



2012

(TOPOGRAPHY)
DESCRIPTIVE REPORT
TO ACCOMPANY
ORIGINAL FIELD SHEET
ENTITLED
RESURVEY (Tape No. 2012)
VICINITY OF ENTRANCE TO
SAN DIEGO BAY.
CALIFORNIA
1889
Scale 10,000

GEOGRAPHIC LOCALITY,

Latitude $32^{\circ} 38' N$ $32^{\circ} 44'$

Longitude $117^{\circ} 14'$

Wm. A. Rodgers
Assistant



2012

Description Report to accompany Original
P.O. Sheet, entitled

Hydrographic Survey of Entrance to
San Diego Bay, California
1889 Scale 1/10,000

Locality The locality is expressed on the above title, the limits of the Sheet expressed geographically are between latitudes $32^{\circ}38'$ & $32^{\circ}44'$. The Central meridian of the Sheet is $117^{\circ}14'$

Climate This topic referred to Description Report accompanying Sheet on file on the Office Coast & geodetic Surv. entitled Topography, Pacific Coast, in Vicinity of Oceanside, San Diego County, California 1887-8, Scale 1/10,000 (forwarded May 7th 1889) & will hereafter be referred to as "Oceanside & Vicinity"

Rainfall

See Topographic Sheet above mentioned as "Oceanside & Vicinity"

Winds Refer to P.D. Chart.
"Oceauside & Vicinity"

Barometric Range
Refer to "Oceauside & Vicinity"

Topographic detail

The Ot-Dumy Can Digs Entrance contains no topographic detail, beyond an outline of the Chons; the interior topography having been surveyed in the years 1851 & 2; but slight changes have taken place in the Chon line since the date of the first survey. A loma is rock-bound & erosion gives place even along its Western face exposed to the Ocean and Ballast Point projecting boldly into the Channel at the Entrance to the Bay, remains apparently unchanged in character or outline, formed of heavy Chingle or Green Cobble. The opposite Chon of the Entrance is a Sand Spit now entirely at rest & gets from the general absence of violent storms now changing much.

Hydrographic detail & (Continued)

At the date the Sheet, of Re-survey was completed, the new location of a Light House upon the extreme of Point Loma had been decided upon & the site selected was pointed out as indicated by an excavation for foundation of the new building & this point was determined by Plane Table & is shown upon the Sheet.

The site at Ballast Point for a new light was not known, to have been definitely located at the time the Sheet was finished & is not shown upon the Sheet.

Character of Soil

This topic may for general information be well referred to the "Oceanside" Sheet. Depth of Shore, Coast line formation, Lines of Breakers &c have I must assume been better described by Hydrographic Parties than can be by me, with present information.

The local shores of Point Loma, rising abruptly from the Ocean to elevation of 400 feet

within less than half a mile from the beach flanked by an unbroken Kelp bed, about one mile off shore & half a mile in width are characteristic features of the Northern Side of the Entrance to San Diego Bay. The shores South of the Entrance are sandy & flat. The greatest elevation for several miles South of the Entrance not being over 30 feet above tide, so that the interior shores & waters of the Bay & the wharves & houses of San Diego, now a City of 30 or 35000 inhabitants could be readily discerned from the look-out in the tops of a ship cruising along the shores of the Pensinsula which divides the Bay of San Diego from the Ocean.

Black formation

Characteristic & fully described in the Obs. Chart "Oceanside & vicinity"

Travelling dunes

Now shown upon the Chart of the Survey

Shingle levees. The formation at Ballast

5
Point comes under this head, but has
been fully described in a former & separate
paper, in few words my impression is that
Ballast Point as a single lower became
such by the action of Pt Loma. The
high elevation of which once extended to the
northern extremity of Ballast Point, the
 softer clayey materials were eroded away
leaving Ballast Point in its apparently
immobile condition; at some date prior
to this, the shore from northern extremity of
Ballast Point to the point upon which
the "U.S. City & Tide Bench mark" is located, was
a comparatively straight line, and as this
line became more & more curved by the
action of the bay current, the shore
land & spit worked northward and
projected deep into the entrance. The
deepening of the corner inside of Point Ballast
produces two effects - one the formation of
the middle ground shoal, immediately in
the main channel way inside of Ballast
Point & the other the cutting of the blind

Channel Close to the Beach, through the
 Channel of Zuniya Shoal.

This Channel has been a
 Cause of Disturbance to Officers of the Engi-
 neers U.S.A. & it has been proposed to
 Close it by a Stone Jetty.

Reopen of Coast Line

I have no information upon
 this point beyond that contained in foregoing
 remarks.

Woods & River Beds &

The Stream known as San Diego
 River formerly emptied into San Diego Bay
 four miles from Ballast Point, but its
 waters have been diverted into Calce
 Bay. The indentation northward of
 Point Loma. Note - The Stone Dyke
 built by the Engineers to Control the water
 of San Diego River was surveyed in 1887
 & the results forwarded to Washington, but
 it has not been shown upon the latest
 publications I have seen of San Diego Bay.
 It is a characteristic feature of the

Locality & Shores as shown upon the Chart.

Salt Marsh Land

There is a small area of Salt Marsh Land south of the extreme northern end of the San Diego Entrance Canal Spit, its area is insignificant & controlled in extent by its situation.

Natural Vegetation

Plants & fruits referred to Cap. Check
Oceanside & vicinity.

Settlements

The only settlement, if that means a collection of habitations, is at what was formerly known as "La Playa", and this consists of Oshumner's hut, principally occupied by Chinese & Italians.

All the buildings in vicinity of the Entrance & at Ballast Point, are upon the U.S. Military reserve & belong to the U.S.

There is a Saw factory at Roseville, established upon the Chart, to which the disencumbered was formerly.

Rail Roads

Now at present within the limits of the Chuk, a Steam Motor Rail road, to connect Rosville toward Jany, with "Ocean Beach", a boom settlement north of Pt Loma, has been graded & iron rails laid upon the route.

Wagon roads

Wagon roads connecting Pt Loma Light House, with Old San Diego & the present City of San Diego are shown upon the Chuk. They are mostly natural grades & beds & owing to character of soil & climate fair in all weather.

Wharves & Bridges

The only wharf is at Rosville & from this a Charn Jany boat makes daily trips to San Diego. No bridges to mention.

Elevation &c

Refer to topographic detail by
Albion H. Harrison 1851 & 2

Respectfully Submitted

Ally C. Dodge & Assistant