

4906

U. S. COAST & GEODETIC SURV.
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Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

4906

Topographic } Sheet No. T - G
Hydrographic }

State California

LOCALITY

Santa Cruz Island

~~West End~~

(Northwestern Part)

1935

CHIEF OF PARTY

Chas. K. Green

U. S. GOVERNMENT PRINTING OFFICE: 1934

4906

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYU. S. COAST & GEODETIC SURVEY
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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 * QREGISTER NO. **4906**State CaliforniaGeneral locality Santa Cruz Island *Large*Locality ~~West end~~ (Northwestern Part)Scale 1:2 0,000 Date of survey Mar. - June, 19 34Vessel Ora B. (chartered)Chief of Party C.K. GreenSurveyed by R.S. ThompsonInked by N.C. SkansenHeights 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 Q
West end Santa Cruz Id.
California

Instructions

October 31, 1932 and September 9, 1934

Limits and Scale

This sheet embraces a strip of the shoreline of the north side of the island from long. 119-43 to the west end of the island. Also this sheet covers the shoreline of the south side of the island from the west end to lat. 33-59 and long. 119-53.

The scale is 1:20,000.

General Description.

The shoreline on this sheet extends in an east-west direction and consists generally of bluffs 40 to 500 ft. in elevation from the eastern limits on the north side to Fraser Point on the west end. Except at the mouths of the larger canyons making down to the shore there are no beaches or bights. From Fraser Point to the eastern limits on the south side of the island broken bluff lines 40 to 300 ft. in height form the shoreline except for the long sandy beach at the mouth of the Canada Cervada. From the vicinity of Twin Harbor west to Cueva Valdaze the island is generally wooded with live oaks. Water runs in all of the larger canyons. These canyons make down from the long main ridge running the length of the island, the highest of which is shown on this sheet, Devil's Peak, elevation 2434 ft.

There are no towns or settlements. A rock quarry located at Fry's Harbor with spur tracks leading to the shore, is now not in operation. There are however, several summer cottages for renting and during the summer months is visited by yachtsmen, as is the shoreline as far west as the Painted Cave, an attraction for sightseers.

There is a telephone line (Grounded Circuit) that connects the west end ranch, the main ranch, Pelican Bay and the ranchouse at the wharf at Prisoner's Harbor.

There is a road, rather poor because it is not kept up, but well graded and drained from the original construction, that runs from the wharf at Prisoners Harbor to the main ranch and thence thru the valley west to the west end ranch. There is a caretaker at this ranch. Trails run along the main ridge to the west end.

This portion of the island is swept by the strong north-west and west winds that blow almost continuously except during the winter. Grass, except on the gentler slopes, is scarce and the only other vegetation is the pear cactus.

Emergency landing fields for planes are not maintained but landings can be made in the prevailing winds inside the fenced field just east of the west end ranch and on the sandy beach at this ranch. Planes have been reported as landing on the flats in back of Forney's Cove.

Special Notes

Rocks referred to LM on this sheet were inked in error. They refer to LLW. The shoreline is clear of offlying dangers, except for small offshore rocks none more than 100 meters offshore.

Descriptive Report
Topographic Sheet Q
(2)

Control

14 triangulation stations on the sheet with 7 on or near the shoreline gave adequate control. Only one long traverse was run but no adjustment was necessary.

Geographic Names

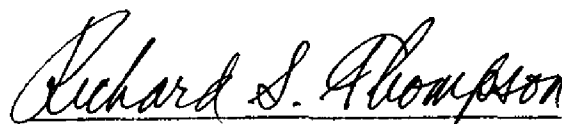
Since the original survey the names of several of the anchorages have changed or interchanged. Preference should be given to the local names to avoid confusion. The anchorage just east of Diablo Point should be called Fry's Harbor; the anchorage just west of Diablo Point should be called Diablo anchorage. About a mile west of Diablo Point there is a small anchorage that is now known as Lady's Harbor. Twin Harbors at the extreme eastern end of the sheet are shown on the chart as Tinker's Harbor. Preference should be given the name Twin Harbors. Cueva Valdaze and the Painted Cave should be shown on future charts. Canada Los Sauces should be the name of the large canyon on the southwest portion of the sheet.

Changes in shoreline

The shoreline on this sheet corrects the shoreline as shown on the old bromides. A shoreline traverse of the whole length of the island was made and gives all detail.

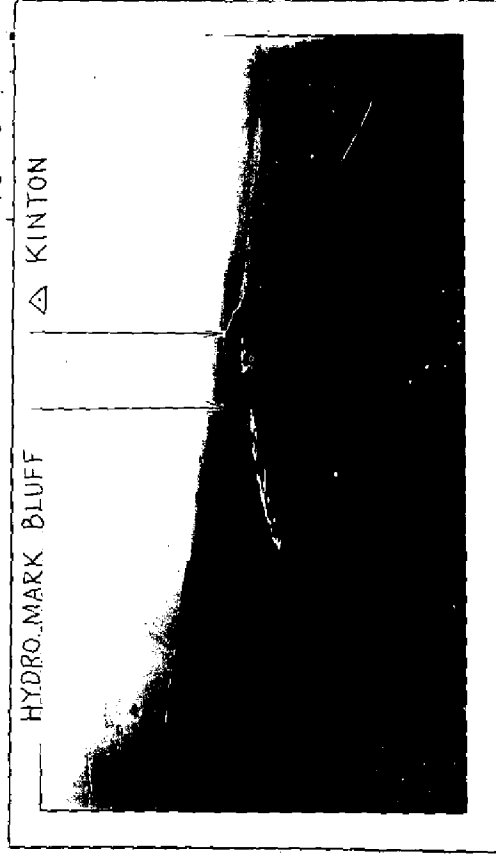
Contours

Wherever possible contours were cut in from the beach to check the old work. Likewise theodolite vertical angles were taken. Consequently differences were found in comparison with the old elevations. This difference was found to be almost constantly about 33 feet all over the island. The new elevations should be used. These are about 33 feet higher than the old elevations.


Richard S. Thompson, Surveyor.



METHOD OF TRANSPORTATION TO
WEST END RANCH



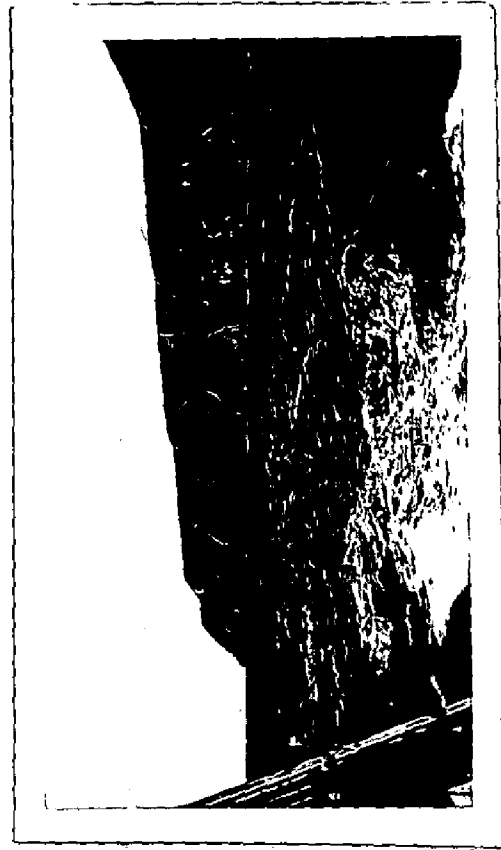
HYDRO-MARK BLUFF

△ KINTON

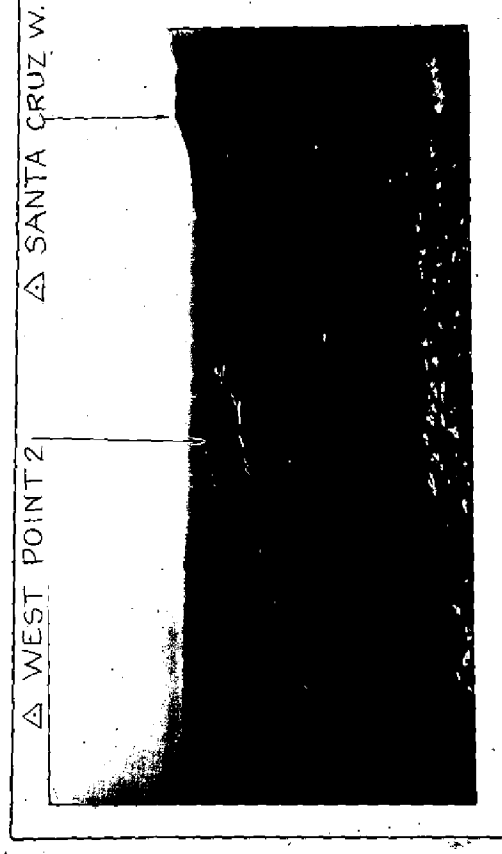
OVERLOOKING SANDY BEACH AT NORTH OF
CANADA CERVADA

SANTA CRUZ ISLD.
WEST END

SHOWING BLUFFS NORTH SIDE



LOOKING WEST SOUTH SIDE



△ WEST POINT 2

△ SANTA CRUZ W.

APPROVAL OF CHIEF OF PARTY

Topographic sheet "T-Q" has been inspected and approved by me.
The field work was done under my occasional supervision and the
inking under the direct supervision of Lieut. Robert W. Knox.

Respectfully submitted:

Chas. K. Green

Chas K. Green,
Chief of Party.

Survey No. T-4906

GEOGRAPHIC NAMES

Date. Mar. 21, 1935

Chart No. 5202

California.

Diagram No. 5202-2

Examined by W. J. W.

Approved by the Division of Geographic Names, Department of Interior. *

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

Under investigation. Q

Names underlined in red approved Mar 28, 1935

Harlow Bacon

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
X	<u>West Point</u>	Same			
X	<u>Painted Cave</u>		Same	Same	
X	<u>Frys Harbor</u>		"	"	
X	<u>Diablo Point</u>	Same			
X	<u>Diablo Anch.</u>	"			
X	<u>Ladys Hbr. Harbor</u>	Boat Landing	Ladys Harbor same		
X	<u>Arch Rock</u>				
X	<u>Cueva Valdaze</u>		Same	Same	
X	<u>Forneys Cove</u>	Same			
X	<u>Fraser Pt.</u>	"			
X	<u>Platts Hbr.</u>	"			
X	<u>Twin Hbr. Harbors</u> ^{R. D.G.N.}	Tinkers Hbr.	Twin Hbr	Twin Hbr	
X	<u>Canada Cervada</u>	Same			
X	<u>Canada los Sauces</u>	"	Same	Same	
X	<u>Kinton Pt.</u>	Same			
X	<u>Santa Cruz Island</u>	"			
X	<u>Santa Barbara Channel</u>	"			
X	<u>santa cruz channel</u>	"			

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4906 (1934) - FIELD LETTER Q

Santa Cruz Island, Northwestern Part, California

Surveyed March - June, 1934

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

Plane Table Survey

Cloth Mounted

Chief of Party - C. K. Green.

Surveyed by - R. S. Thompson.

Inked by - N. C. Skansen.

1. Condition of Records.

The Descriptive Report is clear and comprehensive and satisfactorily covers all matters of importance.

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

- a. Scaled one-half meter distances were not laid off for distortion measurement .
- b. Elevations of rocks bare at H. W. are shown in black. The requirement is that red figures be used.
- c. Rocks erroneously referred to L. W. (see D. R., page 1) were changed to refer to MLLW.
- d. In several instances bare rocks were shown with the height above L. W. These were reduced and the height above MHW is now shown in red.
- e. A rock in lat. $34^{\circ}04.1'$, long. $119^{\circ}55.3'$ bearing 5 ft. at MLLW, shown as a bare rock, was changed to a rock awash.

2. Compliance with Instructions for the Project.

The survey complies with the instructions.

3. Junction with Contemporary Surveys.

Satisfactory junction was made with T-4909 (1934). The junction with T-4908 (1934) on the east is out about 5 meters.

4. Comparison with Prior Surveys.

a. T-1436 (1874-75).

A comparison of this survey with the present survey shows a good general agreement. Occasional differences in the delineation of short stretches of shoreline are of minor importance. It does not appear that any changes have occurred except for some filling at the mouths of the canyons. The area is comparatively free from offlying rocks and the present survey verifies most of the rocks formerly shown. A few rocks are carried forward in green to the present survey but they are not listed here because in every case they are very close to shore and of minor importance. A general comparison of contours shows fair agreement in general trend. The present elevations are consistently 33 ft. higher than the old elevations (see D. R., page 2).

5. Field Drafting.

The field inking is good.

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 for charting purposes:

T-1436 (1874-75)

8. Reviewed by - A. F. Jankowski, July 8, 1935.

Examined and approved:

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

L. O. Whit
Chief, Division of Charts.

J. Borden
Chief, Section of Field Work.

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

appears to chart 5115 Jan 15, 1936 - L. J. Zerkowid
" " " 5202 Mar 1936 E. M. Z.
" " " 5101 May 1936 E. M. Z.