Form 504
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Shoreline (Photogrammetric)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field No.</td>
<td>Office No. T-10405</td>
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<table>
<thead>
<tr>
<th>LOCALITY</th>
</tr>
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<tbody>
<tr>
<td>State</td>
</tr>
<tr>
<td>General locality</td>
</tr>
<tr>
<td>Locality</td>
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</tbody>
</table>

| 1953 - 1958 |

CHIEF OF PARTY
J. E. Waugh, Chief of Field Party
W. F. Deane, Baltimore District Office

LIBRARY & ARCHIVES

DATE

USCGODC 5087
DESCRIPTIVE REPORT - DATA RECORD

T - 10405 and T-10406

Project No. (II): Ph-87

Field Office (II): CGS Ship HODGSON

Photogrammetric Office (III): Baltimore, Md.

Instructions dated (II) (III): Office: 13 Nov. 1956
30 Oct. 1957
15 July 1958
26 Sept. 1958

Chief of Party: J. E. Waugh

Officer-in-Charge: W. F. Deane

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): 9

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date: Date registered (IV):

Publication Scale (IV):

Geographic Datum (III): N.A. 1927

Publication date (IV):

Vertical Datum (III): MHW

Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): LYNCH, 1907

Lat.: 55° 46' 52.946" (1637.5 m) Long.: 133° 42' 01.013" (17.7 m)

Adjusted

Plane Coordinates (IV):

State: Alaska UTM Zone: 8

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.
Field Inspection by (II): L. D. Thurman

Planetable contouring by (II):

Completion Surveys by (II): R. D. Bernard

Mean High Water Location (III) (State date and method of location): Office interpretation of photographs taken July 1953; August 1955 and August 1956.

Projection and Grids ruled by (IV): A. Riley

Projection and Grids checked by (IV): H. D. Wolfe

Control plotted by (III): J. E. Tolodziecki
E. L. Williams

Control checked by (III): A. Queen
L. A. Senasack

Radial Plot or Stereoscopic: L. A. Senasack
Control extension by (III): E. L. Williams

Planimetry

Stereoscopic Instrument compilation (III):
Contours

Manuscript delineated by (III): B. Wilson
J. Honick

Photogrammetric Office Review by (III): R. Glaser

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

Date: 1957

Date: 1956

Date: 1958

Date: 1/12/56

Date: 1/18/56

Date: 7/2/56
   2/13/57

Date: 7/2/56
   2/18/57

Date: 3/12/57
   1/20/58

Date: 9/14/58

Date: 10/27/58
DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS Nine-lens

PHOTOGRAPHS (III)

<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
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<tbody>
<tr>
<td>h1320 thru h1323</td>
<td>7/25/53</td>
<td>1254</td>
<td>1:10,000</td>
<td>8.6' above MLW</td>
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<tr>
<td>h1690 &amp; h1692</td>
<td>8/22/53</td>
<td>1358</td>
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<tr>
<td>h1713 &amp; h1714</td>
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<td>1430</td>
<td>n</td>
<td>6.4' n</td>
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<tr>
<td>h1728 &amp; h1729</td>
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<td>1440</td>
<td>n</td>
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<td>51998</td>
<td>8/22/55</td>
<td>0910</td>
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<td>54608 thru 54611</td>
<td>8/12/56</td>
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Tide (III)

From Predicted tide tables

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<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tbody>
<tr>
<td></td>
<td>7.7</td>
<td>8.7</td>
</tr>
<tr>
<td></td>
<td>9.9</td>
<td>10.8</td>
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Reference Station: Sitka
Subordinate Station: Port Alice

Washington Office Review by (Initials): 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): 15 mi
Shoreline (Less than 200 meters to opposite shore) (III): 2 mi
Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 2
Number of BMs searched for (II): Recovered: 2 Identified: 2
Number of Recoverable Photo Stations established (III):
Number of Temporary Photo Hydro Stations established (III):
<table>
<thead>
<tr>
<th>Compilation Record</th>
<th>Completion Date</th>
<th>Remarks</th>
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<tr>
<td>Compiled (incomplete)</td>
<td>1957</td>
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<tr>
<td>Field Edit</td>
<td>August 1958</td>
<td></td>
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<tr>
<td>Compilation corrected</td>
<td>September 1958</td>
<td></td>
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<tr>
<td>Final Review</td>
<td>March 1969</td>
<td></td>
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SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10405

Shoreline survey T-10405 is one of 58 similar surveys in Project PH-87. It covers part of the shoreline of Iphigenia Bay in the vicinity of Cape Lynch. See page 5 for the area within the project.

This survey was originally compiled as an incomplete manuscript. After field edit in July and August of 1958 the manuscript was corrected and classified advance.

Compilation was by graphic methods at 1:10,000 scale using the nine-lens photographs of July and August 1953 and of August 1956. A cronaflex copy of the manuscript along with a blueline tracing, ozalids and specially prepared photographs were subsequently furnished for preparation of the boat sheet, field edit and location of photo-hydro signals.

The manuscript was a vynylite sheet 3 3/4 minutes in latitude by 6 minutes in longitude which was drafted and reproduced on cronaflex. One cronaflex positive and a negative are forwarded for record and registry.
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
GUL 1904  BAY 1903  SILLA 1914
COON 1904  LYNCH 1907  SKIP 1914
TIP 1904  GULL ROCK 1903-21  NAPUL 1914
SNIP 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.).


Respectfully submitted,

James P. Randall,
Lt.(jg), USCGGS

Approved and forwarded:

Robert A. Earle,
CDR, USCGGS
Comdg., Ship HODGSON
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° 57' 00", Long. 133° 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° 46' 15", Long. 133° 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 gypco 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) FEBB 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 doltaic 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 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:

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.

(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,
Ens., C&G

Approved and forwarded:

B. W. Richards,
LCdr, C&G
Comdg., Ship HODGSON
PHOTOMETRIC 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 41711 | 52037 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-10h01. 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
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. FOW, 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. AKON, 1914
17. SURF, 1914
18. BAYO, 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 and held in plot)
▲ Control stations (not identified)
▼ Control stations (identified but not held in plot)

55°53'30" NS
48°45'" W E
55°05'00" NS
135°54' WE

13°56' WE
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<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<td>BAY, 1903</td>
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1 FT = 0.3048006 METER

COMPUTED BY: L. A. Senasack
DATE: 11 Jan. 1956

CHECKED BY: H. R. Rudolph
DATE: 13 Jan. 1956
COMPILATION REPORT
T-10405 & T-10406

The photogrammetric plot reports covering these surveys are made as parts of Descriptive Reports T-10403 and T-10570. There was no field inspection prior to compilation, but refer to Item 51 for field edit report.

31. DELINEATION

These surveys were delineated by graphic methods. Delineation was by office interpretation of nine-lens photographs.

32. CONTROL

The identification, density and placement of control are adequate. SOUTH POINT, LOW BLACK POINT, 1903 plots in an area that appears to be kelp and covered at high water. No image of a rock was visible and existence of the station has not been verified. The position of this station is unchecked.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.
Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

There was no inspection. However, the shoreline delineation is considered to be accurate because photography was near mean high water. In a few small areas where shadows and relief displacement made interpretation doubtful, corrections were made by the field editor.

The ledge and foul areas adjoining the shoreline are delineated or interpreted from high water photography and are necessarily incomplete.

Low water lines and ledge limits in Port Alice are delineated from low water photography.

Elevations of islets and rocks awash were furnished by the field editor.

36. OFFSHORE DETAILS

The foul line symbol was used to indicate those few areas of kelp and rocks visible underwater on the high tide photography.

* Refer to Data Record and Field Inspection Reports included in this Descriptive Report.
37. **LANDMARKS AND AIDS**

Form 567 was previously submitted for one aid to navigation.

38. **CONTROL FOR FUTURE SURVEYS**

None.

39. **JUNCTIONS**

Junctions are in agreement with T-10571 and T-10572 to the south and T-10402 to the north. To the west is an all water area. Junction with T-10401 to the north is all water also. There is no shoreline where the limits join T-10407 to the east.

40. **HORIZONTAL AND VERTICAL ACCURACY**

No comment.

41 - 45. Not applicable.

46. **COMPARISON WITH EXISTING MAPS**

Comparison was made with USGS CRAIG quadrangle edition of 1952, scale 1:250,000, and with USGS CRAIG (D-5) Alaska quadrangle, 1951 edition, scale 1:63,360.

47. **COMPARISON WITH NAUTICAL CHARTS**

This survey was compared with chart 8171, scale 1:40,000, published 9 January 1956 and chart 8157, scale 1:40,000, published June 1929 and corrected to August 1951.

Items to be applied to nautical charts immediately: None.
Items to be carried forward: None.

Respectfully submitted
20 October 1958

[Signature]

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 (Iphigenia Bay, Alaska)
T-10405

Cape Lynch
Cone Bay
Gull Island
Heceta Island
Iphigenia Bay
Losa Island
Slide Reef

Approved by:
A. Joseph Wraight
Chief Geographer

Prepared by:
Frank W. Pickett
Cartographic Technician
PHOTOGRAMMETRIC OFFICE REVIEW
T-10405 & T-10406

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. Planetary 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
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:
FIELD EDIT REPORT
T-10405, T-10406, T-10572

51 METHODS

The shoreline was field edited in areas where there was uncertainty as to its location, by either walking along the beach, or from a small boat where landing was impracticable.

All additions and corrections to the manuscripts are referenced to the photographs on a paper copy of the manuscript, except for the field edit done on the north end of T-10572. The field edit in this area was referenced with blue pencil on a paper copy of T-10406, since no paper copy of T-10572 was available. All offshore rock elevations are noted on the field photographs only. The stage of the tide is noted on the field photographs at each location of offshore rocks, and the elevation of the rocks is pencilled on the field photographs in pending verification in the Photogrammetric Office. The tides are referenced to Port Alice gage.

The area in the southern tip of Port Alice was field edited as suggested in letter of 15 July 1958, Ref. 732/rrj, on Manuscript T-10406, and is included in this report.

Field edit was also done in the area between Losa Island and Gull Island on Manuscript T-10405. The location of three offshore rocks that were noted as approximate positions on T-10405 were located by sextant with the objects and sextant angles entered on the reverse side of Field Photograph 41729.

No legend as to colored inks or symbols is necessary.

Standard field inspection practices were followed.

Field photographs 41320 thru 41324, 51998 thru 52000, and 41729 were used for field edit, with paper copies of Manuscripts T-10405 and T-10406.

52 ADEQUACY OF COMPILATION

The compilation will be complete and adequate after application of the field edit notes.

53-55 INAPPLICABLE

[Signature]
Ronald D. Bernard
LTJG, C&GS

Approved and Forwarded

[Signature]
J. E. Waugh
CDR, C&GS
C. O., HODGSON
61. **GENERAL STATEMENT:**

See Summary which is page 6 of the Descriptive Report.

62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:**

Comparison was made with a copy of registered survey No.3407, a 1:20,000 scale survey made in 1913. The shoreline of that survey is not in good agreement with T-10405 in the area common to the two surveys, nor are the rocks in agreement. Survey T-10405 supersedes the prior survey for nautical chart construction purposes.

63. **COMPARISON WITH MAPS OF OTHER AGENCIES:**

Comparison was made with USGS CRAIG (D-6), ALASKA, 15x20 minute quadrangle, 1:63,360 scale, edition of 1951. The two surveys are in fair agreement. Much of the intricate shoreline has been generalized on the USGS quadrangle because of its scale.

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:**

From the area of Cape Lynch, near latitude 55° 47.0', northward to the limits of this survey comparison was made with a copy of reviewed survey H-8443. There is no contemporary survey south of this point.

The stage of the tide at the time of photography and large areas of kelp prevented the location of some rocks photogrammetrically. Rocks located by the hydrographer that 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 8157, 6th edition, February 21, 1966. The shoreline of the chart and survey T-10405 is not in good agreement. Because of the stage of the tide at the time of photography and large areas of kelp many of the rocks shown on the chart are not visible on the photographs. Registered survey No.3407 is evidently not the only source for rocks appearing on the chart. All differences between the chart and T-10405 have been indicated 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.

Field photographs 41321, 41713, 41728, 41729, and office photographs 41322, 41713, 41728, 41729 and 54609 thru 54611 were used during final review to review the survey.

Approved by: 

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

Reviewed by:

Leo P. Beugnet

Approved by:

Chief, Photogrammetric Branch

Chief, Photogrammetry Division

Chief, Nautical Chart Division
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks be charted on the charts indicated.

The positions given have been checked after listing by F. J. Tarcza

<table>
<thead>
<tr>
<th>STATE</th>
<th>ALASKA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>LIGHT</td>
<td>Cape Lynch Light</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>POSITION</th>
<th>METHOD OF LOCATION AND SURVEY NO.</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATITUDE°</td>
<td>LONGITUDE°</td>
<td>DATUM</td>
<td>D.S. METERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>53.31</td>
<td>59.99</td>
<td>NA</td>
<td>T-10405</td>
</tr>
</tbody>
</table>

Source: Sextant angle and distance measured from LYNCH, 1907 on 25 June 1956.

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if reetermined, shall be reported on this form. 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