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| Form 504 Ed. June, 1928 | |
| DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. Patton, Director | |
| <div style="border: 1px solid black; width: 100px; height: 80px; margin-left: auto;"></div> | |
| State: California | |
| DESCRIPTIVE REPORT | |
| Topographic Hydrographic | Sheet No. 4522 |
| LOCALITY | |
| South of Golden Gate | |
| Vicinity of Lake Merced | |
| to Pt. Lobos | |
| 1929 | |
| CHIEF OF PARTY | |
| O. W. Swainson | |

Reconstr. 5532 L.V.E. Outer coast 1955

C. & G. SURVEY
1 & A
APR 5 1929
Acc. No.

D E S C R I P T I V E R E P O R T

To Accompany Topographic Sheet G. 4522

Coast of California

South of Golden Gate.

1929

U. S. C. & G. S. S. PIONEER

O. W. SWAINSON - COMMANDING.

D E S C R I P T I V E R E P O R T

To Accompany Topographic Sheet G.

Instructions

The topography on this sheet was executed under the Director's instructions to the Commanding Officer, S^r. PIONEER dated April 9, 1929.

Limits and Scale

The topography included on the sheet, surveyed on a scale of 1 to 10,000, covers the shoreline of California from Point Lobos south to latitude $37^{\circ} 42'$, and is the first sheet surveyed this season south of the Golden Gate. It is joined on the south by sheet H of this season's work. The topography north of the Golden Gate surveyed this year extends north from Point Bonita.

Control and Survey Methods

The usual survey methods were used. Existing points and new stations established this year furnished the triangulation control. Between triangulation stations the closing error of traverse run was kept below that allowable and adjusted on the sheet.

Off-lying rocks were located by at least three intersecting cuts and the limits of the larger rocks determined by tangents.

General Description of Topographic Features

The shoreline from the northern limit of the sheet to Seal Rocks is marked by irregular dirt and rock bluffs, dropping almost perpendicularly to the storm high water line, which in most cases coincides with the mean high water line. South of Seal Rocks the shore line is flat with wide sand beach extending out from the storm high water line.

At Point Lobos there is shown the wreck of the Steamer Lyman B. Stuart, the mast (bottom) of which was used as a hydrographic signal. The vessel is steel and has been broken in half as shown. It will probably remain for some time. The large building shown opposite Seal Rocks is the Sutro Baths, the smaller building south of it the Cliff House. From Sutro Baths a concrete wall extends to a rock at the low water line as shown. The pier extending past the low water line 500 meters. South of Seal Rocks is a low concrete structure car-

rying a pipe line which supplies the Luraline Baths, the stack of the pumping station of which is shown directly inshore from the end of the pier.

A recently completed highway, know as the Great Highway, extends from the southern entrance to Golden Gate Park to the Fleishacker Pool. As noted on the sheet a grass covered strip lines the middle of the highway, the whole being raised on an embankment about 10 feet above the beach line. Opposite Fleishacker Pool a low concrete pier carries a pipe line which supplies the pool.

Comparison with Previous Surveys.

The area was surveyed in 1899 on sheets 2481 and 2482, with revision around Point Lobos on sheet 3659 in 1916.

In comparison with the present survey the following changes are noted:

On the original survey the storm high water line was shown instead of the mean high water line.

Seal Rocks are erroneous as to size as shown on sheet 2482.

Buildings south of Seal Rocks have changed and a new house has been added to the group of buildings at the Golden Gate Coast Guard Station.

A concrete sea wall has been completed from 200 meters north of the Luraline Baths pipe line to the southern entrance to Golden Gate Park. South of this an earthen embankment about 10 feet high has been erected on which is located the new Great Highway. The embankment extends south to Fleishacker Pool when it gradually slopes down to meet the shoreline.

The Ladies Pavillion, shown on sheet 2482 opposite Golden Gate Park no longer exists.

The triangulation locations of the windmills in Golden Gate Park have been found in error. The windmills are shown on the present sheet according to their plane table determinations.

The Ocean House, shown on sheet 2481 no longer exists and should be removed from the Chart.

The indentation on the shoreline shown on sheet 2481 just north of latitude $37^{\circ} 44'$ has been filled in to form a straight beach.

Fleishacker Pool is a municipal pool, just south of Sloat Boulevard at the southern end of the new Great Highway.

Form lines shown on the original sheets were checked in the field and found to be exceptionally accurate.

Landmarks

No landmarks of value not already charted exist in the area covered by the sheet.

Accompanying Maps

There is forwarded with the sheet blue prints showing the new Great Highway and Flieshacker Pool, and continuation of the highway south of the pool. The highway is as noted on the sheet and should be charted.

John A. Bond

John A. Bond.
H. & G. Engineer,
U.S.C. & G. SURVEY.

Approved and forwarded:

O. W. Swainson

O. W. Swainson,
H. & G. Engineer,
Chief of Party.

Titled.

Form 537a
11-5313

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO. 4522

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

Field No. G

REGISTER NO. 4522

State California.

General locality Pacific Ocean, South of Golden Gate

Locality Vicinity of Lake Merced to
Pt. Lobos south.

Scale 1:10,000 Date of survey August, 1929

Vessel U.S.C. & G.S.S. PIONEER.

Chief of Party O. W. Swainson, H. & G. Engr.

Surveyed by John A. Bond, H. & G. Engr.

Inked by John A. Bond, H. & G. Engr.

Heights in feet above M.H.W. to ground to ~~tops of trees~~

Contour, Approximate contour, Form line interval feet

Instructions dated April 9, 1929, 192

Remarks: