<table>
<thead>
<tr>
<th>Sheet No.</th>
<th>4880</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>California</td>
</tr>
<tr>
<td>Locality</td>
<td>Santa Barbara Channel</td>
</tr>
<tr>
<td></td>
<td>Capitan to Arroyo Quemado</td>
</tr>
<tr>
<td>Date</td>
<td>1923</td>
</tr>
<tr>
<td>Chief of Party</td>
<td>C.K. Green</td>
</tr>
</tbody>
</table>
Applied to draw of Chart for 7 Nov 1934. Om. Z.
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 L

REGISTER NO. 4880

State California

General locality H. Shore Santa Mirera Ranch Capitan to Arroyo Quemado

Locality (10.11.25)

Scale 1-10,000

Date of survey June 4th, 1933

Vessel shore party

Chief of Party Chas. H. Green

Surveyed by Harry T. Kelah

Inked by Harry T. Kelah

Heights in feet above ground to tops of trees

Contour Approximate contour Form line interval 50 feet

Instructions dated October 31, 1932

Remarks:

U. S. COAST AND GEODETIC SURVEY 1932
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 west 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 caving 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 cove. At the base of these 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 400 ft. with a series of long valleys or canyons, normal to the shoreline. (i.e.- hills are mostly bare of trees.)

His 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 mile west of El Capitan. There are no piers or offshore derricks, of which 5 or 6 small derricks (i.e.- of 10 and 20) are piling out 20 ft. SPECIAL TOOLS

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 50 meters of the low water line.

LATTICES

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 545 ft. (height of tank 38 ft app.)

A large barn (sig. 'Tab') 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 NOTES.

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 'South Petroleum Co., the lease being called the Ururu 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 shoreline 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 feet 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.

CONTOURS 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.

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.

[Signature]

Harry F. 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
GEORPHIC NAMES

Date: March 7, 1935

California

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 May 27, 1935

<table>
<thead>
<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td>Canada de las Llanas</td>
<td>Same</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Capitan</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Canada del Capitan</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Canada del Corral</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Canada del venadito</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Canada del Refugio</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Tajiques Creek</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Tajiques</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Arroyo quemado</td>
<td>Arroyo Quemado</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>✓</td>
<td>Refugio Beach</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Authority: In Spanish the adjective must agree with the noun in number and person, the expression signifies "Dry (or Dried Up) Rillulet"

For the other names Charts 5202 and E.M.M. of Lompoc.

| ✓      | Santa Barbara Channel |               |                        |                         |          |
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.


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. Juncions with Contemporary Surveys.

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


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°27'.8, long. 120°06'.0) where the high water line of the present survey is about 20 meters farther inshore. Also in lat. 34°27'.75, long. 120°04'.0 the high water is now about 15 meters farther inshore. The point marking Canada del Capitan (lat. 34°27'.5, long. 120°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.


Examined and approved:

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

K. O. Robertson, Chief, Division of Charts.

B. M. Gordon, Chief, Section of Field Work.

Chief, Division of H. & T.