

1899

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Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Topographic*

Field No. _____ Office No. *1899*

LOCALITY

State *California*

General locality *San Marco*

Locality *Island Northward*

1887.7

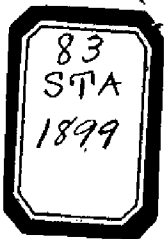
-194-

CHIEF OF PARTY

A. F. Rodgers

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DATE _____



U. S. COAST AND GEODETIC SURVEY.

F. M. Thorn, Superintendent.

State: *California.*

DESCRIPTIVE REPORT.

Topographic Sheet No. *1899.*

LOCALITY:

*Northward from
San Marcos Valley*

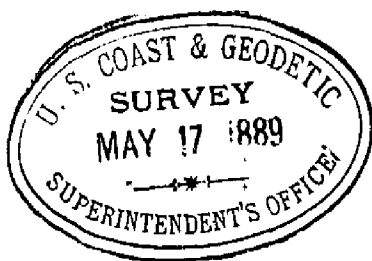
1887-8.

CHIEF OF PARTY:

A. F. Rodgers.

Sec. 1645

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DESCRIPTIVE REPORT

To Accompany Original Field Sheet, Entitled

TOPOGRAPHY, PACIFIC COAST

Northward from

SAN MARCOS VALLEY, CALIFORNIA.

----- 1887-8 -----

Scale $\frac{1}{10,000}$

Geographic Locality,

Lat. 33° 05' to 33° 10' 12',

Central Meridian 117° 19'.

Survey by, (AUG. F. RODGERS, Asst. U.S.C. & G.S., Chief of Party,
(JOHN E. McGRATH, Sub Asst. U.S.C. & G. Survey.

DESCRIPTIVE REPORT

To accompany Original Field Sheet entitled, Topography, Pacific Coast

Northward from San Marcos Valley, California, 1887-8, Scale $\frac{1}{10,000}$

Survey by Aug. F. Rodgers, Assistant U. S. C. & G. S., Chief of Party

and John E. Mc.Grath, Sub Assistant U. S. C. & G. Survey.

Reg. No. 1899.
-----:o:-----

Locality.

The locality embraced is upon the coast of San Diego County, California, between Latitudes $33^{\circ}05'$ and $33^{\circ}10'$ to $12'$.

The Central Meridian of the sheet is $117^{\circ}19'$.

Climate.

I refer this topic to the sheet next north of this entitled, "Topography, in Vicinity of Oceanside, &c".

Rainfall, &c.

Ditto.

Winds.

Ditto.

Barometric Range, &c.

Ditto.

Topographic Detail, &c.

Ditto.

Character of Soil, &c.

Ditto.

Coast Line, formation, &c.

The coast line within the limits of the sheet is formed by an argillaceous sandy bluff from 20 to 60 feet in height, of original drift, inlaid with shells and shingle.

This bluff is broken at intervals by the Esteros and Valleys of San Marcos, the Canada de Macario, the Agua Hedionda, Buena Vista, and Loma Alta. Of these, San Marcos, Agua Hedionda, and Buena Vista, must have been but recently, in a geologic sense, entered freely by the ocean tides. They are for as much as a mile inland from the ocean, still but little above the level of Mean High Water, but protected now from the break of sea waves by dykes of sand or shingle.

During the wet season, they are overflowed by fresh water and storm waves break over the front dykes mentioned, when the area for a mile inland from the sea forms a shallow lagoon. During the dry season, the greater part of this area is covered by a white coating of alkali, which is probably a residuum of the moisture evaporated during the hot sunny days of summer.

I have noticed the same character of deposition upon the so-

called "Alkali Plains" of Nevada and Utah.

Except where this coating is marked by wagon tracks, it is as white and glistening as snow, and it is only along the margin nearest the hills, that even the most hardy vegetation is able to maintain itself, and there it is of the usual character of Salt Marsh Grass, (*Salicornia Herbaceæ*).

Depths off shore, &c.

Same as Oceanside sheet.

Lines of Breakers, &c.

Same as Oceanside sheet.

Beach formation.

Same as Oceanside sheet.

Rocks, Ledges, &c.

No rocks or ledges above low water plane.

Danger to stranded Vessels.

Same as Oceanside sheet.

Traveling Dunes.

None.

Shingle Levees, &c.

The shingle levees within the limits of the

sheet are small and local: there are such levees in front of San Marcos and Agua Hedionda, the latter being the largest.

In general character they are the same as those described on the Oceanside sheet.

Recession of the Coast Line.

See sheet of Oceanside and Vicinity,
next North.

Rivers, River beds, &c.

None.

Salt Marsh Lands, &c.

The areas are small and need no special description.

Natural Vegetation.

Forest growth is inconsiderable within the limits of the sheet.

Sycamores, Alders, and Willows, grow in all the valleys.

There are areas as shown on the sheet covered by the smaller growth of brush from 3 to 10 feet in height,- Dwarf Oak,- Manzanita,- Sumach,- Poison Oak, (Rhus Toxicodendron),- and Sage, (Salvia Azular),- &c.

For further description see Report on Oceanside sheet.

Fruits and Fruit Trees.

Same as Oceanside sheet.

Settlements.

The principal settlements within the limits of the sheet are, the suburb of Oceanside, known as South Oceanside, and the village of Carlsbad: the latter makes a claim of natural water from artesian wells equal in curative properties to the famous Karlsbad Spa of Bohemia.

Rail Roads, &c.

The main California Southern Rail Road passes through Carlsbad, but has no branch lines leading thereto connecting with the town.

Wagon Roads.

Same as Oceanside sheet.

Wharves.

None.

Bridges.

Same as Oceanside sheet.

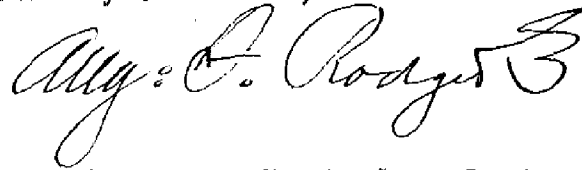
Elevations, &c.

All the elevations upon the sheet and the contours

(6)

of level are referred to Mean High Water .

Respectfully submitted,

A handwritten signature in cursive script, reading "My: C. Rogers B". The signature is written in dark ink and is positioned below the typed name.

Assistant U. S. C. & G. Survey.

Examination of Topographic Sheets

by the

Divisions of Field Work and Field Records.

1899a
Revision

1. Has the magnetic meridian been determined? *No*
2. Is the point occupied for the determination of magnetic meridian designated?
3. Is the approximate or rodded location of high water mark in back of mangroves shown?
4. Have navigable rivers been surveyed?
5. Is interior information given by descriptive legends or otherwise?
6. Is the inking of the sheet legible? *Yes*
7. Is projection properly shown?
8. Are methods of surveying fully described? *No O. L.*
9. Are descriptive legends given concerning conspicuous islets, objects, rocks, and other features given in blank areas?
10. Are geographic names given?
11. Is full information regarding geographic names given in the descriptive report in accordance with paragraph 557 of the Instructions for Field Work?
12. Are the names of topographic signals given?
13. Does the sheet have a neat appearance?
14. Is sufficient contouring shown, some of which could be obtained by sextant directions from boat positions?

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15. Is the control good?
16. Is the sheet well laid out?
17. Is the accuracy of traverses between triangulation stations stated
in the descriptive report? ... *No D.R.*
18. Are the elevations of prominent rocks or islets given?
19. Are the description of reefs, as bare, awash or covered at high or
low water given?
20. Are objects useful for future surveys indicated? ... *No D.R.*
21. Is there a record of marking topographic stations?
22. Is the character of the beach shown in various places?
23. Is the plane of reference for elevations given?
24. Is the low water line determined at important places?
25. Is there a full list of data affecting sheet given on title sheet?
.....
26. Is there a list of plane table positions? ... *No*
27. Are the elevations whether that of tree-top or ground indicated? .
.....
28. Does the descriptive report give date of instructions? ... *No*
29. Is a sketch given showing contouring of interior mountainous country
beyond limits of sheet?
30. Is the general description of the coast given?
31. Is there information about obtaining fresh water?
32. Have standard symbols for various features been used?

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33. Is the survey complete?
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34. Is there a note as to cultivations, roads and other improvements?
.....
35. Is commercial information given in descriptive report?
36. Is there a list of landmarks? *no*

Remarks

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