

10381

10381

FORM C&GS-504	
U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE (PHOTOGRAMMETRIC)
Field No.	Office No. T-10381
LOCALITY	
State	ALASKA
General locality	EL CAPITAN PASSAGE
Locality	DEVILFISH BAY
1953-1957	
CHIEF OF PARTY E.W. Richards, Chief of Field Party William F. Deane, Baltimore District Ofc.	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 10381

PROJECT NO. (II): PH-87		
FIELD OFFICE (II): C&GS Ship HODGSON		CHIEF OF PARTY E.W. Richards
PHOTOGRAMMETRIC OFFICE (III): Baltimore, Maryland		OFFICER-IN-CHARGE William F. Deane
INSTRUCTIONS DATED (II) (III): Nov. 7, 1955 Nov. 13, 1956 July 15, 1957		
METHOD OF COMPILATION (III): GRAPHIC		
MANUSCRIPT SCALE (III): 1:10,000		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): N.A. 1927		VERTICAL DATUM (III): MHW MEAN LOW WATER 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): BAY, 1922		
LAT.: 56° 05' 32.089"	LONG.: 133° 18' 12.952"	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
PLANE COORDINATES (IV): X =		STATE Alaska
		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.		

DESCRIPTIVE REPORT - DATA RECORD

T-10381

FIELD INSPECTION BY (III): J. P. RANDALL (CONTROL OPERATIONS) J. P. Randall (CONTROL OPERATIONS & EDIT OF INCOMPLETE MANUSCRIPT)		DATE: 1956 April 1957
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): 1953 photography supplemented by field inspection in 1957.		
PROJECTION AND GRIDS RULED BY (IV): J. Chaconas		DATE 11-08-56
PROJECTION AND GRIDS CHECKED BY (IV): H. D. Wolfe		DATE 11-08-56
CONTROL PLOTTED BY (III): E. L. Williams		DATE 01-14-57
CONTROL CHECKED BY (III): L. A. Senasack		DATE 01-14-57
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): E. L. Williams		DATE 01-29-57
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): B. Wilson and R. M. Whitson		DATE * See below 03-08-57
SCRIBING BY (III):		DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser		DATE 08-27-57
REMARKS: * FIELD EDIT CORRECTIONS APPLIED IN AUG. 1957 - REFER TO COMPILATION REPORT.		

DESCRIPTIVE REPORT - DATA RECORD

T-10381

CAMERA (KIND OR SOURCE) (III):

Nine-lens Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
41636	08-22-53	1256	1:10,000	8.2' above MLLW
41652 thru 41654	08-22-53	1315	1:10,000	8.1' above MLLW
41676 thru 41677	08-22-53	1333	1:10,000	7.7' above MLLW

TIDE (III)

FROM PREDICTED TIDE TABLES

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Sitka, Alaska		7.7	9.9
COORDINATE STATION: Cyrus Cove		8.8	10.9
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, Atlantic Marine Ctr.

DATE: Oct. 1968

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 3

RECOVERED: 3

IDENTIFIED: 3

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

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

1

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

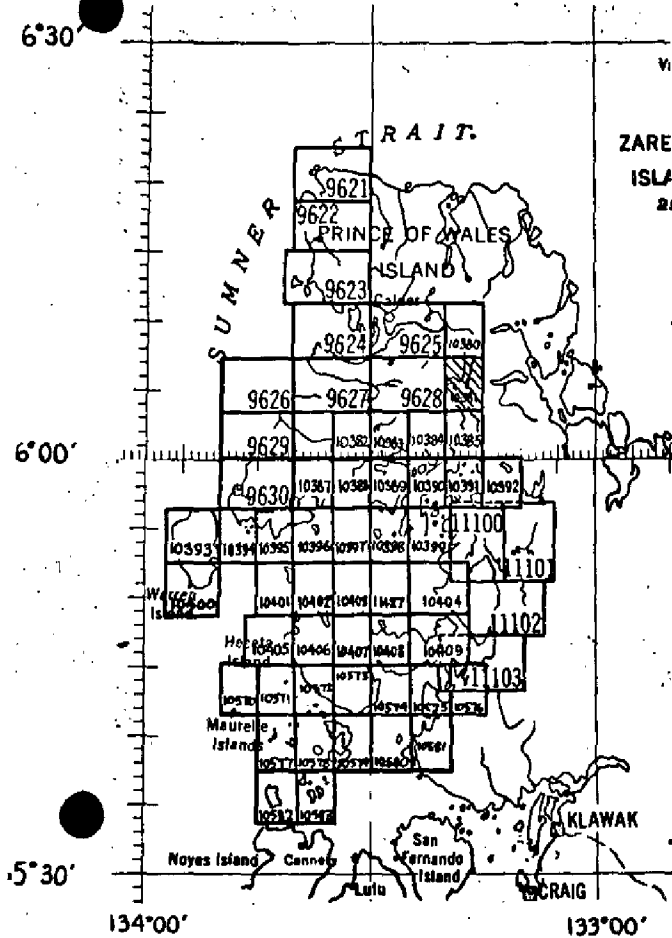
REMARKS:

T-10381

COMPILATION RECORD	COMPLETION DATE	REMARKS
COMPILED (INCOMPLETE) Compiled(ADVANCE)	1956 AUG. Mar. 1957	SUPERSEDED SUPERSEDED
Final Review	Oct. 1968	

Prince of Wales Island, Alaska

5



Project Ph-87 Official Mileage for Cost Accounts

Sheet No.	Area Sq. Mi.	Lin. Mi. Shoreline
9621	12	10
9622	16	11
9623	15	7
9624	17	12
9625	21	11
9626	4	5
9627	15	15
9628	14	2
9629	5	6
9630	7	6
11100	32	16
11101	9	8
11102	18	10
11103	16	15
10380	6	4
10381	5	10
10382	8	2
10383	6	8
10384	7	5
10385	4	8
10386	9	1
10387	6	7
10388	3	6
10389	7	12
10390	6	16
10391	4	12
10392	8	7
10393	12	10
10394	2	4
10395	5	8
10396	2	4
10397	1	1
10398	3	5
10399	4	11
10400	6	8
10401	1	2
10402	2	3
10403	3	6
111427	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	4
10576	7	2
10577	1	1
10578	2	2
10579	4	6
10580	2	2
10581	12	9
10582	2	6
10583	2	5

TOTAL 412 378

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT T-10381

Shoreline survey T-10381 is one of 58 similar surveys in project PH-87. It covers the shore of El Capitan Passage in the vicinity of Devilfish Bay. The primary purpose of the survey was to provide new shoreline for nautical charts and photo-hydro support for hydrographic surveys.

This manuscript was evidently originally compiled as an incomplete manuscript. In the spring of 1957 field inspection was accomplished, the manuscript corrected and classified as Advance.

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

The manuscript is a vinylite sheet 3 3/4 minutes in latitude by 5 minutes in longitude which was smooth drafted and reproduced on cronaflex. One cronaflex positive and one negative are forwarded for record and registry.

FIELD INSPECTION REPORT

EL CAPITAN PASSAGE

1956

(1957 REPORT - PAGE 8)

NO OTHER SECTION APPLICABLE.

3. HORIZONTAL CONTROL:

All triangulation stations on Manuscripts 10380, 10381, 10385, 10390, and 10391, for which photographic identification was required, were recovered and pricked on photographs; along with others that were not specified.

Stations identified were as follows:

POINT 1922	LOR 1922	SARKAR 1953
GRASS 1922	EL 1922	BROCKMAN 1922
LAST 1922	CAP 1922	NAT 1922
FISH 1922	TAN 1922	EGG 2 1922
BAY 1922	DEWEY 1922	WHITE 1922
DEVIL 1922	BURNT IS. LIGHT 1953	

14. SUPPLEMENTAL DATA:

Forwarded to the Director:

1. Control Station Identification Cards forwarded 16 October via transmitting letter HDG-56-13.
2. Nine Lens Office Photographs forwarded 16 October via transmitting letter HDG-56-13.
3. Nine Lens Field Photographs forwarded 22 October via Transmitting letter HDG-56-14.
4. Blueline Tracings and Blackline Impressions forwarded 23 October via transmitting letter HDG-56-14.

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

FOR

DEVILFISH BAY AND PART
OF EL CAPITAN PASSAGE

1957

MANUSCRIPTS NO'D.

T-9625

T-9628

T-10380

T-10381

2. Areal Field Inspection

This report covers the northern third of El Capitan Passage from Fontaine Island, Shakan Strait, east and south to and including Devilfish Bay.

Rock outcroppings are, in general, metamorphic limestones and shales.

A black scale covers all alongshore outcroppings, and boulders, and shows as a distinctive black line, on the photographs. The bottom of this line very closely approximates the mean high water line.

At the western entrance to El Capitan Passage, on the islet ENE of station PASS 1922, is a small building in fair condition. Its origin and use are unknown.

On the next island to the north, location of photo-hydro station "DAD", is a cemetery which was most probably used by the abandoned quarry that lies three fourths of a mile to the northeast.

In the shallow bight immediately west and south of Dry Pass, are the ruins of a former mining operation.

The ruins of a mining operation located on the northwest side of El Capitan Passage, at the "dog leg", and symbolized on Chart 8172 was denoted.

Densities and tones were not, in general, inspected inshore of the high-water line. It was noted however that alder, show as a low (10 to 15 feet) dark, globular color tone paralleling the beach in front of the lighter conifers.

3. Horizontal Control

(d - f) Station POINT 1922, listed as not positively identified in 1956 was reidentified.

Station BAY 1922-57, which was misidentified in 1956, was reidentified.

Station LAST 1922, was recovered and identified.

4 & 5.- Inapplicable

6. Woodland Cover

All land areas not covered by storm high waters were densely wooded with conifers and underbrush with the exception of muskegs, small logged areas, and the higher mountains.

7. Shoreline and Alongshore Features

The shoreline was inspected from the beach at all photo-hydro signal 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.
- b. In the extensive areas of shadow along the southern shores of El Capitan Passage and Devilfish Bay, sextant fixes were taken and recorded on the back of the photographs. A close approximation of the mean high water line was drawn on the photographs to better enable the office personnel to determine the shape of the shoreline.

In the smaller shadowed areas the shoreline was readily discernable and was delineated directly on the photographs.

The shoreline, in the deltaic flats, east of Dry Pass, was identified as called for in the Preliminary Descriptive Report.

The error in the previous field identification of the mean high water line in Shakan Straits, was noted and corrected.

- b. The low water line corresponds closely with the darker color tone at the outer edge of alongshore and offshore shoal features.
 - c. The foreshore consists of rock outcrops and boulders, with the exception of the deltaic muds and gravels at the mouths of the larger streams.
- There were no sandy areas of any extent.
- d. There were no cliffs or bluffs of note.
 - e. The log boom symbolized on Chart 8172 was not discernable on the photographs. It was located by sextant fixes on photo-hydro signals and plotted on the manuscript T-9625. The angles were recorded on the reverse side of the photograph.

8. Offshore Features

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

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

All heights were estimated and depths measured.

Within the area covered by this report, there were no kelp patches.

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.

9. Landmarks and Aids

There were no landmarks of importance within this area.

The one fixed and five floating aids covered by this report are:

<u>NAME</u>	<u>METHOD OF LOCATION</u>
Dry Pass Buoy 1	Photo & Sextant
Dry Pass Buoy 2	Photo only
Dry Pass Buoy 5	Photo and Sextant
Dry Pass Daybeacon 7	Photo only (BEAK 1957)
Dry Pass Buoy 9	Photo and Sextant

At the time of this survey, Dry Pass Buoy 2 was missing. Notification has since been received that it has been replaced on station.

10. Inapplicable

11. Other Control

All photo-control was recorded on Control Station Identification Cards.

Many marked hydrographic stations from the 1922 survey were recovered and located on the photographs, thereby, exceeding the required spacing for recoverable topographic stations.

No effort was made to recover these marked stations but where the present hydrographic control requirements coincided with the previous requirements, then they were located on the photographs, and topographic recovery cards submitted.

West of Dry Pass on the northern shores of Kosciusko Island two unstamped standard Coast and Geodetic Survey bench marks were recovered. No reference to their existence could be found in the project instructions. The westernmost of the two disks was located and called PILL 1957.

The following is a list of recoverable topographic stations:

<u>NAME</u>	<u>MANUSCRIPT</u>	<u>PHOTO</u>
BEAK 1957	T-9625	41631
EV 1922	"	41655
PILL 1957	"	41631
LIPP 1957	"	41637
SOL 1922	T-10380	41675
OFF 1922	"	"
WAG 1922	"	41676
BOW 1922	"	41674
STONE 1922	T-10381	41653

12. Inapplicable

13. Geographic Names

Geographic names will be covered in a separate report.

14. Special Reports and Supplemental Data

Forwarded to the Director:

1. Nine lens office and field photographs via transmitting letter 8 June 1957.
2. Blueline Tracings and Blackline Impressions, via transmitting letter 8 June 1957.
3. Hydrographic Sheet - Field No. HO-1157, 6 June 1957
4. Tidal data via transmittal letter 11 May 1957.
5. Control Station Identification Cards for all control, via transmittal letter 17 June 1957.
6. Description of Recoverable Topographic Stations via transmittal letter 17 June 1957.

To be forwarded:

1. Triangulation Recovery Cards.
2. Geographic Names Report.
3. Coast Pilot Notes.

Respectfully submitted,

James P. Randall
James P. Randall,
LTJG, C&GS

Approved and forwarded :

E. W. Richards

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

PHOTOGRAMMETRIC PLOT REPORT
PROJECT 27070(6087)
Surveys T-9625, T-9628, T-10380 and T-10381

REFER TO PAGE 17 CONCERNING
CORRECTIONS TO PLOT - MADE
DURING COMPILATION.
(HEADING 32.)

21. AREA COVERED

This radial plot covers the area of the surveys listed in the title of this report.

The geographic area encompasses El Capitan Passage from Fontaine Island in Shakan Strait east and south to Sarheen Cove.

22. METHOD - RADIAL PLOT

Map Manuscript:

Vinylite sheets with polyconic projections in black and U.T.M. Alaska grids in red, at a scale of 1:10,000 were furnished by the Washington office for Surveys T-10380 and T-10381. Sheets for surveys T-9625 and T-9628 were also furnished by the Washington office but did not have the U.T.M. Alaska grid.

Control stations and substitute stations were plotted using a beam compass and meter bar on all map manuscripts.

Base sheets were prepared in this office.

A sketch showing the layout of surveys and distribution of control and photograph centers is attached to this report.

Photographs:

The twenty-six (26) nine-lens, unmounted photographs at a scale of 1:10,000 used in this plot are numbered as follows:

41602 thru 41608
41630 thru 41633
41636 thru 41638
41650 thru 41656
41673 thru 41677

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 a radial plot constructed in November 1955, for surveys T-9624 thru T-9628. On survey T-9625, the flights beginning with 41608 and 41630 were laid first holding to control and the pass points established in 1955. Then the plot was extended to the east and south holding to control identified during the 1956 field season on surveys T-10380 and T-10381. A satisfactory tie was effected with a prior radial plot for Survey T-10385. A comparison of the positions

established in a radial plot based on office-identified control, constructed in April 1956, with the geographic positions of the field-identified control revealed that the preliminary radial plot for T-10385 was accurate.

The western portions of Devilfish Bay may be displaced horizontally up to but probably not exceeding 0.5 mm. This possibility results from a break in the critical flight line - 41630 to 41638 - in this area where photographs 41634 and 41635 are double exposures and could not be used.

A satisfactory plot was constructed for these shoreline surveys.

Transfer of Points:

The map manuscripts were placed over the finished plot and oriented by holding the control and intersections that had been transferred to the base sheets. All pass points and photograph centers were pricked on the map manuscripts.

23. ADEQUACY OF CONTROL

The control was adequate to obtain a satisfactory radial plot for a shoreline survey.

The following stations could not be held in the plot.

CAP, 1922 - The radially plotted position is 3.0 meters south of the geographic position. This is within the standards outlined in paragraph 3-.01 of the project instructions dated 13 November 1956.

LOR, 1922 - The Sub. Point, an overhanging tree, could not be identified on the office photographs. The pass point selected for the preliminary radial plot held the station in this radial plot.

BAY, 1922 - A comparison of the field photograph with the identification card indicated that Sub Point No. 1 and Sub. Point No. 2 were reversed on the field photograph. Sub. Point No. 1 is described on the C.S.I. card as a grass spot just south of highest point of reef. The point indicated on the field photograph was at or below the high water line. A spot nearer the highest point was selected on the office print and held in the radial plot. Sub. Point No. 2 is a very indefinite point.

DEVIL, 1922 - Sub. Points No. 1 and No. 2 were also reversed on the field photograph as opposed to the identification card. Sub. Pt. No. 2 is an indefinite point and was not pricked on the office photographs. Sub. Pt. No. 1 as pricked on the field photograph was not used on the office photograph; instead, a point which fitted to sketch and description on the identification card was pricked on the office photographs about 1 mm. to the north. The station was also identified on the office photographs and held with Sub. Pt. No. 1 in the plot.

LAST, 1922 - The point indicated on field photograph 41676 as possibly station LAST is about 500 meters southeast of the geographic position. The hydrographic disk, unstamped, recovered by the field party is possibly some other unknown station.

POINT, 1922 - The radially plotted position is 10 meters west of the geographic position. The identification is described as not positive because of height of tide - 2 feet above mean high water - with station under water.

24. SUPPLEMENTAL DATA

None.

25. PHOTOGRAPHY

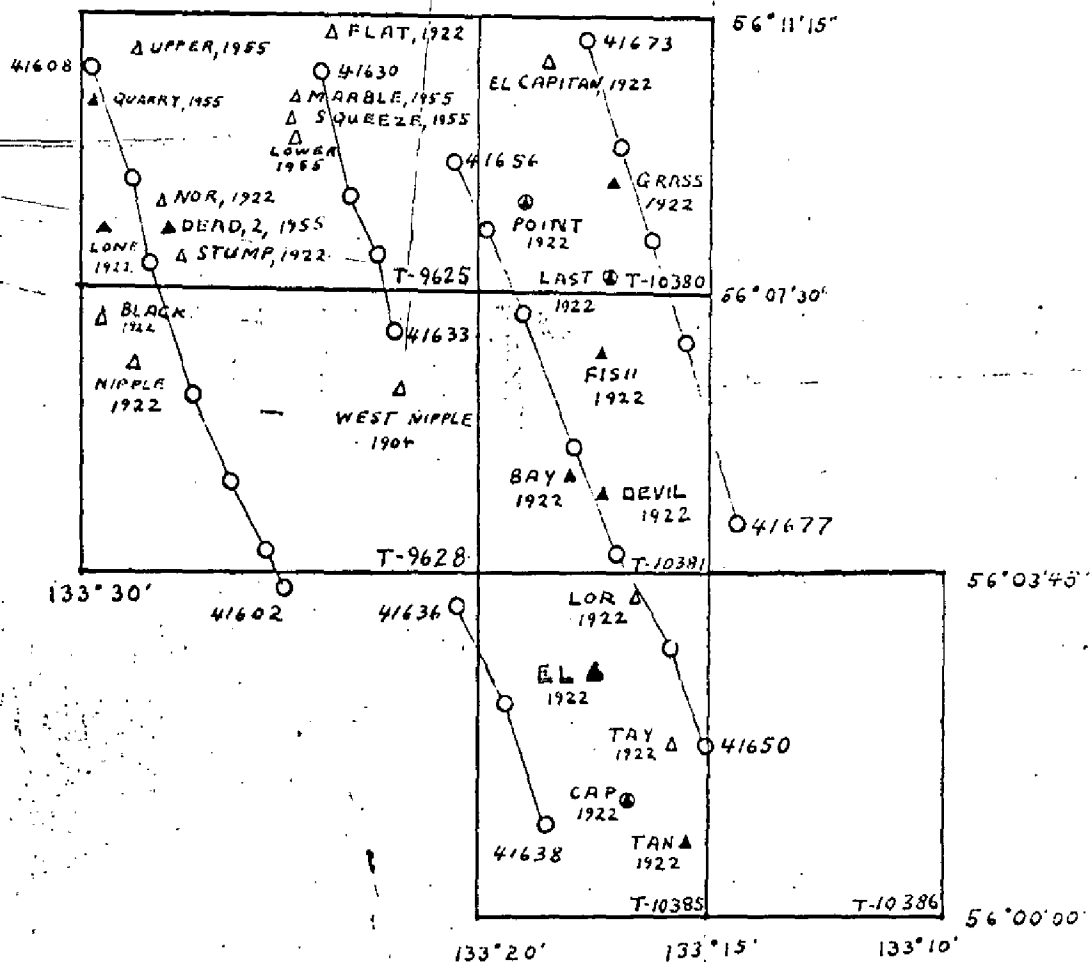
The photographic coverage and definition of photographs used in the plot were good. Photographs 41634 and 41635 could not be used because they were a double exposure.

Respectfully submitted
5 February 1957

E. L. Williams
E. L. Williams
Cartographer (Photo.)

LAYOUT SKETCH

PROJECT 27070
SURVEYS: T-9625, T-9628
T-10380, T-10381



- Nine lens office photographs
- ▲ Control stations held in plot
- Control stations not held in plot
- △ Control stations not identified

MAP T-10381

PROJECT NO. 27070

SCALE OF MAP
1:10,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			°	' "	°	' "		FORWARD	(BACK)	FORWARD	(BACK)
FISH, 1922	G-609 p. 312	N.A. 1927	56	06 48.457				1498.7	(357.0)		
			133	16 55.005				950.5	(86.3)		
DEVIL, 1922	"	"	56	05 11.408				352.8	(1502.9)		
			133	17 25.764				445.4	(592.2)		
BAY, 1922	"	"	56	05 32.089				992.5	(868.3)		
			133	18 12.952				224.0	(813.5)		
Sub. Pt. No. 1 DEVIL, 1922	Comp.	"	56	05				341.8	(1513.9)		
			133	17				445.6	(592.0)		
Sub. Pt. No. 2 DEVIL, 1922	"	"	56	05				344.6	(1511.1)		
			133	17				449.1	(588.5)		
Sub. Pt. No. 1 BAY, 1922	"	"	56	05				984.0	(871.8)		
			133	18				241.2	(796.3)		
Sub. Pt. No. 2 BAY, 1922	"	"	56	05				989.0	(866.8)		
			133	18				228.6	(808.9)		
Sub. Pt. FISH, 1922	"	"	56	06				1478.7	(377.0)		
			133	16				939.1	(97.7)		

- 17 - 16

1 FT. = 3048006 METER

COMPUTED BY J.E. Tolodziecki

DATE January 1, 1956

CHECKED BY: **L. A. Senasack**

DATE _____

26 November 1956

COMM-DC-57843

17
- 18 -

COMPILATION REPORT
T-10380 & T-10381

31. DELINEATION

These map manuscripts were delineated by graphic methods. Delineation of shoreline was by office interpretation of nine-lens photographs, and corrected by field inspection made during hydrographic survey operations. In many areas where shoreline was obscured by shadows, sextant fixes were plotted to locate MHW line, or to verify office delineation.

32. CONTROL

LAST, 1922 - was identified in 1957, and the radial plot was found to be in error by 0.4 mm. A small area near the station was redelineated.
POINT, 1922 - which was not held in the radial plot, and
BAY, 1922 - at which there was some difficulty in identification for the plot, were both re-identified by the hydro party and at both stations the radial plot was proved to be accurate.

33. SUPPLEMENTAL DATA

A copy of boat sheet HO-1157 was available for comparison.

34. CONTOURS AND DRAINAGE

Contours: Inapplicable.
Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline was inspected during hydrographic survey operations in the flat grassy areas in coves, at places where it was obscured by heavy shadows on photographs, and where necessary to correct office interpretation. Sextant fixes were used to supplement inspection on photographs. On T-10381, those fixes which were in obvious disagreement with the photographs, were not used because they are probably based on signals with weak locations.

Low water lines are based on field inspection data.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are being submitted for five recoverable topographic stations which were established. (See list under item 49).

Two photo-hydro stations were established to be used as azimuth stations in plotting recoverable topographic stations.

39. JUNCTIONS

Junctions have been made with T-9625 and T-9628 on the west and with T-10385 to the south. There are no contemporary surveys to the east and north.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 - 45 Inapplicable.

46. COMPARISON WITH EXISTING MAPS

None available.

47. COMPARISON WITH NAUTICAL CHARTS

Chart 8172, scale 1:40,000, third edition, corrected to 19 March 1956.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
16 August 1957

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 (Sumner Strait, Alaska)

T-10381

Bear Creek *

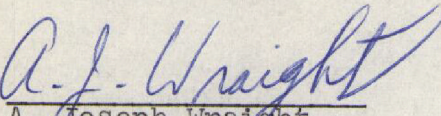
Devilfish Bay

El Capitan Passage

Kosciusko Island

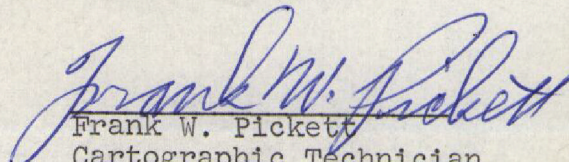
Prince of Wales Island

** Feature does not appear on this
survey. L.H.B.*

Approved by: 

A. Joseph Wraight
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician

49. NOTES FOR THE HYDROGRAPHER

Five recoverable topographic stations were established on these manuscripts:

SOL, (1922) 1957
OFF, (1922) 1957
BOW, (1922) 1957
STONE, (1922) 1957
WAG, 1957

Two photo-hydro stations ABE and BOB were established for use in plotting SOL, (1922) 1957 and STONE (1922) 1957.

8-27-57

Form T-2

PHOTOGRAMMETRIC OFFICE REVIEW

T-10380 & T-10381

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

CONTROL STATIONS

4a. Classification label ☒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. E. Glaser
ReviewerJoseph H. Hurlburg
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.

Leo F. Buznet
CompilerJoseph H. Hurlburg
Supervisor43. Remarks: NOTE - MANUSCRIPT CORRECTED BY COMPILER
IN 1957 - REFER TO COMPILATION REPORT.

M-2623-12

REVIEW REPORT T-10381
SHORELINE
OCTOBER 7, 1968

61. GENERAL STATEMENT:

See Summary which is page 6 of the Descriptive Report.

The photography was obtained at a high stage of the tide. Because of this some of the rocks which appear on other surveys could not be verified photogrammetrically.

There is no field edit report or field edit sheet for this survey. * See below

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with a copy of Registered Survey T-4012, a 1:10,000 scale survey made in 1922. The shoreline of the two surveys are not in complete agreement.

The following differences in rocks were noted:

Latitude $56^{\circ} 07' 25''$ longitude $133^{\circ} 16' 26''$ - Bare rock shown as awash on T-4012.
Latitude $56^{\circ} 07' 22''$ longitude $133^{\circ} 16' 27''$ - Bare rock shown as awash on T-4012.
Latitude $56^{\circ} 07' 03''$ longitude $133^{\circ} 16' 52''$ - Bare rock shown as awash on T-4012.
Latitude $56^{\circ} 05' 44''$ longitude $133^{\circ} 18' 39''$ - Three rocks shown on T-4012. Only one rock shown on T-10381 and H-7987 and only 1 rock visible on photographs.
Latitude $56^{\circ} 04' 46''$ longitude $133^{\circ} 18' 37''$ - Five rocks shown in vicinity on T-4012. Three rocks visible on photographs and shown on T-10381 and H-7987.

Shoreline survey T-10381 supersedes T-4012 for nautical chart construction purposes.

* FIELD WORK ACCOMPLISHED IN 1957 CONSTITUTED AN EDIT OF THE INCOMPLETE MANUSCRIPT. AS INDICATED NO "EDIT" SHEETS WERE SUBMITTED. JMS

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS PETERSBURG (A-4), ALASKA, 15 by 20 minute 1:63,360 scale quadrangle, edition of 1949 with minor revisions in 1964. The two surveys are in good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of reviewed surveys H-7987 and H-8359. The shoreline of the hydrographic surveys and T-10381 are in agreement. Four rocks shown on H-8359 at the following positions are not visible on photographs of the area:

<u>LATITUDE</u>	<u>LONGITUDE</u>
56° 06' 41"	133° 16' 46"
56° 06' 33"	133° 16' 42"
56° 06' 30"	133° 16' 42"
56° 06' 28"	133° 16' 43"

The height of two rocks above MLLW differ on surveys T-10381 and H-7987 by one and two feet respectively at the following positions; latitude 56° 05' 36" longitude 133° 17' 18" and 56° 05' 30" - 133° 18' 14".

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with chart 8172, 5th edition, Nov. 23, 1964. Rocks shown on the chart at the following positions are not visible on the photographs:

<u>LATITUDE</u>	<u>LONGITUDE</u>
56° 07' 30"	133° 16' 30"
56° 07' 18"	133° 17' 29"
56° 07' 00"	133° 17' 38"
56° 06' 51"	133° 16' 57"
56° 06' 42"	133° 16' 43"
56° 05' 36"	133° 17' 20"
56° 05' 00"	133° 17' 27"
56° 04' 55"	133° 17' 26"
56° 04' 39"	133° 17' 20"
56° 04' 37"	133° 18' 42"
56° 04' 14"	133° 19' 07"
56° 04' 14"	133° 18' 52"
56° 03' 48"	133° 16' 49"

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with instructions and meets the National Standards of Map Accuracy.

There were no field photographs available at the time of final review. Office photographs 41536, 41652 thru 41654 and 41676 were available and were examined.

Approved by:

Howard S. Cole
Howard S. Cole, Capt. USESSA
Director, Atlantic Marine Center

Reviewed by:

Leo F. Beugnet
Leo F. Beugnet

Approved by:

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Chief, Photogrammetric Branch

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Chief, Photogrammetry Division

Chief, Nautical Chart Division