

1645

a File under T-1645

1646

a

1738

1898

1899

1900

2013

2014

2015

2016

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: _____

11-5613

DESCRIPTIVE REPORT.

Topog. _____ Sheet No. _____

LOCALITY:

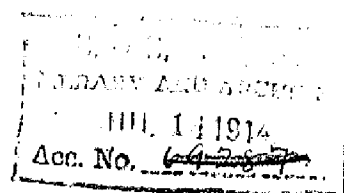
Southern

California

1914
192

CHIEF OF PARTY:

J.W. Maupin



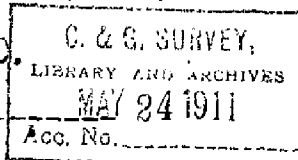
~~Season~~
and
Descriptive Report
of
Chart Revision Work in Southern California.
to
Accompany Original Topographic Sheets.
(Photo Reproductions)
1 to 10 inclusive.
by
John W. Maupin - Season Jan 21 to May 31
1914.

Topo = 1645^a
1646^a
1738^a
1898^a
1899^a
1900^a
2013^a
2014^a
2015^a
2016^a

} to map

DESCRIPTIVE REPORT TO ACCOMPANY REVISED SHORE LINE,
COAST OF SOUTHERN CALIFORNIA, FROM NEW RIVER TO NEWPORT BAY.

SHEETS 1345, 1369 & 1392 - Scales 1/40 000.



Sheet 1345:a

The control of this sheet is based on a scheme of triangulation expanded from the base "Scallop Pt. - Clam Pt." lying across the valley of the Santa Ana River. These old stations were recovered with considerable difficulty, after extensive digging and grading with teams and scrapers.

The triangulation was extended westward as far as the Pavilion at Anaheim Creek, and the corrections along the shore line connected to points trigonometrically determined.

The pleasure pier at Bay City was located on revised chart No. 5/43 by triangulation from the westward but on sheet No. 1345 submitted herewith it has been independently located by the new triangulation.

There is but little change in the shore line at the mouth of Anaheim Creek. The spit at the eastern point of the entrance has moved inshore slightly but is probably subject to frequent small changes.

There is a pleasure pier and about 30 residences at Sunset Beach.

The inlet at Bolsas Creek has been closed for some years, and the creek is now connected by a canal with Anaheim Creek. A dam has been built by the Bosa Chica Gun Club at the point of the bluff as shown. This dam has an automatic gate permitting an outflow from the marsh above it but closing against an inflow from below. The result of this action is that the area above the dam is now practically a fresh water marsh being fed by drainage from the peat land above.

There is a conspicuous high red water tank on the county road about 1/2 mile inshore as shown.

The high water mark throughout this sheet has been corrected by

Season and
Descriptive Report of
Chart Revision work in Southern California
To accompany Sheets (original topographic)
1 to 10 inclusive.

Season Jan 21 - May 31 - 1914.

Limits and General Remarks.

The ground covered by this Season's work extends from a point just south of Newport Bay, where Assistant Rhodes left off in 1910, to (but not including) the town of La Jolla. The revision work covers the territory within the limits shown on the original topographic sheets. The work of recovering and re-marking the old triangulation stations (A.F. Rodgers 1884-86 & 87 and A.W. Chase 1874-75) consumed more time and effort than did the topographic work. Relatively speaking, the area contained in this work, is not at present, of very great importance from a mariner's standpoint, as vessels plying the coast set a straight course from San Pedro Channel to clear Pt Loma (or vice versa), thus passing the greater part of this coast too far out to see ordinary objects.

Prominent Objects.

For future use, and for vessels passing closer inshore, a number of prominent objects, such as

conspicuous ware houses, water tanks, barns, school houses, etc, were determined by sextant angles taken at the triangulation stations and plotted on the sheets. There were no light houses or beacons on this ^{Coast}, Towns and Villages.

Generally speaking, the towns in Southern California, have remained quite inactive since the original topography was done. Oceanside, San Juan Capistrano, Encinitas, Carlsbad (now called Carl) and Del Mar have shown very little advancement, while many of the smaller places have almost become depopulated. Laguna (and additions) has grown some, and a small village called Cardiff, between Encinitas and Del Mar, is being promoted. San Juan, Mateo, San Onofre, Las Flores, Seda, La Costa, and Merle should not be shown as villages on Chart 5100, for there are practically no tenanted houses at any of these places and they are merely crossroad flagging stations for local trains. Oceanside should be given the most prominence on the chart, and Laguna, Encinitas, San Juan Capistrano, Del Mar, Cardiff and Carl, are all about on a par. There are many Realty promoters in Southern California, but not enough people to utilize all of the

sub-divisions. Much of the topography shown on the original sheets was omitted from the copy of Chart 5100 in my possession.

Roads.

A number of new roads, near the coast, were surveyed and many roads and buildings were removed from the chart. Some of the old roads, running back from the coast, ~~and~~ are scarcely ever used, but they were left on the chart under possibility of a revival of their usage. The new coast state highway is the most important road which traverses this territory. This new highway is being concreted and, at the present time, the portion between Las Flores and Oceanside and from South Oceanside to Del Mar has been completed. It is very much traveled and on this account most of the other roads parallel to the coast are falling into disuse. The Coast roads in San Diego county are in much better condition than in Orange County.

Change of Coast line.

With only one exception, there was not evidence of sufficient change in the shore line to affect the accuracy of the published charts. The old triangulation stations, along the coast, which

were recovered, gave excellent evidence of this, and from these old stations the shore line was tested by angles and tangents. The beach at the mouth of San Juan River was the only change of any note.

Methods.

The general method, followed in doing the work, was to recover the triangulation stations first and from these take sextant angles to prominent objects. Roads etc were often run in by compass and distance obtained by counting the revolutions of the wagon wheels. Local maps were obtained, whenever practicable, for correction of roads, streets, etc.

Recovery of old Triangulation Stations.

A total of 92 old triangulation stations were recovered, and, out of this number 86 were re-marked with standard station and reference marks set in concrete piers. There were no considerable stretches where none of the old triangulation stations could be recovered, therefore it was not deemed necessary to establish new ones. The old stubs were usually decayed and were often missing, but, in some cases, they were in fairly good preservation, depending on the kind of

soil they were in. Strange to say, one of the old signals (A Tower) was still standing in its original position, and was so rotten it offered very little resistance, but toppled over, when pushed, and broke in numerous pieces as it fell to the ground.

John W. Maupin
Asst. C & G Survey.

Season Jan 21 to May 31-1914.

1898

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Topographic*

Field No. _____ Office No. *1898*

LOCALITY

State *California*

General locality *San Diego into*

Locality *Valley. Northwest*

1887-8

194

CHIEF OF PARTY

A. F. Rodgers

LIBRARY & ARCHIVES

DATE _____



U. S. COAST AND GEODETIC SURVEY.

F. M. Thorn, Superintendent.

State: *California.*

DESCRIPTIVE REPORT.

Topographic Sheet No. *1898.*

See 1645

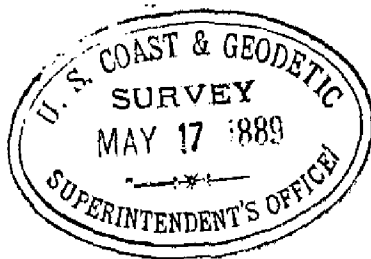
LOCALITY:

San Dieguito Valley
Northward.

1887-8.

CHIEF OF PARTY:

A. F. Rodgers.



DESCRIPTIVE REPORT

To Accompany Original Field Sheet, Entitled

TOPOGRAPHY, PACIFIC COAST

Northward from

SAN DIEGUITO VALLEY, CALIFORNIA.

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

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

Geographic Locality,

Lat. $32^{\circ}58'$ to $33^{\circ}05'$,

Central Merid. $117^{\circ}16'$.

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

DESCRIPTIVE REPORT

accompany Original Field Sheet entitled, Topography, Pacific Coast

Northward from San Dieguito 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. 1898.
-----o:-----

Locality,

The locality embraced by this sheet is between the
Latitudes of $32^{\circ}53'$ and $33^{\circ}05'$. The Central Meridian of the
sheet is $117^{\circ}16'$.

Climate,

I refer to the Oceanside sheet two sheets North of this one.

Rainfall,

Same reference.

Winds,

Same reference.

Barometer, Range &c.,

Same reference.

Topographic Detail &c.,

Same reference.

Character of Soil &c.,

Same reference.

Coast line, formation &c.,

The Coast line within the limits of the sheet is formed by a bluff from 20 to 100 feet in height, broken at intervals by the Esteros and Valleys of San Dieguito, San Alejo and San Marcos. Approximately half way between the two last named, a Cañon known as Cottonwood Cañon, reaches back from the coast line and opens into a valley arable and well cultivated. San Marco was described on the sheet north of this and to San Alejo the same description applies, except a portion of the lower part, which is covered with salt marsh grass, "Salicornia Herbaceæ", it is for a mile inland a shallow lagoon in winter and in the dry season, a glistening white alkaline plain, marked only by the dark lines of travel, which turn up the subjacent black loam or A-do-be.

Depths off shore.

Refer to Oceanside sheet.

Lines of Breakers.

Same reference.

Beach formation.

Same reference.

Rocks, Ledges, &c.

A well defined ledge is exposed slightly above the general level of the beach sands at a point where the parallel of $33^{\circ}02'$ intersects the land and again at 33° near the station called "Ledge A".

There are no off shore ledges nor isolated rocks within the limits of the sheet showing above the plane of low water.

Danger to stranded Vessels.

Refer to Oceanside sheet.

Traveling dunes, &c.

The nearest approach to a "dune" within the limits of the sheet is at the station called "Scott A", Latitude $33^{\circ}04'32''$, but this is local and sporadic.

Shingle Levees.

There are shingle levees in front of San Marcos, (described on sheet north of this), and San Alejo and San Dieguito protecting them from the free entrance of breaking waves of the ocean: these levees are cut at their north ends and there permit the ebb and flow of the higher tides through narrow openings which connect with shallow tidal sloughs.

Size of Shingle, &c.

Refer to Oceanside sheet.

Rivers and River beds.

None within limits of sheet.

Recession of Coast Line.

Refer to Oceanside^{sheet}; remarks particularly applicable to the features shown upon this one, &c.

Salt Marsh lands.

Small areas shown in San Alejo and San Dieguito valleys.

Natural Vegetation.

Refer to Oceanside sheet.

Forest and forest growths inconsiderable within limits of sheet. Sycamores, Alders, and Willows grow in all the valleys.

Quite large areas are covered with dense brush or chaparral.

Fruits, Fruit trees, &c.

In addition to general remarks upon the subject of fruits, &c., in descriptive report to accompany Oceanside sheet, I have personal experience of the excellence of grapes, figs, oranges, lemons, apples, pears, and peaches, grown entirely without irrigation upon the plateaus between San Alejo and Cotton-

wood and San Marcos valleys.

Settlements.

The villages of Encinitas and Leucadia, both of them recently settled, have no further claim for prominence than excellence of climate and fertility of soil: it is too early in the development of San Diego County to even estimate their future. Encinitas has quite a number of transient summer visitors who seek relief from the hot weather of the interior.

Rail Roads, &c.

The California Southern Rail Road passes through Encinitas and gives it daily mail and traffic connections North and South.

Wagon Roads.

Refer to Oceanside sheet.

Wharves, &c.

No wharves within the limits of the sheet.

Bridges.

Refer to Oceanside sheet.

Elevations, &c.

All the elevations upon the sheet and the contours

of level are referred to Mean High Water.

Respectfully submitted,

Myo P. Rodger E

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

Examination of Topographic Sheets

by the

Divisions of Field Work and Field Records.

1898^a
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.R.*
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?

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?

33. Is the survey complete?
.....
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

Position of Tank not clearly indicated
.....
.....
.....
.....
.....