3652

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

State: CALIFORNIA

LOCALITY:
San Francisco Waterfront
Exposition Grounds 10
Pier #41

1917

CHIEF OF PARTY:
L. O. Crepet
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 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}{2}
- " shoreline of Rivers ...................................
- " Creeks ...........................................
- " Ponds ...........................................

Length of roads in statute miles 0\frac{2}{3}

Topographic sheets finished, number of, ................. 1
- " scale of, ............... 1 : 5000.

Respectfully submitted,

Approved,

[Signature]

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

[Signature]

Assistant, C. & G. Survey.
Chief of Party.
<table>
<thead>
<tr>
<th>OBJECT</th>
<th>LATITUDE</th>
<th>D.M.</th>
<th>LONGITUDE</th>
<th>D.P.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flagpole, Black Point</td>
<td>37 - 48</td>
<td>810</td>
<td>122 - 25</td>
<td>900</td>
</tr>
<tr>
<td>Black Iron Chimney</td>
<td>37 - 48</td>
<td>555</td>
<td>122 - 25</td>
<td>102</td>
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<tr>
<td>Power house</td>
<td></td>
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</table>
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. Felch Assistant

February 1917

scale 1/5,000

No. 203
Ed. 3-15-16-300,000
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. Calbert.

Surveyed by . . . H. T. Kelsh.

Date of survey . . . February, 1917.

Scale . . . 1:5000

Heights in feet above . . .

Contour interval . None, feet.


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

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. __________

State . . . California.

General locality . San Francisco Bay.

Locality . San Francisco side, from Pier #4 to Exposition Grounds.

Chief of party . L. C. Gilbert.

Surveyed by . . . H. T. Keleh.

Date of survey . . February, 1917.

Scale . . . 1:10000.

Heights in feet above . . . . . .

Contour interval . . . . . . .


Records accompanying sheet (check those forwarded): Photographs,
Descriptive report, Horizontal angle books, Field computations,
Data from other sources affecting sheet . . . . . . .

Remarks:

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

State: California

DESCRIPTIVE REPORT.
Topo Sheet No. 3652a

LOCALITY:
San Francisco Waterfront, Exposition Grounds to Pier 41

19120

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

Alfred

T. G. Eagle

Hydrographic & Geodetic Engineer

Chief of Party, C & G.S.
Department of Commerce
U. S. Coast and Geodetic Survey
Washington

Section of Field Records
Report on Topographic Sheet No. 3652A
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.
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. \(\frac{365}{2}\) -

State ... California ...

General locality ... San Francisco, Waterfront ...

Locality ... Exposition grounds to Pier 41 ...

Chief of party ... F.G. Engle ...

Surveyed by ... R.F.A. Studds ...

Date of survey ... September, 1918 ...

Scale ... 1 to 5,000 ...

Heights in feet above ...

Contour interval ... 7 ... 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:
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
E. S. Patton, Director

C. & G. SURVEY
L. & A
APR 80 1930
Acc. No.

State: California

DESCRIPITIVE REPORT
Topographic Sheet No. A 3652b

LOCALITY
San Francisco
Golden Gate
Black Pt.

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
# LIST OF PLANE TABLE POSITIONS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>D.M.METERS</th>
<th>LONGITUDE</th>
<th>D.P.METERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center</td>
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</tr>
<tr>
<td>2. Stack, Brick</td>
<td>37-48</td>
<td>552</td>
<td>122-25</td>
<td>13765</td>
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</table>
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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 above mean sea level

Contour Approximate contour Form line interval feet

Instructions dated Verbal Instructions of April 10 19 30

Remarks: 

U. S. COAST AND GEODETIC SURVEY