

8826

Diag'd. on diag.ch. No. 8502-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Photogrammetric Topographic

Field No. Office No. T-8826

LOCALITY

State Alaska

General locality Alaska Peninsula

Locality Ivan Bay to Coal Cape

1947

CHIEF OF PARTY

Thos. B. Reed

LIBRARY & ARCHIVES

DATE January 27, 1948

8-1870-1 (1)

8826

DATA RECORD

T- 8826

Quadrangle (II):

Project No. (II): CS-319

Field Office: Seattle, Wash.

Chief of Party:

H. E. Finnegan

Compilation Office:

Baltimore, Md.

Chief of Party:

Thos. B. Reed

Instructions dated (II III):

29 Feb. 1944 (Supp.) 27 Feb. 1945

22 March 1945, 1 April 1946 (Field Supp. 1)

24 February 1947

Copy filed in Descriptive

Report No. T- (VI)

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed:

Applied to chart No.

Date:

Redrafting Completed:

*M. Day**June 1957*Registered: *23 July 1957*

Published:

Compilation Scale: 1:20,000

Published Scale:

Scale Factor (III): 1.000

Geographic Datum (III): N.A. 1927

Datum Plane (III):

Reference Station (III): RED BLUFF, 1914

Vol. 5, Pg. 113

Lat.:

Long.:

Adjusted
Unadjusted

State Plane Coordinates (VI):

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)
150° W. Meridian

Number	Date	Time	Scale	Stage of Tide
06234-36	8-07-41	1327	1:20,000	8.0' above MLLW
06237*-38*	8-07-41	1330	1:20,000	8.0' above MLLW
06275*-76*	8-07-41	1430	1:20,000	7.9' above MLLW
10940*	9-05-42	1228	1:20,000	5.1' above MLLW

* Rectified prints were also furnished.

Tide from (III): Predicted Tide Tables-Pacific & Indian Oceans, 1941-42.
Reference Station KODIAK, Alaska, with correction to Chignik, Anchorage Bay.
Mean Range: 6.6' Spring Range: 8.7'

Camera: (Kind or source) U. S. Coast and Geodetic Survey nine lens camera-focal length 8 $\frac{1}{4}$ ".

Field Inspection by: H. E. Finnegan date: Mar-Sept.1945

Field Edit by: date:

Date of Mean High-Water Line Location (III): Same as date of photographs supplemented by field inspection in 1945.

Projection and Grids ruled by (III) T. L. Janson date: 5-06-47

" " " checked by: T. L. Janson date: 5-06-47

Control plotted by: F. M. Senasack date: 5-14-47

Control checked by: R. Gawlik date: 5-16-47
L. A. Senasack date: 5-28-47

Radial Plot by: F. J. Tarcza and L. A. Senasack date: June 1947

Detailed by: E. G. Baldwin date: 9-8-47 to 11-24-47

Reviewed in compilation office by: J. W. Vonasek date: 12-15 to 12-23-47

manuscript

Elevations on Field Edit Sheet

checked by: J. W. Vonasek

date: 12-17-47

STATISTICS (III)

Land Area (Sq. Statute Miles): 105

Shoreline (More than 200 meters to opposite shore): 24 statute miles

Shoreline (Less than 200 meters to opposite shore): 22 statute miles

Number of Recoverable Topographic Stations established: 1

photo hydro
Number of ~~Temporary Hydrographic~~ Stations located by radial
plot: 74

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered
by, (II) Field Party, (III) Compilation Party, or, (VI) the
Washington Office.

When entering names of personnel on this record give the
surname and initials (not initials only).

Remarks:

FIELD REPORT

SURVEY NO. T-8826

DESCRIPTION OF THE AREA:

T-8826 is one of ²⁴~~sixteen~~ topographic surveys in Project No. CS-319 located on the Alaska Peninsula. The instructions for this project are dated 29 February 1944 (Supplemental)

27 February 1945

22 March 1945

1 April 1946 (Field Supplemental No.1)

24 February 1947

This survey includes the area from the large cape that forms the eastern side of Ivan Bay, southwest to Coal Cape. In this area the shoreline has two long stretches of steep-to sand beaches interrupted by low rocky headlands or high rocky capes. The first sand beach, known as Long Beach, is five miles long, and terminates at its south end in a low double headland or point which appears from a distance as an island located well offshore from the mainland. Between this headland and Coal Cape is a second long stretch of sand beach. From this beach and Long Beach, low river flats or plains of marsh and tundra extend inland to the foothills of Veniaminof Volcano. Just inshore from about the center of the second sand beach are two high detached mountains on the plain. These two mountains also appear as islands from a distance offshore. The southerly mountain has red jagged bluffs, and is known locally as Red Mountain.

For additional information refer to Season's Report-1945, Project No. CS-319, submitted by H. E. Finnegan.

Summary to Accompany to T-8826

T-8826 is one of 24 similar maps in Project CS-319 located on the south side of the Alaskan Peninsula. T-8826 contains Mitrofanina and Ivan Bays, Brother Islands, Long Beach, Red Mountain, and Coal Cape.

A. Cronan
~~Cloth backed lithographic print~~ of this manuscript at compilation scale will be registered with the descriptive report in the Bureau Archives. This map will not be published by this Bureau.

COMPILATION REPORT

MAP MANUSCRIPT - SURVEY NO. T-8826

26. CONTROL

See radial plot report for layout of control in this area. A list of stations on Form No. M-2388-12 is included in this report.

27. RADIAL PLOT

Refer to the report for the combined radial plot covering the areas of Surveys Nos. T-8826, T-8828, and T-8829, submitted to the Washington Office 26 September 1947.

28. DELINEATION:

The compilation is in accordance with the written instructions pertaining to Project No. CS-319.

Photographic coverage was insufficient to give good cuts on Brother Islands, in the southeastern part of the survey.

The contours in the vicinity of triangulation station PARROT, 1914, appear to be in error. A 4' detached rock identified on field photo. No. 06225 falls on a 300 foot contour.

The shoreline at the mouth of the stream at the head of Ivan Bay has been delineated according to field inspection notes. The mouth of the stream at Long Beach has been delineated from the latest photographs (1942).

29. SUPPLEMENTAL DATA

None.

30. MEAN HIGH WATER LINE:

Since there was little field inspection of the mean high water line, it was delineated after stereoscopic examination of the photographs.

31. MEAN LOW WATER LINE:

None shown

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

Four kelp patches south of Brother Islands were plotted from sextant fixes given on back of Field Photograph No. 06275. They fall outside the limits of this survey but are shown since they would not otherwise appear on any other survey.

33. WHARVES AND SHORELINE STRUCTURES:

None

34. LANDMARKS AND AIDS TO NAVIGATION

None

35. HYDROGRAPHIC CONTROL:

Seventy-four photo hydro stations were selected by the field inspection party for radial plotting. A list of descriptions is attached to this report. Two copies have been furnished for the use of the hydrographic party.

36. LANDING FIELDS AND AERONAUTICAL AIDS:

None

37. GEOGRAPHIC NAMES:

Geographic names were taken from Chart No. 8802 and from field data. A list of names is attached to this report.

38. JUNCTIONS:

Junctions with T-8825 to the east and T-8828 to the west have been made and are in agreement.

To the south is an all-water area.

There is no contemporary survey to the north.

39. DIVISION OF WORK:

a. The radial plot and shoreline compilation was completed in the Baltimore Field Office and the contours were compiled in the Washington Office on the Reading Plotter.

b. Due to insufficient and/or clouded photo coverage, this sheet has not been completed at this time (December 1947). Additional coverage is being obtained and the sheet can be finished next year (1948) if the new photography is usable.

40. QUALITY OF CONTOURS

All contours on this sheet conform to the National Standards of accuracy for a contour interval of 200 feet, except the 100-foot contour above sea level, which conforms to the National Standards of accuracy for a contour interval of 100 feet.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES:

None available.

45. COMPARISON WITH NAUTICAL CHARTS:

No comparison with United States Coast and Geodetic Survey Chart No. 8502, scale 1:967,000, published August 1944, corrected to 20 July 1946, was made because of the great difference in scale.

The following topographic information shown on T-8826 is of sufficient importance to warrant immediate application to the chart:

None

The following topographic details above the plane of mean high water are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:

None

Low water features are shown in part and will be completed by the hydrographic party.

Respectfully submitted
24 November 1947

Ernest L. Baldwin
Cartographer. (Photo.)
Compilation and Descriptive Report

Harry R. Rudolph
Supervisor

Joseph W. Vonnack
Photogrammetric Office Reviewer

Approved and forwarded
7 January 1948

Thos. B. Baird
Officer in Charge
Baltimore Photogrammetric Office

NOTES
FOR
HYDROGRAPHIC PARTIES

ALASKA PENINSULA

MAP MANUSCRIPT, SURVEY NO. T-8826

PROJECT NO. CS-319

The 2½ millimeter circles, accompanied with a name and date, are the positions of the topographic stations. The 2½ millimeter circles, accompanied with a number, are the positions of the photo hydro stations. Two copies of the list of descriptions of the photo hydro stations have been furnished for your use.

No comparison with the United States Coast and Geodetic Survey Chart No. 8502, scale 1:967,000, published August 1944, corrected to 20 July 1946, was made because of the great difference in scale.

The following topographic information shown on T-8826 is of sufficient importance to warrant immediate application to the chart:

None.

Low water features are shown in part and will be completed by the hydrographic party.

Respectfully submitted:
24 November 1947

Ernest G. Baldwin
Cartographer (Photo.)

Approved and forwarded
7 January 1948

Thos. B. Reed
Thos. B. Reed
Officer in Charge
Baltimore Photogrammetric Office

Review Report Y-8826
Shoreline Maps
April 21, 1953

62. Comparison with Registered Topographic Surveys. - None

63. Comparison with Maps of other Agencies.

~~64.~~ U.S.G.S. Topographic Map Chignik, Alaska 1:250,000 1951
U.S.G.S. Topographic Map Stepovak Bay, Alaska " "

These maps are of too small a scale for satisfactory comparison.

64. Comparison with Contemporary Hydrographic Surveys. - None

65. Comparison with Nautical Charts.

8502	1:969,761	Sept. 1950
8802	1:1,023,188	Dec. 1952
9302	1:1,534,076	Dec. 1952
8859	1:300,000	Aug. 1951

These charts are of too small a scale to make a satisfactory comparison of shoreline details.

66. Adequacy of Results and Future Surveys.

This map complies with project instructions and is adequate as a basis for hydrographic surveys and the construction of nautical charts.

Reviewed by:

B. J. Colner
B. J. Colner

APPROVED BY:

L. C. Lande
Chief, Review Section
Div. of Photogrammetry

Wallace A. Bruder
for Chief, Nautical Chart Branch
Division of Charts

H. W. Swanson
Chief, Div. of Photogrammetry

W. B. Swell
Chief, Div. of Coastal Surveys

Aug 26, 1957

GEOGRAPHIC NAMES

Ivan Bay
Mitrofanina Bay
Long Beach
Brother Islands
Red Mountain
Coal Cape

Station No.	Description	Pricked on Photo. No.
2639	End of vertical bluff	06236
2640	Detached rock elev. 8'	06236
2641	End of rock bluff.	06236
2642	End of sloping ledge.	06236
2643	Low ledge on end of point elev. 6'.	06236
2644	Double boulder on gravel beach.	06236
2645	Partially detached grass-topped pinnacle.	06236
2646	End of low bare rock ledge.	06236
2647	Detached boulder on HWL at face of rock slide. Elev. 10'	06236
2648	End of reddish-colored ledge.	06236
2648-A	Bldr. at base of black ledge middle of slide.	06236
2649	Detached boulder elev. 8'.	06236
2650	Face of brush-topped ledge.	06236
2651	Large rounder bldr. on bluff face.	06236
2652	Large moss-topped rectangular rock on bluff face.	06236
2652-A	Sloping to west, high point elev. 20'.	06236
2653	Grass-topped, sloping to west. Elev. 80' on east side.	06236
2654	Moss-topped detached rock.	06236
2654-A	Outer-chisel-shaped pinnacle pt. on large sandstone colored rk. elev. 15 ft. WW.	10940
2654-B	Sandstone colored pinnacle WW.	10940
2654-C	Triangular shaped pinnacle leaning inshore elev. about 12' WW.	10940
2654-D	Pt. of large square-cornered rock, broken off but lying on sloping face of rocky point WW.	10941
2655	High rectangular detached rock elev. 8'.	06275
2656	Detached rock elev. 15'.	06275
2657	End of ledge base of cliff.	06275
2658	High pt. on ledge at base of bluff elev. 30'.	06275
2659	End of horizontal ledge at base of bluff elev. 20'.	06275
2660	End of 10' ledge.	06275
2661	High pt. on outer detached rock elev. 10'	06275
2662	Detached rock grass-covered summit elev. 20'.	06275
2663	Sharp end grass-topped ledge elev. 35'.	06275
2664	Sharp high pt. detached rock elev. 25'.	06275
2665	Detached rk. elev. 5'.	06275
2666	Highest pt. detached rock elev. 12'.	06275
2667	Detached rock elev. 12'	06275
2668	Detached rock elev. 5'.	06275
2669	Detached rock elev. 5'.	06275
2670	Top of ledge at base of vertical bluff elev. 7'	06275

Listed by: Ernest S. Baldwin
Cartographer (Photo.)

Checked by: Joseph W. Vossack
Photogrammetric Engineer

SUMMARY OF PHOTOHYDRO POINTS

Station No.	Description	Pricked on Photo. No.
2601	Prominent needle from E & W	06277
2602	Grass-topped pt. on ledge, elev. 25'	06277
2603	Prominent lone round alder bush in grass above and right of long alder spot on grass slope.	06237
2604	Large bldr. at base of cliff	06277
2605	Lone alder bush in lower part of prominent slide (good natural object for hydro).	06237
2606	Large bldr. about 15' high on bldr. & gravel beach inside HW line.	06277
2607	Small detached rock elev. about 4'	06234
2608	Lone pinnacle in grass & alders	06237
2609	Grass-tipped wedge-shaped pinnacle.	06237
2610	Top of light-colored prominent bare rock scar.	06277
2611	Point of alders at right bottom of narrow part of easily identified grass enclosed area (good natural object for hydro).	06237
2612	This number not used.	
2613	Detached rock bares 2' at MHW.	06277
2614	Grass-covered top of partially detached pinnacle about 50' elev.	06277
2615	Large bldr. on HW line	06277
2616	Detached conical rock elev. 8'	06277
2617	End of rectangular vertical ledge.	06277
2618	Northerly of 2 bare ledges on low bank.	06277
2619	Sharp pinnacle at end of ledge.	06277
2620	Rectangular rock on HWL elev. 10'.	06277
2621	End of bare ledge	06277
2622	Grass-covered horizontal ledge elev. 12'	06277
2623	End of sloping grass-covered overhanging ledge.	06277
2624	Horizontal sharp end of ledge elev. 10'	06277
2625	High square top of detached rock elev. 25'	06277
2626	Rock 3' high.	06277
2627	Grass-covered top of slanting smooth ledge.	06277
2628	Highest part of grass-covered rock elev. 22'	06277
2629	Sharp rock elev. 5'	06277
2630	Grass-topped pinnacle elev. 100'.	06277
2631	Largest bldr. near N. edge of slide.	06277
2632	Round detached alder patch in grass spot on hillside.	06277
2633	Higher sharp end of detached grass-covered ledge about 30' high. Unscaleable.	06277
2634	This number not used.	
2635	Largest boulder in center and at base of slide.	06236
2636	Large bldr. lying on talus slope face of cliff with crevice through center. Elev. about 45'	06236.
2637	Large bldr. at base of low bluff elev. 12'.	06236
2638	Small low pinnacle back of HWL.	06236

DESCRIPTIONS OF PHOTO HYDRO POINTS TO
BE ADDED TO LIST ACCOMPANYING SURVEY NO.T-8826

NO.	DESCRIPTION	PRICKED ON PHOTO. NO.
2601A	Top of sharp high point about 160 ft. elevation	06278
2601B	End of narrow ledge	06278
2601C	Sharp tit end of ledge	06278

SURVEY NO. T-8826

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.