

LEGEND

SURFICIAL ROCKS
(Areas of Surficial rocks are shown by patterns of dots and circles.)

Recent
Alhuvium and stream gravel
Terrace deposits and dune sand

SEDIMENTARY ROCKS
(Areas of Sedimentary rocks are shown by patterns of parallel lines.)

Pliocene
Paso Robles formation
(conglomerate and sandy and silty clays of fresh-water origin.)

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Miocene? (San Pablo)
Pismo formation
(sandstone and cherty diatomaceous shale.)
Santa Margarita formation
(soft sandstone and conglomerate, with sand of diatomaceous earth, and volcanic ash.)

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Miocene
Monterey shale
(clay shale, sandstone and siliceous and bituminous shales.)
Vaquero sandstone
(sandstone and conglomerate.)

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Chico
Atascadero formation
(sandstone with some conglomerate and shale.)
Toro formation
(dark shale and thin bedded sandstone.)

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Jurassic? (Franciscan)
San Luis formation
(sandstone, conglomerate, shale and thin bedded sandstone, with some amphibole schist.)
Jasper lentils in San Luis formation
(variegated jasper and chert composed largely of radiolarium remains.)

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NEOGENE
JURASSIC?
CRETACEOUS

IGNEOUS ROCKS
(Areas of igneous rocks are shown by patterns of triangles and rhombs.)

Miocene (Pre-San Pablo)
Andesite
(intrusive sheets and dikes.)
Olivine-diabase
(dikes and sheets.)
Quartz-basalt and rhyolite
(dikes and sheets.)
Rhyolite tuff
(interstratified with the Monterey shale.)
Pyroxene-andesite
(dikes.)
Serpentine and associated basic rocks
(intrusive masses and dikes of serpentine, peridotite, pyroxenite, norite, and gabbro.)
Cuesta diabase
(intrusive masses and sheets.)
Andesite-granophyre
(volcanic rocks, intrusive masses, and dikes.)
Dacite-granophyre
(volcanic rocks, intrusive masses, and dikes.)

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Pre-Chico

CRETACEOUS

Legend is continued on the left margin.

LEGEND

IGNEOUS ROCKS
(continued.)

Jurassic? (Post-Franciscan)
Osos basalt
(surface flows.)
Diabase and other basic rocks
(intrusive dikes, sheets, dykes, and peridotite.)
Granite
(plutonic basement rocks.)

PRE-JURASSIC

Plutonic rocks are not clearly defined in the field, and therefore are not shown on the map.

Sections

A B C D E F

1 2 3 4 5 6

7 8 9 10 11 12

13 14 15 16 17 18

19 20 21 22 23 24

25 26 27 28 29 30

31 32 33 34 35 36

37 38 39 40 41 42

43 44 45 46 47 48

49 50 51 52 53 54

55 56 57 58 59 60

61 62 63 64 65 66

67 68 69 70 71 72

73 74 75 76 77 78

79 80 81 82 83 84

85 86 87 88 89 90

91 92 93 94 95 96

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Henry Gannett, Chief Topographer.
R. U. Goode, Geographer in charge.
Triangulation by U.S. Coast and Geodetic Survey.
Topography by L. C. Fletcher and U.S. Coast and Geodetic Survey.
Surveyed in 1895.

Scale 1:50,000
Miles
Kilometers

Contour interval 100 feet.
Datum is mean sea level.
Edition of Aug. 1903.

DIAGRAM OF TOWNSHIP
6 5 4 3 2 1
7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 23 24
25 26 27 28 29 30
31 32 33 34 35 36

Geology by Harold W. Fairbanks.
Surveyed in 1897, 98 and 99.