

10408

ORIGINAL

PA. 5
CL. 11
CL. 11

10408

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey Shoreline (Photogrammetric)	
Field No.	Office No. T-10408
LOCALITY	
State	Alaska
General locality	Heceta Island
Locality	Camp Island
1953-1957	
CHIEF OF PARTY	
Robert A. Earle, Chief of Field Party	
W. F. Deane, Baltimore District Officer	
LIBRARY & ARCHIVES	
DATE	

USCOMM-OC 5087

"INCOMPLETE" SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): <i>L. D. THURMAN</i>		DATE: <i>1957</i> <i>1957 1956</i>
James P. Randall (<i>Control operations</i>)		
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Office interpretation of 1955 nine-len photography which was verified in the Sea Otter Sound area in 1957.		
PROJECTION AND GRIDS RULED BY (IV):		DATE
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
CONTROL PLOTTED BY (III):		DATE
CONTROL CHECKED BY (III):		DATE
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): <i>L. A. Senasack</i>		DATE <i>March 1957</i>
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE <i>1957</i>
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

AMERA (KIND OR SOURCE) (III):

Nine-lens

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
52003 thru 52005	8-22-55	0915	1:10,000	1.5' above MLLW
52031 thru 52033	8-22-55	0935	1:10,000	1.3' above MLLW
52038	8-22-55	0942	1:10,000	1.2' above MLLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sitka, Alaska		7.7	9.9
COORDINATE STATION: Port Alice, Heceta Island		8.7	10.8
SUBORDINATE STATION: Warm Chuck Inlet, Tonowek Bay		8.0	10.2

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, AMC

DATE:
April 1969

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

RECOVERED:
4

IDENTIFIED:
3

NUMBER OF BM(S) SEARCHED FOR (II):

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

Forms 181a, 181b, and 181c were prepared by the final review. There is no other data available.

4
T-10408

COMPILATION RECORD

COMPLETION DATE

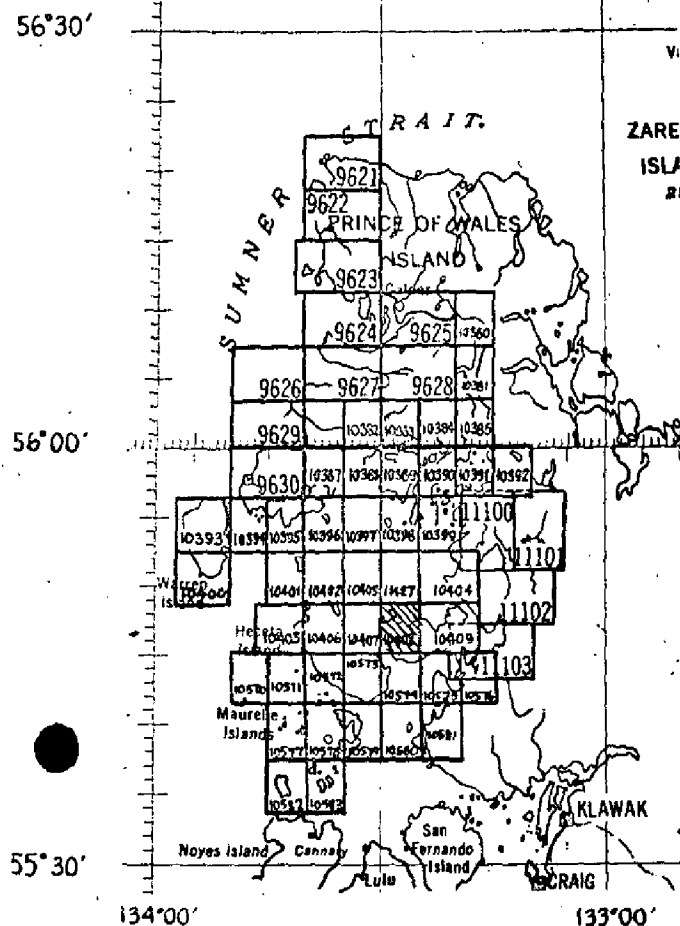
REMARKS

Compiled	1957	
Final Review	April, 1969	

SHORELINE MAPPING PROJECT PH- 87

Prince of Wales Island, Alaska

5



Project Ph-87 Official Mileage for Cost Accounts

Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
9621	12	10
9622	16	11
9623	15	7
9624	17	12
9625	21	11
9626	4	5
9627	15	15
9628	14	2
9629	5	6
9630	7	6
11100	32	16
11101	9	8
11102	18	10
11103	16	15
10380	6	4
10381	5	10
10382	8	2
10383	6	8
10384	7	5
10385	4	8
10386	9	1
10387	6	7
10388	3	6
10389	7	12
10390	6	16
10391	4	12
10392	8	7
10393	12	10
10394	2	4
10395	5	8
10396	2	4
10397	1	1
10398	3	5
10399	4	11
10400	6	8
10401	1	2
10402	2	3
10403	3	6
11427	1	1
10404	5	10
10405	2	2
10406	8	1
10407	8	2
10408	5	7
10409	10	10

10570	1	1
10571	1	1
10572	5	6
10573	8	2
10574	3	4
10575	2	1
10576	7	2
10577	1	1
10578	2	2
10579	1	6
10580	2	2
10581	12	9
10582	2	6
10583	2	5

TOTAL 412

378

6

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10408

Shoreline survey T-10408 is one of 58 similar surveys in project PH-87. It covers a part of the south shore of Sea Otter Sound in the vicinity of Camp Island and a part of the northeasterly shore of Warm Chuck Inlet. See page 5 of the descriptive report for the area within the project.

This survey was originally compiled as a preliminary manuscript. After identification of horizontal control in 1956 and some field inspection in the area of Sea Otter Sound in 1957, the manuscript was corrected and classified incompl- * etc. There has been no field inspection, field edit or contemporary hydrography in Warm Chuck Inlet. *See below*

Compilation was by graphic methods at 1:10,000 scale using the 1:10,000 scale 9 lens photographs of August 1955. A cronaflex copy of the manuscript along with a blueline tracing, ozalids and photographs were subsequently provided for preparation of the boat sheet, field edit and location of photo-hydro signals.

The manuscript is a vinylite sheet 3 minutes 45 seconds in latitude by 5 minutes in longitude which was smooth drafted and reproduced on cronaflex. One cronaflex positive and a negative are furnished for record and registry.

* NO COMPILATION REPORT EXISTS TO ACCOUNT FOR APPLICATION OF THE 1957 FIELD DATA; FIELD PHOTOGRAPHS, HOWEVER, WERE EXAMINED BY THE FINAL REVIEWER

AHB

7

FIELD INSPECTION REPORT

HECETA ISLAND AND SOUTHWEST TUXEKAN ISLAND

NO OTHER SECTIONS APPLICABLE.

3. HORIZONTAL CONTROL:

All triangulation stations on Manuscripts 10402, 10403 and 10405 thru 10409, and also in those areas on the south side of Heceta Island not covered by manuscripts, for which photographic identification was required, were recovered and pricked on photographs.

Stations identified were as follows:

HEN 1904	SURF 1903	LOST 1907
CWL 1904	BAY 1903	SILLA 1914
COON 1904	LYNCH 1907	SKIP 1914
TIP 1904	GULL ROCK 1903-21	NAPUL 1914
SNIPE 1904	MIKE 1907	SPIKE 1914
GRASS 1903	EMERALD 1907-22	SWIFT 1914
PINE 1903	WHITE CLIFF 1907-22	QUINCE 1914

14. SUPPLEMENTAL DATA:

Forwarded to the Director:

1. Control Station Identification Cards - forwarded via transmitting letter HDG 56-7 (4 Aug.) and HDG-56-13 (16 Oct.).
2. Nine Lens Office and Field Photographs - forwarded 29 Sept. via transmitting letter HDG-56-10.
3. Blue-line Tracings and Blackline Impressions - forwarded 16 Oct. via transmitting letter HDG-56-13.

Respectfully submitted,

James P. Randall
James P. Randall,
Lt.(jg), USC&GS

Approved and forwarded:

Robert A. Earle
Robert A. Earle,
CDR, USC&GS
Comdg., Ship HODGSON

MANUSCRIPTS T-10402 THRU 10409 AND T-11103

2. AREAL FIELD INSPECTION

Sea Otter Sound and Karheen Passage are used principally by fishermen, logging companies and freight boats.

Rock outcroppings are metamorphic limestone and shale and are covered by a black scale at and above mean high water for a vertical span of from 2 to 4 feet.

Within the limits of this survey there are a number of cultural features.

On the north shore of Heceta Island at the extreme southern end of Sea Otter Sound, Lat. $55^{\circ} 57' 00''$, Long. $133^{\circ} 21' 36''$, there are four unoccupied buildings. There are four buildings still standing at Karheen, 800 meters south of station FLORA 1904-56 there is an abandoned fish trapper's cabin. A trapper's cabin can be found 500 meters south of station BARK 1904-57 and another is located at Lat. $55^{\circ} 46' 15''$, Long. $133^{\circ} 20' 15''$.

Three operating logging camps fall within or near the limits of this survey. Two of the camps show on the photographs, the third is a small gypso outfit that has been logging in Port Alice. The camp is located on floats at the very head of Port Alice but the logging is being done just south and behind station PINE 1904-57.

The ruin of a barge is located in the long narrow gut immediately north of Karheen.

Densities and tones were not inspected inshore of the storm high water line.

Shoal and kelp areas were noted, where discernible, on the photographs.

3. HORIZONTAL CONTROL

- (a) Station PINE 1903-57, being in error in 1956, was reidentified and a Control Station Identification Card submitted.
- (b) Stations HEN, 1904-56 and COON 1904-56 were not reidentified.
- (c) Stations MARS 1914-52, STEAD 1952, QUINCE 1914 and WAR 1914 were reidentified and Control Station Identification Cards were submitted.
- (d) PEEP ROCK LIGHT 1957, CHAPIN ISLAND RANGE FRONT DAYBEACON 1957 and CHAPIN ISLAND RANGE REAR DAYBEACON 1957 were located by 3rd order triangulation.

4. VERTICAL CONTROL

Inapplicable.

5. CONTOURS AND DRAINAGE

Contours - inapplicable.

Within the limits of this survey there are a number of small streams, none of major importance.

6. WOODLAND COVER

All land areas not covered by storm high water are densely forested with the exception of muskegs, logged areas and the higher mountains.

Conifers - hemlocks, spruce and cedars, comprise the major portions of the cover, with the cedars favoring the low wet areas.

Many small logging operations have been conducted in this area and though they span a number of years all are well defined.

Scattered patches of alder and crabapple can be found along the beaches, and show as a dark globular mass against the lighter conifers.

7. SHORELINE AND ALONGSHORE FEATURES

The shoreline was inspected from the beach at all photo-hydro signals locations and from the boat in all other areas.

(a) The office interpretation of the mean high water line was, in general, quite accurate, even in the heavily shadowed areas. In all the large areas of shadowed shoreline, the mean high water line was located by sextant angles taken to photo-hydro signals. The angles were recorded on the back of the photographs. In smaller areas the shoreline was readily discernable and was delineated directly on the photographs.

(b) The low water line corresponds closely with the darker color tone at the offshore edge of alongshore and offshore features.

(c) The foreshore consists of rock outcrops and boulders, with the exception of deltaic muds, sands, and gravels, at the mouths of the larger streams.

(d) There are no noteworthy bluffs or cliffs.

8. OFFSHORE FEATURES

All offshore features were visited. All shoal and foul areas were indicated on the photographs.

Visible rocks were indicated and their heights or depths, time, and dates were noted.

All rocks not visible on the photographs were located by sextant angles to photo-hydro signals. The fixes were recorded on the back of the photographs along with the heights or depths, time, and date.

9. MARKS AND AIDS

There are six (6) floating aids to and four (4) fixed aids to navigation located within the limits of this survey. They are:

Karheen Passage Daybeacon
Point Swift Shoal Buoy 2
Karheen Passage Buoy 1
Karheen Passage Buoy 2A
Ham Island Reef Buoy 3
Chapin Island Range Front Daybeacon
Chapin Island Range Rear Daybeacon
Cob Island Reef Buoy 4
Karheen Reef Buoy 6
Peep Rock Light

Landmarks - none.

10. BOUNDARIES, MONUMENTS

Inapplicable.

11. OTHER CONTROL

None.

12. OTHER INTERIOR FEATURES

Not applicable.

13. GEOGRAPHIC NAMES

Geographic names will be covered in a separate report.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

(a) Forwarded to the Director:

1. Tidal Data, Karheen Tide Gage, via transmitting letter, 3 Aug. 1957 and 14 Oct. 1957.
2. Tidal Data, Port Alice Tide Gage, via transmitting letter, 14 Oct. 1957.
3. 9 Lens Field and Office Photographs, Scale 1/10,000, via transmitting letter 15 Oct. 1957.
4. Single Lens Field Photographs, via transmitting letter, 15 Oct. 1957.
5. Boat Sheets HO-1457, and HO-1557, via transmitting letter, 10 Oct. 1957.
6. Boat Sheet, HO-1657 via transmitting letter 16 Oct. 1957

(b) Forwarded with this report:

1. Control Station Identification Card
2. Nine Lens Field and Office Photographs, Scale 1/10,000

(c) To be forwarded to the Director:

1. Description of Triangulation Stations.
2. Geographic Names Report
3. Coast Pilot Notes

Respectfully submitted,

Loyd D. Thurman
Loyd D. Thurman,
Ens., C&GS

Approved and forwarded:

E. W. Richards

E. W. Richards,
LCDR, C&GS
Comdg., Ship HODGSON

PHOTOGRAMMETRIC PLOT REPORT

Project 27070 (6087)
Surveys T-10402 thru T-10409 & T-11427

21. AREA COVERED

This radial plot covers the area of surveys T-10402 thru T-10409 and the southwest corner of T-11427. They are shoreline surveys along north shore of Heceta Island near Prince of Wales Island, Alaska, from Tuxekan Island to Cape Lynch.

22. METHOD - RADIAL PLOT

Map Manuscripts:

Vinylite sheets with polyconic projections in black and U.T.M. Alaska, Zone 8 grids in red, at a scale of 1:10,000 were furnished by the Washington Office.

All control stations and some substitute stations were plotted using the meter bar and beam compass, the remaining substitute stations were plotted graphically.

Base sheets were prepared in this office.

A sketch, showing the layout of surveys and distribution of control and photograph centers, and a list of unidentified stations which are numbered on the sketch, are attached to this report.

Photographs:

There were forty-nine (49) nine-lens unmounted photographs, at a scale of 1:10,000 used in this plot. The photographs are numbered as follows:

41320 thru 41325	51994 thru 52006
41691 and 41692	52029 thru 52035
41713 and 41714	52037B thru 52041
41728 and 41729	52073 thru 52079
	52165 thru 52169

Templets:

Vinylite templets were made for all photographs using a master templet to correct for errors due to paper distortion and chamber displacement.

Closure and Adjustment to Control:

This radial plot is an extension of the supplementary plot for Surveys T-10397 thru T-10399 (See Descriptive Report for surveys No. T-10382 thru T-10384). The radial plot was constructed starting from T-10404 and running southward to T-10409, tying into control identified in the field in 1952. The plot was then bridged westward across Heceta Island, to survey T-10405 and to the pass points previously established

on survey T-10401. Eight (8) of the thirty-eight (38) field identified control stations could not be held, but a satisfactory plot was obtained.

Transfer of Points:

Each map manuscript was placed over the finished plot and oriented holding common grids and all pass points and photograph centers were pricked on the map manuscript.

23. ADEQUACY OF CONTROL

There was adequate control to obtain a satisfactory radial plot.

The following stations could not be held in the plot.

LIME, 1952 - The radially position falls approximately 10 meters to the SSW of the plotted position. This station falls outside of the delineation area. The error is probably due to difficulty of transfer to new photography. Since there were sufficient other stations to control the plot, no further investigation was made.

QUINCE, 1914 - The radially plotted position falls approximately 27 meters to the SE of the plotted position. This is believed to be misidentified in the field. The point which is identified can not be seen from NUT, 1914 and ANON, 1914, to the southwest.

HEN, 1904 - The radially plotted position for the Sub. Pt. falls 196 meters to the east of the plotted position. This was misidentified in the field on another reef. It was not re-identified in the office.

COON, 1904 - The radially plotted position falls 6 meters to the west of the plotted position. This station was misidentified in the field. It could not be re-identified accurately in the office.

NAPUL, 1914 - This station was not held in the radial plot but due to lack of a sketch re-identification could not be made. It is probably misidentified on another boulder. This station is outside of the project limits and there is sufficient other control for a satisfactory plot.

PINE, 1903 - The radially plotted position falls approximately 980 meters (0.6 mile) south of the plotted position. The sketch did not agree with the area at the true position and no attempt was made in this office to try to re-identify it.

LEAN, 1903 - The geographic position for this station plots in deep water on chart 8171. No rocks or other detail show on the photographs in this area. It is assumed that the published position might be incorrect. The position is unchecked.

SOUTH POINT, LOW BLACK POINT, 1903 - The geographic position for this station plots in deep water on Chart 8171. No rocks or other detail show on the photographs in this area. It is assumed that the published position might be incorrect. The position is unchecked.

BAY, 1903 - The radially plotted position for Sub. Pt. No. 1 falls 13 meters to the south southwest of the plotted position. The radially plotted position of Sub. Pt. No. 2 falls 47 meters to south of the plotted position. These are believed to be misidentified in the field. The Sub. Pts. are potholes in an area where they are numerous. It was not possible to re-identify the correct image points.

WHITE CLIFF, 1907-22 - This station is believed to be misidentified in the field. Since this station is far outside of the project limits; stations MIKE, 1907 and EMERALD, 1907-22, which are closer to the project were held.

More time was consumed in identifying the control in this plot than in a normal plot. The greatest amount of time was used in trying to prick on the office photographs points identified on the field photographs that did not agree for various reasons such as, with the information on the identification cards and/or Form 526. The following is a list of some of the stations where a great deal of time was consumed:

MIKE, 1907
SILLA, 1914
OWL, 1904
COON, 1904
LIME, 1952

SWIFT, 1914
MARS, 1914
HEN, 1904
GRASS, 1903
BAY, 1903
WHITE CLIFF, 1907-22

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

The photograph definition and photograph coverage for this plot was good. It was noted, however, when making templates that some difficulty was encountered in trying to adjust the template to the fiducial marks on the photographs in the center chambers. A study was made of this 1955 copy but there seemed to be no apparent answer for this trouble.

Respectfully submitted
14 March 1957

Leroy A. Senasack

Leroy A. Senasack
Carto. Photo. Aid

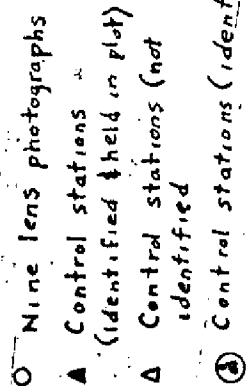
15
LIST OF CONTROL NOT IDENTIFIED

Project 27070 (6087)

Surveys - T-10402 thru 10409 & T-11427

1. SOUTH POINT, LOW BLACK POINT, 1903
2. OTTER, 1903
3. COVE MOUNTAIN, 1903
4. CLIFF, 1903
5. POW, 1903
6. SPRAY, 1903
7. FOAM, 1903
8. LEAN, 1903
9. CORN, 1903
10. FLAT, 1904
11. FLY, 1904
12. MANO, 1914
13. WAR, 1914
14. NUT, 1914
15. MAST, 1914
16. ANON, 1914
17. SURP, 1914
18. BATO, 1904
19. DENT, 1914
20. LOG POINT, 1904
21. HOPE, 1904
22. TRIM, 1904-14
23. COB, 1904 - 14
24. VEX, 1904
25. CHOP, 1904
26. LEDGE, 1904-14
27. AID, 1904
28. BARN, 1904
29. DEAD, 1904 (Reported lost 1956)
30. PUP, 1904
31. BOLD, 1904
32. SAW, 1904
33. PEEP, 1904

SURVEYS: T-10402 thru T-10409 and T-11427



PRELIMINARY COMPILATION REPORT
and
NOTES TO HYDROGRAPHER

Surveys T-10402 thru
T-10409 and T-11427

These manuscripts were delineated by office interpretation. A small amount of field inspection on Navy photographs, scale 1:20,000 was available in Karheen Passage (T-10409) from the 1952 season.

The computed tides at the time of photography were found to be high tide to the west of Port Alice (T-10402 and T-10405) and low tide to the east of Port Alice. (T-10403, T-10404, T-10406 thru T-10409). High tide photography also was available on the eastern shore of Port Alice.

The edge of the water as imaged on the high water photographs was used as the shoreline. On the low water photographs, the office interpretation of the MNWL was difficult especially in the areas of wide sloping beaches. In Karheen Passage, the field inspection done in 1952 indicated the shoreline to be at the tree line.

Where the shoreline was obscured by shadows or relief displacement of trees, a broken line or approximate shoreline was delineated.

The foul line symbol was used to outline areas of doubtful interpretation which may be shallow, foul, debris, kelp, etc.

The following are the aids to navigation in this area:

- Surf Point Light, T-10402 - could not be office identified.
- Peep Rock Light, T-10404 - was office identified.
- Cape Lynch Light, T-10405 - Field identified in 1956.
- Karheen Passage Daybeacon, T-10409 - located in 1952.
- Chapin Island Range Front Daybeacon, T-10409 - was office identified.
- Chapin Island Range Rear Daybeacon, T-10409 - was office identified.

Buildings and cultural details at Karheen and at the lumber camp to the north of Karheen should be field inspected.

Verify building on island 800 meters southwest of triangulation station FLORA, 1904.

Respectfully submitted

Frank J. Tarcza,
Super. Carto. (Photo.)

Approved and forwarded

William F. Deane,
CDR, USN
Baltimore District Officer

GEOGRAPHIC NAMES

FINAL NAME SHEET

Ph-87 (Heceta Island, Alaska)

T-10408

Camp Island

Chuck Creek

Heceta Island

Sea Otter Sound

Warm Chuck Inlet

Approved by:

A. J. Wright
A. Joseph Wright
Chief Geographer

Prepared by:

Frank W. Pickett
Frank W. Pickett
Cartographic Technician

PHOTOGRAMMETRIC OFFICE REVIEW

T- 10408

1. PROJECTION AND GRIDS ✓	2. TITLE ✓	3. MANUSCRIPT NUMBERS ✓	4. MANUSCRIPT SIZE ✓
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ✓	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) ✓		7. PHOTO HYDRO STATIONS ✓
8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT ✓	11. DETAIL POINTS ✓
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ✓	13. LOW-WATER LINE ✓	14. ROCKS, SHOALS, ETC. ✓	15. BRIDGES
16. AIDS TO NAVIGATION ✓	17. LANDMARKS ✓	18. OTHER ALONGSHORE PHYSICAL FEATURES ✓	19. OTHER ALONGSHORE CULTURAL FEATURES ✓
PHYSICAL FEATURES			
20. WATER FEATURES ✓		21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
CULTURAL FEATURES			
27. ROADS	28. BUILDINGS ✓	29. RAILROADS	30. OTHER CULTURAL FEATURES
BOUNDARIES			
31. BOUNDARY LINES		32. PUBLIC LAND LINES	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ✓		34. JUNCTIONS ✓	35. LEGIBILITY OF THE MANUSCRIPT ✓
36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT ✓	38. FIELD INSPECTION PHOTOGRAPHS ✓	39. FORMS ✓
40. REVIEWER <i>Leo L. Bengt</i>		SUPERVISOR, REVIEW SECTION OR UNIT	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER		SUPERVISOR	
43. REMARKS <i>This form prepared by the final reviewer.</i>			

REVIEW REPORT T-10408
SHORELINE
April 28, 1969

61. GENERAL STATEMENT:

See Summary which is page 6 of the descriptive report.

There is no field edit report or field edit sheet for this survey. Warm Chuck Inlet was not field inspected nor is there any contemporary hydrography in that area. For these reasons the incomplete manuscript classification has been retained on the copies of the survey forwarded for record and registry.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

In the area of Sea Otter Sound comparison was made with a copy of 1:20,000 scale registered survey No.2692 made in 1904. In the Warm Chuck Inlet area, comparison was made with a copy of 1:10,000 survey No.3448, made in 1914. The passage of time has made these surveys obsolete, they are superseded by T-10408.

The shoreline of survey 3448 is not in agreement with that of T-10408. The difference has been indicated on the comparison print in blue.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS CRAIG (D-5), ALASKA, 15x20 minute 1:63,360 scale quadrangle, 1951 edition. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEY:

To the north of latitude $55^{\circ} 47.0'$ comparison was made with a copy of unreviewed survey H-8393. There is no contemporary hydrographic survey to the south. All differences between the hydrographic survey and this survey has been indicated on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS:

To the north of latitude $55^{\circ} 47.0'$ comparison was made with Chart 8171, 8th edition, June 10, 1968. All differences between that chart and this survey have been shown on the comparison print.

To the south of latitude $55^{\circ} 47.0'$ comparison was made with Chart 8157, 6th edition, February 21, 1966. The shoreline of that chart and this survey is not in good agreement. The difference has been shown on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with instructions and meets the National Standards of Map Accuracy. ** Refer to page 6 and page 21 (heading 61) of this report*

Field photographs 52031 thru 52033 and office photographs 52003 thru 52005, 52030 thru 52033 and 52038 were used to review the manuscript.

Much of the data for this survey had become lost prior to final review. All pertinent available data has been made a part of the report.

Approved by:

Reviewed by:

For P. O. Stark
Allen L. Powell, RADM, USESSA
Director, Atlantic Marine Center

Leo F. Beugnet
Leo F. Beugnet

Approved by:

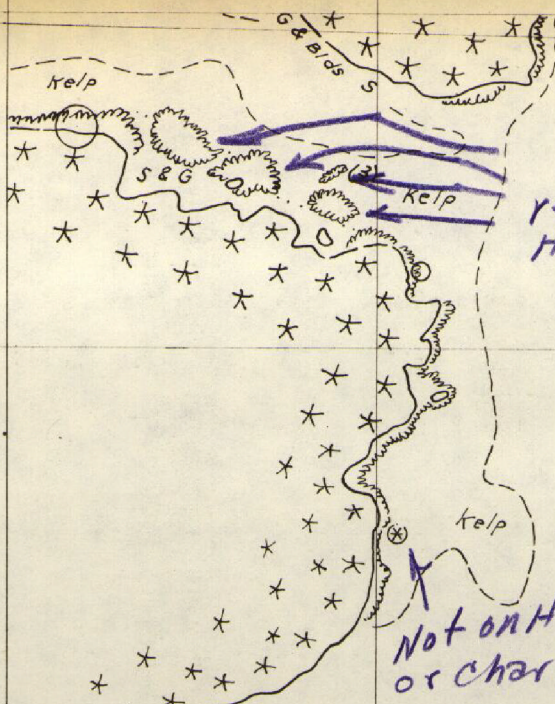
Charles H. Houten
Chief, Photogrammetric Branch *PHB*

R. H. Houten
Chief, Photogrammetry Division

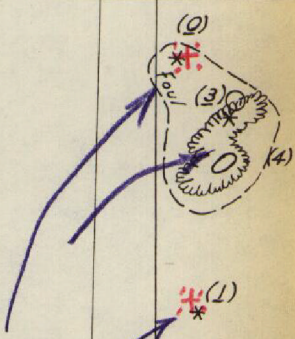
Chief, Nautical Chart Division

55°48'45"

23



55°48'00"



Not on H-8393

133°30'00"

none on chart

T-10408

46'

shoreline from Chart 8157
(same difference exist with T-3418)

0 000 m

5 2005

W A R M C H U C K I N L E T

5 5'

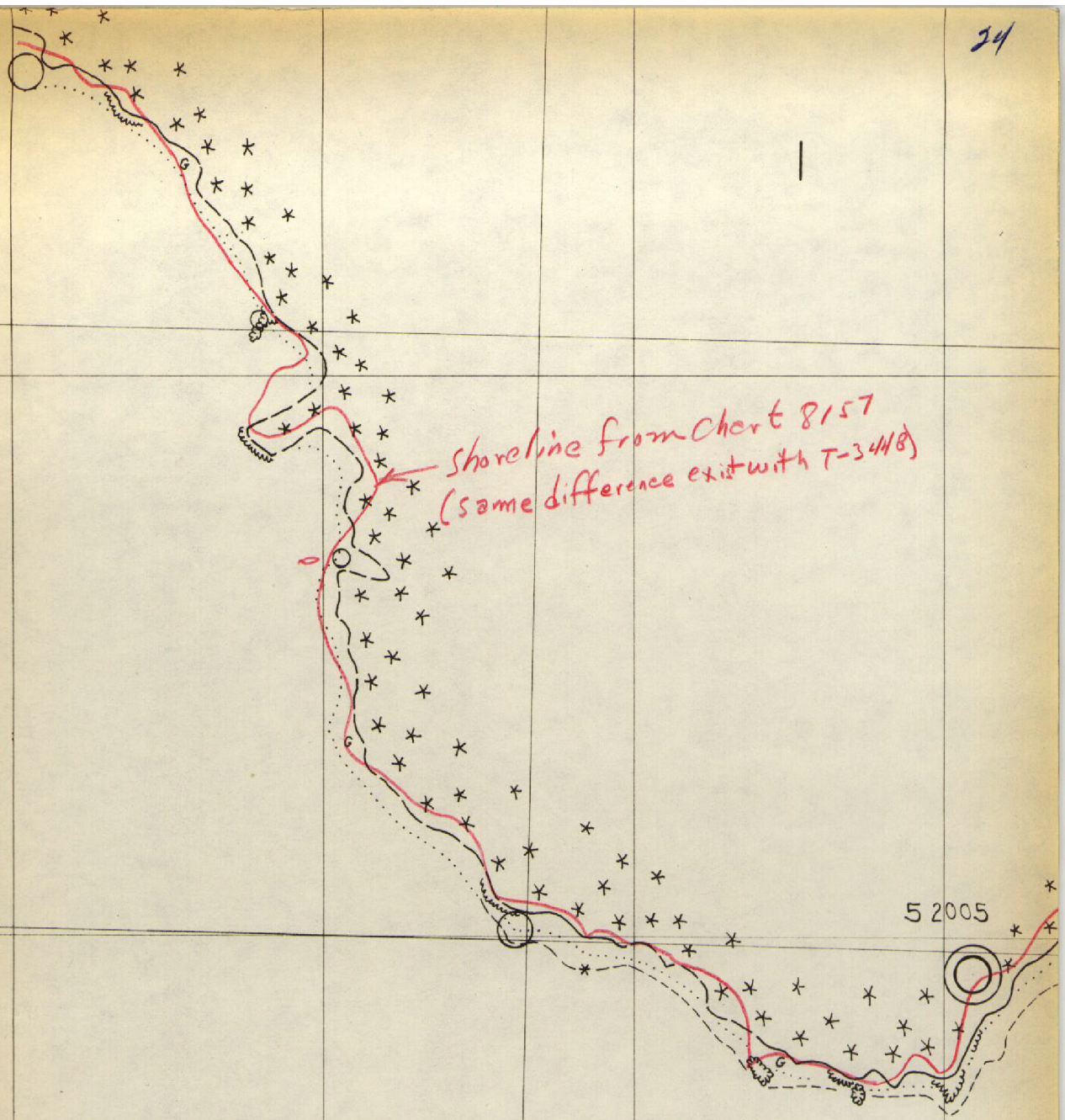
(T-105)

133° 30'

5 000 m

29'

T-10408



55° 46' 00"

25

CHUCK CREEK

Shoreline from Chart 8157
(Same d. Florence exist with T-3448)

55° 45' 00"

MANO 1914

133° 28'

133° 27'

Date of Photography	Aug. 1955
Date of Field Inspection	1956-1957
Date of Compilation	March 1957
Date of Field Edit	See Review Report
Date of Final Review	April 1969

INCOMPLETE

This manuscript is based on a final copy of the manuscript but the delineation of details is not complete for use of the hydrographic parties. [final copies of the manuscript will be

T-10408

55° 48' 00"

