

8828

Diag. Cht. No. 8850

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. CS-319 Office No. T-8828

LOCALITY

State ALASKA

General locality SOUTH SIDE ALASKA PENINSULA

Locality COAL CAPE TO CHIACHI ISLAND

1945

CHIEF OF PARTY

H. E. Finnegan, Chief of Party.

Division of Photogrammetry, Washington, D. C.

LIBRARY & ARCHIVES

DATE December 27, 1951

8828

DATA RECORD

T-8828

Project No. (II): CS-319

Quadrangle Name (IV):

Field Office (II): Seattle, Washington

Chief of Party: H. E. Finnegan

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

Officer-in-Charge: Thos. B. Reed
L. J. Reed

Instructions dated (II) (III):

Copy filed in Division of

29 February 1944 (Supplemental);

Photogrammetry (IV)
Office Files

27 February 1945; 22 March 1945;

1 April 1946 (Field Supplement No. 1); 24 Feb. 1947

Method of Compilation (III): *Reading*
9 Lens Plotter

Manuscript Scale (III): 1:20,000

Stereoscopic Plotting Instrument Scale (III):

1:20,000

Scale Factor (III): 1.0000

Date received in Washington Office (IV): *Feb. '48*

Date reported to Nautical Chart Branch (IV): 3-1-48

Applied to Chart No. *8851*
8859

3-10-48
Date: *3-13-49*

Date registered (IV): *7-3-51*

Reviewed 9/27/49 R. J. French

Redrafting Completed 10-5-50

Publication Scale (IV):

Publication date (IV):

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

Datum Plane - Mean Sea Level

Bare Rocks - M H W

Rocks Awash - M L L W

Reference Station (III): PETREL, 1945 Vol. 5, Pg. 98

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.

PHOTOGRAPHS (III)
150° W. Meridian

Number	Date	Time	Scale	Stage of Tide
06231 to 06233 incl.	8-7-41	1324	1:20,000	8' above MLLW
*06239 to 06242 incl.	8-7-41	1334	1:20,000	8' above MLLW
*06267 to 06269 incl	"	1420	1:20,000	8' above MLLW
*06278	"	1436	1:20,000	7.9' above MLLW

* Rectified prints were also furnished except for 06267.

21,243 & 4	10/30/47	1135	1:20,000
21,284	"	1240	1:20,000

Predicted tide tables. Pacific and Indian Oceans 1941.
Reference station KODIAK, ALASKA with correction to
Tide from (III): CHIGNIK, ANCHORAGE BAY.

Mean Range: 6.6'

Spring Range: Diurnal 8.7'

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

Field Inspection by:
H. E. Finnegan

date:
May-Sept. 1945

Field Edit by: None

date: _____

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

Projection and Grids ruled by (III) T.L. Janson

date: 5-6-47

" " " checked by: T.L. Janson

date: 5-6-47

Control plotted by: F.M. Senasack

date: 5-14/47

Control checked by: L.A. Senasack

date: 5-28-47

Radial Plot by: Frank J. Tarcza
Leroy A. Senasack

date: June 1947

Detailed by: Ruth M. Whitson
(Contours inked in the W.O.)

11-21 to 11-26-47
date: 12-1 to 12-23-47

Contours compiled on 9-lens plotter by Orvis N. Dalbey and
William D. Harris

Reviewed in compilation office by:
Joseph W. Vonasek

date: 1-26 to 2-2-48

Elevations on ~~Field Edit~~ Sheet
checked by: Joseph W. Vonasek

date: 2-2-48

STATISTICS (III)

Land Area (Sq. Statute Miles): 75

Shoreline (More than 200 meters to opposite shore): 35 statute miles

Shoreline (Less than 200 meters to opposite shore): 44 statute miles

Number of Recoverable Topographic Stations established: 3

Number of ^{photo hydro} ~~Temporary Hydrographic~~ Stations located by radial
plot: 91
2

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:

Descriptive Report to Accompany
T-8828

Topographic map T-8828 is one of 24 similar maps in this project located on the Alaska Peninsula. This map falls on the south coast SE of Veniamenof Crater and is near the middle of the project at 159°10' W longitude.

The survey is the result of the combination of the use of the radial plot and the Reading Plotter in advance of hydrographic surveys to be made at a later date.

Field operations preceding compilation were accomplished in 1945 by personnel of the ship E. LESTER JONES, H. E. Finnegan commanding, and is the subject of seasons report No. 106 filed in the LIBRARY.

Field operations included field inspection of 9-lens photographs which were flown in August 1941, and the establishment of additional triangulation and vertical control. Field inspection also identified 92 hydrographic signal sites to be located by the radial plot for use in the hydrographic survey.

The radial plot was run successfully in the Baltimore Office with vinylite templates on a dyrite base ruled with a polyconic projection at 1:20,000 scale on the NA. 1927 datum. The shoreline and field inspection data were interpreted by the Baltimore office, and contours and inland drainage were drawn by the Reading Plotter from rectified prints.

The manuscript was compiled on acetate and is the first comprehensive topographic survey ever made of this area. The manuscript will be drafted at 1:20,000 scale and printed in two colors.

A cloth-backed lithographic print of the manuscript at compilations scale, plus a cloth-backed color print at 1:25,000 scale will be registered with the Descriptive Report in the Bureau Archives. This map will not be published by this Bureau.

FIELD REPORT

SURVEY NO. T-8828

1. DESCRIPTION OF THE AREA:

T-8828 is one of sixteen ²⁴(16) topographic surveys in Project No. CS-319 located on the Alaska Peninsula. The instructions for this project are dated:

12 March 1943 (from CS 279)
29 February 1944 (Supplemental)
27 February 1945
22 March 1945
1 April 1946 (Field Supplement No. 1)
24 February 1947
30 December 1946
4 April 1947

This survey includes the Chiachi Islands and the area from Coal Cape to the middle of the sand beach east of Coal Point. There are two long stretches of sand beach separated by a low alder and grass topped rocky headland called Three Star Point. The broad valley extending inland between Coal Cape and Coal Point is divided in the middle by a series of low hills extending from Three Star Point. Just eastward of Three Star Point is the Indian village of Perryville.

South of Three Star Point is a fairly large island called Chiachi, with several small islands east of it. They are all rugged, have rock cliff shoreline and areas of alder and grass.

There are two needle shaped pinnacles on the steep slope of the cliff at the southwest point of Coal Cape.

A good camp site may be selected at the head of the small bay at the southeast end of Chiachi Island, and there is good anchoring depth for a launch but heavy swells and seas from the southeast or south enter the bay. At the approach of a storm, a launch moored here should be picked up.

For additional information refer to Season's Report, 1945, Project No. CS-319, submitted by H. E. Finnegan. Bureau Library, #104

COMPILATION REPORT

MAP MANUSCRIPT, SURVEY NO. T-8828

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. *Filed under CS 319 general files in Div. of Photogr.*

28. DELINEATION

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

Photographic coverage was adequate for delineation of the shoreline. See side heading 39.

30. MEAN HIGH WATER LINE:

Very little field inspection of the mean high water line was submitted for Survey No. T-8828.

The mean high water line not identified by the field party was delineated ^{by} after stereoscopic examination of the photographs.

31. MEAN LOW WATER LINE:

None shown.

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE:

Details offshore from the mean high water line have been delineated from the field photographs. Several notes on the field photographs referring to MLW have been shown on the manuscript to refer to MLLW

33. WHARVES AND SHORELINE STRUCTURES:

None shown

34. LANDMARKS AND AIDS TO NAVIGATION

None

35. HYDROGRAPHIC CONTROL

Ninety-three (93) photo hydro stations were located. One photo-hydro station was almost identically located with a recoverable topographic station, "FAIR, 1945" and was therefore rejected.

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 charts Nos. 8802, 8851, and from field data. A list of names is attached to this report.

38. JUNCTIONS

Junctions with T-8826 to the east and T-8829 to the west have been made and are in agreement.

There are no contemporary surveys to the north or to the south.

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 if the new photography is usable.

"C"

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.

39. (Continued)

C. 1947 coverage obtained and gaps compiled therefrom, 20 Oct 1948. North quarter of map, all land area, still not compiled due to lack of insufficient control plus photo coverage.

See review report
67 page 16

45. COMPARISON WITH NAUTICAL CHARTS

No comparison with the United States Coast and Geodetic Survey Chart No. 8802, scale 1:1,000,000 published at Washington, D. C., August 1944, reissued July 1946, could be made because of the great difference in scale.

No. 8839 1:300,000 Same remarks. T-8828 was applied 13 May 1949.

Comparison with the sketch of Anchorage, Chiachi Islands, shown on United States Coast and Geodetic Survey Chart No. 8851, published at Washington, D. C. June 1945, was made and found to be in disagreement.

The following topographic information shown on T-8828 is of sufficient importance to warrant immediate application to the chart:

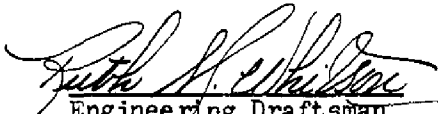
Since the aforementioned sketch is from a survey in 1874 and several large discrepancies ^{are} evident with Survey No. T-8828, it is believed that Survey No. T-8828 supersedes all topographic information shown on Chart No. 8851.

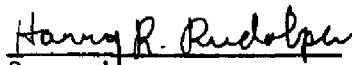
The following topographic details above the plane of mean high water are not shown on this manuscript, but are believed to still exist and should be carried forward on the chart:


None.

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

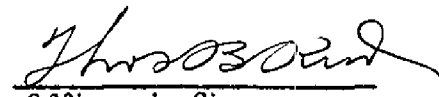
Respectfully submitted
30 December 1947


Engineering Draftsman
Compilation and Descriptive
Report


Supervisor


Photogrammetric Office Reviewer

Approved and forwarded
10 February 1948


Officer in Charge
Baltimore Photogrammetric Office

See review report
65. page 15

10-A

NOTES
FOR
HYDROGRAPHIC PARTIES
ALASKA PENINSULA

MAP MANUSCRIPT - SURVEY NO. T - 8828

PROJECT NO. CS-319

The 2½ millimeter circle, accompanied with a name and date, is the position of the topographic station. 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. 8802, scale 1:1,000,000, published at Washington, D. C., August 1944, re-issued July 1946, could be made because of the great difference in scale.

Comparison with United States Coast and Geodetic Survey Chart No. 8851 published at Washington, D. C. June 1945, was made and found to be in disagreement.

The following topographic information shown on T-8828 is of sufficient importance to warrant immediate application to the chart:

Since the aforementioned sketch shown on Chart No. 8851 is from a survey in 1874 and several large discrepancies are evident with Survey No. T-8828, it is believed that Survey No. T-8828 supersede all topographic information shown on Chart No. 8851.

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
30 December 1947

John M. Whitson
Engineering Draftsman

Approved and forwarded
10 February 1948

John S. Baird
Officer in Charge
Baltimore Photogrammetric Office

See Review
Report RIF

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DESCRIPTIONS OF PHOTO HYDRO STATIONS
FOR
SURVEY NO. T - 8828

Signal No.	Description of Signal Site	Photo. No.
2801	Center of lower, outer face of jutting point	06268
2802	Pedestal shaped pinnacle. 30'	06268
2803	Outer high end of projecting ledge. Elev. 20'	06268
2804	Detached pinnacle topped rock	06268
2805	Black grass topped pinnacle on gravel beach	06268
2806	Detached double topped pinnacle. North tip. Elev. 26'.	06268
2807	Lone small alder spot, just below and on right edge of triangular shaped rock cliff.	06268
2808	High point of detached rock. Elev. 5'.	06268
2809	High point of grass tipped detached ledge. Elev. 22'.	06268
2810	High point on N end of rock. Elev. 8'.	06268
2811	Upper right corner of brown dirt scar.	06268
2812	Large boulder at base of and on N. edge of rock slide. Elev. 10'.	06268
2813	Top of prominent water fall.	06268
2814	Sharp end of rock ledge. Elev. 14'.	06269
2815	Very large boulder lying on bluff, 20' above HWL. Grass topped.	06269
2816	High point of large detached rock. Elev. 16'.	06269
2817	High point of partially detached large rock. Elev. 22'.	06269
2818	Sharp pointed detached rock. Elev. 7'.	06269
2819	Top of broad conical end of ledge. Elev. about 28'.	06269
2820	Prominent small rock nodule leaning slightly offshore.	06269
2821	Detached rock. Elev. 7'.	06269
2822	Detached rock. Elev. 8'.	06269
2823	Low sharp end of point. Elev. 8'.	06269
2824	Low grass topped end of ledge. S. side small stream. Elev. 10'.	06269
2825	Detached rock. Elev. 6'.	06269
2826	Outer detached rock. Elev. 16'.	06269
2827	Large leaning rock, loose boulders behind it. Elev. 26'.	06269
2828	Large detached rock, at base of sloping cliff. Elev. 9'.	06269
2829	Large boulder at tip of slide. Elev. 10'.	06269
2830	Outer rock of group. Elev. 12'.	06269
2831	End of narrow sharp ledge. Elev. 15'.	06269
2832	End of low jutting rock point.	06269
2833	High point of detached rock, west edge rock slide	06269
2834	This number not used.	

Signal No.	Description of Signal site.	Photo. No.
2835	End of grass bank. N. side of creek	06269
2836	Seaward end small house	"
2837	End of ledge, E. side deep canyon	"
2838	Low ledge, NW of low detached rock	"
2839	Ledge to west of small stream	"
2840	End of ledge over low arch	"
2841	Detached rock. Elev. 12'.	"
2842	Detached rock. Elev. 6'.	"
2843	Center high point. Elev. 10'	"
2844	Most southerly part of bare sloping ledge.	"
2845	Flat ledge. Elev. 18'.	"
2846	Face of vertical bluff.	"
2847	Corner of sharp angle at base of vertical bluff.	"
2848	Loose part of outcrop lying on ledge, 14' above HW	"
2849	Tip of very narrow wedge point	"
2850	Face of bluff at end of gravel beach	06268
2851	End of low ledge. Elev. 12'.	06278
2852	End of ledge at base of deep cut in bluff.	"
2853	Grass tipped pinnacle. Elev. 18'.	"
2854	Middle of vertical bluff	"
2855	Southerly of two large boulders, 12' elev. Just outside HWL., directly offshore from much larger grass topped boulder.	06278
2856	Broad based pinnacle. Elev. 25'.	06278
2857	Low sharp end of ledge. Elev. 15'.	"
2858	Detached rock. Elev. 25'.	"
2859	Largest of many boulders, yellow moss on seaward side.	"
2860	Large boulder, grass on top, inshore from two other water worn boulders.	"
2861	Grass topped pinnacle on end of ledge. Elev. 45'.	"
2862	Inshore of 3 detached rocks. Elev. 6'.	"
2863	Largest and highest of 3 large boulders on beach	"
2864	Pyramidal shaped low shelf of rock at base of steep-to bluff and directly in front of shallow cave.	"
2865	High point on edge of ledge. Elev. 10'.	06278
2866	Bare rock end of pointed ledge.	06278
2867	N. gable end of small house	"
2868	High boulder on HWL	06267
2869	Large rock on HWL directly inshore from detached rock	06267
2870	Narrow vertical sided grass topped pinnacle. Elev. 30'.	06267

Signal No.	Description of Signal Site	Photo. No.
2871	Top of slope of bare light colored bluff, west side small stream. Elev. about 50'.	06267
2872	Badly eroded large boulder at HWL and west of small slide. Elev. 11'.	06267
2873	Top of vertical face of grass topped wedged shaped -large rock jutting out from bottom of alder and grass slope.	06267
2874	Largest bare boulder at base of slide.	06278
2875	Vertical end of point.	06278
2876	Inner and slightly higher one of double pinnacle tips on point.	06267
2877	Bottom of prominent white rock scar.	06267
2878	Top of waterfall.	06267
2879	Highest point near SE corner of large rock mass almost detached from main hill to eastward. Rock mass has bare rock cliffs (vertical) on south and east sides, alder brush north side.	06278
2880	Lone alder clump in grass area on west side of slope of low ridge easily identified.	06242
2881	High end of ledge. Elev. 25'.	06278
2882	Detached rock. Elev. 12'.	06278
2883	Bare high point. Elev. 20'.	"
2884	Grass topped. Elev. 26'.	"
2885	Grass covered end of projecting ledge.	"
2886	West end of grass covered rock ledge, projecting from grass covered sand ridges.	"
2887	Center of front of unpainted building. Nearest beach	"
2888	SE corner of vertical cliff	"
2889	Detached rock. Elev. 6' above MHW	"
2890	Large black boulder	"
2891	Broad pinnacle. Elev. 70'.	"
2892	Bird lime rock. Elev. 16'.	"
2893	Top of detached slender pinnacle. Elev. 50'	"
2894	Top of easterly one of prominent double scar.	06242

Listed by:

F. M. Whitson
Engineering Draftsman

Checked by:

Joseph W. Donack
Photogrammetric Engineer

MAP T 8828

PROJECT NO. CS-319

SCALE OF MAP 1:20,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX) VOL. PG.	DATUM	LATITUDE OR ψ -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)	
		N. A.	55 58 20.144				623.0 (1232.7)		
POL, 1945	5 108	1927	55 05 34.904				605.4 (435.3)		
			55 54 44.40				1373.2 (482.5)		
MID, 1945	5 105	"	55 01 08.68				150.8 (891.5)		
			55 54 46.12				1426.4 (429.3)		
PERRY FLAGPOLE 1914	5 113	"	55 08 41.75				725.2 (317.1)		
			55 54 40.218				1243.9 (611.8)		
EVER, 1945	5 108	"	55 03 11.616				201.8 (840.5)		
			55 53 31.281				967.5 (888.2)		
MINNIE 1945	5 108	"	55 09 51.189				889.7 (153.1)		
			55 53 25.642				793.1 (1062.6)		
STAR, 1914	5 98	"	55 10 24.471				425.3 (617.5)		
			55 52 21.696				671.0 (1184.7)		
PETREL, 1945	5 98	"	55 07 03.636				63.2 (980.1)		
			55 51 52.225				1615.2 (240.5)		
DUB, 1914	5 105	"	55 03 10.421				181.3 (862.3)		
AICHI, 1945	5 99	"	55 50 46.881				1449.9 (405.8)		
			55 10 43.238				752.4 (291.6)		
CHI, 1945	5 105	"	55 50 04.314				133.4 (1722.3)		
			55 07 42.897				746.7 (297.7)		
			55 49 41.88				1295.3 (560.4)		
COAT, 1945	5 106	"	55 08 22.31				388.4 (656.1)		
			55 53 07.22				223.3 (1632.4)		
ILE, 1945	5 109	"	55 07 02.63				45.7 (997.3)		

1 FT. = 304800

INCHES

COMPUTED BY

Mildred K. Trautman

DATE

10 March 1947

CHECKED BY

H. R. Rudolph

DATE

13 March 1947

M-2386-12

GEOGRAPHIC NAMES

Coal Cape

Chiachi Island

Chiachi Islands

Perryville

Petrel Island

Pinnacle Rock

Pimusuk Island

Shapka Island

Three Star Point

Alaska Peninsula

Alaska

Braided Streams

9-27-49
L. Heck

GEOGRAPHIC NAMES

Survey No.

T-8828

-14-

GEOGRAPHIC NAMES										
Survey No. T-8828										
Name on Survey	<div>On Chart No. On previous survey No. On U. S. quadrangle Maps From local information On local Maps P. O. Guide or Map Rand McNally Atlas U. S. Light List</div>									
	A	B	C	D	E	F	G	H	K	
<u>Alaska</u>										1
<u>Alaska Peninsula</u>									USGB	2
										3
<u>Coal Cape</u> ✓										4
<u>Perryville</u> ✓										5
<u>Three Star Point</u> ✓										6
<u>Braided Streams</u> ✓										7
<u>Chiachi Islands</u> (group)									USGB	8
<u>Shanka Island</u> ✓										9
<u>Petrel Island</u> ✓										10
<u>Chiachi Island</u> ✓										11
<u>Pimuk Island</u>										12
<u>Pinnacle Rock</u> ✓										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red are approved. 9-27-49

L. Heck

Review Report T-8828
Topographic - September 27, 1949

61. General Statement.--This map could not be properly finished in its northern extremities due to inadequate photo coverage and vertical control.

Elevations of all topographic features not specifically referred to MHW were referenced to Mean Sea Level by the addition of one half the range in tide. The elevations of all peaks and published triangulation stations were referenced to MHW by the Division of Geodesy, and hence have received the above addition to bring them to Mean Sea Level.

62. Comparison with Registered Topographic Surveys.--

No previous surveys in this area.

63. Comparison with Maps of Other Agencies.--

None

64. Comparison with Contemporary Hydrographic Surveys.--

Bp. 40352 1:80,000 1945 Reconnaissance

65. Comparison with Nautical Charts.--

8851 Chiachi Islands Anchorage 1:20,000 2-21-49
~~8859~~ 1:300,000 7-7-45 Shumagin Is. to Sanak I.

A portion of the north part of Chiachi Island on this manuscript was applied to Chart 8851 before review. Two notations "sand and boulders," first and second from left to right, are definitely marked a gravel beach on field inspection photograph 06278. Reference to MHW for the pinnacle rock east of Pinusuk should read (79). No other changes are noted.

The paragraph under 45 in the body of the compilation report is now inapplicable since the chart has been recompiled.

66. Adequacy of Results and Future Surveys.--This map fulfills the project instructions completely and complies with the National Standards of Accuracy.

The pricking of the images of triangulation intersection stations ILB, 1945 and GREEN, 1945 was not ^{done} accurately. ~~done.~~ They served as vertical control only and could not be confirmed photogrammetrically as evidenced by their not holding in the plot to the computed position. Investigation has approved the radial plot and the two stations have been declared of topographic accuracy only. The Division of Geodesy has been notified and

the computed geographic positions and descriptions have been recorded on Form 524 cards under this survey. Better placement of photographic flights on subsequent surveys might possibly result in a better pricking of the image of the points observed. They were both on rounded tops and are considered of good value for vertical control only.

No low water line could be shown from these photographs.

It would appear that a fairly complete field inspection was made for the office compiler and that no additional work need be done on this survey beyond that mentioned under 61 above.

The detailing of the braided streams in the MI part of this survey is impracticable of better accuracy due to the seasonal changing of these features.

Elevations of Δ stations on the peaks were determined by non-reciprocal vertical angles.

67. Accuracy Tests:

Vertical -- It is noted that the 100 foot interval contours conform only to the National Standards of Accuracy for a contour interval of 200 feet. The 100 foot interval contour is definitely within the National Standards of Accuracy for 100 foot contours on Chiachi Island and other islands in the area where a good tie to tide water is possible. This is not necessarily true on the mainland, hence the qualification for the 100 foot contour; however, consultation with the instrument operators discloses that errors are perhaps minimized by the lack/woodland cover, and by the fact they had fairly good models to work with and that the meandering braided stream of slight gradient was a tie for the lowest contour which traverses diagonally across the manuscript.

Horizontal -- No horizontal accuracy test has been run in this area. However, several additional triangulation stations were plotted (specifically on the islands) during review and found to adequately fulfill their descriptions as to position.

Reviewed by:

Roscoe J. French
Roscoe J. French

Approved by:

A. V. Griffith
Chief, Review Section
Division of Photogrammetry

W. E. Edmonson
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

W. M. Scaife
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-8828

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.

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