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RECEIVED
L. O. C. & Co.
San Francisco 1917

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

State: CALIFORNIA
11-5013

DESCRIPTIVE REPORT.

Top. Sheet No. 3653

LOCALITY:

San Francisco Bay - East

Shore - Oakland to

Brooks Id

1917

CHIEF OF PARTY:
L. O. Colbert

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

DESCRIPTIVE REPORT

of

TOPOGRAPHIC SHEET 3653

REVISION OF TOPOGRAPHY OF
SAN FRANCISCO BAY

Surveyed under direction of

L.O. Colbert, Assistant.
Chief of Party

by

H. T. Kelsh, Assistant.

January - February

1917

Scale. 1 : 10,000.

L.O.C. 1916-17.

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

Descriptive Report of Topographic Revision Sheet C
of
San Francisco Bay.

Limits of Sheet:--

This sheet embraces the portion of the east end of San Francisco Bay from Shoal Point, Richmond, to San Antonio Creek, Oakland.

Methods of Survey:--

The work was controlled by a ^{very} few triangulation signals. The work was started by occupying station Brooks 2, cutting ⁿall the prominent objects visible along the main shore; then occupying the station outer gable of wharf house at University Avenue wharf and locating that point by resection, checking on a few objects visible in this locality, and cutting in objects observed from Brooks. With this as a start short traverses were run between the points so determined. Most of the old triangulation signals were gone or could not be occupied. A few points were obtained from the triangulation revision party.

No important objects were sketched, and practically all the buildings shown were well located, altho no attempt was made to get more than the general shape.

The parts of the shoreline that were not rerun are shown by dashed lines. All was inspected. While quite a portion of the shoreline in the vicinity of Berkeley and Emeryville was probably unchanged, it was all rerun as the piers and docks are small, and the only data furnished being the old chart in a 1:40,000 scale, small changes were unnoticeable.

In accordance with paragraph 176, general instructions for field work, maps were obtained of the streets of Richmond, Berkeley and Oakland and are forwarded with the sheet. In addition, blue prints and maps were obtained of the ferry piers at Oakland. They are in a large scale and verified in the field. Lack of time made it impossible to reduce these to the chart. Their general location and connection with the parts observed has been shown on the sheet, and as in general the changes are small they may be easily transferred to the chart in the office.

Notes will be found on the sheet referring to everything not perfectly clear.

Scale of Sheet:- 1 : 10,000.

Party:-

The party consisted of one officer and two rodmen. Transportation was by means of trolley line, which all along this shore run within a mile of the beach.

Detailed Description of Shoreline:-

Brooks Island:-

The buildings on Brooks Island tho unimportant were put in, but the shoreline which showed no change was not rerun.

On the shoreline north of Stege the swampy ground commences, and from here around to the north side of the bight to Shoal Point there are no important changes.

At Stege the powder works occupy the same place.

The California Cap Works at the north side of the wharf consists of a number of low buildings fenced in, and permission was refused to enter the grounds. However, the old chart showing a group of buildings at this place is sufficiently good.

Streets are now laid out practically to the waters edge north of here, but ~~no~~ there are no houses. For these see accompanying map of Richmond. There is only one pier here now. The Stauffer Chemical Co. is just south of the pier.

From the above to Point Isabel there are no improvements. The shoreline was not rerun.

Off shore in this vicinity there are a large number of piles driven under the direction of the Navy for testing bottom etc., for consideration as a naval base. These were marked distinctly and were cut in as requested. It is not known if it is intended that these shall be removed or not.

The houses on Point Isabel were put on and portions of the shoreline. The Point, other than shown, appeared to be the same, and no attempt was made to get all the shore. This was a former powder manufacturing plant, but is now largely abandoned. Many of the buildings are in ruins and some of them are being torn down.

Detailed Description of shoreline:- Continued;

A small section was rerun at Nobel to get the few buildings there and to verify the shoreline. The shoreline is the same.

The spur of railroad running down to Fleming Point is the same as shown, but there are no houses where the spur is shown to leave the main track. The shoreline of Fleming Point was found to be unchanged. The wharf projecting from the tip of the Point however, is gone, only the outer portion remaining.

About a quarter of a mile south of the point and about the same distance inshore is a tall concrete chimney alongside the city incinerating plant. The chimney is very prominent.

From here south the shoreline was run continuously, for it is practically built up solid, and it was impossible to distinguish small changes on the 1 : 40,000. chart, the only data furnished.

For the streets in this vicinity see the accompanying map of Berkeley.

There are ^a few changes in the piers at University Avenue, West Berkeley.

About half a mile south of this the shore is formed by a rough piled rock sea wall for the railroad. This is about three-quarters of a mile in length.

Half way along the wall and about 100 meters back from the shore, stands the Peet Bros. Soap Co., a three story brick building; there are two important objects here, the concrete chimney, 140 feet high; and the black iron water tower about twenty-five feet lower.

From here to Shellmound Park the shoreline is a series of small docks and buildings. The race track shown on the chart is gone, and is now an open field. Shellmound Park however, still remains between the railroad and the shore.

The shoreline to the Key route pier is about the same.

The outer end of the pier was not rerun. A blue print is attached showing the present form of the pier. The outer end is practically the same, except that another small slip has been added and a long fill has been carried out; from that the track curves to meet the old line. Both trestles are used.

Detailed Description of shoreline:- Continued;

The sewers shown just south of the piers are the same. The old trestle which paralleled the shore about 400 meters offshore, is now decayed, and only the pilings remain.

The Fourteenth Street extension is the same as on the chart. There is a small boathouse on the outer end, and north of this is a stone breakwater, with a narrow entrance forming a spillway for the tide flats behind.

The ground back of the bulkhead just south is now being filled.

The present high water ^{mark} as run was indefinite, and is being changed ^{by fill}.

At the south end is the Southern Pacific Pier. Albers is now erecting a large building at this place. There is a new bulkhead on the south side of this pier and the land has been filled in behind it. The outer end of the pier was inspected but not rerun. The accompanying blue-print shows the southwest corner, so that the beginning of the bulkhead line can be obtained: the inner end and the details of the round-house etc.; are also given; this sheet is listed No. 2. The inner corner of the bulkhead was however, located, so that this can be easily tied in. There is also a blue print of this and the R.R. building here, listed as No. 3.

A very complete blue print of the Western Pacific was obtained, and this was checked over in the field. The north side of the mole is not straight as shown, but consists merely of irregular marshy shoreline, with tide flats between this and the piers. This has been sketched in on the blue print, listed no. 4, and also shown with sufficient accuracy on the War Department map showing this vicinity.

The R.R. yards remain between the Southern Pacific and Western Pacific Moles, and the shoreline, other than that rerun, is practically the same.

The channel to the inner harbor was not rerun, but the ground on each side as far as the bridge, was gone over with the War Department map, and found to be as shown on the attached map;

Prominent Objects:-

A few prominent objects have been tabulated in the list of plane table positions attached, but the more prominent ones were located by the triangulation revision party, and the locations will be found in that data.

Contours:-

No contours were run, as the present chart is very complete in that respect.

Statistics of Sheet:-

Area surveyed in square miles	
Length of general coastline in statute miles.	123	
" " shoreline of Rivers		_____
" " " " Creeks		_____
" " " " Ponds		_____
Length of roads in statute miles	(Streets)	10
Topographic Sheets finished, number of,	1	
Topographic Sheets finished, Scale of,	1:10,000.	

Respectfully Submitted,

Approved,

Harry F. Ketch

L. O. Pollock

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>LATITUDE</u>	<u>D.P.</u>
White Water Tank.	37 - 54 ^S	328	122 - 23 ^O	539
Small Water Tank at Stege	37 - 54	1646	122 - 19	1139
Black Water Tank at Stege	37 - 54	1626	122 - 19	404 ¹⁰⁶³
Windmill	37 - 54	1512	122 - 19	1308
Concrete Base on shoreline	37 - 54	1280	122 - 19	1103
S.W. Corner of Wharf at California Cap Works.	37 - 54	937	122 - 20	188
S.W. Corner Nobel Station	37 - 53	1321	122 - 18	758
Brick Chimney. Standing ^{above on} above North side of Fleming Point.	37 - 53	267	122 - 18	1094
High black Iron Water tank.	37 - 52	1454	122 - 18	407
Small red Wind mill	37 - 52	1126	122 - 18	456
Water Tank Sunkist Fruit Co.	37 - 51	1151	122 - 17	1205
Outer Gables and Flagpole cupalo. Corrugated Culvert Co.	37 - 51	930	122 - 17	1201 ¹¹⁰⁵
High black Water Tower	37 - 51	650	122 - 17	997
Chimney. West Coast Kalsamine Co.	37 - 51	515	122 - 17	1026
Water Tank alongside house on shoreline	37 - 50	1458	122 - 17	976
High Water Tower. Paraffine Paint Co.	37 - 50	908	122 - 17	815
Water Tower. Wooden tub, Western Electric Co.	37 - 49	1410	122 - 17	336
Small Water Tank. Iron ^{tank} tub	37 - 49	1366	122 - 17	556
High Black Iron Stack....	37 - 49	1268	122 - 17	356
Yerba Bueno Power Sta.				
Flagstaff & inner gable small tower on building on shoreline	37 - 48	1355	122 - 18	259
Flagpole & gable on boat house	37 - 49	447	122 - 18	954
Black Pipe, Paraffine Paint Co	37 - 50	867	122 - 17	772

DEPARTMENT OF COMMERCE

Topographic Sheet D

Revision of Topography
San Francisco Bay

Surveyed under the direction
of

L. O. Colbert, Assistant
chief of Party

by

H. T. Welsh Assistant

January - February

1917

scale 1/10000

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. 3653

State . . . California.

General locality . . San Francisco Bay. - East shore

Locality Oakland to Bunker C.
~~From Shoal Pt., Richmond to San Antonio Creek, Oakland.~~

Chief of party . . . L. Q. Colbert.

Surveyed by H. T. Kelsh.

Date of survey . . . January to 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:

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 **From Shoal Pt., Richmond to San Antonio Creek, Oakland.**
Chief of party . . . **L. O. Colbert.**
Surveyed by **H. T. Kelsh.**
Date of survey . . . **January to 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:

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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <i>California</i>
11-5613
DESCRIPTIVE REPORT.
Topo. Sheet No. <i>3653^a</i>
LOCALITY:
<i>San Francisco Bay</i>
<i>East Shore,</i>
<i>Oakland - to - Brooks I.</i>
19 <i>20</i>
CHIEF OF PARTY:
<i>F. G. Engle, H. G. E.</i>

Descriptive Report

To accompany Topographic Sheet #3653.

San Francisco Bay - E. Shore - Oakland to Brooks Island.

Revision under instructions dated July 25, 1918.

This sheet is a bromide copy of Colbert's revision of 1917. The work consisted of examining the copy and making the alterations with the aid of the planetable. Mr. R. F. A. Studds, Jr. H. & G. E., and two men from the deck comprised the party. They were quartered on the U.S.C. & G.S.S. WENONAH, lying at Oakland, Municipal dock, reaching the working grounds by carline. The party would leave the NATOMA at San Francisco on Monday morning and report back on Friday nights.

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.

The changes which have occurred on the southern end of the sheet are mostly given by attached prints. Two important changes occur here, the elimination of the Long Wharf, off Oakland Mole, and the new Union Construction Works which is located a little north of Oakland Mole. A print of this plant accompanies the sheet. Another rather important feature is the removal of the piles driven by the Navy Engineers, off of Fleming Point and Point Isabel. The other changes in the sheet are of minor importance.

It is noted that the charts give the name "El Cerrito" to a locality at about Latitude $37^{\circ} 55' 30''$, Longitude $122^{\circ} 21'$. The town of El Cerrito is just north of Berkeley, as shown on a print of Berkeley which accompanies this sheet. The limits of the sheet are insufficient to show its location on the sheet.

Approved.

*R. F. A. Studds,
H. & G. E. U. S. Corps.*

F. Y. Engle
HYDROGRAPHIC & GEODETIC ENGINEER
CHIEF OF PARTY, U. S. G. S.

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

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET 3653a

Surveyed in 1920.

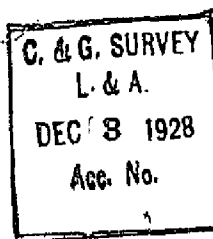
Chief of Party: F. G. Engle.

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 within 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

36552

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. **36552**

State **S. E. Alaska**

General locality . . . ~~Stikine Strait~~ **Wrangell Island**

Locality **Wrangell Waterfront**

Chief of party **Harold A. Cotton**

Surveyed by **Ira T. Sanders**

Date of survey **October 17, 1928.**

Scale **1:10,000.**

Heights in feet above

Contour interval feet.

Inked by **I.T.S.** Lettered by **I.T.S.**

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

~~Data from~~ other sources affecting sheet

Remarks: **A revision of important changes on the Wrangell waterfront.**

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. 3653²

REVISION

State California

General locality San Francisco Bay. - E. Shore

Locality Oakland to Brooks Island

Chief of party E.G. Engle

Surveyed by R.F.A. Studis

Date of survey March, 1920

Scale 1 to 10,000

Heights in feet above feet

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 10 prints

Remarks: Two prints attached to Bromide copy of Alameda waterfront and not accompanying this sheet, affect the changes in streets and railroads on this sheet.