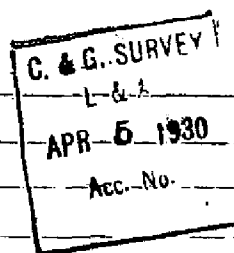


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Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. Patton, Director	
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State: California	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. ⁴⁵²³ 4523
LOCALITY	
North of Pt. San Pedro	
Pt. San Pedro to Vicinity of	
Lake Merced	
1929.	
CHIEF OF PARTY	
O. W. Swainson	



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

To Accompany Topographic Sheet H. 4523

Coast of California

North of San Pedro Point.

1929

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

O. W. SWAINSON - COMMANDING.

DESCRIPTIVE REPORT

To Accompany Topographic Sheet H.

4523

Instructions

The topography on this sheet was executed under the Director's instructions to the Commanding Officer, Str. 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 latitude $37^{\circ} 42' N$. south to San Pedro Point. It is joined on the North by sheet G and on the South by sheet J, both of this season's work.

Control and Survey Methods

The usual survey methods were used. Control points were established by third order triangulation at intervals of about 1 1/2 miles along the shoreline. Traverse was run between these points the closing error of which was kept below the allowable limit and adjusted on the sheet. Off-lying rocks were located by at least three intersecting cuts and the limits of the larger rocks located by tangents.

General Description of Topographic Features

The shore line over the entire area is marked by a broad sand beach. From the northern limits of the sheet to Mussel Rocks steep cliffs rise from the high water line. South of Mussel Rocks the bluff becomes lower, gradually leveling off to sand beach in the vicinity of Salada Beach. South of Salada Beach the points are marked by bold bluffs, the bights by flat sandy beach.

Back of the shoreline the land is grass covered, with brush and small trees in the ravines as shown on the original sheets.

Comparison with Previous Surveys

The area was originally surveyed on sheets 2483, 395, and 1019, scale 1:10,000.

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.

Five hundred meters N.N.W. from Mussel Rocks two sunken rock symbols are shown on sheet 2483. No evidence of these rocks was noted by inspection at low water.

Descriptive Report Topo Sheet H.

The small rocks shown on sheet 2483, 250 meters N.N.E. of Mussel Rocks should be replaced by two rocks awash as shown on present sheet.

Between Mussel Rocks and the Mainland a group of rocks is not shown on the original survey.

The bare rock shown on sheet 2483 just south of latitude $37^{\circ} 37'$ should be a rock awash.

The small point 800 meters N.E. x E. from San Pedro Rock is shown on sheets 395 and 1019 as an indefinite mass of detached rock. The point is solid land and is shown correctly on the present survey.

The lake and marsh shown in the bight 1 mile E. x N. from San Pedro Rock is now firm land under cultivation.

The form lines shown in pencil on the sheet were transferred from the original sheet and checked in the field. They were found to be exceptionally accurate.

The photostat of the original sheet shows several marks which might be mistaken for rocks. The entire inshore area covered by the sheet has been closely examined and no rocks bare that are not shown on the sheet.

Landmarks

Landmarks for the sheet have been forwarded with the descriptive report of the hydrographic work in this vicinity.

Accompanying Maps

There is forwarded with the sheet State Highway Maps and San Mateo County map on which has been noted highways which should be charted.

John A. Bond
John A. Bond,
H. & G. Engr.
U.S.C. & G. Survey.

Approved and forwarded:

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO.
4523

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. H

REGISTER NO. **4523**

State California

General locality Pacific Ocean, North of ^{Pt.} San Pedro

Locality Point San Pedro North to Vicinity of Lake Merced

Scale 1:10,000 Date of survey September, 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.S.L. to ground to ~~tops of trees~~

Contour, Approximate contour, Form line interval feet

Instructions dated April 9, 1929, 192

Remarks: