

5922

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo Compilation

Field No. CS-262-C Office No. T-5922

LOCALITY

State California

General Locality San Francisco Bay

DEM
B-5922

Geographic (I):

Project No. (II):

Location: San Francisco

Chief of Party: E. H. Pagenhart

Location: Tampa, Fla

Chief of Party: J. C. Rose

Photographic Series (III): Feb. 8, 1944

Scale Factor: 1:10,000

Geographic Datum (III): N.A. 1927 Scale Factor (III):

Reference Datum (III): South Dutch Windmill, 1916 Datum Plane (III): MHW

37°45'54"204
(1671.1 Meters)

Longitude 122°30'27"308
(668.4 Meters)

Adjusted
Unadjusted

PHOTOGRAPHS (III)

Index	Date	Time	Scale	Stage of Tide
5483	5/18/41	10:43	1:10,000	+0.3
5484	5/18/41	10:43	1:10,000	+0.3
5485	5/18/41	10:43	1:10,000	+0.3
5304	5/14/41	4:04	1:10,000	4.7
5305	5/14/41	4:04	1:10,000	4.7
5306	5/14/41	4:04	1:10,000	4.7

Point Lobos, San Francisco, Golden Gate

San Francisco North Point

5.9'

4:01

Swelling Springs: 5.8'

4:01

U.S.C&G.S. 9 Lens 8 1/4 in

by:

April 1944

Between Mar. & April 15

by (III) J.T. & ALT, Wash. D.C. 8/18/44 (1944)

by J.T. & ALT, Wash. D.C. 8/18/44

M.M.S.

Date: Oct. 15, 1944

BH. Lyon

Date: Oct. 15, 1944

B. H. Lyon

Date: Nov. 10, 1944

R. Dossett

Date: Nov. 1944

by: J. A. Giles Date: Dec. 18, 1944

State Coordinator: Calif. Zone 3

STATISTICS (III)

2 1/2

16.2

3/5

7

10

* See note on field photograph No. 5485

MAIN RADIAL PLOT

T- 5922

Project CS 262 C

The projection for this sheet was received in this office on August 25, 1944. Control was plotted and checked by use of beam compass and meter bar method by members of the control section.

A circle with 14-inch radius was drawn upon each photograph for the purpose of utilizing the central portion of the photographs in preference to the outer extremities.

Secondary control was selected approximately 5 inches apart within the confines of the 14-inch circle. Primary control was picked on all photographs irrespective of its relation to the 14-inch circle, unless the area was somewhat obscured by faulty printing on a particular photograph. All azimuths between centers were drawn on photographs by means of the stereoscope and radial liner method. This method, incidentally, was used to determine the fact that no tilt was present in sufficient quantities to cause difficulty in obtaining a strong radial plot. If tilt is present to a degree sufficient to cause trouble it will not be possible to draw azimuths through precisely the

Outside sheet limits,

Wharf House Gable, 1916
Alcatraz Water Tank, 1940
Alcatraz Lighthouse, 1910
Bonita Point Lighthouse, 1909
City Hall Steeple, 1932

Identification of all points listed is excellent.

(B) PHOTOGRAPHS

*5483	*5490	5306
5484	*5491	5308
5485	*5492	5309
5486	*5303	5310
5487	5304	6313
*5489	5305	6314

* used in plot, but off sheet limits.

Photograph coverage for this plot was excellent.

(C) CLOSURES AND ADJUSTMENT

The regular procedure was followed in laying templets with strongest fixes first and then laying progressively through ones with weaker fixes. Excellent intersections were obtained throughout and azimuths to adjacent photographs were held. Some tilted photographs were noted and particular attention was given to all intersections formed by use of these photographs. No case was found where any improvement could be made by tilt computation. Although only the shoreline is to be detailed, the plot was necessarily completed for the entire sheet.

(D) AREAS OF QUESTIONABLE ACCURACY

It is believed that all parts of this sheet fall well within the prescribed limits of accuracy.

(E) GENERAL

Secondary control was shown on the projection with double blue circles of 2.8 mm and 1.5 mm radii.

Photograph centers were shown with double blue circles of 4.0 mm and 2.8 mm radii. The sheet was turned over to the draftsman for the location of additional control or detailing points.

Forwarded by:

J. C. Bose
J. C. Bose
Chief of Party.

Respectfully submitted,

Bennie H. Lyon
Bennie H. Lyon
Chief Aero. Map Draftsman

DESCRIPTIVE REPORT
To Accompany
SHEET NO. T-5922

26. & 27. CONTROL & RADIAL PLOT

See report submitted by E. H. Lyon, Chief
Aeronautical Draftsman, which has been incorporated in
this report.

Attention is called to a letter from E. H.
Bogert dated 2/27/45 stating that all necessary notes



5304 was cut in , giving its position about the center of the bridge and was labeled F. G. Light. Chart No. 5532, shows a light opposite this position on the western edge of the bridge. It is believed this is the same light but no substantiating information is available.

*Position on attached
Form 567. C.L. 529(1945)*

35. HYDROGRAPHIC CONTROL

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

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES.

A comparison was made with the U. S. G. S. and The U. S. Corps. of Engineer San Mateo and San Francisco Quadrangles. U. S. Corp of Engineers Quadrangle is of the later edition. The small scale of the Quadrangles made a thorough comparison of detail difficult. No outstanding differences could be noted along the shoreline, other than the Golden Gate bridge and the absence of large buildings constructed for the Panama- Pacific International Exposition. The Fine Arts building, still remains.

45. COMPARISON WITH NAUTICAL CHARTS.

A comparison was made with U. S. C & G. S. nautical chart # 5532, having a print date of October 7, 1944 and chart # 5535, with a print date of July 13, 1944.

The only outstanding change noted along the shoreline is just north of Fleishhacker's pool between latitudes 37° 44' and 37° 45'. In this area there has been constructed a concrete platform which extends inshore to the bluff. The bluff in this area is washing inshore toward the highway. These discrepancies are shown on the map drawing.

Respectfully submitted,

Rudolph Dossett
Rudolph Dossett,
Print Photo Aid

& Russell J. Pate,
Photo. Aid

Russell J. Pate

Forwarded by:

J. C. Bose
J. C. Bose,
Chief of Party.

D.M.s and D.P.s

to accompany

Sheet No. T-5922

STATION	LATITUDE		LONGITUDE
B.M. N-568; 1939	37°-43'	1464 (386)	122°-30' 165 (1305)
B.M. P-568; 1939	37°-44'	330 (1520)	122°-30' 474 (995)
B.M. Q-568; 1939	37°-45'	123 (1726)	122°-30' 635 (834)
Tidal B.M. No. 64	37°-48'	1023 (827)	122°-28' 692 (776)
Tidal B.M. No. 166 (Presidio)	37°-48'	675 (1175)	122°-27' 247 (1221)
Tidal B.M. No. 180 (Ft. Point)	37°-48'	605 (1245)	122°-27' 1301 (87)
Tidal B.M. No. 4, 1938	37°-46'	500 (1350)	122°-30' 804 (665)
136 Pergola (Topo)	37°-47'	655	122°-29' 313

(COPY FOR COAST PILOT SECTION) U.S.

TO BE CHARTED

STRIKE OUT ONE

LANDMARKS FOR CHARTS

Tampa Photogrammetric Office
1101 E. Broadway, Tampa, Fla.

March 18, 1945

I recommend that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, be charted on ~~(S-2222222222)~~ the charts indicated.

The positions given have been checked after listing.

J. C. Bone

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

PILOT SECTION)

LANDMARKS FOR CHARTS

STRIKE OUT ONE

Tampa Photogrammetric Office
1101 E. Broadway, Tampa, Fla March 19, 1945

It that the following objects which have (have not) been inspected from seaward to determine their value as landmarks, is given have been checked after listing.

J. C. Bose

Chief of Party.

LAND DESCRIPTION	POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	LATITUDE		LONGITUDE									
	O	I	D. M. METERS	O	I	D. P. METERS						
Francisco	37	46	507	122	-30	827	N.A.	1927	Radial Plot	4/21/44	V	5532
K	37	46	1802	122	-30	445	"	"	"	4/20/44	V	5532
1930	37	47	115.6	122	-29	1467.2	"	"	Triangulation	1930	V	5532
POLE	37	48	395	122	-27	1463	"	"	Radial Plot	5/25/44	V	5532
A FORT PT. C.G.	37	48	612	122	-27	1407	"	"	"	4/21/44	V	5532
POLE	37	48	691	122	-26	533	"	"	"	5/25/44	V	5535
H WINDMILL, 1916	37	46	426.1	122	-30	732	"	"	Triangulation	1916	V	5532
SCO PINE ARTS	37	48	331.1	122	-26	1231.4	"	"	"	1925	V	5532
US MOST WESTERLY	37	46	953.5	122	-27	131.2	"	"	"	1916	V	5532
6	37	45	1671.1	122	-30	668.4	"	"	"	1916	V	5532
RS POOL STACK 1929	37	44	197.5	122	-30	356.0	"	"	"	1929	V	5532
PEAK, 1916	37	45	375.7	122	-26	1142.9	"	"	"	1916	V	5532
			Page -2-									

all be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted and not by individual field survey sheets. Information under each column heading should be given.

m 567
April 1942)

LANDMARKS FOR CHARTS

TO BE CHARTED } **STRIKE OUT ONE**

Tampa photogrammetric office
1101 E. Broadway, Tampa, Fla.
March 19, 1945

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

The positions given have been checked after listing.

J. C. Rose

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.

(COPY FOR COAST PILOT SECTION)

STRIKE OUT ONE

**TO BE CHARTERED
~~TO BE CHARTERED~~**

**Tampa Photogrammetric Office
1101 E. Broadway, Tampa, Fla.**

~~CONFIDENTIAL~~

~~STRIKE OUT ONE~~

~~1101 K. Broadway, Tampa, Fla.~~ ~~March 15, 1945~~

I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be deleted-on (deleted from) the charts indicated.

The positions given have been checked after listing.

J. C. Pogo

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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. T-5922

Name on Survey	GEOGRAPHIC NAMES									
	Survey No. T-5922									
	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		
A	B	C	D	E	F	G	H	K		
California									USGB	1
San Francisco									"	2
San Francisco Bay									"	3
Pacific Ocean										4
U.S. No. 101										5
State No. 1										6
<u>State No. 5</u>										7
Lake Merced										8
Fort Funston										9
Fleishhacker Zoo										10
Sunset										11
Laguna Honda Home										12
Mt. Davidson									(highest elev. in San Francisco)	USGB 13
Twin Peaks										14
Golden Gate Park										15
Point Lobos										16
Seal Rocks										17
Cliff House										18
Landsend										19
Mile Rocks										20
Seacliff										21
Baker Beach										22
South Bay										23
Golden Gate										24
Golden Gate Bridge										25
Fort Point										26
Fort Winfield Scott										27
Presidio										28

Names underlined in red are approved.

4/4/49 L. Heck

M 234

Names underlined in red are approved. 4/4/49 L. Heck

Division of Photogrammetry
Review Report of
Shoreline Map Manuscript T-5922

Subject numbers not used in this review report have been adequately covered in other parts of the descriptive report or are inapplicable.

27. RADIAL PLOT

A strong plot with all parts within the required limits of accuracy.

42. COMPARISON WITH HYDROGRAPHIC SURVEYS

No details were transferred to the present survey.

43. COMPARISON WITH PREVIOUS TOPOGRAPHIC SURVEYS

A comparison with previous surveys was made. The present survey supersedes them in their common areas and in comparable detail.

46. APPLICATION TO NAUTICAL CHARTS

Survey T-5922 has not been applied to chart 5532 as of the date of this review.

This map is unclassified. See letter attached to T-5920

Reviewed by:

Under the direction of:

R. J. Tallman

D. H. Benson

R. J. Tallman, 27 April, 1945 *RJM*

Chief, Review Section *RJM*

APPROVED BY:

B. G. Jones

Technical Assistant to the
Chief, Div. of Photogrammetry

H. C. Edmonson

Chief, Nautical Charts Branch
Division of Charts

K. T. Adams

Chief, Div. of Photogrammetry

W. M. Soule

Chief, Div. of Coastal Surveys

[illegible]