

4911

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: California

DESCRIPTIVE REPORT

Topographic } Sheet No. T - V
Hydrographic }

LOCALITY
Santa Barbara Channel
Santa Rosa Island

(North Side)

1935

CHIEF OF PARTY

Robert W. Knox

U. S. GOVERNMENT PRINTING OFFICE: 1929

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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 - YREGISTER NO. **4911**State CaliforniaGeneral locality ~~in Santa Rosa Island~~ Santa Barbara ChannelLocality ~~North side~~ Santa Rosa Island (North Side)Scale 1:20,000 Date of survey Sept. - Dec., 19 34Vessel Shore partyChief of Party R.W.KnoxSurveyed by R.S.ThompsonInked by R.S.ThompsonHeights in feet above HW to ground ~~to tops of trees~~Contour Approximate contour ~~Form line~~ interval 50 feetInstructions dated Oct. 31, 1932 and Sept. 9, 1933, 19

Remarks: _____

Descriptive Report
to accompany
Topographic Sheet V
Santa Rosa Island
California

Instructions

October 31, 1932 and September 9, 1933

Limits and Scale

This sheet embraces the entire north side of Santa Rosa Island west of long. 120-05 and the south side of the island from the west end southeast to long. 120-11.

The scale is 1:20,000.

General Description.

The shoreline shown on this sheet runs in a general east-west direction as far as Brockway Point. To the west the shoreline makes a broad sweep in a southwest-northeast direction for about two miles and then resumes its east west general direction. From the western tip of the island the shoreline reverses and runs in a general southeast-northwest direction to the limits of the sheet. From the eastern limits of the sheet the shoreline consists of low bluffs 20 to 40 feet in height in back of which is a narrow mesa running to the foot of the higher and main mesa of the island; this condition prevails as far west as Brockway Point. From here high precipitous make down to the sea for about two miles as far as the mouth of the Arlington Canyon. From here the same condition prevails as mentioned in the section as far west as Brockway Point, clear around the tip of the island and down the south side.

There are no towns or settlements. The entire area is given over to cattle grazing. Wild pigs and sheep roam this area. There are no trees and water is scarce except in the winter months. There are two water canyons, Tecelote and Arlington. The entire area is swept by the strong northwest and west winds that blow almost continuously the year 'round in this region.

Emergency landings can be made for planes on top of the mesa on the west end of the island and on the small mesa below Triangulation Station Fence. Kelp-

Special Notes

The shoreline is foul and offshore rocks are numerous. Rodes Reef on the north side of the island about a mile east of Brockway Point and 1400 meters offshore offers a menace to navigation. Bee rock on the south side of the island, 1400 meters offshore is another danger as is the sunken rock 600 meters northwest of Bee Rock. Two large offshore rocks off the west end of the island are a menace to boats entering the San Miguel Passage from the east. Submerged rocks or breakers have been located directly southwest of Triangulation Station Blunt, 800 meters offshore.

Descriptive Report
to accompany
Topographic Sheet V
(2)

Control

16 triangulation stations on the sheet with 10 on or near the shoreline gave ample control. No long traverses were run and no adjustments were necessary.

Geographic Names

No new names appear but several canyon names have been changed since the original survey. Canada Corral as shown on the old sheets is now known as Arlington Canyon. Canada Tecoleta is now known as the Canada Tecelote. Preference should be given the new names. Cow Canyon and Dry Canyon are new names.

Changes in shoreline

No changes, except for the greater detail shown on this sheet in comparison with the old bromides, were found in the shoreline on this side of the island.

Contours


Whenever possible elevations were obtained to check the old work as shown on the bromide copies which were carried along in the field.

Richard S. Thompson
Richard S. Thompson, Surveyor.

*Approved & forwarded:
Robert W. Hume
Chief of Party.*

APPROVAL OF CHIEF OF PARTY

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


Robert W. Knox,
Chief of Party

Date. March 26, 1935

Survey No. T- 4911

Chart No. 5202

Diagram No. 5202-2

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

[illegible]

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4911 (1934) - FIELD LETTER V

Santa Rosa I. (north side), Santa Barbara Channel, California

Surveyed September - December, 1934

Instructions dated October 31, 1932 - September 9, 1933 (C. K. Green)

Plane Table Survey

Cloth Mounted

Chief of Party - R. W. Knox.

Surveyed by - R. S. Thompson.

Inked by - R. S. Thompson.

1. Condition of Records.

The Descriptive Report is clear and comprehensive and satisfactorily covers all matters of importance, except that it should have given more information regarding rocks and other features which were incorrectly shown on the old surveys.

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

- a. Old triangulation stations are shown by triangle enclosed in a circle. The accepted method is to use triangles alone.
- b. Pencil notes indicating emergency landing fields were inked in the office.
- c. Elevations of several bare rocks which were given above MLLW were reduced and the elevations above MHW are now shown in red.
- d. A rock awash bare 9 ft. at MLLW in lat. $34^{\circ}00.37'$, long. $120^{\circ}12.97'$ was changed to a bare rock with elevation of 5 ft. at MHW.

2. Compliance with Instructions for the Project.

The survey complies with the instructions.

3. Junction with Contemporary Surveys.

Satisfactory junctions were made with T-4907 (1934) and with T-4910 (1934).

4. Comparison with Prior Surveys.

- a. T-1325 (1872-73).

This survey is in fair agreement with the present survey in the delineation of the shoreline. It appears that differences which exist are due to less adequate control for the prior survey rather

than to changes. The rock and reef locations are in good agreement except in a section in the general vicinity of lat. $33^{\circ}59'$, long. $120^{\circ}13'$. Bare rock symbols shown on the old survey in lat. $33^{\circ}58.4'$, long. $119^{\circ}12.8'$ and in lat. $34^{\circ}58.75'$, long. $120^{\circ}13.35'$, are not located on either the present topographic or hydrographic surveys. They are not carried forward because there is no evidence of their existence, whereas sounding lines were run over the areas and several sunken rocks located on the present survey in the same vicinity check former locations, thus indicating careful work on the present survey. Also it is considered very unlikely that a rock awash was missed when all former sunken rocks were located in addition to several new breakers. Five sunken rocks in lat. $33^{\circ}59.4'$, long. $120^{\circ}13.7'$ are carried forward to the present survey in red. The new contours are in fair general agreement with the contour system shown on the prior survey.

b. T-1326 (1872-73).

A comparison of this survey with the present survey shows fair agreement in shoreline, in rock locations and in contours. Rodes Reef is now shown slightly more extensive by enclosing the area in a dashed line, but a sunken rock in lat. $34^{\circ}02.2'$, long. $120^{\circ}07.0'$ is carried forward to the present survey because it is about 300 meters NW of the present limits of the reef and because there is an indication of a shoal on the present hydrographic survey,

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-1325 (1872-73) in part.
T-1326 (1872-73) " "

B. Reviewed by - A. F. Jankowski, July 11, 1935.

Examined and approved:

K.T. Adams
K. T. Adams,
Asst. Chief, Division of Charts.

L.O. Pollock
Chief, Division of Charts.

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

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

applied to Chart 5116 - 12/17/35 - *WJ*
applied to Chart 5115 - Jan, 1936 *WJ*
" " " 5202 - Mar 1936 *C.M.*
" " " 5101 - May 1936 *C.M.*