8608

Diag. Cht. No. 8554.

U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT
Type of Survey Shoreline
Field No. Ph-164 Office No. T-8608
LOCALITY
State_Alaska
General locality / Cook Inlet
Locality Port Graham
CHIEF OF PARTY
A.A.Nelson, Chief of Party
.W.Swanson, Div. of Photo.Wash., D.C.
LIBRARY & ARCHIVES
DATEMay 1963
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USCOMM-DC 5087



DATA RECORD

т - 8608

Project No. (II):

Quadrangle Name (IV):

Field Office (II): Ship Explorer

G. A. Nelson

Photogrammetric Office (III): Wash. D. C.

Officer-In-Charge: L. W. Swanson

Instructions dated (II) (III): 22, Aug 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): 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):

Lat.:

Long.:

Unadjusted

5

Plane Coordinates (IV): U T M

State:

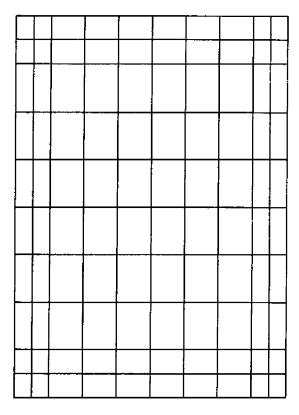
Zone:

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):

Inapplicable

Date:

Completion Surveys by (II):

Inapplicable

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: 9-7-56

Projection and Grids checked by (IV):

A. Riley

Date: 9-7-56

Control plotted by (III):

J. Battley

Date: 9-26-56

Control checked by (III):

G. Amburn

Date: 9-27-56

Radial Plot or Stereoscopic

J. Battley

Date: 10-15-56

Control extension by (III):

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (iii):

G. Amburn

Date: 11-1-56

Photogrammetric Office Review by (III):

Date:

Elevations on Manuscript

checked by (II) (III):

Date:

Camera (kind or source) (iii):

C&GS

PHOTOGRAPHS (III)

9-L

Number

Date

Time

Scale

Stage of Tide

41160 thru 41162

24 Jul 1953

1458-59

1:10000

10.9 ft above MLEW

41133, 41134

19

111110

19

12

Tide (III)

Reference Station:

Seldovia, Kachemak Bay

Subordinate Station: Port Graham

Subordinate Station:

Ratio of Mean Spring Ranges Range Range Range 17.8

Washington Office Review by (IV):

Final Drafting by (IV):

Date:

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):

Number of Recoverable Photo Stations established (III):

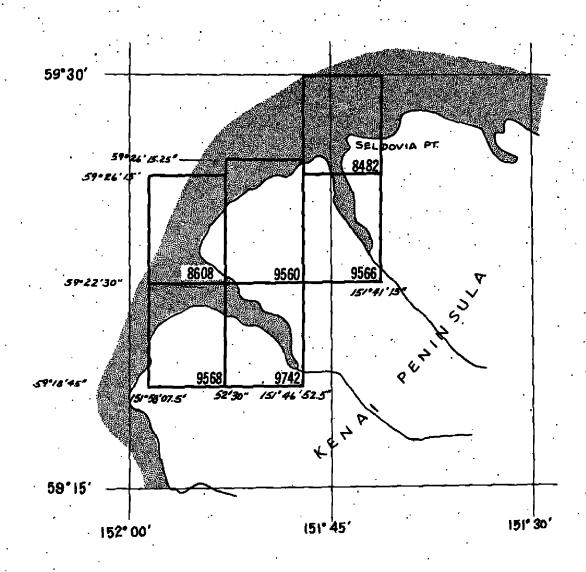
Number of Temporary Photo Hydro Stations established (III):

Remarks:

* Ht. of MHW referred to MLLW = 15.8

M·2618-12(4)

SHORELINE MAPPING PROJECT 27370 SELDOVIA AND PORT GRAHAM, ALASKA



Photogrammetric Plot Report Port Graham Alaska Project 27370

- 21. Area covered. Shoreline manuscripts included in this report are T-9560, T-8608, T-9568, and T-9742.
- 22. Method. Polyconic projection and U.T.M. grid Zone 5 were ruled at 1:10,000 scale on Mylar manuscripts for the radial plot. A tab was extended west of T-9568 for the addition of three triangulation stations, Flat 1. Light 1956, Point Bede 1956 and Magnet Rock 1956. The grid was used to junction the manuscripts and held scale well.

The 1953 master celibration templet was used to prepare the mylar and vinylite templets.

The photographs were positype paper prints. No unusual problems were encountered in photograph preparation. Excellent to Satisfactory closures were maintained on control stations used in the plot. All control and pass points were drilled with a number 80 twist drill through the templets to the manuscript. The manuscript positions were then circled with red GPO ink.

- 23. Adequacy of control. The distribution and density of horizontal control was considered adequate (see photogrammetric plot sketch). Seventeen field identified triangulation stations were used in controlling the radial plot. Of these only two did not hold in the plot and are discussed below:
 - BIRD 2 1956.... 0.3 mm. South of plotted position. The accuracy of identification was regarded as doubtful by both the field and the office.
 - HERON sub.pt.3 1956....O.h mm. West. Photographic identification was difficult and considered doubtful. Surrounding control held very well.
- 24. Supplemental data. None
- 25. Photography. The photography is considered adequate as to coverage and overlap. As every other photograph was not ordered in the two flights bordering Port Graham, difficulty was encountered in accurately transferring conjugate centers. However, the abundance of control counteracted this deficiency in extending the plot.
- 26. Junctions. A satisfactory junction of common pass points and control was effected with the previous radial plot falling east and adjacent to this plot.

Submitted by:

Jeter P. Battley, Jr. Cartographer

Approved by:

Everett H. Ramey, Chief Graphic Unit

NA 193 NA 194 NA 195 N	MAP T. 8608		PROJE	PROJECT NO. 27370	SCALE OF MAP.	1:10,000	SCALE FACTOR	JR.
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COMPILATION REPORT T-8608

31. Delineation:

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

32. Control:

See the attached PHOTOGRAMMETRIC PLOT REPORT.

- 33. Supplemental Data: None
- 34. Contours and Dramhage: Inapplicable
- 35. Shoreline and Alongshore Details:

Field inspection was generally adequate for the delineation of shoreline. (See Sub-heading 7 of FIELD INSPECTION REPORT.)

36. Offshore Features:

The field inspection required some office interpretation (See Sub-Heading 8 of the FIELD INSPECTION REPORT.)

- 37. Landmarks and Aids: None
- 38. Control for future surveys: None
- 39. Junctions:

This survey junctions with T-9560 to the East and T-9568 to the South. No contemporary surveys are available to the North and West.

40. Horizontal and Vertical Accuracy:

See the PHOTOGRAMMETRIC PLOT REPORT for a detailed discussion of accuracy. No deficiencies are indicated.

41. Through 45 Inapplicable

46. Comparison with existing maps:

T-3106 Scale 1:40,000 Pated 1910 T-2879 Scale 1:10,000 Fated 1908

Seldovia (B6) Alaska (USGS) Scale 1:63,360 date 1953

Features that are not visable on the photographs that appear on T-2879 and Seldovia (B6) are, Dangerous Cape Reef off Dangerous Cape, a pier and a coal mine at Goal Cove. The above features also were not field inspected. Survey T-8608 generally shows alongshore features in much greater detail then the above maps.

47. Comparison with Nautical Charts:

The manuscript was compared with Nautical Chart No. 8589, scale 1:20,000, published in 1909, corrected to 6-18-51. See Item No. 46.

LECCONTRACTO NAMED

Items to be applied immediately: None

Items to be carried forward: Features below the plane of MHW are subject to revision by hydrographic surveys.

Approved by: Zuerar of Laure

Chief, Graphic Compilation Unit

Submitted by:

Garnett S. Amburn Cartographic Aide

Cartographic Aide

Form 567 April 1945

DEPARTMENT OF COMMERCE

U. S. COAST CEODETIC SURVEY



NONFLOATING AIDS CHARTS FOR CHARTS

TO BE CHARTED STRINE DUT ONE

Mak. Alatta

15 June

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

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This form shall be prepared in accordance with Hydrographic Manual pages 800 to 804. Positions of charted landmarks and nonfloating nile to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by This for-

48. Geographic Names:

Bird Reef Coal Cove *Cook Inlet Dangerous Cape Point Pogibshi Port Graham

* BGN decision

Geographic Names Section 25 May 1962

REVIEW REPORT of Topographic Map T- 860 % 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

Because of the scale difference only a visual comparison was made. T-YHN 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.

Comparison with Nautical Charts

1:20,000

Corrected to June 1951

There are no major descrepancies 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

Approved by:

Chief. Cartographic Branch

Photogrammetry/Division

Nautical Charts Div.

. Operations

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

T-8606 FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

- A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

 1. Letter all information.

 2. In "Remarks" column cross out words that do not apply.

 3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHẠRT	DATE	CARTOGRAPHER	REMARKS
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8589	12-4-70	E. Frey	Full Para Suiste After Verification Review Inspection Signed Via
			Drawing No. 9 Parised shoreline rock ledge ;
	<u> </u>		kelp areas
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