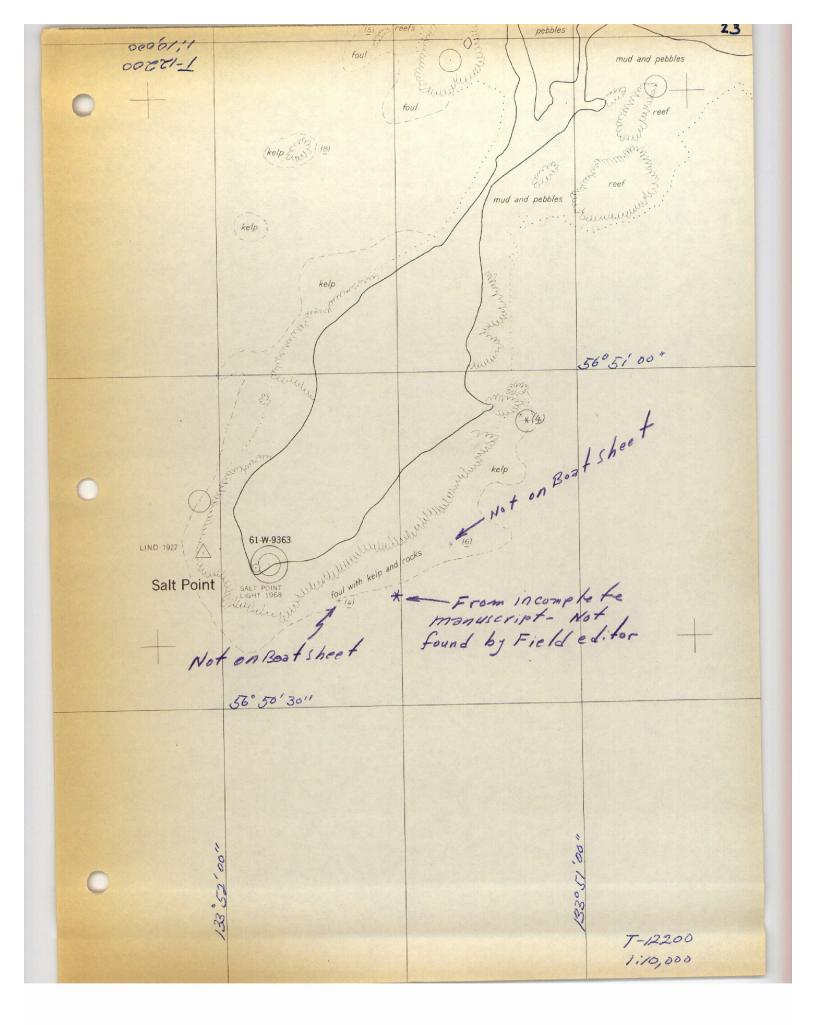
Questions on the discrepancy prints were answered on separate czalids and returned to the Marine Chart Division, along with a Chart Maintenance Print reflecting differences between the Advance Manuscript and the Final Reviewed Manuscript for each map.

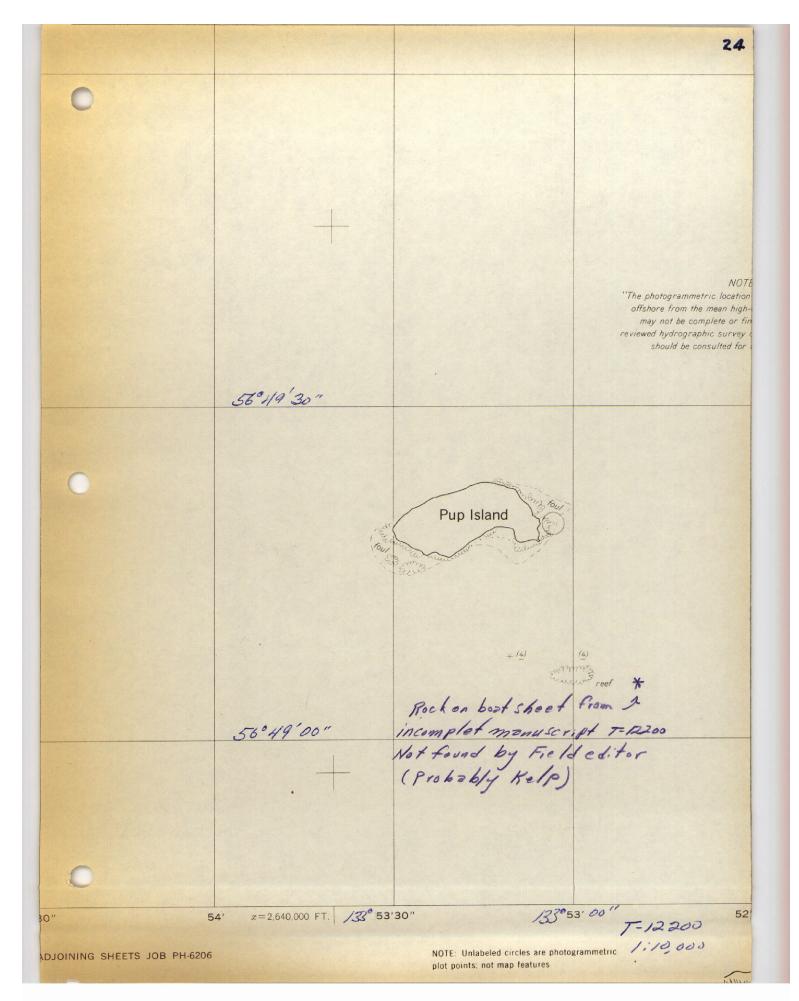
Comparison prints bound with this report reflect differences with the verified hydrographic surveys, except T-12198 through T-12202, rather than the boat sheets. The sources for shoreline on the verified hydrographic surveys were copies of Advance Manuscripts; therefore, shoreline agreement is generally good.

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Charles H. Bishop

Cartographer January 1973





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