

10402

ORIGINAL

10402

| | |
|---|---------------------------|
| Form 504 | |
| U. S. DEPARTMENT OF COMMERCE | |
| COAST AND GEODETIC SURVEY | |
| DESCRIPTIVE REPORT | |
| Type of Survey <u>Shoreline (Photogrammetric)</u> | |
| Field No. <u>Ph-87</u> | Office No. <u>T-10402</u> |
| LOCALITY | |
| State <u>ALASKA</u> | |
| General locality <u>Davidson Inlet</u> | |
| Locality <u>Port Alice</u> | <u>←? SURF PT.</u> |
| <u>1953 - 1957</u> | |
| CHIEF OF PARTY | |
| <u>E. W. Richards, Chief of Field Party</u> | |
| <u>W. E. Deane, Baltimore District Officer</u> | |
| LIBRARY & ARCHIVES | |
| DATE _____ | |

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10402

Project No. (II): Ph-87

Quadrangle Name (IV):

Field Office (II): C&GS Ship HODGSON

Chief of Party: R. A. Earle
E. W. Richards

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: William F. Deane

Instructions dated (II) (III):

Field: 25 Dec. 1954
25 Jan. 1955
21 Nov. 1956

Office: 7 Nov. 1955
13 Nov. 1956
23 Nov. 1956
30 Oct. 1957
15 July 1958

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 24 OCT 1958

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): SURF, 1903

Lat.: 55° 50' 02.105" (65.1 m)

Long.: 133° 37' 53.758" (935.7 m)

Adjusted

~~UNADJUSTED~~

Plane Coordinates (IV):

State: Alaska UTM Zone: 8

Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): *J. P. RANDALL (CONTROL OPERATIONS)*
L. D. Thurman (CONTROL & INSPECTION OPERATIONS) Date: *1956*
Sept. 1957

Planetable contouring by (II): Date:

Completion Surveys by (II): R. D. Bernard Date: 1958
(REFER TO PAGE 6A)

Mean High Water Location (III) (State date and method of location): 1953 and 1954, dates of photography.

Projection and Grids ruled by (IV): A. Riley Date: 11/9/55

Projection and Grids checked by (IV): A. Riley Date: 11/9/55

Control plotted by (III): F. M. Wisiecki Date: 12/8/55
E. L. Williams 2/13/57

Control checked by (III): A. Queen Date: 12/14/55
L. A. Senasack 2/18/57

~~Radial Plot of Stereoscopic~~
~~Control extension~~ by (III): L. A. Senasack Date: 3/12/57

Planimetry Date:
Stereoscopic Instrument compilation (III):
Contours Date:

Manuscript delineated by (III): J. Honick Date: 3/25/57
R. M. Whitson
F. J. Tarca (Final) 22/OCT/58
(Refer to page G-A)

Photogrammetric Office Review by (III): Date:

Elevations on Manuscript
checked by (II) (III): Date:

DESCRIPTIVE REPORT - DATA RECORD

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Camera (kind or source) (III):

C&GS Nine lens

PHOTOGRAPHS (III)

| Number | Date | Time | Scale | Stage of Tide |
|------------------|---------|------|----------|-----------------|
| 41323 and 41324 | 7/25/53 | 1259 | 1:10,000 | 8.7' above MLLW |
| 41690 and 41691 | 8/22/53 | 1358 | " | 7.2' above MLLW |
| 51998 thru 52000 | 8/22/55 | 0910 | " | 1.4' above MLLW |

Tide (III)

From Predicted Tide Tables

Reference Station: Sitka, Alaska
Subordinate Station: Port Alice
Subordinate Station:

| Ratio of Ranges | Mean Range | Spring Range |
|-----------------|------------|--------------|
| | 7.7 | 9.9 |
| | 8.7 | 10.8 |

Washington Office Review by (IV): *Leo F. Beugnot, Atlantic Marine Center* Date: *March 1969*

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III):

Shoreline (More than 200 meters to opposite shore) (III): 8.0

Shoreline (Less than 200 meters to opposite shore) (III): 0.5

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 7 Recovered: 7 Identified: 2

Number of BMs searched for (II): Recovered: Identified:

Number of Recoverable Photo Stations established (III): None

Number of Temporary Photo Hydro Stations established (III): None

Remarks:

T-10402

| COMPILATION RECORD | COMPLETION DATE | REMARKS |
|--------------------------------|-----------------|--------------------------|
| Compiled | March 1957 | INCOMPLETE Superseded |
| <i>Field edit data applied</i> | <i>1958</i> | <i>ADVANCE</i> |
| Final Review | March 1969 | <i>Superseded</i> |
| <i>See page 6A</i> | | |
| | | |
| | | |

SHORELINE MAPPING PROJECT PH- 87

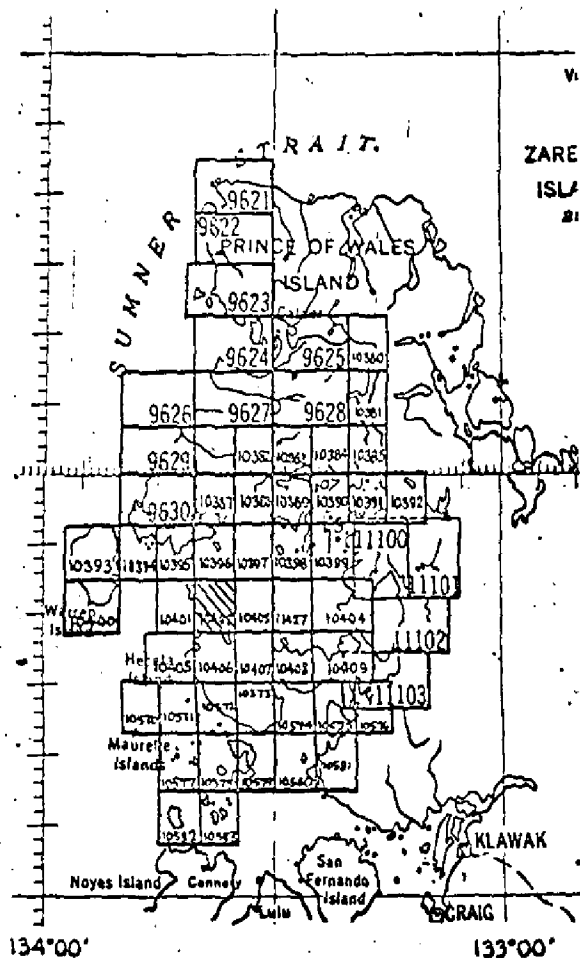
Prince of Wales Island, Alaska

5

56°30'

56°00'

55°30'



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 | 6 | 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 432

378

6-A

Triangulation station PINE, 1903 was mis-identified by the 1956 field inspection party. It was reidentified during field edit, accomplished in 1957 in conjunction with hydrography. No evidence exists to account for use of the new data in reevaluating the radial plot. Application of field edit data is accounted for in the Compilation Report (Item 35), written in the Baltimore Office in 1958; however, notes on page 17 of this Descriptive Report, indicate that the work was accomplished in the Washington Office and that the corrected manuscript was not returned to the Baltimore Office.

A comparison of available field photographs indicate application of field edit data except for the substitute points for PINE 1903. The CSI card is lost - precluding any further check. No discrepancies between the subject survey and the contemporary hydrographic survey were found by the final reviewer (page 19, item 64).

J.S. Blankinship

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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10402

Shoreline survey T-10402 is one of 58 similar surveys in project PH-87. It covers part of the north coast of Heceta Island in the vicinity of Surf Point. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support data for hydrographic surveys.

This survey was originally compiled as an incomplete manuscript. In September 1957 field inspection was accomplished, the manuscript was then corrected from the field inspection notes and classified as advance.

Compilation was at 1:10,000 scale by graphic methods using the nine-lens photography of July 1953, August 1953 and August 1955. A cronaflex copy of the manuscript along with a blueline tracing, ozalids and specially prepared photographs were provided for preparation of the boat sheet, field edit use and location of photo-hydro signals.

The manuscript was 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 forwarded for record and registry.

← Refer to page G-A

7

FIELD INSPECTION REPORT

HECETA ISLAND AND SOUTHWEST TUXEKAN ISLAND

NO OTHER SECTIONS APPLICABLE. 1956

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:

| | | |
|--------------|-----------------------|---------------|
| HEM 1904 ✓ | SURF 1903 ✓ | — LOST 1907 |
| OWL 1904 ✓ | BAY 1903 ✓ | — SILLA 1914 |
| COON 1904 ✓ | — LYNCH 1907 | — SKIP 1914 |
| TIP 1904 ✓ | — GULL ROCK 1903-21 | — NAPUL 1914 |
| SNIFE 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. Blueline 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

1957

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. LANDMARKS 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 Sheal 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

1957

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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
41691 and 41692
41713 and 41714
41728 and 41729

51994 thru 52006
52029 thru 52035
52037B thru 52041
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
LINE, 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
Carto. Photo. Aid

LIST OF CONTROL NOT IDENTIFIED

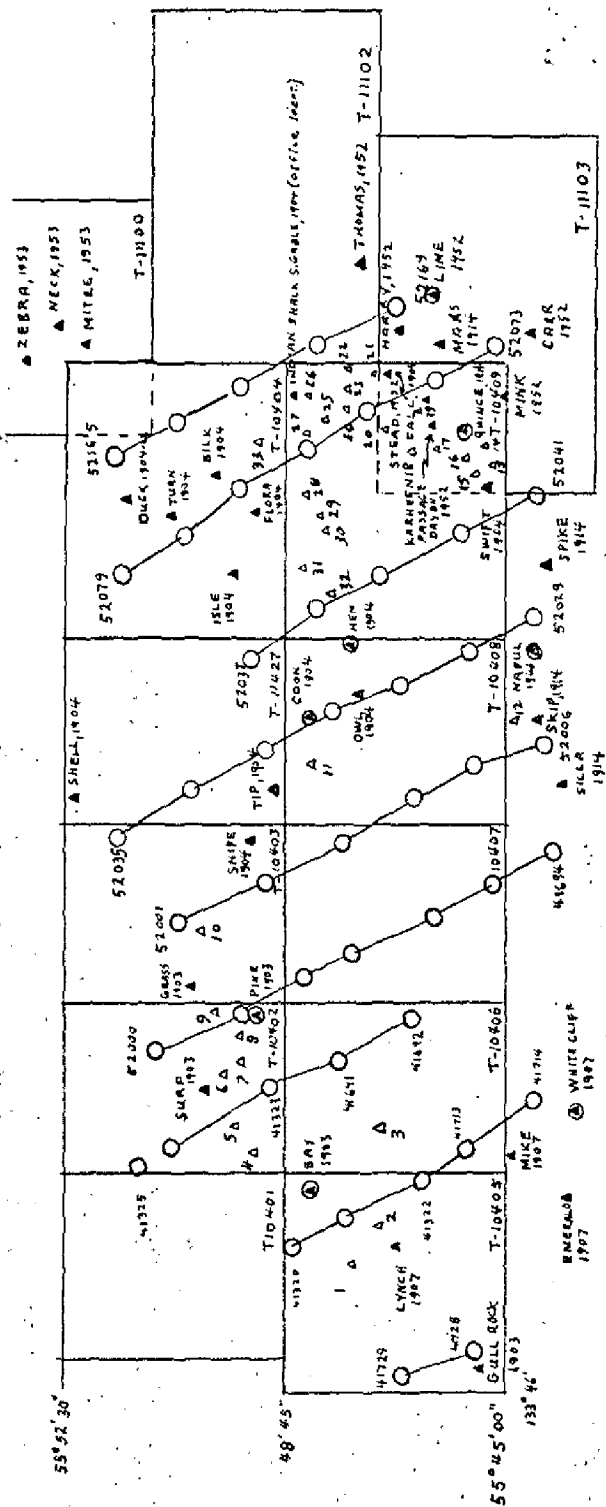
Project 27070 (6087)

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

LAYOUT SKETCH PROJECT 27070

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



- Nine lens photographs
- △ Control stations (identified & held in plot)
- △ Control stations (not identified)
- ③ Control stations (identified but not held in plot)

SCALE OF MAP 1:10,000

SCALE FACTOR

| | | | | | |
|----------------------|-----------------------------|---------------|-----------------------------------|----------------|--------------|
| 1 FT = 3048006 METER | COMPUTED BY: B. Kups | DATE: 1/29/55 | CHECKED BY: F. M. Wielecki | DATE: 11/29/55 | COMM-DC-5784 |
|----------------------|-----------------------------|---------------|-----------------------------------|----------------|--------------|

-8- 14

COMPILATION REPORT

T-10402

The Field Inspection Report and Photogrammetric Plot Report are part of Descriptive Report, T-10403.

31. DELINEATION

This survey was delineated by graphic methods. Delineation was done before field inspection and by office interpretation of photography taken near high tide.

32. CONTROL

The identification, density and placement of horizontal control was adequate.

LEAN, 1907 falls in an area shown as deep water on present charts. This station is not described and position is unchecked. The position could possibly be in error.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline of Port Alice was office interpreted and verified or corrected where necessary by field inspection done during hydrographic surveys.

Limits of rock ledge and approximate low water lines were by office interpretation of photographs taken at low tide. Low water photography was available for the area of Port Alice Only.

At Surf Point and to the southwest, the foul line symbol was used to delineate areas of kelp and ledges which appeared on the high tide photography.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made and are in agreement with T-10406 to the south, and T-10403 to the east. The junctions with the limits of T-10401 to the west and T-10396 to the north are in all-water areas.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 - 45. Not applicable.

46. COMPARISON WITH EXISTING MAPS

This survey has been compared with USGS CRAIG quadrangle, 1951 edition, scale 1:63,360.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 8171, scale 1:40,000, published 9 January 1956.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
22 October 1958

Frank J. Tarcza

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

Approved and forwarded

William F. Deane
William F. Deane,
CDR C&GS
Baltimore District Officer

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-87 (Davidson Inlet, Alaska)

T-10402

Davidson Inlet

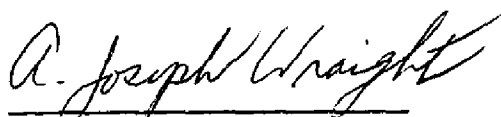
Heceta Island

Iphigenia Bay

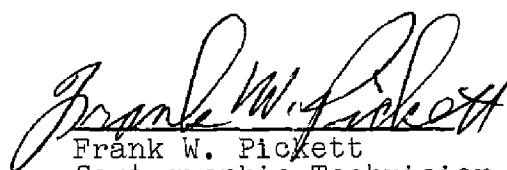
Port Alice

Surf Point

Approved by:

A. Joseph Wraight
Chief Geographer

Prepared by:

Frank W. Pickett
Cartographic Technician

T-10402

NOTES TO REVIEWER

The field edit corrections were made by Cartographic Branch in Washington (see instructions 15 July 1958) and map manuscript was not returned to Baltimore.

This report needs to be completed in several items:

1. Page 3 - "Reviewed by" - there was no complete photogrammetric review in Baltimore.
2. Page 4 - "Stations searched for" and "recovered".
3. Aids to Navigation (item 37). No information was received on Surf Point Light.
4. Station LEAN, 1903 - was this station found or searched for by hydrographic party? (Item 32).
5. "Field edit" corrections were made in Washington and a page with supplemental notes should be added to this report concerning those changes made by the Cartographic Branch. *See below*

1- No record of photogrammetric office review

2- Entered by Final Reviewer

3- Not visible on photos - located by hydrographer

4- Removed by Final reviewer - bad G.P.

5- No record.

↑

Beugnots notes

PHOTOGRAMMETRIC OFFICE REVIEW

~~T-10363~~ T-10402

| | | | |
|---|--|---|---|
| 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 F. 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 Final Reviewer</i> | | | |

REVIEW REPORT T-10402
SHORELINE
MARCH 10, 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. The survey was originally compiled as an incomplete manuscript. After field inspection in September 1957 the manuscript was corrected and classified as advance.
Refer to page G-4

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

There were no previous registered topographic surveys available for comparison purposes at the time of final review.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

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

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of reviewed surveys H-8286, H-8287 and H-8443. Survey H-8443 is the only survey of these three that is effected by the land area of T-10402. The shoreline for H-8443 was evidently obtained from a copy of T-10402 and there are therefore no discrepancies in the shoreline between the two surveys.

Because of the stage of tide at the time of photography and large areas of heavy kelp, very few of the rocks located by the hydrographer could be verified photogrammetrically. Those rocks shown on the hydrographic survey which are not visible on the photographs have been indicated on the comparison print in purple.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with chart 8171, 8th edition, June 10, 1968. As stated in item 64 the stage of the tide and areas of heavy kelp prevented location of many of the rocks photogrammetrically. Rocks appearing on the chart

which are not visible on the photographs have been noted on the comparison print in red.

Several of the rocks shown on survey H-8443 do not appear on the chart. These have been noted on the comparison print.

Surf Point Light located near latitude $55^{\circ} 49' 57''$ longitude $133^{\circ} 37' 47''$ is not visible on the photographs and is not shown on this survey. It was evidently located by the hydrographer and is shown on H-8443.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with instructions and meets the National Standards of Map Accuracy. *Refer to page 6-7*

Field photographs 41³23, 51998, 51999 and office photographs 41322 thru 41324 and 51998 thru 52000 were used for final review.

Approved by:

Reviewed by:

Fes *P. A. Stark*
Allen L. Powell, RADM USESSA
Director, Atlantic Marine Center

Leo F. Beugnet
Leo F. Beugnet

Approved by:

Charles H. Hume
Chief, Photogrammetric Branch *JMS*

R. H. Houtch
Chief, Photogrammetry Division

Chief, Nautical Chart Division

55° 50' 00"

IPHIGENIA
BAY

CLIFF 1903

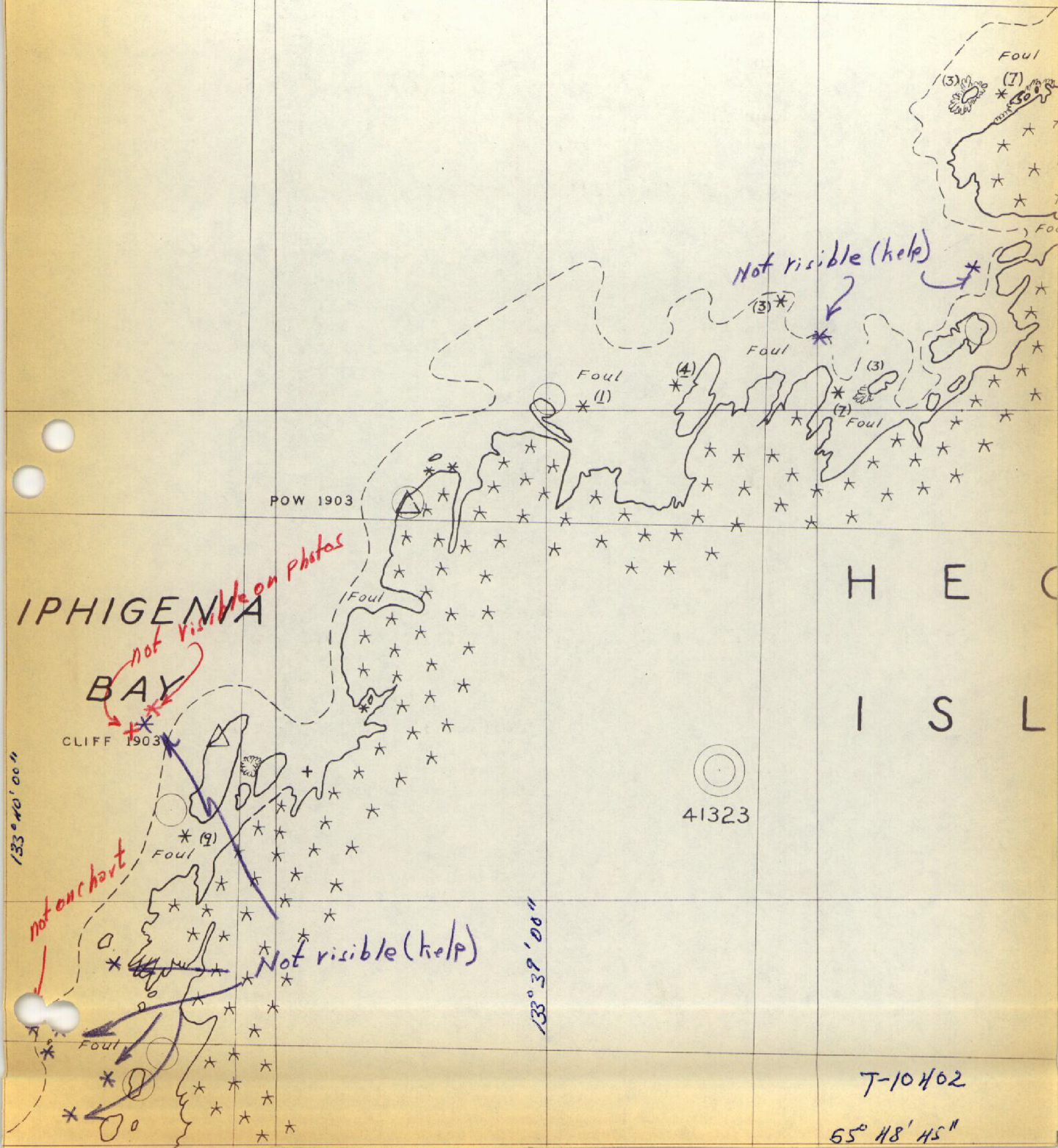
POW 1903

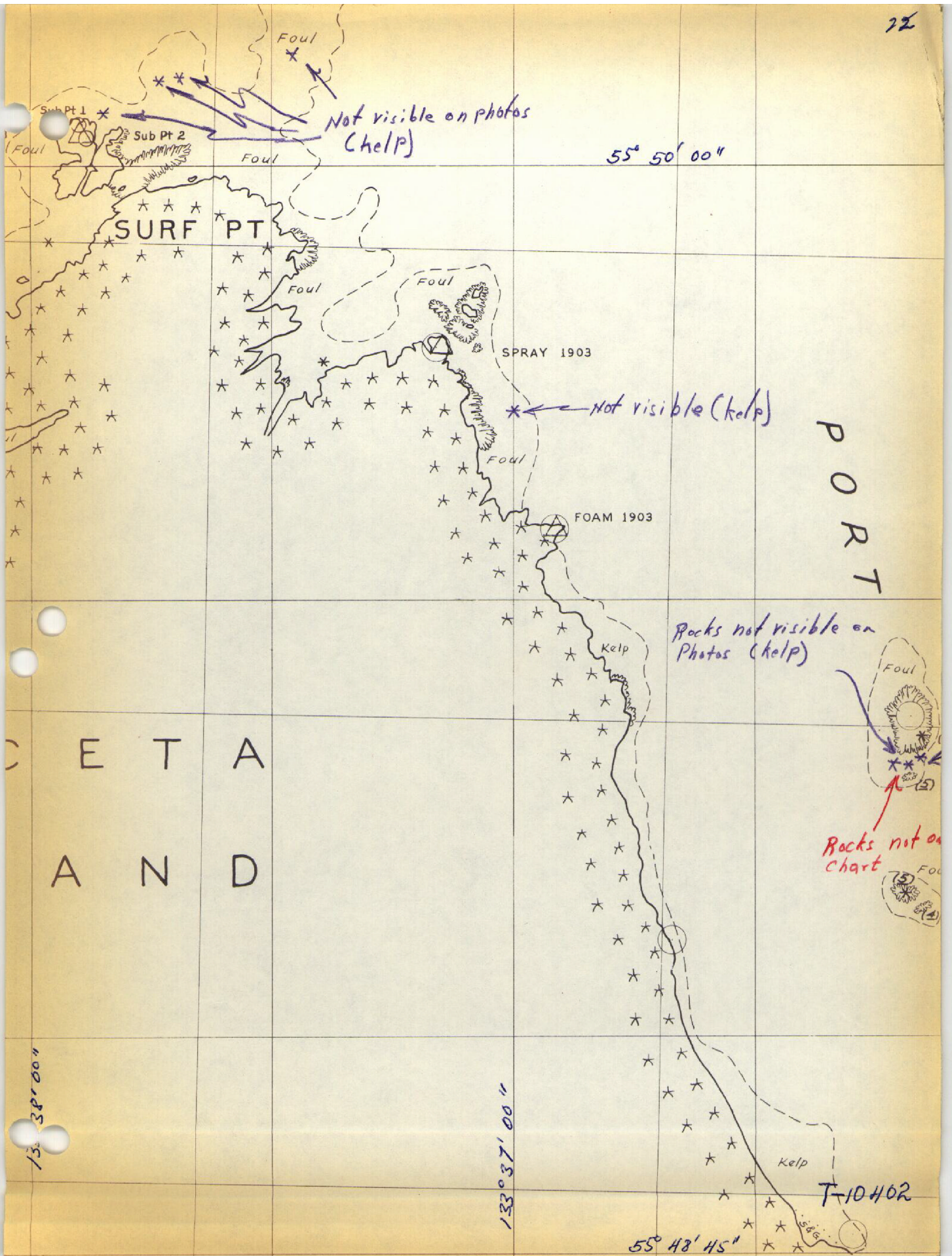
H E C
I S L

41323

T-10402

65° 48' 45"





JOINS SURVEY NO. T-104

55° 50'

Not visible on photos
(kelp)

Foul

Foul

CORN 1903

Foul

51999

PINE 1903

Not visible on photos
(kelp)

Kelp

Kelp

Kelp

Kelp

Kelp

Foul

SHORELINE MANUSCRIPT
T-10402

SCALE 1:10,000

HECETA ISLAND
SURF POINT

POLYCONIC PROJECTION
UTM ALASKA GRID ZONE 8
HORIZONTAL DATUM: N.A. 1927

49'

133° 35' 00"

T-10402

55° 48' 45"

unchart

ALICE