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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. Loomis
Superintendent.

State: *Cal.*

DESCRIPTIVE REPORT.

Map Sheet No. *4442*

LOCALITY:

*Saguel Cove and
Vicinity, Monterey
Bay - Santa Cruz Harbor
and Vicinity - Monterey Bay*

190

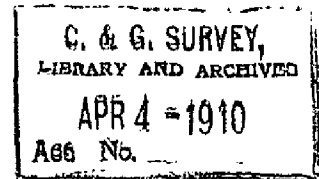
CHIEF OF PARTY:

Ferdinand Westlake

Descriptive Report of Revision of

Topography^{cc} Sheet No. 444

444^a



NO. 444 SANTA CRUZ AND VICINITY.

This sheet takes in the city of Santa Cruz and the surrounding country. The city is built in the gulch of the San Lorenzo River and on the first of the terraces which are an interesting feature of this part of the coast; three plateaus are shown by the contouring on the topographic sheet and another is recognizable at some distance back; Santa Cruz Azimuth Station is near the edge of the most extensive plateau. This terrace formation extends down the coast below Aptos and grows more pronounced as one goes North from Santa Cruz.

The city of Santa Cruz extends from the lumber yard on the West to the large lagoon East of the San Lorenzo River and some distance back in the gulch of that river. Twin Lakes is a residence district only and is not a part of the corporation. Heavily built up sections in the city are indicated by broad lines and residence sections by somewhat lighter ^{thin} lines. Real estate addition near the Wave Motor Tower is indicated by dotted lines; there are no buildings here but the streets are graded. Individual houses are shown only when near the shore line. The accompanying map of the city was transferred to the tracing after traverse lines had been run along the principal streets and prominent buildings and land marks located as shown.

The San Lorenzo River was re-run where shown in full lines; that portion beyond ^{river} was dotted in from the above map. The ^{river} has been filled

in to some extent and the channel running to the Eastward of a small island at the limit of the topography on the old sheet is no longer in existence.

The shore line was re-run from a point just West of the Wave Motor Tower, Eastward. At this point the hard rock comes nearly to the surface but it slopes gradually downward until at the Lt. House point one - half the cliff is sandy clay. All cliffs on this sheet are nearly vertical, shown thus: ~~xxxxxxxxxx~~. A small outcropping of rock of a harder formation is shown 400m West of the ^{Vue} Veau de Léau, a ledge six feet high. A blow hole 100m West of same is not shown on the original sheet. A sand beach extends from the S.P. wharf to the mouth of the river on the East side of which the cliff starts again and continues to the end of the sheet.

The lagoons are as shown on the original sheets, sand bars form at the outlets to the sea and they are open only during heavy rains.

ROADS:

The Cliff Drive runs near the shore line as shown on the tracing

The county road West from Santa Cruz is in nearly the same position as at the time of the original survey having been changed in a few places only.

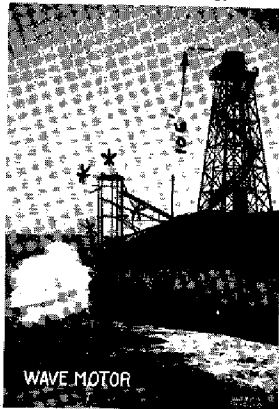
RAILROADS:

Three lines of the Southern Pacific leave Santa Cruz: one to San Francisco, through the tunnel under the Catholic Church; one to Pajaro, Eastward along the coast; and one to Davenport, Westward and Northward along the coast and paralleling the Ocean Shore which is completed to that town only.

The street railway runs along streets shown and Eastward to Twin Lakes and Granite.

The long trestle in front of, and across part of, the East lagoon is close to H. W. mark.

Wave Motor Tower



WAVE MOTOR

Landmarks on this sheet are named as follows:-

..., on the sawmill West of Santa Cruz.

motor), This is a very conspicuous object being visible from all parts of Monterey Bay.

bank elevated (106)- one-hundred six feet above H.W., near the rock which formed part of a wave motor used to fill the

..., staff), This is a staff on



Middle Street (193)

..., roofed building near the edge of the bluff.

These rocks are of the lower hard formation and have remained since the original survey.

..., a small octagonal church, known as the Tabernacle.

..., a small dome surmounted by staff,

..., near site of the old mission,

..., a cross at apex.

..., a cone shaped cupola on the Southeast corner of the Hotel.

..., a triangulation, a staff surmounting the large dome of

..., the Casino.

..., makes Baptist Church.

..., East side of San Lorenzo River.

SAN VICENTE LUMBER COMPANY

HIGH SCHOOL

the

HOLY CROSS CHURCH

The long trestle in front of, and across part of, the East lagoon is close to H. W. mark.

The principal landmarks on this sheet are named as follows:-

Middle Stack of three , on the sawmill West of Santa Cruz.

Water Tower (Wave motor), This is a very conspicuous object being visible over a large portion of Monterey Bay.

it is a water tank elevated (106)- one-hundred six feet above H.W., near it are two wells in the rock which formed part of a wave motor used to fill the tank. *Vice*

Veaw de Leau (staff), This is a staff on the top of a small octagonal roofed building near the edge of the bluff.



Rocks off L. H. point, These rocks are of the lower hard formation and appear to have changed little since the original survey.

Tabern^acle Cupola, cupola of octagonal church, known as the Tabern^acle.

High School, A four sided dome surmounted by staff,

Catholic church spire, near site of the old mission,

a tall spire with (+) gilded cross at apex.

Grammer school cupola,

Sea Beach Hotel cupola, cone shaped cupola on the Southeast corner of the main part of the Sea Beach Hotel.

Casino Dome, located by ^ctr^angulation, a staff surmounting the large dome of the amusement place known as the Casino.

Twin Lakes spire, on Twin Lakes Baptist Church.

L. H. flagpole.

Santa Cruz L. H.

Flagpole on white house on East side of San Lorenzo River.

RRY

Staff on Holy Cross school.

Other details, not definite points are:-

The concrete arch bridge accross the San Lorenzo.

The old wooden bridge accross the same river.

The city reservoir.

A great many eucalyptus trees are planted in and around Santa Cruz. The row back of the L. H. cuts off the ~~road~~^{river} toward Loma Prieta and the Azimnuth Station. Loma Prieta is visible from the Magnetic Station.

The Casino is lighted up during the summer season as are the roller coaster and the board walk near it.

West and North of Santa Cruz the country is grazing land for the most part, the surface soil has washed from the rock on the steep slopes of the terraces. The buildings shown are behind railroad fills, in gulches ^{to} protect them from the strong Northerly winds. There are very few trees within the area embraced by the sheet, those are ^{mainly} in the bottoms of the gulches.

Wharves at Santa Cruz.

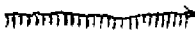
The Westernmost wharf is owned by the S. P. R. R., and is used by fishing launches; it is kept in good condition. There is said to be fourteen feet of water at the end at low water.

The Casino wharf is not a very substantial structure and is not used by boats.

The old ~~like~~^{line} wharf, shown in red ink on the original sheet, ~~it~~ is in ruins; two of the old piling at its outer end are visible at all atages of tide.

The mooring buoys shown are small and are used only to moor launches during the summer months; these boats are hoisted at the wharf during the winter.

New Contouring:- Contouring was completed to mouth of San Lorenzo River gulch.

Bluffs:- are vertical on this sheet, shown thus  top line of bluff.

New Stations;- Soquel Pt.2,

Wave motor tower, Casino Dome.

Statute miles of roads,----- 6 not including streets.

" " " R.R. ----- 17 " " R.R., in Streets.

Shoreline, ----- 4 3/4 miles.

Area, sq. miles, ----- 9

Respectfully submitted

C. M. Cade

Asst. Comd. G. Survey.

Latitudes and Longitudes of definite points.

| | | |
|----------------------------|------------------------------|-------------------------------|
| Middle Stack (of 3.) ----- | 36 ° 57 ' 631 ^{ft.} | 122 ° 03 ' 812 ^{ft.} |
| Tabernacle Cupola. ----- | 36 57 1070 | 122 02 369 |
| ✓ Vue de Leau. ----- | 36 57 343 | 122 02 274 |
| L. H. Flag Pole. ----- | 36 57 220 | 122 01 882 |
| High School Cupola. ----- | 36 58 600 | 122 01 1447 |
| Sea Beach Hotel Cupola. -- | 36 57 1526 | 122 01 470 |
| Catholic Church Spire --- | 36 58 1366 | 122 01 1116 |
| Holy Cross School(+) Stf.- | 36 58 1226 | 122 01 1028 |
| School House Cupola. ----- | 36 58 1137 | 122 01 23 |
| Church Spire, Twin Lakes.- | 36 57 1609 | 121 59 1262 |