9566

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-9566

LOCALITY

State ALASKA

General locality Kenai Peninsula

Locality Seldovia Bay

194 5\3 - 56

CHIEF OF PARTY

Field: G. A. Nelson

Office: L. W. Swanson

LIBRARY & ARCHIVES

DATE May 1963

8-1870-1 (1)

9566

DATA RECORD

T - 9566

PH 164

Project No. (II): ~~2770~~ 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): 1.0

Date received in Washington Office (IV): 10-4-56 Date reported to Nautical Chart Branch (IV): 10-11-56

Applied to Chart No. Date: Date registered (IV): 7/25/62

Publication Scale (IV): Publication date (IV): MHW

Geographic Datum (III): N.A. 1927 Vertical Datum (III):

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

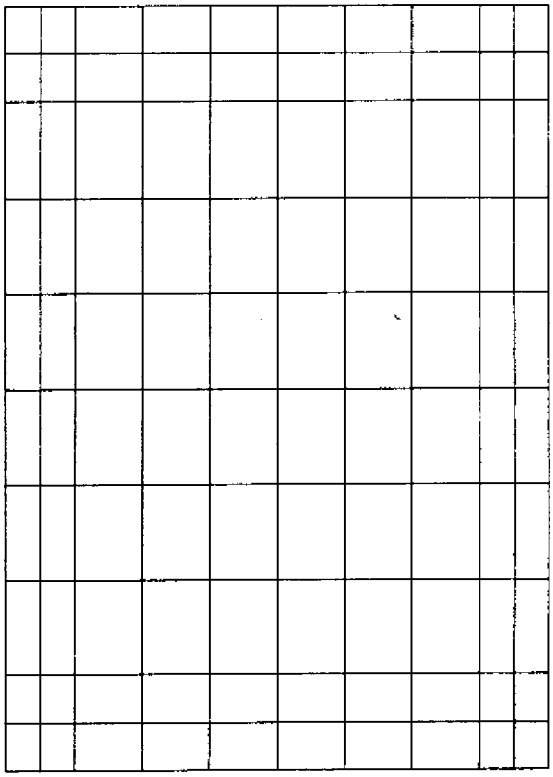
Plane Coordinates (IV): State: Zone:

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 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:

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

Control plotted by (III): W. Taylor — Date: 13 Sept. 1956

Control checked by (III): G. Amburn — Date: 13 Sept. 1956

Radial Plot or Stereoscopic Control extension by (III): J. Battley — Date: 17 Sept. 1956

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

Manuscript delineated by (III): G. Amburn — Date: 27 Sept. 1956

Photogrammetric Office Review by (III): E. Ramey — Date: 3 October 1956

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

M-2618-12(4)

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
41120 thru 41123	7-24-1953	1424 thru 1426	1:10,000	9.3
41127 thru 41129	7-24-1953	1433 thru 1434	1:10,000	9.3

Tide (III) MHW - MLLW = 17.0 ft. Diurnal

Ratio of Ranges	Mean Range	Spring Range
1.0	15.4	17.8

Reference Station: Seldovia (Kachemak Bay) Alaska
Subordinate Station:
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:

TIDE COMPUTATION

Photo 41127

PROJECT NO. Ph- T- 9566

Time and date of exposure ____ Reference station SELDOVIA (Kachemak Bay) Mean range 15.4 Diurnal 17.8

Date of field inspection 5-18-56 Subordinate station ____ Ratio of ranges 1.0

	Time h. m.
High tide	8 18
Low tide	14 25
Duration of rise or fall	6 07

	Height feet	Height x Ratio of ranges
High tide	14.4	
Low tide	2.7	
Range of tide	11.7	

	Time h. m.
High tide at Ref. Sta.	
Time difference	
Corrected time at Subordinate station	

	Time h. m.
Low tide at Ref. Sta.	
Time difference	
Corrected time at Subordinate station	

	h. m.		feet		feet	Photo. No.
Time H. T. ~~or L. T.~~	8 18	Ht. H. T. or ~~L. T.~~	14.4	Feature bares		
Required time	10.15	Tabular correction	2.9	Stage of tide above MLW		
Interval	1 57	Stage of tide above MLW	11.5	Feature above MLW		
Time H. T. or ~~L. T.~~	8 18	Ht. H. T. ~~or L. T.~~	14.4	Feature bares		
Required time	11 05	Tabular correction	5.1	Stage of tide above MLW		
Interval	2 47	Stage of tide above MLW	9.3	Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		
Time H. T. or L. T.		Ht. H. T. or L. T.		Feature bares		
Required time		Tabular correction		Stage of tide above MLW		
Interval		Stage of tide above MLW		Feature above MLW		

M-2617-12

Computed by ____ Checked by ____

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 surveys T-8482 and T-9566 and is filed as part of the Descriptive Report for T-8482.

Photogrammetry

MAP T- 9566 PROJECT NO. 27370 SCALE OF MAP 1:10000 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)
POWDER 1956	Field	NA	59 25 24.142	747.0	(1109.7)					
	Comp.	1927	151 42 53.618	845.5	(100.6)					
ELBOW, 1956	"		59 24 52.756	1632.5	(224.2)					
			151 42 56.778	895.6	(50.8)					
GOOSE, 1956	"		59 23 53.872	1667.1	(189.6)					
			151 41 30.595	482.8	(464.0)					
GABE, 1956 (Topo)	Form 524		59 25	1649.7	(207.0)					
			151 44	372.6	(573.3)					
POWDER, 1956 Sub.Sta.No. 1			59 25	733.2	(1123.5)					
			151 42	841.9	(104.1)					
POWDER, 1956 Sub.Sta.No.3			59 25	732.5	(1124.2)					
			151 42	828.6	(117.8)					
ELBOW, 1956 Sub.Sta.No. 2			59 24	1637.4	(219.3)					
			151 42	875.5	(71.3)					
GOOSE, 1956 Sub.Sta.No. 1			59 23	1697.1	(159.6)					
			151 41	497.6	(449.7)					
CROWN, 1956			59 26 02.635	81.5	(1775.2)					
			151 43 02.929	46.2	(899.7)					
FLINT, 1956			59 24 27.028	836.3	(1020.4)					
			151 41 36.193	571.0	(375.6)					

1 FT. = .3048006 METER

COMPUTED BY: E. H. Ramey DATE 12 September 1956 CHECKED BY: G. Amburn DATE 13 September 1956

M-2388-12

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 manuscripts for the compilation.

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

32. Control

See the Photogrammetric Plot Report which is filed as part of the Descriptive Report for T-8482.

33. Supplemental Data: None

34. Contours and Drainage: Inapplicable.

35. Shoreline and Alongshore Details:

Field inspection was generally adequate for the delineation of shoreline. Some small areas were observed by shadow (Sub-heading 7 of Field Inspection Report). Bluffs and cliffs were not obvious on the photographs because of overhang and shadow. The field inspection notes were followed for the delineation of low-water line.

36. Offshore Features

The field inspection required some office interpretation (See Sub-heading 8 of the Field Inspection Report).

37. Landmarks and Aids

None in area.

38. Control for Future Surveys

One form 524 is filed for this survey.

39. Junctions

This survey junctions with T-8482 to the North and T-9560 to the West. No contemporary surveys are available to the East and South.

40. Horizontal and Vertical Accuracy

See the Photogrammetric Plot Report for a detailed discussion of accuracy. Except for offshore and foreshore features all areas are considered accurate.

41. through 45. Inapplicable.

46. Comparison with existing maps

T-2880 1:10,000 1906 and 1908
Seldovia (B-5) Alaska (USGS) 1:63,360, 1953

Both these maps show an Indian Village in the southern part of Seldovia Bay which was ~~neither~~ field-inspected as non-existant ~~could be identified on the photographs~~. T-2880 shows considerable bluff which could not be identified on the photography. However, it is believed they are of little landmark significance. T-2880 also shows a rock awash at lat. 59°25.2' long. 151°42.6' which is not shown by this survey. Except for this rock, T-9566 agrees closely with these prior surveys.

47. Comparison with nautical charts

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

The same differences under Sub-heading 46 apply here. Piers shown on this chart at lat. 59°25.8' long. 151°42.9' did not exist at the time of the field inspection.

Items to be applied immediately: None

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

Submitted by:

Garnett S. Amburn
Cartographic Aide

Approved:

Everett H. Ramey
Chief, Graphic Compilation Unit

49. Notes for the hydrographer

Topographic stations: GABE 1956

Limits of foreshore, foul and kelp are approximate (Sub-headings 8 and 9, Field Inspection Report).

T-9566

48. Geographic Names:

Powder Island
Seldovia
Seldovia Bay
*Seldovia River

*BGN decision

Geographic Names Section
25 May 1962

REVIEW REPORT
of Topographic map T- 9566
June 1962

62. Comparison with Registered Topographic Surveys

See Item 46

63. Comparison with Maps of Other Agencies

Seldovia B-5 Alaska (USGS) 1:63,360, 1953

Because of the scale difference only a visual comparison can be made. T-8482 is more complete and supersedes the above survey for common area.

64. Comparison with Contemporary Hydrographic Surveys

H-8285, 1956, 1:10,000 (Wire Drag)

The shoreline from T-9566 was applied prior to the hydrographic survey and are in agreement.

65. Comparison with Nautical Charts

8589 1:20,000 Corrected to June 1951

See Item 46

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 this, no dificiencies in accuracy were indicated.

Reviewed by:

L. C. Lande

Approved by:

Chief, Cartographic Br.

Chief, Nautical Chart Div.

Chief, Photogrammetry Div. 11/29/62

Chief, Operations Div.

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

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-9566

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	D.E.W.	Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
8589	12-3-70	E. Frey	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 9 No corrections. Consider fully appd. Partly superseded by 1969 Color Photography
			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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