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U. & G. SURVEY
L. & A.
MAR 20 1917
Acc. No.

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: CALIFORNIA

11-5813

DESCRIPTIVE REPORT.

Top. Sheet No. 3652

LOCALITY:

San Francisco Waterfront
Exposition Grounds to
Pier #41

1917

CHIEF OF PARTY:
L. O. Colper?

3652

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
E. Lester Jones, Superintendent.

Descriptive report
to accompany

TOPOGRAPHIC SHEET (F) 3652.

REVISION OF TOPOGRAPHY OF
SAN FRANCISCO BAY

Surveyed under direction of

L. O. Colbert, Assistant.
Chief of Party

by

H. T. Kelsh, Assistant.

February - 1917

Scale. -- 1 : 5000.

DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY

E. Lester Jones, Superintendent.

Descriptive Report to accompany Topographic Sheet No. F

TOPOGRAPHIC REVISION

of

San Francisco Bay.

Limits of Sheet:-

This sheet embraces the shoreline of the San Francisco side of the Bay from Pier 41 to the Exposition Grounds.

Control and Methods of Survey:-

The work was controlled by a number of triangulation stations.

Occupying triangulation signal Light, Pier 41, a traverse was run to Black Point; and another from triangulation signal Transport to Pan. at the Exposition Grounds.

No attempt was made to get all the small buildings, but the larger ones were located; within the first block by direct readings, and after that by cuts.

The portion of the sheet to the east of Pier 41 is covered by the map of the water front issued by the Harbor Commission. This was gone over in the field and a few buildings sketched on.

Goat Island and Alcatraz Island are Government reservations and were not rerun.

Party:-

The party consisted of one officer and two rodmen. The various points of the survey were reached by trolley car.

Scale:- 1 : 5000.

Detailed Description of Shoreline:-

Pier 41 and the shed to the westward are as shown on the chart.

The small harbor for fishing boats beyond the ferry slip, has been changed ~~as~~^{from that} shown on the chart and is being enlarged. The L shaped breakwater of rock has already been built. The dashed lines indicate the part remaining to be finished. This will go thru the present wall, extending out to the detached pier, which will be cut away. There is a railway trestle, leading to the tunnel, which is not shown on the chart. At Black Point the section indicated by dashed lines was not rerun.

The Exposition Grounds are now in a period of transition. The buildings, with the exception of the Palace of Fine Arts and a small group of buildings in that vicinity, have been removed, leaving a flat open field.

Contours:- No contours were run as the sheet is complete in that respect.

Statistics of Sheet:-

Area surveyed in square miles	
Length of general coastline in statute miles.	2 $\frac{1}{4}$
" " shoreline of Rivers	—
" " " " Creeks	—
" " " " Ponds	—
	$\frac{0\frac{3}{4}}$
Length of roads in statute miles	
Topographic sheets finished, number of,	1
" " " " , scale of,	1 : 5000.

Respectfully submitted,

Approved,

L. O. Gilbert

Nancy T. Kehler

Assistant, C. & G. Survey.
Observer and Compiler.

Assistant, C. & G. Survey.
Chief of Party.

LIST OF PLANE TABLE POSITIONS:-

<u>OBJECT</u>	<u>LATITUDE</u>	<u>D.M.</u>	<u>LONGITUDE</u>	<u>D.P.</u>
Flagpole, Black Point	37 - 48	810	122 - 25	900
Black Iron Chimney Power house	37 - 48	555	122 - 25	102

21133

DEPARTMENT OF COMMERCE

Topographic Sheet F
Revision of Topography
San Francisco Bay

Surveyed under the direction of

L. O. Colbert Assistant
chief of Party

by

H. T. Welsh, Assistant

February 1917

scale $1/5,000$

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3652.

State . . . California.

General locality . . San Francisco Bay.

Locality . San Francisco side, from Pier 44 to Exposition Grounds.

Chief of party . . L. O. Colbert.

Surveyed by . . . H. T. Kelsh.

Date of survey . . . February, 1917

Scale . . . ~~1:10000~~ 1:5000

Heights in feet above

Contour interval . None. feet.

Inked by . H. T. Kelsh . Lettered by . H. T. Kelsh.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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U. S. Coast and Geodetic Survey.

Register No. _____

State . . . **California.**

General locality . . **San Francisco Bay.**

Locality **San Francisco side, from Pier 44 to Exposition Grounds.**

Chief of party . . **L. C. Colbert.**

Surveyed by . . . **H. T. Kelsh.**

Date of survey . . . **February, 1917**

Scale . . **1:10000.**

Heights in feet above

Contour interval **None** feet.

Inked by **H. T. Kelsh.** . Lettered by **H. T. Kelsh.**

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks:

3652a

C. L. BENT
JUL 20 1910

3652a

Form 504
 DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY

State: *California*

11-5013

DESCRIPTIVE REPORT.

Topo Sheet No. *3652a*

LOCALITY:

San Francisco water-
front, Exposition

Grounds - to - Pier 41

1910

CHIEF OF PARTY:

F. G. Engle, H. G. E.

Descriptive Report.

To accompany Topographic Sheet

San Francisco Waterfront, Exposition grounds to Pier 41

Revision under instruction dated July 25, 1919.

This sheet is a small bromide copy of Colbert's revision of 1917. The work consisted of examining the copy for changes and making the alterations with the aid of the planetable. Mr. R.F.A. Studde, then Deck Officer, and two men from the deck comprised the party. They went to and from the working grounds each day, the ship being berthed at Pier 38, San Francisco.

NO traverses were run, the topographer locating himself when necessary by the aid of contiguous topography or such signals as could be used. No planetable positions were established.

A few changes have been made in the small wharves at North Beach, which is used almost exclusively by small fishing boats. A warehouse has been built on pier #41 and pier #43 has been extended.

Two Δ stations have been lost; "Pan" is gone completely and Light, Pier 41, has been moved. Its new location, as determined by tape, is shown on the sheet.

R. F. A. Studde
J. H. G. U.S.C. & G.S.

Approved.

F. G. Cagle
HYDROGRAPHIC & GEODETIC ENGINEER
CHIEF OF PARTY, C. & G.S.

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-MEM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

SECTION OF FIELD RECORDS

REPORT ON TOPOGRAPHIC SHEET No. 3652^a

Surveyed in 1919.

Chief of Party: F. G. Engle Surveyed by R. F. A. Studds.

Inked by R. F. A. Studds.

1. The plan and character of the work fulfill the requirements of the General Instructions. The changes should have been shown in color so that they might be easily distinguished from the old work.
2. The plan and extent of the work satisfy the specific instructions.
3. No further surveying is required in the area covered by the sheet.
4. The character and scope of the surveying and field drafting are good.
5. Reviewed by E. P. Ellis, October, 1921.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

REVISION Register No. 3652^a -

State . . . California

General locality San Francisco Waterfront . . .

Locality . . . Exposition grounds to Pier 41

Chief of party F.G. Engle

Surveyed by R.F.A. Studde

Date of survey September, 1918

Scale 1 to 5,000

Heights in feet above -

Contour interval feet.

Inked by R.F.A.S., . . . Lettered by R.F.A.S.

Records accompanying sheet (check those forwarded): Photographs,
 Descriptive report, Horizontal angle books, Field computations,
 Data from other sources affecting sheet . . . none

Remarks:

3652b

3652b

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

C. & G. SURVEY

L. & A

APR 30 1930

Acc. No.

State: California

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. A 3652b

LOCALITY

San Francisco

Golden Gate

Black Pt.

30
192

CHIEF OF PARTY

T. J. Maher

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET 'A'

LOCALITY AND LIMITS

The area of this sheet is located on the south side of Golden Gate about two miles east of Fort Point. The sheet shows the waterfront and adjacent streets from the St. Francis Yacht Club to the Transport Wharf at Fort Mason.

AUTHORITY

Verbal instructions from the inspector of the San Francisco Field Station of April 10, 1930.

CONTROL

The control consisted of three recovered intersection stations, Alcatraz Light House, Flagpole at St. Francis Yacht Club, and the Dome of the Fine Arts Bldg. Triangulation data shows a statue at the intersection of Marina Blvd. and Scott St. The Statue is gone and no trace of it was found.

SURVEYING METHODS

Plane table location was originally determined from a solution of the three point problem. A traverse was carried along the shore line, checking by resection. No closing error resulted. The topographic detail was rodded in from plane table positions. No elevations were taken or contours determined.

Respectfully submitted

Harold J. Oliver
Harold J. Oliver

LIST OF PLANE TABLE POSITIONS

DESCRIPTION	LATITUDE	D.M. METERS	LONGITUDE	D.P. METERS
1. Gas Holder Center	37-48	457	122-25	1321
2. Stack, Brick	37-48	552	122-25	13766

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

3652b

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter A

REGISTER NO. 3652b

State California

General locality San Francisco, ~~Golden Gate~~

Locality ~~Golden Gate~~ Black Pt.

Scale 1/10,000 Date of survey April, 1930

Vessel San Francisco Field Station

Chief of Party T.J. Maher

Surveyed by G.L. Bean & H.J. Oliver

Inked by H.J. Oliver

Height ~~in feet above ground or tops of trees~~

Contour Approximate contour Form line interval _____ feet

Instructions dated Verbal Instructions of April 10 19 30

Remarks: _____