

12186

12186

<p>FORM C&amp;GS-504</p> <p>U.S. DEPARTMENT OF COMMERCE          ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION          COAST AND GEODETIC SURVEY</p> <p><b>DESCRIPTIVE REPORT</b></p>	
<p>Type of Survey <u>SHORELINE (PHOTOGRAMMETRIC)</u></p>	
<p>Field No. ....</p>	<p>Office No. <u>T-12186</u></p>
<p>LOCALITY</p>	
<p>State <u>Alaska</u></p>	
<p>General locality <u>Keku Strait</u></p>	
<p>Locality <u>Kake</u></p>	
<p><u>1962-1969</u></p>	
<p>CHIEF OF PARTY</p>	
<p><u>Alfred C. Holmes, Director, AMC</u></p>	
<p>LIBRARY &amp; ARCHIVES</p>	
<p>DATE .....</p>	

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

DESCRIPTIVE REPORT - DATA RECORD

T - 12186

PROJECT NO. (II): <p style="text-align: center;">PH-6206</p>														
FIELD OFFICE (III):	CHIEF OF PARTY													
PHOTOGRAMMETRIC OFFICE (III): Atlantic Marine Center Norfolk, Virginia	OFFICER-IN-CHARGE Alfred C. Holmes, RADM, NOAA Director, AMC													
INSTRUCTIONS DATED (II) (III):  <table style="width:100%; border: none;"> <tr> <td style="width: 40%;">January 18, 1965</td> <td>OFFICE</td> </tr> <tr> <td>November 26, 1965</td> <td>OFFICE SUPPLEMENT I</td> </tr> <tr> <td>March 18, 1966</td> <td>OFFICE AMENDMENT I</td> </tr> <tr> <td>May 11, 1965</td> <td>FIELD</td> </tr> <tr> <td>June 14, 1965</td> <td>FIELD</td> </tr> <tr> <td>August 1, 1966</td> <td>OFFICE AMENDMENT II</td> </tr> </table>			January 18, 1965	OFFICE	November 26, 1965	OFFICE SUPPLEMENT I	March 18, 1966	OFFICE AMENDMENT I	May 11, 1965	FIELD	June 14, 1965	FIELD	August 1, 1966	OFFICE AMENDMENT II
January 18, 1965	OFFICE													
November 26, 1965	OFFICE SUPPLEMENT I													
March 18, 1966	OFFICE AMENDMENT I													
May 11, 1965	FIELD													
June 14, 1965	FIELD													
August 1, 1966	OFFICE AMENDMENT II													
METHOD OF COMPILATION (III): <p style="text-align: center;">Wild B-8</p>														
MANUSCRIPT SCALE (III): <p style="text-align: center;">1:10,000</p>	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): <p style="text-align: center;">1:8,333</p>													
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):													
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV): <p style="text-align: center;">Sept. 4 1975</p>												
GEOGRAPHIC DATUM (III): <p style="text-align: center;">N.A., 1927</p>	VERTICAL DATUM (III): <b>MHW</b> <del>MEAN LOWER LOW WATER</del> EXCEPT AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., <del>MEAN LOWER LOW WATER</del>													
REFERENCE STATION (III): <p style="text-align: center;">KAKE, 1927</p>														
LAT.: 56° 58' 26.945" (833.5m)	LONG.: 133° 56' 57.815" (976.8m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED												
PLANE COORDINATES (IV): <p style="text-align: center;">1 877 872.15 ft.      x =    2 629 236.42 ft.</p>	STATE <p style="text-align: center;">Alaska</p>	ZONE <p style="text-align: center;">1</p>												
<p>ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.</p> <p>WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.</p>														

DESCRIPTIVE REPORT - DATA RECORD

T-12186

FIELD INSPECTION BY (III): <b>None</b>		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): <b>July 1965 (Date of photography)</b> <b>Wild B-8 Air photo Compilation</b>		
PROJECTION AND GRIDS RULED BY (IV): <b>A. E. Roundtree</b>		DATE <b>11-04-65</b>
PROJECTION AND GRIDS CHECKED BY (IV): <b>R. S. Kornspan</b>		DATE <b>11-04-65</b>
CONTROL PLOTTED BY (III): <b>R. Smith</b>		DATE <b>01-11-66</b>
CONTROL CHECKED BY (III): <b>C. H. Bishop</b>		DATE <b>01-11-66</b>
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): <b>G. M. Ball</b>		DATE <b>Nov. 1965</b>
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY <b>L.O. Neterer</b> REV. BY: <b>A.L. Shands</b>	DATE <b>March 1966</b> <b>March 1966</b>
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): <b>L. O. Neterer</b>		DATE <b>March 1966</b>
SCRIBING BY (III): <b>F. P. Margiotta</b>		DATE <b>01-22-69</b>
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <b>COMPILATION: C.H. Bishop; L.L. Graves</b> <b>FIELD EDIT: C.H. Bishop</b> <b>STICK-UP &amp; SCRIBING: R. E. Smith</b>		DATE <b>April 1966</b> <b>Jan. 1969</b> <b>Jan. 30, 1969</b>
REMARKS: <b>Field edit by:</b> <b>Ship PATTON</b>		DATE <b>June 1968</b>

FORM C&GS-181c  
(3-66)

U.S. DEPARTMENT OF COMMERCE  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
COAST AND GEODETIC SURVEY

**DESCRIPTIVE REPORT - DATA RECORD**  
T-12186

CAMERA (KIND OR SOURCE) (III):

Wild RC-8 "W" and Wild RC-9 "M"

**PHOTOGRAPHS (III)**

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65M 227 and 228	19 July 1965	08:45	1:50,000	4.4 ft. below MLLW
62W 5564 thru <sup>5</sup> 6568	16 June 1962	09:57	1:20,000	5.8 ft. above MLLW

**TIDE (III) PREDICTED**

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Ketchikan		13.0	15.4
COORDINATE STATION: Kake, Keku Strait		11.7	14.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): *Leo F. Beugnet, AMC* DATE: *October, 1971*

PROOF EDIT BY (IV): DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 6 RECOVERED: 5 IDENTIFIED: 1

NUMBER OF BM(S) SEARCHED FOR (III): 0 RECOVERED: IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 2

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

T-12186

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore area for hydrography	March 1966	Superseded
Field Edit Applied	Jan. 1969	<i>Superseded</i>
Final Review	Oct. 1971 <i>Oct. 1972</i>	<i>Superseded</i>
<i>Discrepancies with reviewed hydro surveys resolved; Addendum to Review Report Added.</i>	<i>Oct. 1972</i>	

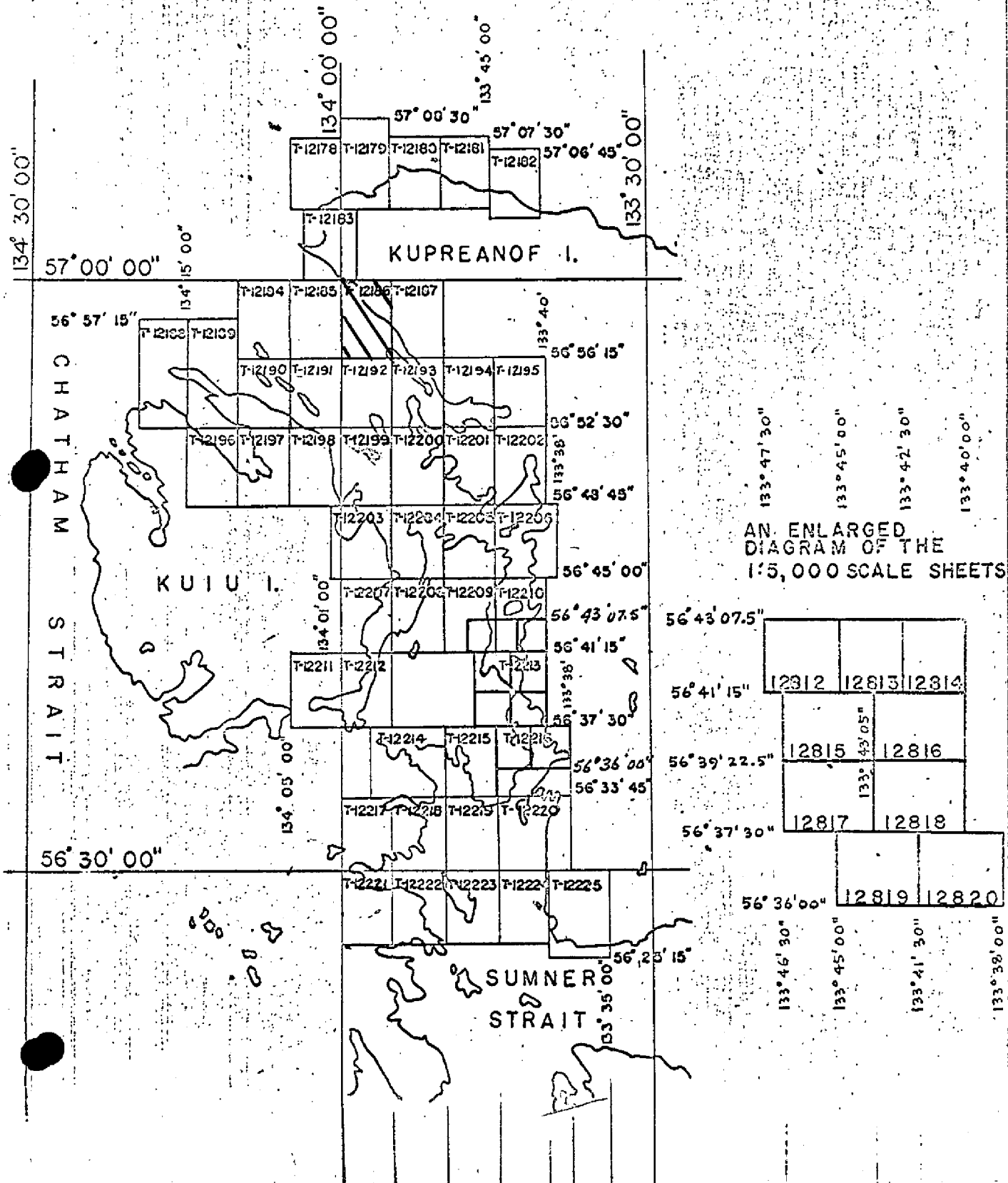
# SHORELINE MAPPING PROJECT

Ph-6206

KEKU STRAITS, ALASKA

SCALE 1:10,000

5



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12186

Shoreline survey T-12186 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 B28 Plotter methods using the photography of June 1962 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 October 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.



FIELD INSPECTION REPORT  
T-12186  
PROJECT PH-6206

There was no field inspection prior to the compilation of this map.

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 "M" 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) KIKU, 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-over of 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 definition.

Respectfully submitted:

*George M. Ball*  
George M. Ball

Approved and forwarded:

*Henry P. Eichert*  
Henry P. Eichert  
Acting Chief, Aerotriangulation Section

CLOSURE TO CONTROL AND TIE POINTS  
(feet)

STRIP #1

BENDEL, 1917	( 0.0	-0.1)
KELP, 1965	(-0.1	-0.1)
PINT, 1965	(-0.1	-0.1)

STRIP #2

BENDEL, 1917	(+1.3	0.0)
CART, 1927	(-2.0	-0.6)
KAKE, 1927	(-1.4	+0.1)
AGE, 1927	(+1.3	+0.6)
AMY, 1927		
S.S. (-0.5	-0.4)	

TIES TO STRIP #1

08401	(-0.2	+ 2.6)
08402	(-0.9	+10.1)
08402	(-0.9	+ 9.6)

TIES TO STRIP #3

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)

STRIP #3 cont.

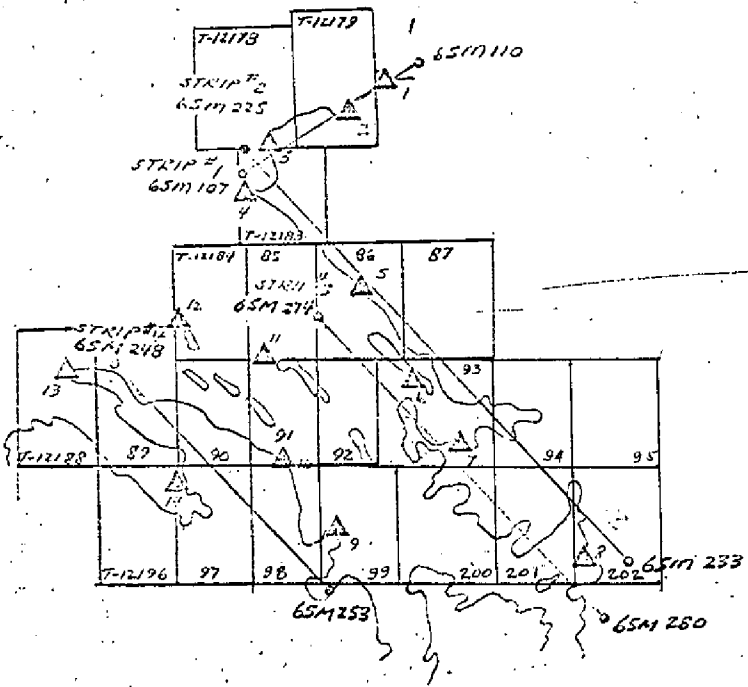
HAM, 1927	(-2.8	-0.9)
AGE, 1927	(+3.4	+3.1)
AMY, 1927		
S.S. (-0.6	-0.9)	

STRIP #4

GNAW, 1965	(-0.1	0.0)
LOW, 1927	(-0.1	0.0)
LUCK, 1927	(-0.1	0.0)

TIES TO STRIP #3

74401	(+0.1	+0.2)
74401	(+0.3	+0.6)
75401	(+9.3	-6.2)
76401	(+3.1	+3.2)
76402	(+6.7	+5.4)



KEKU STRAITS, ALASKA  
 PH - 6206  
 SHORELINE MAPPING  
 SCALE 1:10,000  
 SINGLE LENS PHOTO.  
 SCALE 1:50,000

KEY TO TRIANGULATION

1. PINT, 1965
2. KEMP, 1965
3. BENDEL, 1917
4. CART, 1927
5. KAKE, 1927
6. HAM, 1927
7. AGE, 1927
8. RAY, 1927
9. LUCK, 1927
10. LOW, 1927
11. ALTO, 1927
12. KEKU, 1927
13. CORN, 1925
14. GUNN, 1965

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED  
~~TO BE CHARTED~~  
~~XXXXXXXXXX~~ } STRIKE OUT TWO

Atlantic Marine Center, Norfolk, Va. Jan. 8 19 69

I recommend that the following objects which have ~~struck~~ been inspected from seaward to determine their value as landmarks be charted on ~~(charts)~~ the charts indicated.

The positions given have been checked after listing by Charles H. Bishop

Allen L. Powell  
Director, AMC  
Chief of Party

STATE	ALASKA	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD LOCATION AND SURVEY NO.	DATE OF REVISION Verifi.	CHARTS AFFECTED		
					LATITUDE*		LONGITUDE*					DATUM	
					D. M. METERS	"	D. P. METERS	"					
		(Kake Harbor Light 1960)			56 57	1231.5	133 57	03.83	N.A.	T-1878	* 1964	X	8201
		Portage Bay Light 2, 1968			56 57	25.96	133 55	20.47	"	Photo T-12186	** 6/ /68	X	8201
		Kake Harbor Daybeacon 1968			56 58	24.41	133 56	14.63	"	Photo T-12186	** 6/ /68	X	8201
		* Month and day not known.											
		** Day of month not known.											

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 landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be 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

*Handwritten signature*

MAP T. 12186 PROJECT NO. PH-6206 SCALE OF MAP 1:10000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR U-COORDINATE LONGITUDE OR X-COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS		
					FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)	
CHAN 1927	Vol. I P. 355	NA 1927	56	58	30.749	95.2	(904.8)					
			133	59	37.554	634.4	(379.2)					
			1	878	297.69	3	297.7	(1702.3)				
"	and 56/133 P. 6	"	2	620	385.73	385.7	(4614.3)					
KAKE 1927	Vol. II P. 364	"	56	58	26.945	833.5	(1022.5)					
			133	56	57.815	976.8	(36.9)					
			1	877	872.15	2	872.2	(2127.8)				
"	and 56/133 P. 16	"	2	629	236.42	4	236.4	(763.6)				
BETH 1927	Vol. I P. 355	"	56	56	41.546	1285.2	(570.9)					
			133	55	37.139	627.9	(386.5)					
			1	867	158.76	2	158.8	(2841.2)				
"	and 56/133 P. 3	"	2	633	666.65	3	666.6	(1333.4)				
GUNNOCK, 1960	Vol. 3 P. 1009	"	56	58	14.672	455.9	(1402.1)					
			133	56	11.641	196.7	(817.0)					
RED TANK 1927	Vol. 1 P. 365	"	56	57	49.007	1515.9	(340.1)					
			133	55	26.553	408.7	(565.2)					
			1	874	002.31	4	002.3	(997.7)				
"	and 56/133 P. 287	"	2	634	279.56	4	279.6	(720.4)				
KAKE HARBOR LIGHT 1960	Vol. 3 P. 1009	"	56	57	39.81	1231.5	(424.5)					
			133	57	03.83	647	(949.3)					

LOST

Comp by: H.A.S. 1-3-69  
CIBS 1-8-69

Comp by: ALS. 1-2-69  
V by: PLS. 1-5-69

1 FT. - 3048006 METER COMPUTED BY: CHB DATE: 1-12-66 CHECKED BY: DTD DATE: 3/3/66 COMM. DC-570A3

COMPILATION REPORT  
MAP MANUSCRIPT T-12186  
PROJECT PH-6206

31. DELINEATION:

The Wild B-8 plotter was used with the 65-M photography for delineation and to drop points common to the 62-W photography. The quality of the 65-M ratio photographs was poor, in that they were enlarged five times. The 62-W ratios were much clearer and were used graphically for clarification of the shoreline.

32. CONTROL:

See PHOTOGRAMMETRIC PLOT REPORT dated November 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 mean high water line, cultural features and other alongshore details were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

Offshore islands, rocks, reefs, and foul areas were delineated from office interpretation of the photographs.



37. LANDMARKS AND AIDS:

Three fixed aids to navigation were compiled. Appropriate copies of Form 567 have been forwarded to the Washington Office.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

Junctions are in agreement with T-12183 to the north, T-12187 to the east, T-12192 to the south and T-12185 to the west.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS Quadrangle PETERSBURG (D-6), ALASKA, scale 1:63,360, dated 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with chart 8201, Etolin Island to Midway Islands, scale 1:217,828, 11th edition, revised 7/20/64.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Charles H. Bishop*

Charles H. Bishop  
Cartographer

Approved for forwarding:

*Melvin J. Umbach*

Melvin J. Umbach, CDR, NOAA  
Chief, Photogrammetry Division, AMC

Approved:

*Alfred C. Holmes*

Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

October 20, 1971

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6206

T-12186

Burnt Island

Grave Island

Gunnuk Creek

Hamilton Island

Kake

Keku Strait

Kupreanof Island

Little Gunnuk Creek

Mosquito Islands

Approved by:

*A. Joseph Wraight*

A. Joseph Wraight  
Chief Geographer

Prepared by:

*Frank W. Pickett*

Frank W. Pickett  
Cartographic Technician

T-12186

49. NOTES FOR THE HYDROGRAPHER

Foul, shoal and reef areas shown on this sheet were determined by office inspection of aerial photographs of the area and are shown to aid the hydrographer in locating possible hazardous areas. Their existence and extent should be verified by the hydrographer. If a foul, shoal or reef area that is shown does not exist, this fact should be noted on the discrepancy print.

Specific items to be investigated are noted on the discrepancy print.

PHOTOGRAMMETRIC OFFICE REVIEW  
T- 12186

1. PROJECTION AND GRIDS <b>CHB</b>	2. TITLE <b>CHB</b>	3. MANUSCRIPT NUMBERS <b>CHB</b>	4. MANUSCRIPT SIZE <b>CHB</b>
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <b>CHB</b>	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <b>CHB</b>		7. PHOTO HYDRO STATIONS <b>XX</b>
8. BENCH MARKS <b>XX</b>	9. PLOTTING OF SEXTANT FIXES <b>XX</b>	10. PHOTOGRAMMETRIC PLOT REPORT <b>Bridge (W.O.)</b>	11. DETAIL POINTS <b>Wild B-8</b>
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE <b>CHB</b>	13. LOW-WATER LINE <b>XX</b>	14. ROCKS, SHOALS, ETC. <b>CHB</b>	15. BRIDGES <b>XX</b>
16. AIDS TO NAVIGATION <b>CHB</b>	17. LANDMARKS <b>XX</b>	18. OTHER ALONGSHORE PHYSICAL FEATURES <b>CHB</b>	19. OTHER ALONGSHORE CULTURAL FEATURES <b>CHB</b>
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES <b>CHB</b>	21. NATURAL GROUND COVER <b>XX</b>		22. PLANETABLE CONTOURS <b>XX</b>
23. STEREOSCOPIC INSTRUMENT CONTOURS <b>XX</b>	24. CONTOURS IN GENERAL <b>XX</b>	25. SPOT ELEVATIONS <b>XX</b>	26. OTHER PHYSICAL FEATURES <b>XX</b>
<b>CULTURAL FEATURES</b>			
27. ROADS <b>CHB</b>	28. BUILDINGS <b>CHB</b>	29. RAILROADS <b>XX</b>	30. OTHER CULTURAL FEATURES <b>CHB</b>
<b>BOUNDARIES</b>			
31. BOUNDARY LINES <b>XX</b>		32. PUBLIC LAND LINES <b>XX</b>	
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES <b>CHB</b>	34. JUNCTIONS <b>CHB</b>		35. LEGIBILITY OF THE MANUSCRIPT <b>CHB</b>
36. DISCREPANCY OVERLAY <b>XX</b>	37. DESCRIPTIVE REPORT <b>CHB</b>	38. FIELD INSPECTION PHOTOGRAPHS <b>XX</b>	39. FORMS <b>CHB</b>
40. REVIEWER <i>Charles H Bishop</i> C.H. Bishop      3/17/66		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> 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 <i>A.L. Shands</i> A.L. Shands      1/6/69		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
REV. BY: C.H. Bishop      1/7/69			
43. REMARKS Field edit applied from: Field edit ozalid, Field Photo Nos.: 65-M-227 & 65-M-229			

T-12186

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-12186

SHORELINE

OCTOBER 18, 1971

61. GENERAL STATEMENT

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

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with copies of registered surveys No. 6989, dated May-June 1960 and No. 7110 dated August 1962. Both of these are at 1:5,000 scale and appear to be plane-table surveys to establish control for hydrography.

The shoreline of these two surveys is superseded by T-12186 for nautical chart construction purposes.

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

Comparison was made with copies of boat sheets H-8517 (HO 5-1-60), H-8658 (HO 5-1-62), H-9000 (PA 10-3-66) and H-9040 (DA 10-4-68). The source of the shoreline for the first two of these surveys appears to have been planetable surveys. The source for the latter two were incomplete manuscripts.

Many of the rocks shown on the boat sheets are not visible on the photographs of the area. This is particularly evident in the area just to the northwest of Burnt Island. Some rocks on the boat sheets appear as reefs or ledges on the photographs and have been mapped as such.

All differences between the boat sheets and survey T-12186 have been noted on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with KAKE and PORTAGE BAY insets of Chart 8201, 16th edition, dated November 7, 1970. The remainder of the chart at 1:217,828 scale is too small for other than a visual comparison.

Attention is called to the rocks shown on the chart in the vicinity of Kake. These are not visible on the photographs, the area appears only as a ledge and has been so mapped on survey T-12186. All differences between the chart and this survey have been indicated on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with project instructions and appears to meet the National Standards of Map Accuracy.

Reviewed by:

*Leo F. Beugnet*

Leo F. Beugnet  
Cartographer

Approved for forwarding:

*Melvin J. Umbach*

Melvin J. Umbach, CDR, NOAA  
Chief, Photogrammetry Division, AMC

Approved:

*Alfred C. Holmes*

Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

Chief, Photogrammetric Branch      Chief, Coastal Mapping Division



## 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 been 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 ozalids 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.

*Charles H. Bishop*

Charles H. Bishop  
Cartographer  
January, 1973

x = 2,620,000 FT.

134°00'00"

57°00'00"

59'30"

59'

58'30"

y = 1,885,000 FT.

59'30"

59'

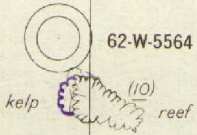
y = 1,880,000 FT.

Ledge not visible on photo

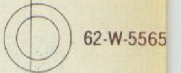
This ledge is submerged

Ledge not visible on photo

Purple = H-9000



Kelp

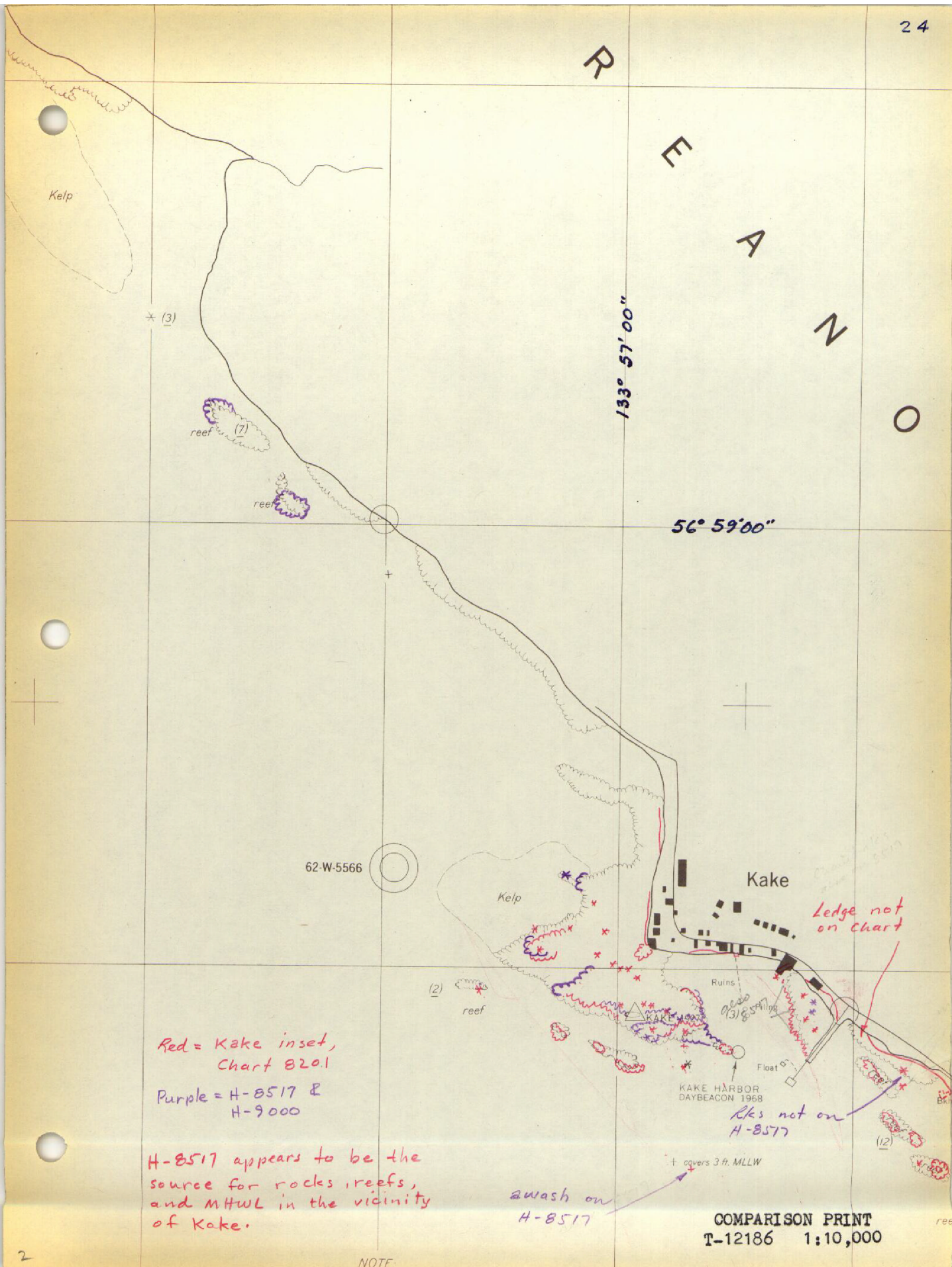


COMPARISON PRINT  
T-12186 1:10,000

R  
E  
A  
N  
O

133° 57' 00"

56° 59' 00"



Red = Kake inset,  
Chart 820.1  
Purple = H-8517 &  
H-9000

H-8517 appears to be the  
source for rocks, reefs,  
and MHWL in the vicinity  
of Kake.

awash on  
H-8517

Ledge not  
on chart

Rks not on  
H-8517

+ covers 3 ft. MLLW

COMPARISON PRINT  
T-12186 1:10,000

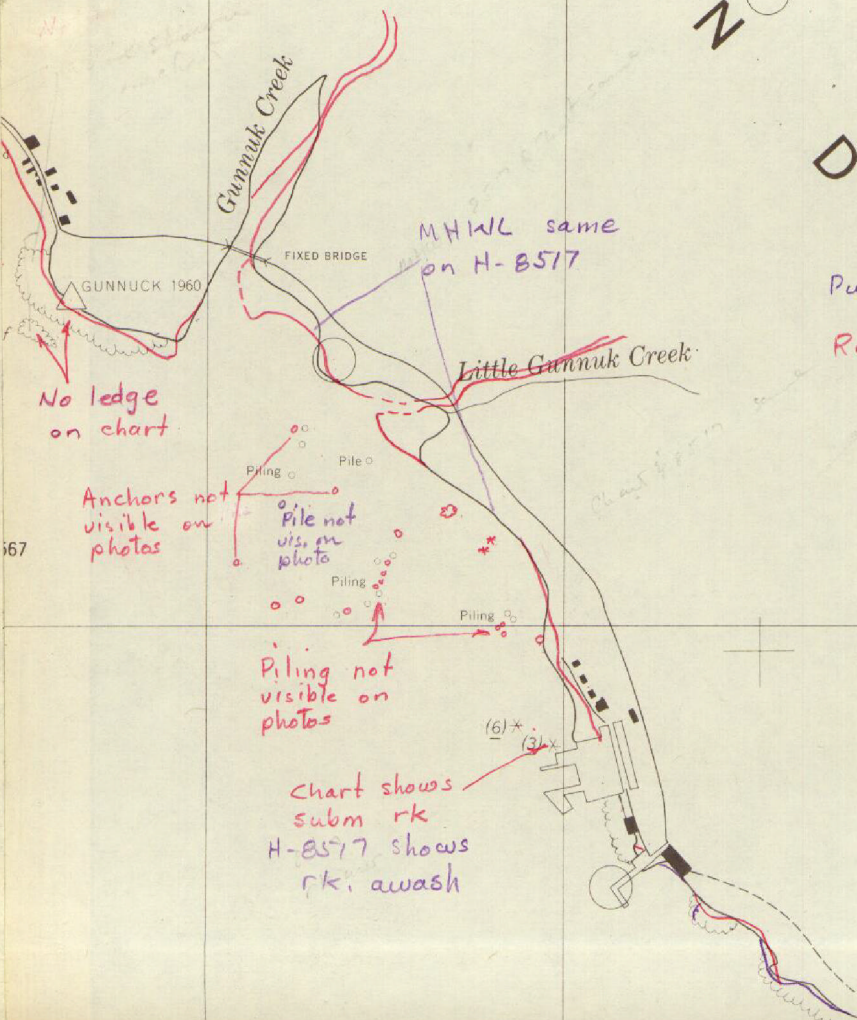
NOTE:

59'

y = 1,880,000 FT.

133° 56' 00"

58' 30"



Purple = H-8517  
 Red = Kake Inset, Chart 8201

No ledge on chart

Anchors not visible on photos

Pile not vis. on photo

Piling not visible on photos

Chart shows subm rk  
 H-8517 shows rk. awash

56' 58'

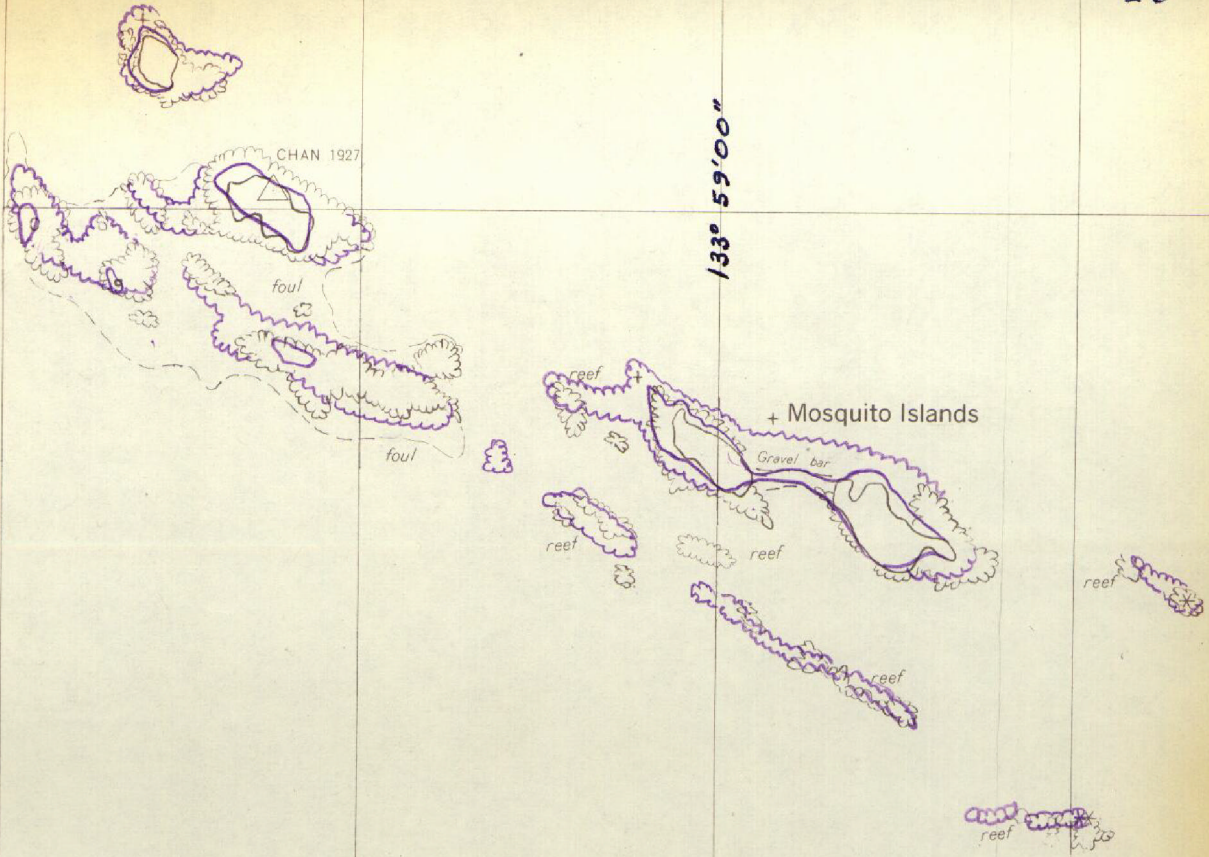
y = 1,875,000 FT.

COMPARISON PRINT  
 T-12186 1:10,000

58'30"

133° 59'00"

CHAN 1927



56° 58'

y = 1,875,000 FT.

Purple = H-9000

K

E

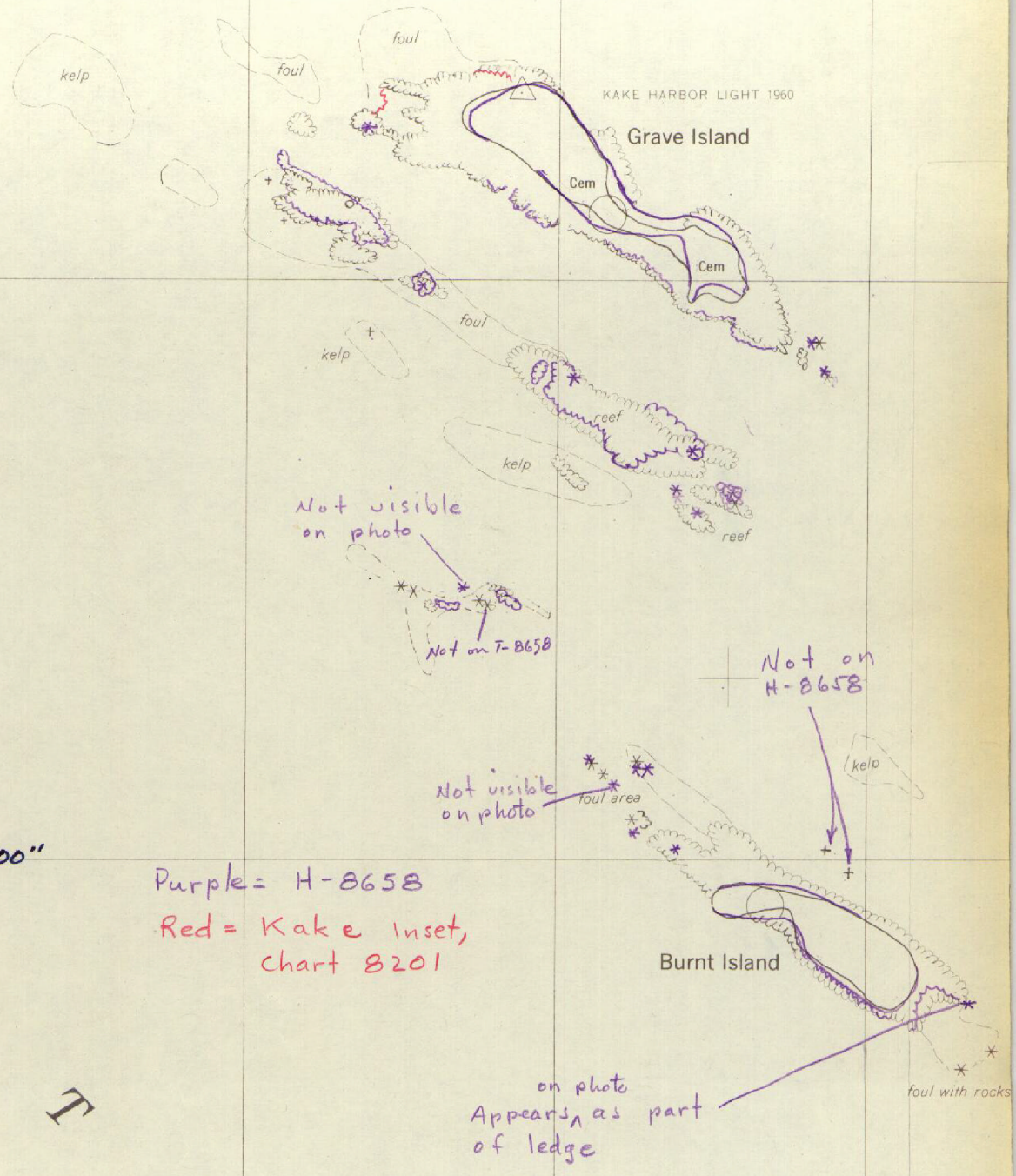
K

U

57'30"

COMPARISON PRINT  
T-12186 1:10,000

\* Rk



133° 58' 00"

56° 57' 00"

Purple = H-8658  
 Red = Kake Inset, chart 8201

R  
 A  
 I  
 T

COMPARISON PRINT  
 T-12186 1:10,000



62-W-5568

57'30"

PORTAGE BAY LIGHT 2 1968  
reef

y=1.870.000 FT.

57'

Purple = H-8658

Red = Portage Bay Anchorage inset, chart 8201.

Not visible on photos

BETH 1927

56'30"

Hamilton Island

y=1.865.000 FT.

COMPARISON PRINT  
T-12186 1:10,000

56'

55'30"

56°56'15"  
133°55'00"

x=2.635.000 FT.

6