

10405

ORIGINAL

10405

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey Shoreline (Photogrammetric)	
Field No.	Office No. T-10405
LOCALITY	
State	Alaska
General locality	Heceta
Locality	Cape Lynch
1953-1958	
CHIEF OF PARTY	
J. E. Waugh, Chief of Field Party	
W. F. Deane, Baltimore District Office	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

DESCRIPTIVE REPORT - DATA RECORD

T - 10405 and T-10406

Project No. (II): Ph-87

Quadrangle Name (IV):

Field Office (II): C&GS Ship HODGSON

Chief of Party: J. E. Waugh

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: W. F. Deane

Instructions dated (II) (III): Office: 13 Nov. 1956
30 Oct. 1957
15 July 1958
26 Sept. 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): 3

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): LYNCH, 1907

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

Adjusted
~~1637.5 m~~

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): ~~FOR~~ *J. P. Rondell (Control operations)* 1956
L. D. THURMAN Date: 1957

Planetable contouring by (II): ~~L. D. THURMAN~~ Date:

Completion Surveys by (II): R. D. Bernard Date: 1958

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 Date: 1/12/56

Projection and Grids checked by (IV): H. D. Wolfe Date: 1/18/56

Control plotted by (III): J. E. Tolodziecki Date: 7/2/56
E. L. Williams 2/13/57

Control checked by (III): A. Queen Date: 7/2/56
L. A. Senasack 2/18/57

Radial Plot or Stereoscopic L. A. Senasack Date: 3/12/57
Control extension by (III): E. L. Williams 1/20/58

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

Manuscript delineated by (III): B. Wilson Date: 9/14/58
J. Honick

Photogrammetric Office Review by (III): R. Glaser Date: 10/27/58

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

DESCRIPTIVE REPORT - DATA RECORD

3

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
41320 thru 41323	7/25/53	1254	1:10,000	8.6' above MLLW
41690 & 41692	8/22/53	1358	"	7.2' " "
41713 & 41714	"	1430	"	6.4' " "
41728 & 41729	"	1440	"	6.1' " "
51998	8/22/55	0910	"	1.4' " "
54608 thru 54611	8/12/56	1513	"	6.5' " "

Tide (III)

From Predicted tide tables

Reference Station: **Sitka**
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): **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**

Recovered: **2**

Identified: **2**

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

COMPILATION RECORD	COMPLETION DATE	REMARKS
<i>Compiled (incomplete)</i>	<i>1957</i>	
Field Edit	August 1958	
Compilation corrected	September 1958	
Final Review	March 1969	

SHORELINE MAPPING PROJECT PH. 87

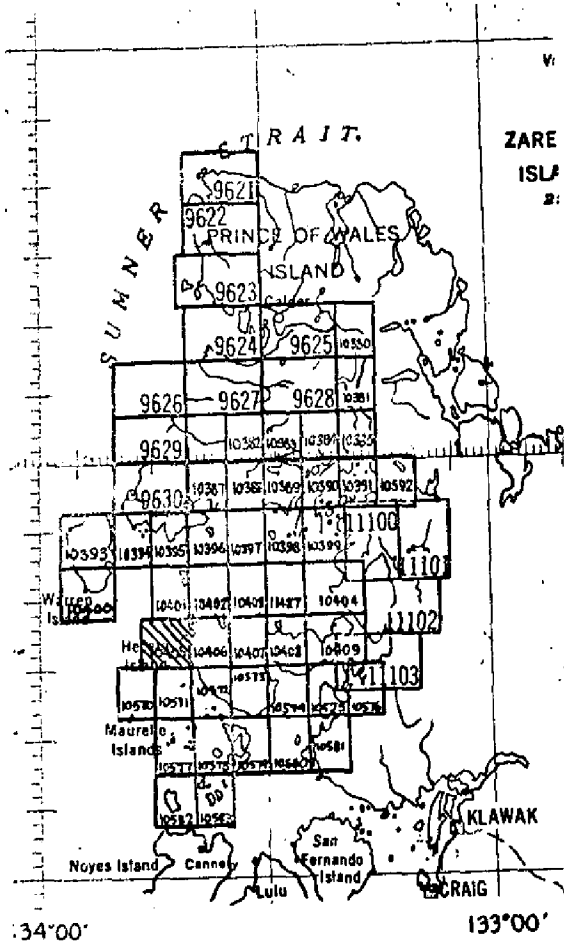
5

Prince of Wales Island, Alaska

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	2	2
10402	2	3
10403	3	3
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

432

378

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 vinylite 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
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. Blue-line Tracings and Black-line 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 gyppo 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 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
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.

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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 templets that some difficulty was encountered in trying to adjust the templet 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

LIST OF CONTROL NOT IDENTIFIED

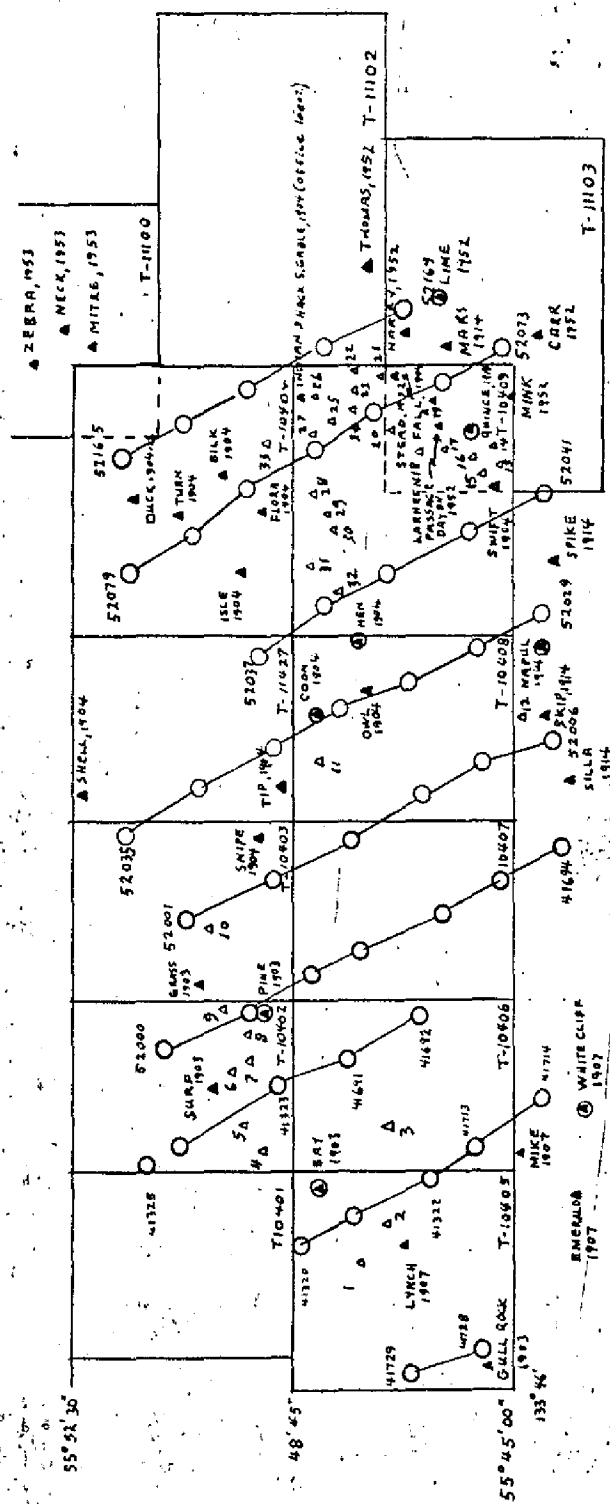
Project 27070 (6087)

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)
- ② Control stations (identified but not held in plot)

MAP T-10405

PROJECT NO. Ph-87

SCALE OF MAP 1:10,000

SCALE FACTOR

[illegible]

COMPILATION REPORT

T-10405 & T-10406

The photogrammetric plot reports covering these surveys ¹⁵are made ^a 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

^{* See below}
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.*

ds

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

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 (Iphigenia Bay, Alaska)
T-10405

Cape Lynch

Cone Bay

Gull Island

Heceta Island

Iphigenia Bay

Losa Island

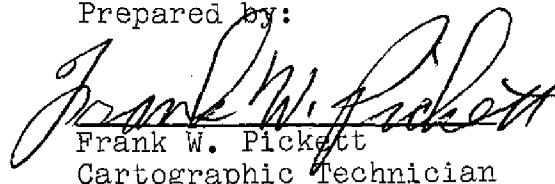
Slide Reef

Approved by:



A. Joseph Wraight
Chief Geographer

Prepared by:



Frank W. Pickett
Cartographic Technician

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PHOTOGRAMMETRIC OFFICE REVIEW

T-10405 & T-10406

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

4a. Classification label ☒

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 along-shore 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. P. Blasen
Reviewer

Joseph H. Hildrey
Supervisor, Review Section of 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:

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 red 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

Ronald D. Bernard
Ronald D. Bernard
LTJG, C&GS

Approved and Forwarded

J. E. Waugh
J. E. Waugh
CDR, C&GS
C. O., HODGSON

REVIEW REPORT T-10405
SHORELINE
MARCH 28, 1969

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 41320 thru 41322, 41713, 41728, 41729 and 54609 thru 54611 were used during final review to review the survey.

Approved by:

Reviewed by:

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

Leo F. Beugnot
 Leo F. Beugnot

Approved by:

Charles L. Hearn
 Chief, Photogrammetric Branch *ad*

R. H. Houlton
 Chief, Photogrammetry Division

Chief, Nautical Chart Division

TO BE CHARTED

Baltimore, Maryland

28 January, 1958

I recommend that the following objects which have ~~not been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(the charts)~~ the charts indicated.

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

William F. Deane *Chief of Party.*

[illegible]

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