

4880

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

DESCRIPTIVE REPORT

Topographic | Sheet No. L 4880
~~Hydrographic~~

State California

LOCALITY

Santa Barbara Channel

Capitan to Arroyo Quemado

1933

CHIEF OF PARTY

C.K. Green

Applied to draw of Chart 5202 - Mar 1936 C.M.Z.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4880

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 L

REGISTER NO. 4880

State California

General locality ~~St. Thomas Santa Barbara Channel~~

Capitan to Arroyo Quemado

~~Long. 119 59~~

Locality ~~the west of El Capitan to Arroyo Quemado 120 07~~

Scale 1-10,000 Date of survey June and August, 19 33

Vessel Shore Party

Chief of Party Chas. K. Green

Surveyed by Harry T. Kelsh

Inked by Harry T. Kelsh

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

Contour Approximate contour Form-line interval 50 feet

Instructions dated October 31, 1932

Remarks:

Descriptive Report
to accompany
Topographic Sheet 'L'
N.Shore Santa Barbara Chan.
California

INSTRUCTIONS

October 31, 1932

LIMITS AND SCALE

This sheet embraces a strip of shoreline on the north side of Santa Barbara Channel, from a point two miles east of El Capitan to Arroyo Quemado (long. 119-59 to 120-07.)

The scale is 1-10,000

GENERAL DESCRIPTION

The strip of shore area shown on this sheet has in general a nearly straight shoreline extending in an east-west direction, with two small rounding points making a westerly lee, at El Capitan and El Refugio; and affording the only anchorages within the limits of this sheet.

The shoreline itself is a nearly continuous line of low cliffs, rising to a maximum of 90 feet, broken by an occasional small canon. At the base of the cliffs is a narrow strip of sand that is largely a half tide beach.

At El Capitan the beach is of rubble and small boulders.

Foothills rise directly from the coastline to an elevation of 4-800 ft. with a series of long valleys or cañadas, normal to the shoreline. (The hills are mostly bare of trees.)

This general condition forces both the Southern Pacific R.R. and the Coast Highway to closely follow the shoreline for most of the eight mile stretch shown.

There are no towns. At El Capitan and El Refugio auto camps of considerable size have been developed. An oil field of apparently increasing importance, is located 1 1/2 miles west of El Capitan. There are no piers or offshore derricks, of any size. Two small derricks (sig. 71k and 71d) on piling, extending out 20 ft.

SPECIAL NOTES

The shoreline is clear of offshore dangers for the entire length of the sheet. A few half tide rocks are scattered along the shore, but the farthest out is within 30 meters of the low water line.

LANDMARKS

Signal 'Con' is an aluminum colored tank on the brow of the hill just above the oil field west of El Capitan. It is fairly conspicuous. Elevation 548 ft. (Height of tank 35 ft app.)

A large barn (sig. 7ab) shows up well, on the hillside just in from the point of El Refugio. Elevation 130 ft.

CONTROL

The control for this sheet is perfect, with 4 triangulation stations evenly spread along the shoreline and 4 more in the foothills near the coast.

Short traverses were run. No adjustment necessary.

GEOGRAPHIC NAMES.

This section is sparsely developed, except as farm land.

The names Capitan, Orella and Tajiguas appear on the present chart 5202.

Orella is a railroad station. One store is located on the Coast Highway near it.

Tajiguas is a railroad siding.

El Capitan is locally well known, as an auto camp, on the point at the mouth of the canyon of that name.

The oil field west of Capitan is largely in the hands of the General Petroleum Co., the lease being called the Urburu Lease, but the field does not have a definite or well known local designation.

The name Capitan, shown on chart 5202 is correct for the railroad stop of that name.

Refugio Beach is the name given to the auto camp and picnic resort developed at the mouth of Refugio canyon, and is well known locally.

CHANGES IN SHORELINE

The shore line appearing on this sheet appears substantially unchanged from the previous survey.

There is a small difference at the mouth of Tajiguas Creek where the present beach appears to be about 20 meters inshore from previous position.

At Refugio the former work showed the point about 15 ft. farther out, and the beach just east of the point inshore of present position by the same amount.

CONTOUR As with all this section of shoreline the original survey was made with great amount of detail as to contouring, and creek lines. Apparently all hilltops were occupied, together with intermediate set ups, and a degree of accuracy obtained impossible to equal when endeavoring to secure same from the beach. No attempt was made therefore to run down the creek lines, all of which are wet weather streams of no importance, but which are the same as previously shown, except at the mouths, which have in practically all cases been closed off by the fills made for the Coast highway and the Southern Pacific R.R., with culverts under the roads.

The contours shown on the topographic sheet 'L' should be considered merely as a check of a general nature on the previous work, except for the small changes at the shoreline due to the above mentioned fills. All individual elevations shown on the sheet however are believed accurate.

Harry D. Kelsh

Harry D. Kelsh
Surveyor

APPROVAL OF CHIEF OF PARTY

Topographic sheets lettered "L" to "O" have been inspected and approved by me,
as have the descriptive reports.


Chas K. Green
Chief of Party

Date. March 7, 1935

GEOGRAPHIC NAMES

Survey No. T*4880

Chart No. 5202

California

Diagram No. 5202-2

Examination by W.D.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. 27, 1935
Harlow Bacon*

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
✓	<u>Canada de las Ilagas</u>	Same			
✓	<u>Capitan</u>	"			
✓	<u>Canada del Capitan</u>				
✓	<u>Canada del Corral</u>				
✓	<u>Canada del venadito</u>				
✓	<u>Canada del Refugio</u>				
✓	<u>Tajiguas Creek</u>				
✓	<u>Tajiguas</u>	"			
✓	<u>Arroyo quemad@</u>	<u>Arroyo Quemado</u>			
✓	<u>Refugio Beach</u>	-----			
	Authority: In Spanish the adjective must agree with the noun in number and person, the expression signifies " Dry (or Dried Up) Rivulet"				
	For the other names Charts 5202 and P.M.M. of Lompoc.				
✓	<u>Santa Barbara Channel</u>				

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4880 (1933).

Capitan to Arroyo Quemado, Santa Barbara Channel, California

Surveyed: June-August, 1933

Instructions dated: October 31, 1932 (Green)

Plane Table Survey - Cloth Mounted.

Chief of Party - C. K. Green.

Surveyed by - H. T. Kelsh.

1. Condition of Records.

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

a. Names of triangulation and topographic stations and notes regarding land features are shown in slanting lettering. The accepted manner is to show notes regarding objects above high water in vertical letters.

2. Compliance with Instructions for the Project.

The survey complies with the instructions for the project in every respect.

3. Junctions with Contemporary Surveys.

Satisfactory junctions were made with T-4859 (1933) on the east and with T-4881 (1933) on the west.

4. Comparison with Prior Surveys.

a. T-1247 (1871).

The shoreline on this survey is in good agreement with the present survey except at the mouth of Tajiguas Creek (lat. $34^{\circ}27'.8$, long. $120^{\circ}6'.0$) where the high water line of the present survey is about 20 meters farther inshore. Also in lat. $34^{\circ}27'.75$, long. $120^{\circ}04'.0$ the high water is now about 15 meters farther inshore. The point marking Canada del Capitan (lat. $34^{\circ}27'.5$, long. $120^{\circ}01'.4$) has been eroded about 10 meters back on the west side and built up about 20 meters on the east side. The present surveys shows several rocks a short distance from the low water line which had not been located on the previous survey.

A general comparison between the contours of this survey and those shown on the present survey shows a satisfactory agreement. A close comparison by tracings was not made.

b. T-1338 (1873).

This survey is in good agreement with the present survey in the $1\frac{1}{2}$ miles of shoreline which is common to the surveys.

5. Field Drafting.

The field inking of the survey is good.

6. Additional Field Work Recommended.

The survey is complete and no additional work is required.

7. Superseding Old Surveys.

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

T-1247 (1871) in part.

T-1338 (1873) in part.

8. Reviewed by A. F. Jankowski, April 1935.

Examined and approved:

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

B. Borden
Chief, Section of Field Work.

R. O. Golbut
Chief, Division of Charts.

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