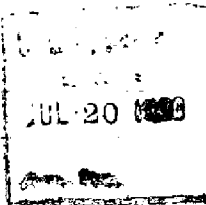


3796



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

State: *California*

11-5613

DESCRIPTIVE REPORT.

Sheet No. *1* 3796

LOCALITY:

*San Francisco Calif.,*

*San Francisco Bay,*

*W. Shore, Pt. Avisadero*

*to Pt. San Bruno.*

*1900*

CHIEF OF PARTY:

*F. G. Engle, H. & G. E.*

3796

3796

## Descriptive Report

To accompany Topographic Sheet #1

San Francisco Bay, W. Shore - Point Avisadero to Point San Bruno.

Revision under instructions dated July 25, 1919.

The topography, in the localities covered by this sheet, was done by R. F. A. Studds; then Deck Officer, and two men from the deck.

A traverse was carried along the shoreline, running in the changes whenever the topography differed from the charts. A number of positions of signals were determined for the use of the launch and ship in hydrography. Those positions which are recoverable are shown by red circles. Those whose recovery is unlikely, such as whitewashed rocks, banners nailed to trees, etc., are denoted by penciled circles. All positions, both recoverable and non-recoverable are given in an attached list of plane-table positions.

Three traverses were run. The first, from  $\triangle$  Point Avisadero to  $\triangle$  Visitation Knob; the second, from  $\triangle$  Hay Warehouse S. gable to  $\triangle$  Oyster Point; the third, a circuitous traverse, starting and ending at  $\triangle$  San Bruno Outer Wireless. In the first traverse a rather large error was made due to failure to make the horizontal correction for an inclined reading; but knowing the location of the error and the elevations, the traverse was easily adjusted. In the second traverse there was a small closing error, and in the third a zero closing error. The closing errors for the first two traverses are shown on the sheet by small arrows.

The working grounds were reached part of the time by carline from the ship, which was berthed at Pier 36, and the remainder of the time by making use of the ship's dinghy.

The important changes which occurred in the localities covered by this sheet were at Bay Shore and Point San Bruno. The changes at Bay Shore are shown on an attached blue print of the Bay Shore S. P. R. R. yard, which was examined and corrected. The changes at San Bruno were mostly surveyed. A plan showing the Shaw Batcher ship yard and channel leading to the yard is attached. Also a general plan of that locality which gives a few additional details.

The Federal wireless station at Point San Bruno whose towers are shown located on the chart, is to be relocated within a short time, according to information from one of the officers of the station.

Approved: *F. G. Cagle*

*R. F. A. Studds*  
Jr. Arg. C. U. S. C. P. S.

List of Planetable positions.

Object & Description	Hydrographic Name	Latitude o ' "	D.M. : meters :	Long. o ' "	D.P. : meters :	Remarks
Whitewashed- Rock.	Red	37-43	970	122-21	1368	Not Recoverable
do	Nose	37-43	938	122-22	233	" "
"	Nose? [Do (JWC)]	37-43	1052	122-22	533	" "
S. Gable Barn, Inters Pt.	Barn	37-43 [1249]	1179	122-22	927	" "
Two Tanks near Butchertown	Tanks	37-44 [1268]	78	122-23	1096	Recoverable
Whitewashed- Rock.	Can	37-43	933	122-22	1277	Not Recoverable
East Gable, Wharf House, Dupont Powder Works.	Gab	37-43	430	122-23	34	Recoverable
Whitewashed- Rock.	Low	37-42	1842	122-23	351	Not Recoverable
do	Cut	37-42	1665	122-23	205	" "
"	Bun	37-42	810	122-23	942	" "
Water tank, North (Bay Shore) Tan	Tan	37-42	1023	122-24	64	Recoverable
North Semaphore, (Bay Shore)	Sem	37-42	805	122-24	102	"
Slim Blk. Stack (Bay Shore)	Slim	37-42	323	122-24	505	"
South Oil Tank (Bay Shore)	So	37-41	1760	122-24	417	Not Recoverable
Telephone Pole (Bay Shore)	Tel	37-41	1487	122-24	90	" "
Water tank, South (Bay Shore)	Wat	37-41	1248	122-24	115	Recoverable
Pile, off Visi- tation Point	Pile	37-41	981	122-23	1305	"
Chimney, R.R. Stat., Guadalupe Valley. Ne		37-41	661	122-23	1431	"
Semaphore, Guada- lupe Valley.	Hur	37-41	388	122-23	1248	Not Recoverable
Block Tower, Guad- alupe Valley.	Rail	37-41	184	122-23	1130	Recoverable
Kelly Tire Sign, E. edge near Sier- ra Point.	Kelly	37-40	1615	122-25	949	"
Lower Sierra 2	Ser	37-40	940	122-25	408	" (hydrographi station.)
Water Tank, Shaw- Bacher Yard.	Yard	37-39	1403	122-23	1165	Recoverable
Stack, Am. Barium Co.	-	37-39	1382	122-23	718	"
Round Water Tank, Baden Hill, S.S.F.	Baden	37-39	903	122-23	1074	"
Church Steeple, South San Francisco Church		37-39	611	122-24	1196	"

Shed---2

Water Tank near Fuller Paint Co., Point San Bruno. Slender Stack, East of Fuller Paint Co., Point San Bruno. Prominent Tree, Pelair Island.	Spike  Stud  Is.	37-39  37-39  37-38	254  231  962	122-22  122-22  122-23	1234 Recoverable  1032  1087	"  "  "
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ADDRESS THE DIRECTOR  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-1111

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

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3796.

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 conform to the requirements of the General Instructions, except that the magnetic meridian was not shown.
2. The plan and extent of the work satisfy the specific instructions.
3. The junctions with adjacent sheets are satisfactory.
4. No additional surveying is required within the limits of the sheet.
5. The character and scope of the surveying, and field drafting are good.
6. 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. 3796 Topographic Sheet #1

State . . . . . California . . . . .

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

Locality W. Shore, . . . Pt. Avilaadero to Pt. San Bruno.

Chief of party . . . . . E. G. Engle . . . . .

Surveyed by . . . . . R. F. A. Studts . . . . .

Date of survey . . . . October, November, 1919. . . . .

Scale . . . . . 1 to 10,000 . . . . .

Heights in feet above . . . High water line . . . . .

Contour interval .20 . . 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,  
✓ **List of planetable positions.**

Data from other sources affecting sheet ✓ **3 prints** . . . . .

Remarks: **It was impossible to get mean sea level to run  
the contours, so the high water line was taken.**