

4909

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAR 21 1935

Acc. No. _____

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: California

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

} Sheet No. T - S

LOCALITY

Santa Barbara Channel

Santa Cruz Island

(South Side.)

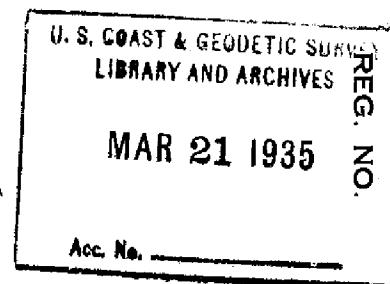
1934

CHIEF OF PARTY

Chas. K. Green

U. S. GOVERNMENT PRINTING OFFICE: 1929

4909

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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

Field Letter T - SREGISTER NO. **4909**State CaliforniaGeneral locality ~~Santa Cruz Island~~ Santa Barbara ChannelLocality ~~South Side~~ Santa Cruz Island (South Side)Scale 1:20,000 Date of survey May - July 1, 1934Vessel Shore Party Virginia 1Chief of Party C.K. GreenSurveyed by R.S. ThompsonInked by N.C. SkansenHeights in feet above HW to ground to tops of treesContour Approximate contour Form line interval 50 feetInstructions dated Oct. 31, 1932 and Sept. 9, 1933, 19

Remarks: _____

Descriptive Report
to accompany
Topographic Sheet S
South Side Santa Cruz
Island.
California

Instructions

October 31, 1932 and September 9, 1933

Limits and scale

This sheet embraces a strip of the shoreline on the south side of Santa Cruz Island from long. 119-39 to long. 119-53.

The scale is 1:20,000.

General Description

The shoreline shown on this sheet extends in a general east-west direction with small beaches and bights at the mouths of the several larger canyons on the eastern half of the sheet. On the western half of the sheet the shoreline extends more in a northwest-southeast direction in broad, sweeping curved sandy beaches. Here low bluffs of 20 to 100 ft. in height, composed of hardpan and badly eroded are washed by the sea at extreme high water during storms. The shoreline on the eastern half of the sheet, east of long. 119-48, is marked by the foot of the sheer bluffs of conglomerate, 50 to 400 ft. in height.

In the back country and east of long. 119-45 there are trees and vegetation. West of long. 119-45 the shoreline here is not in the lee of the strong northwest winds that blow almost continually the year 'round, and very little vegetation is found except cactus. During the summer months all the canyons are dry.

There are no towns or settlements. The whole country is given over to sheep grazing. There are no roads, nor is there any telephone communication.

Special Notes

The shoreline is clear of offshore dangers except for Gull Island which is now marked by a Lighthouse, the reef extending southeastward from Morse Point and an occasional offshore rock none more than 200 meters offshore, from the low water line.

Landmarks

Light

Gull Island ~~site~~, elevation 62 ft. and the middle hump of Sierra Blanca, the highest peak on the south side of the island elevation 1514 ft. are the only conspicuous features worth mentioning.

Descriptive Report
to accompany
Topographic Sheet S
South Side Santa Cruz
Island
(2)

Control

20 triangulation signals on this sheet, with 12 on or near the shore gave ample control and no long traverses were necessary.

Geographical Names

The country is undeveloped and few new names appear. Alamos Anchorage as shown on Chart 5202 is now known as the Willows. The point of land directly in from Gull Island and the anchorage to the east of it are now known as Punta Arena and Malva Real respectively. The anchorage directly east of Morse Point is now known as Johnston Lee. The small bight about a half mile west of Valley Anchorage is now known as the Bluebanks. The small bight one and one half miles east of Gull Island is now known as Laguna Harbor. The highest peak on the southwest portion, a mile inland from Punta Arena is now known as Sierra Blanca. Preference should be given all local names.

Changes in shoreline

The shoreline remains unchanged from the previous survey.

Contours.

Wherever possible contours were cut in from the beach to check those as shown on the old bromides which were carried along in the field.

Richard S. Thompson
Richard S. Thompson, Surveyor.

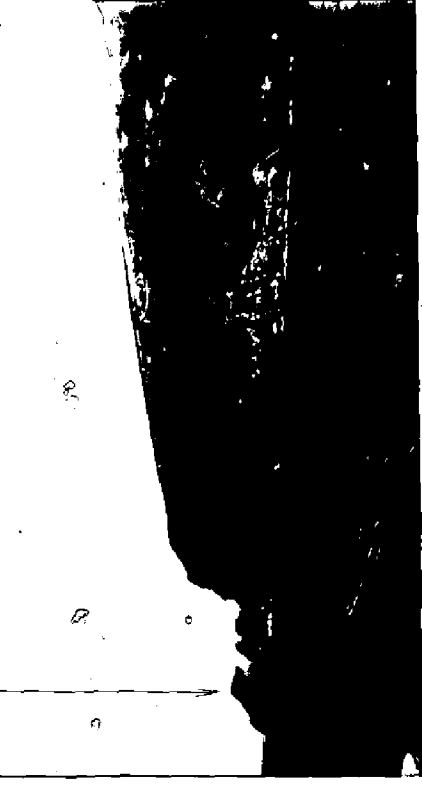
*Approved and forwarded
Robert W. Wilson
Chief of Party*

△ SCROP



SMUGGLER'S COVE

△ SANTA CRUZ EAST



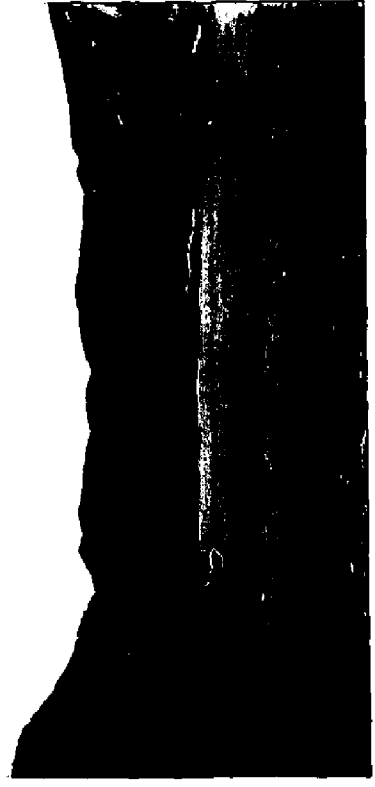
SHEER BLUFFS NORTH SIDE

SANTA CRUZ ISLAND
EAST END

OVERLOOKING PRISONERS HARBOR
FROM △ HARBOUR



ANCHORAGE AT COCHIES PRIETOS
SOUTH SIDE



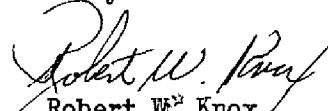
The following notes were taken from pencil notes on the Topographic Sheet No. 4904 (1934):

<u>Location.</u>	<u>Note.</u>
Valley Anchorage.	Fair N. W. Anchorage.
Albert Anchorage.	N. W. Anchorage.
Cockies Prietos.	N. W. Anchorage. Dangerous in S. W. swell. Skiff landing in N. W. corner. Anchorage no good in strong N. E. winds.
Malva Real.	N. W. Anchorage. Skiff landing.
Station Shack Johnston Lee.	Fresh water. Skiff landing.
Canada Posa.	Fresh water. No boat landing.

APPROVAL OF CHIEF OF PARTY

Topographic sheet "T-S" has been inspected and approved by me. The field work was done under my occasional supervision; the inking under my direct supervision.

Respectfully submitted:


Robert W. Knox
Chief of Party.

Date. March 26 1935.

Survey No. T- 4909

Chart No. 5202

Diagram No. 5202-2

Under investigation. Q *Names underlined in red approved Mar. 30, 1935*

Harlow Bacon

(M-L36)

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4909 (1934) - FIELD LETTER T - S

Santa Cruz Island (south side), Santa Barbara Channel, California

Surveyed May - July, 1934

Instructions dated Oct. 31, 1932 - Sept. 9, 1933 (C. K. Green)

Plane Table Survey

Cloth Mounted

Chief of Party - C. K. Green, R. W. Knox.

Surveyed by - R. S. Thompson.

Inked by - N. C. Skamsen.

1. Condition of Records.

The Descriptive Report is clear and comprehensive and satisfactorily covers most matters of importance. However it failed to include several notes regarding anchorages, boat landings, etc., which were typed and added to the report before cleaning the sheet.

The records conform to the requirements of the Topographic Manual with the following exceptions:

- a. An isolated rock ledge on the insert was shown with rock awash symbols to denote tips which were enclosed by the reef symbol. This gave the appearance of an island with pine tree symbols. The rock awash symbols were changed to dots to avoid erroneous interpretation.
- b. The following are rocks which were changed in the office to conform with the hydrographic information:
 - (1) Rock awash at MHW in lat. $33^{\circ}59.13'$, long. $119^{\circ}52.61'$ was changed to rock awash at extreme H. W. (See pos. 43V Sdg. Records H-5699).
 - (2) Rock bare 6 ft. at MLLW in lat. $33^{\circ}57.75'$, long. $119^{\circ}50:60'$ was changed to rock bare 3 ft. at M. H. W. (See pos. 6X, Sdg. Records H-5699).
 - (3) Rock reef bare 6 ft. at MLLW in lat. $33^{\circ}58.50'$, long. $119^{\circ}40.95'$ was changed to a rock awash enclosed in dots with the note "Bares 4' MLLW." (See pos. 98N, Sdg. Records H-5699).

2. Compliance with Instructions for the Project.

The survey complies with the instructions.

3. Junction with Contemporary Surveys.

Satisfactory junction was made with T-4906 (1934) on the west. The junction with T-4885 (1934) on the east is out about 5 meters.

4. Comparison with Prior Surveys.

a. T-1003 (1860).

This survey (scale 1:10,000) is in good general agreement with the present survey except in the small coves where the shoreline is filling in. The greatest change occurred in Laguna Harbor, long. $119^{\circ}47.7'$, where the high water line is now about 100 meters farther out. Differences in rock delineation are minor and the survey is considered correct with the exception that a sunken rock in lat. $33^{\circ}58.25'$, long. $119^{\circ}51.25'$ is carried forward on the present survey in green.

b. T-1436 (1874-75).

About one mile of shoreline is common to this survey and the present survey. A comparison shows only minor differences in the delineation of the shoreline and rocks. A rough comparison of contours shows no radical differences.

c. T-1437 (1875).

This survey is in fair agreement with the present survey. Occasional small differences in point locations are probably due to less adequate control for the old survey. The small coves which occur in the area appear to be filling up from erosion in the canyons. The shoreline at the heads of these coves is now from 50 to 60 meters farther out. All rocks formerly shown are verified on the present survey. Only a general comparison of contours was made and differences are as represented in the Descriptive Report.

5. Field Drafting.

The field inking is satisfactory.

6. Additional Field Work Recommended.

No additional field work is required.

7. Superseding Old Surveys.

Insofar as the topography actually included on the present survey is concerned, it supersedes the following surveys for charting purposes:

T-1003 (1860)	in part.
T-1436 (1874-75)	" "
T-1437 (1875)	" "

8. Reviewed by - A. F. Jankowski, June 5, 1935.

Examined and approved:

C. K. Green, *C. K. Green.*
Chief, Section of Field Records.

L. O. Robert
Chief, Division of Charts.

F. S. Borden
Chief, Section of Field Work.

G. Thode
Chief, Division of H. & T.

Applied to Chart 5115 1/13/36 L.M.Z.
Applied to Chart 1714 Nov 1935 L.M.Z.
" " " 5202 Mar 1936 R.M.Z.
" " " 5701 May 1936 R.M.Z.