

3660

J. & G. SURVEY
L. & A.
APR 6 1917
Ass. No.

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: _____

11-5613

DESCRIPTIVE REPORT.

Top Sheet No. 3660

LOCALITY:

191

CHIEF OF PARTY:

3660

Original

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
E. LESTER JONES: SUPERINTENDENT.

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET ~~(8)~~ 3660
REVISION OF TOPOGRAPHY OF SAN FRANCISCO BAY

SURVEYED UNDER THE DIRECTION

OF

LGO. Colbert, Assistant.

BY

R.C. Briggs, Aid and W.H. Clark, Aid.

DECEMBER 1916.

Scale. 1 : 10,000.

Ref. 16473 - transmitted with sheet. (for history only.)

DEPARTMENT OF COMMERCE

U.S. COAST AND GEODETIC SURVEY.

E. Lester Jones, Superintendent.

Descriptive Report to accompany Topographic Sheet (B)

Revision of Topography of San Francisco Bay.

Surveyed under the direction of L.O. Colbert, by R.C. Briggs and W.H. Clark, Topographers. - December 1916.

Limits of Sheet:

This sheet takes in the shoreline of Richardson Bay and that of the peninsula from Belvedere Point north to San Quentin.

Control:-

Triangulation stations served as the basis for the control, and because of their scarcity on the ^{sheet} ~~table~~, due principally to its scale, (1 : 10,000), practically all the work was accomplished by traverselines. With the exception of Point Blunt Light, whose position was obtained from Assistant, E.W. Eickelberg from data obtained ~~from~~ by his triangulation party, all the geographic positions of the stations plotted on the sheet were taken from the Superintendent's Report of 1910. The data was obtained from this source because ~~the part~~, at that time, the results of the work done by Mr. Eickelberg, were unavailable. The descriptions in the above mentioned report were used in recovering the stations.

Of the thirty-three stations that could be plotted on the sheet, twenty-one were recovered and used. This number includes six stations previously recovered ~~stations~~ by Mr. Eickelberg and his newly determined station - Point Blunt Light.

No attempt was made to locate three of these stations which lay a considerable distance from the work. Nine others were searched for but could not be found. A list of the lost stations follows:

San Quentin Wharf House, Prison Search light, South Base, Reservoir, Angel Island(N.W.2), Ang~~le~~ Island, White Tank, Angel, and Quarry.

Scale of the Sheet:- 1 : 10,000.

Party:-

The work was divided into two sections. The one covering the shoreline of Richardson Bay and that part of the peninsula from Belvedere Point to Tiburon Rock, was done by Aid, R.C. Briggs. The other part, including the shoreline of the peninsula from Tiburon Rock to San Quentin, also that of Angel Island, was done by Aid, W.H. Clark. Two rodmen were used at all times. The party was conveyed to the different points of the survey by the launches used in the wire drag work and hydrographic surveying.

Detailed Description of the Shoreline:*

In making this revision survey it was ~~necessary~~ understood by the topographers that the principal ~~object~~ object was the determination of all improvements along the water front. No attempt was made to run in the shoreline, except at places where it appeared to be changed from that shown on chart No. 5532, so it follows that there are many gaps showing ~~on the sheet~~. The dotted shoreline shown on the sheet was transferred from the above mentioned chart. In general, the shoreline, as it now exists, is practically the same as that shown on the ~~above mentioned~~ chart. The changes that were discovered are noted below,

Some change was made at the north end of Richardson Bay, where it was considered more accurate to indicate the high water line as following the railroad and highway embankments, rather than the marsh edge as shown on the chart mentioned.

The ~~pilings driven~~ ^{piles} in Richardson Bay were driven in by the Navy Engineers, and were located on this sheet at their request. All these piles which lay above the ~~low~~ ^{high} water mark were later removed, but others, ~~some~~ ^{some} of which hardly show above ~~low~~ ^{high} water, were left there, and are quite likely to prove dangerous for small boat navigation.

In the more thickly settled districts, such as Sausalito, Tiburon and Belvedere, no attempt was made to locate every building. However, waterfront streets and buildings as well as the more distant structures of such size or character as to make them conspicuous, were carefully determined.

Detailed Description of the Shoreline, Continued:-

At California City where the Naval Coaling Station is located, it was rather difficult to determine whether or not the chart represented conditions correctly, so the dock was again located. The buildings in the immediate vicinity were ~~re-located~~ transferred from a ~~blue~~ ^{plan} print obtained at the office of the station.

At El Campo the two smallest docks or landings shown on the chart have disappeared. There are remaining, however, a few old pilings where the docks probably stood. In addition has been built onto the docks belonging to the Bay City Live Stock Company, as shown on the sheet.

The small dock shown on the ~~chart~~ ^{chart} about 800 meters south of California Point does not exist. About 500 meters south of the above mentioned point is a small private landing directly in front of a large white ~~private~~ dwelling house.

The quarry dock about 900 meters below California Point is the same as shown on the chart, as well as the nearby buildings. However, work there has now been abandoned and the structures are all in a general run down condition and rapidly deteriorating.

Just above California Point the two small docks shown on the chart are no longer in existence. About 600 meters north of the Point is a small clam bed, enclosed by a loosely built wooden fence.

The shoreline of the bight just to the southward of San Quentin prison, was found to be as represented on the chart.

At San Quentin some changes have been made in the prison, as shown on the sheet. The buildings inside the prison walls as well as the dock on the west shore of the point, were transferred from a blue print obtained at the Wardens office. The buildings along the road outside the prison walls were determined by a traverse, run from the prison. The slip itself was rodded in but a good part of the road-way between the slip and the shoreline was sketched as it appeared to be the same as shown on the chart. The north end of the ferry slip could not be shown as it comes just off the edge of the sheet; however, the direction of the north wing of the slip was obtained and it's dimensions are the same as those of the southern one. The railroad trestle between the ferry slip and the ~~beach~~ ^{of the beach} at a point about 320 meters north of the ferry slip, no longer exists, but from the latter point to the westward it remains the same as shown on the chart.

Detailed Description of the Shoreline, Continued:-

A ferry operates between this slip at San Quentin and Point Richmond, making the round trip about once every two hours during the day. A motor bus meets the ^{ferry} boats at San Quentin and conveys passengers to San Raphael. Thru the latter place runs a branch line of the Northwestern Pacific Rail Road, extending from the terminus at Sausalito to different points in Northern California.

Shoreline on Angel Island:-

In the hospital Cove, practically everything is the same, except that the white tank, (a triangulation station,) has been moved farther up the hill, as shown on the sheet. The buildings here were transferred from blue-prints obtained from the officer in charge.

At the Immigration Station, the dock has been changed somewhat. Here too blue-prints in charge of the commanding officer, were used, to transfer most of the buildings.

At Quarry Point are perhaps the most noticeable changes. This place is now used as a training station for recruits of the Navy. After the dock and main buildings had been located by the usual methods, the remaining structures were put on the sheet from a blue-print obtained from the engineer at the garrison.

On the west side of Angel Island no changes in the shoreline were found, except a small addition to the wharf at the west garrison. The buildings were transferred from blue-prints obtained at the East Garrison. The west garrison was formerly the only one on the Island, but at the present time is almost deserted, there being but a small force of men there.

The blue-prints, ^{and plan} used for transferring purposes, were, with ^{two} ~~one~~ exceptions, returned to ~~their~~ their respective owners at the latter's requests. ~~The one retained was that of the Immigration Station on Angel Island, which is attached to this sheet.~~
~~The blue-print of the Immigration Station on Angel Island, also the~~
Contours:- Plan of California City were retained and are attached to this sheet.

No contours were run in as they had been sufficiently determined by previous surveys.

Statistics of this sheet:- (B)

Area Surveyed in square miles.	551
Length of general coast line in statute miles.	7.6
" " " Shoreline of rivers " "	—
" " " " " Creeks " "	—
" " " " " Ponds " "	—
Length of roads in statute miles.	10.8
Length of railroads in " "	4.3
Topographic sheets finished, number of,	1
" " " , Scale of,	1:10,000.

Respectfully submitted,

Approved,

L.O. Colburn.

W.H. Clark,
Aid, Coast and Geodetic Survey.
Compiler

Assistant, Coast and Geodetic Survey.
Chief of Party.

PLANE TABLE POSITIONS FOR SHEET (B) CONTINUED:-

<u>OBJECT</u>	<u>LATITUDE</u>	<u>D.M.</u>	<u>LONGITUDE</u>	<u>D.P.</u>
Boulder	37 - 53	805	122 - 28	1265
Tank at California City. "Cal"	37 - 53	1009	122 - ²⁶ 31	1288
High School Cupalo	37 - 53	1048	122 - 31	1156
Transmission Tower	37 - 53	1162	122 - 31	473
Power Plant Stacks	37 - 53	1713	122 - 31	642
" " "	37 - 53	1725-	122 - 31	633
Single Tree on Hill (indefinite)	37 - 54	1001	122 - 29	373
Prison Watch Tower	37 - 56	455	122 - 29	450
San 2	37 - 56	547	122 - 21	374
San	37 - 56	554	122 - 29	535.
Sign	37 - 52	1544	122 26	962
Club	37 52	⁵⁶⁹ 589	122 27	⁵⁰ 543
Fish	37 52	347	122 28	208

<u>OBJECT</u>	<u>LATITUDE</u>	<u>D.M.</u>	<u>LONGITUDE</u>	<u>D.P.</u>
Buoy	37 - 54	274	122 - 26	904
Wooden Crib	37 - 51	521	122 - 25	292
Dock Light	37 - 51	757	122 - 28	870
Navy Engineers Signal	37 - 51	813	122 - 28	1024
Buoy	37 - 51	1218	122 - 27	569
Lt. on Pt. Stuart	37 - 51	1258	122 - 26	1061
Navy Engineers Signal	37 - 51	1333	122 - 29	456
Stone Crusher, "Rock"	37- 51	1374	122 - 25	111
Tallest of two Chimneys	37 - 51	1479	122 - 25	318
Square Black Tower "Wer"	37 - 51	1699	122 - 27	806
Navy Engineers Signal	37 - 52	568	122 - 30	230
White Tank, "Kant"	37 - 52	244	122 - 25	1406
Tank	37 - 52-	529	122 - 30	449
Transmission Tower	37 -52	1671	122 - 31	661
Fog Bell	37 - 52	585	122 - 27	131
Transmission Tower	37 - 53	65	122 - 31	576
Transmission Tower	37 - 53	297	122 - 31	500
Flag Pole, " Flag "	37 - 53	335	122 - 26	818
Transmission Tower	37 - 53	433	122 - 31	514
Windmill	37 - 53	620	122 - 30	135
Navy Engineers Signal	37 - 53	709	122 - 28	1080

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. 3660

State California

General locality San Francisco Bay

Locality Angel Id., Richardson Bay and from peninsula north to San Quentin

Chief of party L. O. Colbert, Assistant

Surveyed by Aids R. C. Briggs and W. H. Clark

Date of survey December, 1916

Scale 1:10000

Heights in feet above mean low water

Contour interval None feet.

Inked by W. H. Clark Lettered by W. H. Clark

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks:
1 blue-print of buildings at Immigration Station, Angel Id.
1 plan of buildings at California City.

3660^a

U. S. C. SURVEY

JUL 20 1921

NO. 140

3660^a

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: California

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. 3660

LOCALITY:

San Francisco Bay.

Richardson Bay to

Pt. San Quentin

1921

CHIEF OF PARTY:

F. G. Engle

DESCRIPTIVE REPORT.

To accompany Topographic Sheet #3660


San Francisco Bay.
Richardson Bay to Point San Quentin.


Revision under instructions dated Nov. 24, 1920.

This sheet is a bromide copy of Gilbert's revision of 1917. The work consisted of examining the copy for changes and making the alterations with the aid of the planetable. One officer and three men comprised the party, making use of one of the launches from the ship. The work was done on various days, at times when the ship was working close by.

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.

Test piles, previously shown in Richardson Bay, have all been removed. No other changes of importance have occurred.


F. C. Ingles,
H & G E,
Chief of party.


R. F. A. Studds,
Jr. H & G E,
Topographer.

DESCRIPTIVE REPORT.

To accompany Topographic Sheet #3660


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Richardson Bay to Point San Quentin.


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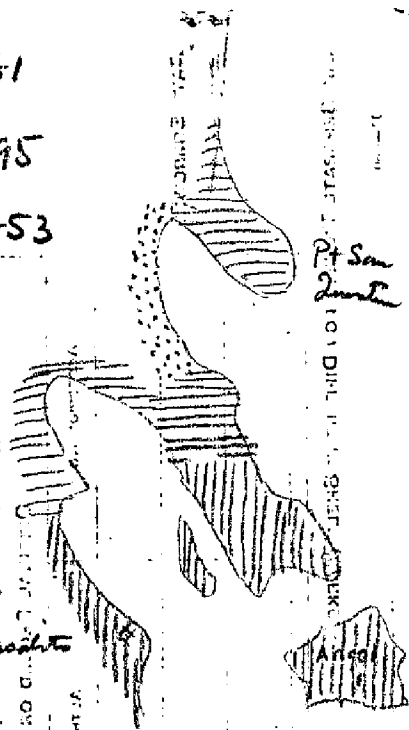

F.G. Engle,
H & G E,
Chief of Party.


R.F.A. Studds,
Jr. H & G E,
Topographer.

1881
1895
1853

DEPT OF FISHERY, V.L.D. WINDWARD DIVISION

Caustic



*Pt San
Dimitri*

ANCHOR

3660

*Dates of top's
surveys*

DEPT OF FISHERY, V.L.D. WINDWARD DIVISION

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

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3660^a

Surveyed in 1921.

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.
2. In the survey of 1916 only one-third of the shoreline was re-surveyed. The remaining two-thirds was surveyed in 1881 and 1895 with about a mile of it in 1853. On sheet 3660^a these unsurveyed stretches of shoreline appear to have been inspected only.
3. If there have been no changes in the unsurveyed shoreline then the character and scope of the surveying and field drafting are good and no further surveying is required.
4. Reviewed by E. P. Ellis, September, 1921.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

3660²

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U. S. Coast and Geodetic Survey.

Register No. 3660²

State CALIFORNIA

General locality San Francisco Bay.

Locality . Richardson Bay to Pt. San Quentin.

Chief of party F.G. Engle.

Surveyed by R.F.A. Studds

Date of survey Jan., Mar., 1921.

Scale 1 to 10,000

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: