5932

Diag'd. on Diag. Ch. No. 5530-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric

Field No. CS-262-B Office No. T-5932

LOCALITY

State California

5932

Form T-1

DATA RECORD

T- 5932

Quadrangle (II): Project No. (II): CS-262-B

Field Office: San Francisco, Cal. Chief of Party: Capt. E.H. Pagenhart

Compilation Office: Tampa, Fla. Chief of Party: Lieut. Comdr. G.E.Morris,Jr.

Instructions dated (II III): 8 February 1944 Copy filed in ~~Descriptive Report No. T- (VI)~~ Division of Photogrammetry Office Files

Completed survey received in office:

Reported to Nautical Chart Section:

Reviewed: 15 Sept. 1948 Applied to chart No. 5533 Date: 2/7/47

Redrafting Completed: 8 Nov. 1948

Registered: 25 Aug. 1949 Published: July 1949.

Compilation Scale: 1:10,000 Published Scale: 1:10,000

Scale Factor (III): None

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.H.W.

Reference Station (III): Hamilton Field 1933

Lat.: 38° 2' 47."848(1475.2m) Long.: 122° 30' 23."059(562.2m) Adjusted ~~Unadjusted~~

State Plane Coordinates (VI):
Cal. State Grid - Zone 3

X = Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide	
6444	9/3/41	3:12 P.M.	1:10,000	3.8	
6445	9/3/41	3:12 P.M.	"	3.8	
6446	9/3/41	3:12 P.M.	"	3.8	Above
6452	9/3/41	3:12 P.M.	"	3.8	
6453	9/3/41	3:12 P.M.	"	3.8	MLLW
6454	9/3/41	3:12 P.M.	"	3.8	
6455	9/3/41	3:12 P.M.	"	3.8	
6456	9/3/41	3:12 P.M.	"	3.8	

See supplemental list of single lens photographs filed in Div. of Photogrammetry
Filed under Acc. No 1848

Tide from (III): San Francisco

Mean Range: 4.5 Spring Range: 5.4

Camera: (Kind or source) U.S. C. & G. S. 9-lens 8¼" focal length

Field Inspection by: Capt. E.H. Pagenhart date: 1944

Field Edit by: None date:

Date of Mean High-Water Line Location (III):

March 1944

Projection and Grids ruled by (III) S. R. date: 3/14/45

" " " checked by: W. R. date: 3/14/45

Control plotted by: Milton M. Slavney date: 3/14/45

Control checked by: B.H. Lyon date: 3/20/45

Radial Plot by: B.H. Lyon date: 3/28/45

Detailed by: E. C. Andrews & B. F. Lampton date: May 1945 and November 1946

Reviewed in compilation office by: J. A. Giles date: Dec 1946

Elevations on Field Edit Sheet None
checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 18.4

Shoreline (More than 200 meters to opposite shore): 6.85

Shoreline (Less than 200 meters to opposite shore): 9.3

Number of Recoverable Topographic Stations established: 54

Number of Temporary Hydrographic Stations located by radial plot: None

Leveling (to control contours) - miles: None

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:

T-5932

Field Inspection Report

The Field Inspection Report on Air Photographs by E. H. Pagenhart for Project 262b, sheets T-5926, 5929, 5930, 5932 is filed as a separate report in the Division of Photogrammetry General Files.

COMPILATION REPORT
TO ACCOMPANY
SHEET T-5932 PROJECT CS-262-B

26 & 27 CONTROL AND RADIAL PLOT:

See report submitted by B.H. Lyon, Assistant Photogrammetric Engineer. *Filed in Div. Photogrammetry General Files.*

Attention is called to a letter from E. H. Pagenhart dated 27 February, 1945 stating that all necessary notes and forms covering the triangulation and topographic stations have been forwarded to the Washington Office.

28 DELINEATING:

The delineation of this sheet has been done in accordance with current instructions.

The nine-lens photographs were clear and of reasonably good scale. One chamber of photograph 6453 was rejected in the radial plot. This made it difficult to plot detail points in the area covered by this chamber. It was also very difficult to plot detail points in the mountainous areas, due to the heavy woodland.

The field inspection was very sketchy. Field photographs 6451 and 6490 which contain a small amount of field inspection along the north and south edges of the map manuscript, were not in the office. All applicable information provided by the field inspection has been applied to the map manuscript.

No fences were shown on the map manuscript except for those identified on the field inspection photographs.

There have been numerous changes at Hamilton Field since the nine-lens photographs were made. Most of the new detail was applied from a survey of Hamilton Field, listed under paragraph 29. This survey used an arbitrary 1000 foot grid. Sufficient unchanged detail was applied from the nine lens photographs to control the survey sheet. When a sufficient number of points on the survey sheet grid could be positively located, the remainder of the grid was drawn to scale on the map manuscript. This was used to control the detail applied from the survey sheet.

The single lens photographs listed under paragraph 29, were used to apply any changes not covered by the survey sheet. These were chiefly changes in drainage around the boundaries of Hamilton Field and a few new ditches in other areas. Some farm roads on the nine lens photographs were shown to be of a temporary nature on the single lens photographs and were omitted on the map manuscript.

Detail applied to the map manuscript from the single lens photographs was controlled by detail points in unchanged locations, transferred from the nine-lens photographs.

In the area south of the entrance to Hamilton Field, along Highway 101, there is a new housing project which does not show on any source material. Some roads have been shown leading into the area, but are not complete.

Sheet three of the Cordelia-San Rafael Tower Line, listed under paragraph 29, shows that the tower line has been relocated between towers 27/169 and 28/176. The new position of the line was located by means of distances and azimuths given on the sheet.

29 SUPPLEMENTAL DATA:

43 1:10,000 single lens contact prints, as follows:

HF-1-1 through 12
HF-1-11B
HF-1-12B
HF-2-1 through 14
HF-3-1 through 15

These photographs were furnished by the San Francisco office. No other data about them is known except that their date is much later than the nine-lens photographs.

Survey of Hamilton Field, 908th Engineer A.F. HQ. Co.

Cordelia-San Rafael Tower Line, drawings number 21162, 28110, and 28111. Pacific Gas and Electric Company.

30 MEAN HIGH WATER LINE:

The mean high water line has been delineated according to field inspection notes.

31 LOW WATER AND SHOAL LINES:

Low water and shoal lines were delineated according to field inspection notes.

32 DETAILS OFFSHORE FROM THE HIGH WATER LINE:

There are several piles and an airplane wreck offshore. These have been located by radial plot methods.

33 WHARVES AND SHORELINE STRUCTURES:

All docks, wharves and other structures noted by the field inspection have been delineated accordingly.

34 LANDMARKS AND AIDS TO NAVIGATION:

The recoverable topographic stations established at the Hamilton Field Standpipe and the tallest tower on St. Vincent's School have been recommended for use as landmarks by the field inspection party.

Four beacons in the channel leading to Hamilton Field have been located by radial plot methods.

The above stations have been recorded on Form No. 567 and are submitted with this report. Copies attached to this report.

Two other beacons in the channel leading to Hamilton Field were recovered by the field inspection party. However, they could be identified on only two photographs and could not be located by radial plot methods.

35 HYDROGRAPHIC CONTROL:

Instructions to field party dated 8 February, 1944 state that no hydrographic stations need be selected.

36 LANDING FIELDS AND AERONAUTICAL AIDS:

The only landing field on the map manuscript is Hamilton Field. This field was delineated as described under paragraph 28. There is no information as to aeronautical aids in the area.

37 RECOVERABLE TOPOGRAPHIC STATIONS:

Recoverable topographic stations were established at 41 transmission towers, at 4 beacons in the channel leading to Hamilton Field, at 5 radio towers at the Army Black Point Transmitting Station, at two pumphouse gables along the shoreline, at the Hamilton Field standpipe, and at the tallest tower at St. Vincent's School.

Five bench marks were pricked on the field photographs for the purpose of establishing recoverable topographic stations; however, the pricking cards could not be found. No attempt was made to show these.

No attempt was made to establish recoverable topographic stations at the relocated transmission towers between towers 27/169 and 28/176 on the Cordelia-San Rafael tower line.

The plans of the Cordelia-San Rafael Tower Line listed under paragraph 29 were used to identify the numbers of the transmission towers. These sheets did not give complete coverage for all of the transmission line shown on the map manuscript. However, since the lower part of the tower numbers are in sequence, the towers in these areas have been

The chief changes are as follows:

Hamilton Field has been added. Much of the marshland north of Gallinas Creek has been reclaimed and ditches and levees have been added. Many of the levees shown on the nautical chart in the cultivated area south of Novato Creek could not be discerned through a stereo-

Form 567
April 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

FOR COAST PILOT

NONFLOATING AIDS ~~OR LANDMARKS FOR CHARTS~~

TO BE CHARTED / ~~TO BE DELETED~~ } STRIKE OUT ONE

Tampa Photogrammetric Office Nov. 20, 1946

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 R. Dossett

Lieut. Comdr. George E. Morris, Jr.
Chief of Party.

STATE: California

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION 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
Bn 14	Beacon in channel leading to Hamilton Field		38 02	1601	122 28	973	N.A. 1927	Radial Plot	March 1944	x			5533
Bn 16	"		38 02	1622	122 28	1414	"	"	"	x			"
Bn 18	"		38 02	1643	122 29	393	"	"	"	x			"
Bn 20	"		38 02	1666	122 29	875	"	"	"	x			"

Completed Chart L. 65 (194)

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 considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES

Survey No.

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
Gallinas Creek										1
Novato Creek										2
Hamilton Field										3
San Pablo Bay										4
Gallinas										5
Saint Vincent School and Saint Vincent Station										6
Miller										7
Dixie School										8
Miller Creek										9
Pacheco Hill										10
Ignacio and Ignacio Station										11
De Witt										12
U.S. Highway 101										13
Northwestern Pacific R.R.										14
Arroyo San Jose										15
N.W.P. Sonoma Valley R.R.										16
State Highway 37										17
California										18
Martin County										19
										20
		Names underlined approved. 9-9-48. a.j.w.								21
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										27

M 234

September 15, 1948

Division of Photogrammetry

Review Report of

Planimetric Map Manuscript T-5932

Subject numbers not used in this review report have been adequately covered in other parts of the Descriptive Report.

28. Detailing:

Necessary additions and corrections were applied to the compilation from the source material available. Several field inspection photographs were not available to the reviewer.

44. Comparison with Existing Topographic Surveys:

T-472	1:10,000	1854
T-1827	1:10,000	1887
T-2447	1:10,000	1897-8
T-4014	1:10,000	1921

These surveys are superseded by T-5932 in all common areas, except for contours for charting purposes.

45. Comparisons with Nautical Charts:

5533	1:40,000	1940 (48-3/8)

The chart and map manuscript are in good agreement, with the exception of the airport. Hamilton Field had not been constructed when chart 5533 was published in 1940.

51. Application to Nautical Charts:

This map manuscript was partially applied to chart 5533 (2-7-47) prior to review.

52. Classification

There are no classified areas within the limits of this map. K.H.M. 8/25/49

Reviewed by:

J. J. Streifler
15 September 1948

Approved by:

S. V. Griffith
Chief, Review Section

Chief, Nautical Chart Branch
Division of Charts

K. T. Adams
Chief, Div. of Photogrammetry

Chief, Div. of Coastal Survey

NAUTICAL CHARTS BRANCH

SURVEY NO. T 5932

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
2/7/47	5533	McGann	Before ~~After~~ Verification and Review Partially
1953	5533	Zunea & Daughtry	~~Before~~ After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review