9568

Orig.

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-9568

LOCALITY

State Alaska

General locality Cook Inlet

Locality English Bay

1945 43 - 56

CHIEF OF PARTY

Field: G.A.Nelson

Office: L.W.Swanson

LIBRARY & ARCHIVES

DATE May 1963

8-1870-1 (1)

9568

DATA RECORD

T-9568

Project No. (II): PH 164 ~~27370~~ Quadrangle Name (IV):

Field Office (II): Ship Explorer Chief of Party: G.A.Nelson

Photogrammetric Office (III): Wash. 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): 11-26-56 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

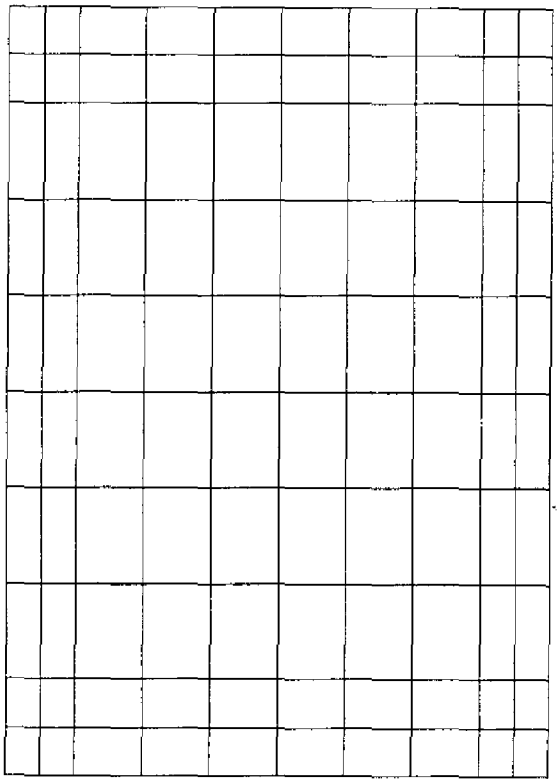
Plane Coordinates (IV): State: Zone:

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.

M-2618-12(4)



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

Inapplicable

DATA RECORD

Field Inspection by (II): C.W.Clark — Date: May 56

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: 8-27-56

Projection and Grids checked by (IV): A. Riley — Date: 8-27-56

Control plotted by (III): J. Battley — Date: 9-26-56

Control checked by (III): G. Amburn — Date: 9-27-56

Radial Plot or Stereoscopic Control extension by (III): J. Battley — Date: 10-18-56

Stereoscopic Instrument compilation (III): Planimetry — Date:

Contours — Date:

Manuscript delineated by (III): R. L. Sugden — Date: 10-29-56

Photogrammetric Office Review by (III): — Date:

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

M-2618-12(4)

Camera (kind or source) (III): C&GS 9-L

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
41135 thru 41139	24 Jul 53	1441 to 1443	1:10,000	10.9 ft. above MLLW
41142 " 41144	" " "	1448 to 1450	"	"

Tide (III) *

Diurnal

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

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

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 ft.

M-2618-12(4)

Field Inspection Report

This report covers surveys T-8482, T-8608, T-9560, T-9566, T-9568 and T-9742 and is filed as part of the Descriptive Report for T-8482.

PHOTOGRAMMETRIC PLOT REPORT

This report covers Shoreline Surveys T-8608, T-9560, T-9568 and T-9742.

It is filed as part of the Descriptive Report for T-8608.

Photogrammetry

MAP T-9568 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 FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
Maple, 1956			59 22 02.708 151 52 58.034	83.8 (1772.9) 916.7 (31.0)			
South 1908	V 426		59 21 42.282 151 54 37.927	1308.4 (584.3) 599.2 (348.7)			
Fall 1908	V 429		59 21 35.17 151 53 22.73	1088.3 (768.4) 359.1 (588.9)			
Heron 1956	Field Comp.		59 20 42.071 151 57 36.825	1301.9 (554.8) 582.0 (366.3)			
Channel 1908	V 426		59 22 03.054 151 54 15.638	94.5 (1762.3) 274.0 (700.8)			
Twist 1908	V 430		59 22 17.33 151 53 24.88	536.3 (1320.4) 393.0 (554.7)			
Maple 1956 Sub Sta 1			59 22 151 52	88.0 (1768.7) 946.0 (01.8)			
Heron 1956 Sub Sta 3			59 20 151 57	1321.2 (535.5) 577.6 (370.7)			
Port Graham entrance lt.1956	Field Comp.		59 22 23.068 151 52 59.101	713.8 (1142.9) 933.4 (14.2)			
Ledge 1908 Sub Sta 1			59 21 151 52	1195.2 (661.5) 486.8 (461.1)			

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: E.H.Ramey DATE 24 Sept. 56 CHECKED BY: DATE

West of

MAP T-9568 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 FORWARD	(BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD	(BACK)
Flat Island Lt. 1956	Field Comp.		59 19 53.806	1665.0	(191.70					
			151 59 34.030	538.1	(410.6)					
Point Bede 1956	"		59 18 48.529	1501.7	(355.0)					
			151 59 13.375	211.6	(737.6)					
Magnet Rock 1956	"		59 18 33.162	1026.2	(830.5)					
			152 00 10.518	166.4	(783.0)					
Point Bede 1956 Sub Sta 3			59 18	1517.7	(339.0)	1856.7				
			151 59	193.2	(756.0)	949.2				

1 FT. = .3048006 METER

M-2388-12

COMPUTED BY: E.H.Ramey DATE 24 Sept. 56 CHECKED BY: DATE

COMPILATION REPORT

Shoreline Survey T-9568

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 compilation.

Some stretches of shoreline are obscured by shadow but the MHWL in these areas was defined by field inspection. The photography together with the field inspection were adequate for compilation. The field inspection did not include inspection of roads and buildings.

32. Control

Control was adequate for compilation purposes. For discussion of control see the Photogrammetric Plot Report filed as part of Descriptive Report T-8608.

33. Supplemental Data None

34. Contours and Drainage Inapplicable

35. Shoreline and alongshore details

The field inspection was adequate for the delineation of shoreline. There was no field inspection of inshore features.

The Indian village of Alexandrovsk is located in the English Bay area.

36. Offshore Details

Five offshore rocks awash north of Russian Point and west of triangulation station CHANNEL 1908 were located on the manuscript by resection from sextant cuts which were recorded on the field photographs.

37. Landmarks and Aids

Port Graham Entrance Light 1956 falls on this survey. A copy of the form 567 submitted by the field party for the entire project is attached.

38. Control for future surveys None

39. Junctions

This survey junctions with survey T-8608 to the north and T-9742 to the east. No contemporary surveys were available for junctioning to the west and south.

40. Horizontal and vertical accuracy

See item 32 above.
Vertical accuracy inapplicable.

41 thru 45 Inapplicable

46. Comparison with existing maps

T-2879, 1:10,000 scale 1908
T-3554, 1:20,000 " 1915
SELDOVIA (B-6) ALASKA (USGS) 1,63360, 1953

There are not as many cliffs shown on T-9568 as on the previous surveys but it is believed that all bluffs of landmarks significance are shown. The reef just offshore from ALEXANDROVSK appears attached to the shore on T-3554. There is no indication of such on photographs or from field inspection of T-9568. These prior surveys show differences in some rock positions but T-9568 should be regarded as correct.

47. Comparison with Nautical Charts

8589 1:20,000 corrected to 51-6/18

The differences as noted between the surveys as stated above also applies to the chart 8589.

Items to be applied to nautical charts immediately

none

Items to be carried forward None.

Submitted by

Robert L. Sugden

Robert L. Sugden
Cartographer

APPROVED:

Everett H. Ramey

Everett H. Ramey, Chief
Compilation Unit

49. NOTES FOR THE HYDROGRAPHER

English Bay Reef is not visible for delineation from the photographs and thus is not shown on the manuscript.

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~[illegible]~~ STRIKE OUT ONE

Hmr. Alaska

15 June 1956

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

The positions given have been checked after listing by J. O. Phillips

George A. Nelson
Chief of Party.

STATE / CHARTING NAME	Alaska DESCRIPTION	Light List Number	LATITUDE ° ′	LATITUDE ″ D.M. METERS	LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	Flat Island Light	2726	59 19	53.806 1665.0	151 59	34.030 538.1	N.A. 1927	Triangu- lation	May '56		X		8554 8531
	Port Graham Entrance Light	2727	59 22	23.068 713.8	151 52	59.101 933.4	"	Project 1980	"	X	X		8589 8531-8556
	Gray Cliff Light	2728	59 27	09.919 306.9	151 43	08.189 129.0	"	"	"	X	X		8531 8589-8556
	Seldovia Entrance Light	2729	59 26	34.852 1078.5	151 43	09.352 147.4	"	"	"	X	X		8531 8589-8550
	Homer Spit Light	2730	59 36	02.628 81.3	151 24	39.797 624.3	"	"	"		X		8554 8531
	Homer Anne Light	2732	59 38	24.802 767.5	151 29	40.994 642.3	"	"	"		X		8554 8531
	Homer Radio Range, center tower	- -	59 38	38.757 1199.4	151 32	18.655 292.3	"	"	"		X		8554 8531

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 [illegible] the charts of the area and [illegible]

48. Geographic Names:

*English Bay (inlet)
*English Bay (settlement- not Alexandrovsk)
*English Bay River
*Cook Inlet
Passage Island
*Port Graham
Russian Point

* BGN decision

George E. Baer
Geographic Names Section
25 May 1962

REVIEW REPORT
of Topographic Map T-9568
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-9568 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

8509 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:
Chief, Cartographic Branch
Chief, Nautical Charts Div.
Chief, Photogrammetry Division 11/29/62
Chief, Operations Division

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-9568

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.

CHART	DATE	CARTOGRAPHER	REMARKS
8589	7/18/63	DEW	~~Full~~ Part ~~Before~~ After Verification Review Inspection Signed Via
			Drawing No.
8589	12-7-70	E. Frey	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 9 Revised shoreline, rock ledge, kelp & foul areas.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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			Drawing No.