

9742

ORIGINAL

Diag. Cht. No. 8554.

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline
Field No. Ph-164	Office No. T-9742
LOCALITY	
State	Alaska
General locality	Cook Inlet
Locality	Port Graham
194 53-56	
CHIEF OF PARTY	
Field:	G.A. Nelson
Office:	L. W. Swenson
LIBRARY & ARCHIVES	
DATE	May 1963

B-1870-1 (1)

9742

DATA RECORD

T - 9742

PH 164
Project No. (II): ~~27370~~

Quadrangle Name (IV):

Field Office (II): Ship EXPLORER

Chief of Party: G. A. Nelson

Photogrammetric Office (III): Washington, D. C.

Officer-in-Charge: L. W. Swanson

Instructions dated (II) (III): 22 August 1956

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):

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 7/25/62

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): NA 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):

Lat.:

Long.:

Adjusted
Unadjusted

Plane Coordinates (IV): UTM

State:

Zone: 5

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.

Areas contoured by various personnel
 (Show name within area)
 (II) (III)

Inapplicable

DATA RECORD

Field Inspection by (II): C.W. Clark

Date: May 1956

Planetable contouring by (II): None

Date:

Completion Surveys by (II): None

Date:

Mean High Water Location (III) (State date and method of location):

Identified in field on 1953 photographs

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

Date: 8-28-56

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

Date: 8-28-56

Control plotted by (III): J. Battley

Date: 9-26-56

Control checked by (III): G. Amburn

Date: 9-27-56

Radial Plot or Stereoscopic

Date: 10-18-56

Control extension by (III): J. Battley

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): W. Taylor

Date: 10-26-56

Photogrammetric Office Review by (III): E. Ramey

Date: 11-20-56

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

Date:

Camera (kind or source) (III):

C&GS

9-L

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
41145 thru 41149	24 July 1953	1450 to 1452	1:10000	10.9 ft. above MLLW
41155 thru 41158	"	1457 to 1458	"	10.9 ft. above MLLW

Tide (III)

Diurnal

Reference Station: Seldovia, Kachemak Bay
 Subordinate Station: Port Graham
 Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
	15.4	17.8
0.9	14.4	16.5

Washington Office Review by (IV):

Date:

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):

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

Identified:

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III):

Number of Temporary Photo Hydro Stations established (III):

Remarks:

* Height of MHW referred to MLLW is 15.8 feet.

MAP T 9742

PROJECT NO. 27370

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)	FORWARD	(BACK)
SPIKE 2 1956			59 21 14.871	460.2	(1396.5)					
			151 49 58.817	929.4	(18.7)					
LEDGE 1908			59 21 39.043	1208.2	(648.5)					
			151 52 28.383	448.4	(499.6)					
POINT 2, 1956			59 22 19.071	590.2	(1266.5)					
			151 51 55.232	872.3	(75.3)					
GRASS 2, 1956			59 21 54.271	1679.4	(177.3)					
			151 49 55.853	882.3	(65.5)					
IVORY 1956			59 21 33.052	1022.8	(833.9)					
			151 48 13.425	212.1	(735.9)					
JEWEL 1956			59 20 49.822	1541.7	(315.0)					
			151 47 00.574	9.1	(939.2)					
ROUND 2, 1956			59 20 24.170	757.2	(1099.5)					
			151 47 30.938	489.1	(459.4)					
LUCKY 1956			59 19 44.830	1387.3	(469.4)					
			151 46 58.093	918.6	(30.2)					
OSAGE 1956			59 20 50.530	1563.6	(293.0)					
			151 48 19.763	312.4	(635.9)					
CROSS 1908 or 1941			59 19 55.95	1731.4	(125.3)					
			151 47 18.53	293.0	(655.7)					
JEWEL 1956 Sub Sta 1			59 20	1518.2	(338.5)					
			151 47	00.6	(947.7)					
LUCKY 1956 Sta 2			59 19	1237.0	(619.7)					
			151 46	787.7	(161.1)					

4006 METER

RED BY: E. H. Ramey

DATE 24 Sept. 1956

CHECKED BY: J. Battley

DATE 25 September 1956

M. 2388.12

SCALE FACTOR

1 FT. = .3048006 METER

COMPUTED BY:

DATE _____

CHECKED BY:

DATE _____

M. 2388-12

Compilation Report
Shoreline Manuscript T-9742
26 October 1956

31. Delineation.-- Features were delineated on plastic work sheets by stereoscopic examination of nine-lens photographs aided by field inspection photographs. The work sheets were then adjusted to the scale of the map manuscript for the compilation.

Details shown include shoreline, alongshore features and some adjacent interior cultural features. Interior features were not field inspected.

32. Control.-- Control was adequate. See the Photogrammetric Plot Report which is filed as part of the Descriptive Report for T-8608.

33. Supplemental Data.-- None.

34. Contours and Drainage.-- Inapplicable

35. Shoreline and alongshore Details.-- The field inspection was generally adequate for the delineation of shoreline. No inspection was made inside small lagoons and at the head of Port Graham. These areas were delineated by office interpretation of photographs. Also a few segments of shoreline were obscured by shadow or overhang and were compiled as approximate.

All foreshore areas are approximate (Sub-heading 7 of the Field Inspection Report which is filed as part of the Descriptive Report for T-8482).

36. Offshore Features.-- Some awash rocks may have been missed during field inspection. (Sub-heading 8 of Descriptive Report for T-8482). Shoal and foul limits are approximate.

37. Landmarks and Aids.-- No landmarks or permanent aids exist within the map area. A buoy in the northern part of the area was resected by plotting sextant angles to triangulation stations and is shown on the map. These angles are recorded on photograph No. 41144.

38. Control for Future Surveys.-- None.

39. Junctions.-- This survey junctions with T-9560 to the north and T-9568 to the West. There are no contemporary surveys to the South or East.

40. Horizontal and Vertical Accuracy.-- Except for features compiled as approximate, no deficiencies in horizontal accuracy were indicated.

Vertical accuracy: inapplicable.

41 through 45.- Inapplicable.

46. Comparison with Existing Maps.-

Seldovia (B-5) Alaska (USGS), 1:63,360, 1953,
T-2879, 1:10,000, 1908

Survey T-2879 shows a feature as "watering place" which is also charted. This feature was not field-inspected and was not compiled on T-9742. No major discrepancies were noted between these prior surveys and T-9742.


47. Comparison with Nautical Charts.-

8589, 1:20,000 corrected to 51-6/8.

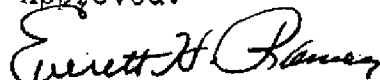
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY: None

ITEMS TO BE CARRIED FORWARD: None

Submitted by:


Wendell P. Taylor
Cartographic Aid

Approved:


Everett H. Ramey
Chief, Graphic Unit

49. Notes to the Hydrographer.-

Topographic stations.- None.

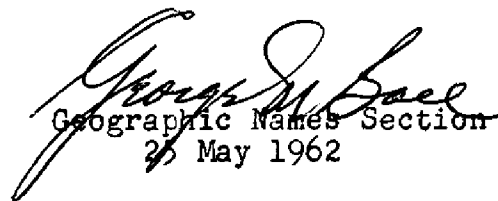
Limits of foreshore, foul and shoal areas are approximate (see sub-headings 8 and 9 of the Field Inspection Report).

T-9742

48. Geographic Names:

*Cook Inlet
*Port Graham (inlet)
*Port Graham (settlement)
Selenie Lagoon

*BGN decision


Geographic Names Section
25 May 1962

REVIEW REPORT
of Topographic Map T- 9742
June 1962

62. Comparison with Registered Topographic Maps

See Item 46

63. Comparison with Maps of Other Agencies

Seldovia B-5 and B-6 Alaska 1:63,360 1953

Because of the scale difference only a visual comparison was made. T-9742 is more complete and supersedes the above survey for common area.

64. Comparison with Contemporary Hydrographic Surveys

There are no contemporary hydrographic surveys of this area.

65. Comparison with Nautical Charts

8589 1:20,000 Corrected to June 1951

There are no major discrepancies in the chart and the subject manuscripts.

66. Adequacy of Results and Future Surveys

Shoreline inspection is not complete in all areas. Lack of inshore inspection may have resulted in minor errors in office interpretation. Other than these, no deficiencies in accuracy were indicated.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Lauer
Chief, Cartographic Branch
J. E. Vaughn 11/16/62
Chief, Photogrammetry Division

Gene G. Taylor
Chief, Nautical Charts Div.
Gerard S. Connelly
Chief, Operations Division

