

DEGREE QUADRANGLE 33°-34°, 117°-118°

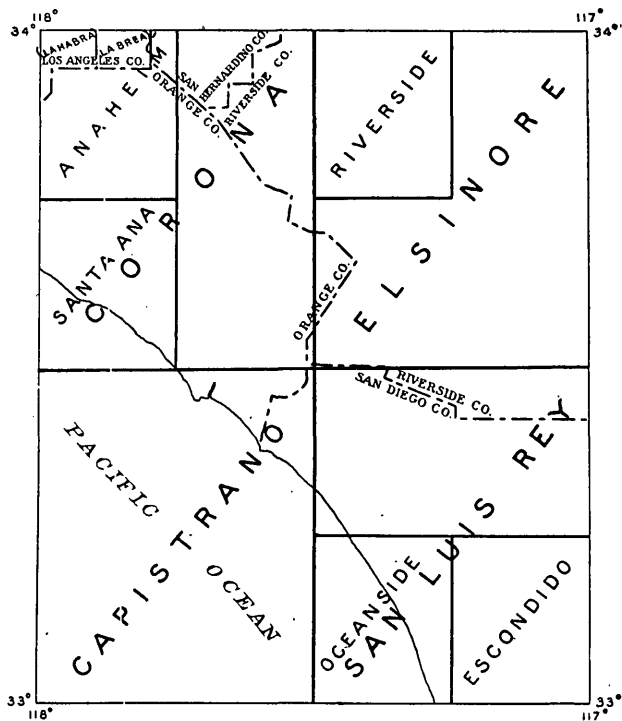


FIGURE 8.—Diagram of degree quadrangle 33°-34°, 117°-118°

ANAHEIM QUADRANGLE

[Latitude 33° 45'-34° ; longitude 117° 45'-118°]

ORANGE AND LOS ANGELES COUNTIES

Precise leveling by the U. S. Coast and Geodetic Survey in 1920

From Downey quadrangle southeast along Southern Pacific R. R. across southwest part of quadrangle to Santa Ana

	Feet
U-33, Buena Park, 150 feet northeast of station, at southwest corner of new building occupied by drug store, in concrete sidewalk ; Geological Survey bronze tablet stamped "76 1914 64"-----	75.672
V-33, Buena Park, 0.4 mile southeast of, on west side of track, in top face of concrete railway culvert 504F ; red-metal disk-----	79.071
W-33, milepost 508, opposite, in top face of concrete culvert 507D, west of track ; red-metal disk-----	127.040

	Feet
X-33, West Anaheim station, opposite and about 200 feet south of, immediately north of large water tank, in concrete pier of old destroyer tank, the top end of old broken bolt set in concrete pier protruding half an inch out of concrete, pier projecting 1 foot out of ground-----	138. 464
Y-33, Anaheim, at Municipal Waterworks, about 150 meters south of station, on Los Angeles Street, in north concrete pier of large concrete water tank, 4 feet above ground; Geological Survey bronze tablet stamped "158 1914 65"-----	158. 520
Z-33, Anaheim, at Carnegie Free Public Library, northwest corner of Los Angeles Street and Broadway, on top face of concrete lamp-post at right-hand side of main entrance, about 4 feet above ground; red-metal disk-----	160. 443
A-34, Anaheim, 1.4 miles south of, on the Southern Pacific R. R. line to Santa Ana, set in top face of concrete culvert 511A, west of track; red-metal disk-----	157. 949
B-34, near Anaheim, at Orange County Farm, immediately in front of main entrance to County Farm Hospital, in front edge of concrete curb, $\frac{1}{2}$ foot above roadway; red-metal disk-----	134. 691
C-34, Santa Ana, near north edge of town, at mileage 515.6, on the west side of track, in top face of concrete culvert 515-I; red-metal disk-----	148. 054
F-1, Santa Ana, on north side of Chestnut Street, between Southern Pacific R. R. and Atchison, Topeka & Santa Fe Ry., on top of hydrant; largest point of star-----	124. 659
City, Santa Ana, on northeast corner of Third and Garfield streets, in center of a cement block; copper wire-----	128. 166
G-1, Santa Ana, at northwest corner of city hall, in water table facing Third Street, 1.25 meters above walk; red-metal disk-----	124. 288
H-1, Santa Ana, at main entrance to courthouse, on southeast corner of east granite balustrade, 1 meter above walk; square-----	133. 409

Precise leveling by L. F. Biggs in 1914

From Buena Park southeast along Southern Pacific R. R. to Anaheim, thence south along Atchison, Topeka & Santa Fe Ry. to Orange

Buena Park, 150 feet northeast of depot, at southwest corner of new post-office building, in concrete sidewalk; bronze tablet stamped "76 1914 64"-----	75. 672
Almon, 0.2 mile southeast of, on north end of concrete culvert 505-B; chiseled cross, marked "U.S.B.M."-----	93. 28
Brookhurst, 60 feet south of station, in base of road-crossing sign-board; spike, scribed "U.S.B.M."-----	120. 16
Brookhurst, 0.9 mile southeast of, on north end of concrete culvert 507-D; chiseled cross, marked "U.S.B.M."-----	127. 04
West Anaheim, 150 feet southeast of station, on concrete foundation of railroad water tank; chiseled cross, marked "U.S.B.M."-----	138. 27
Anaheim, 0.8 mile south of, northeast corner of concrete culvert 159-E, at irrigation ditch; chiseled circle, marked "U.S.B.M."-----	163. 77
Anaheim Tower, 0.3 mile northwest of, on base of signal semaphore; chiseled circle, marked "U.S.B.M."-----	157. 25
Orange, 2 miles northwest of, northeast corner of Atchison, Topeka & Santa Fe Ry. bridge 171-B over Santa Ana River; chiseled cross, marked "U.S.B.M."-----	163. 93

	Feet
Orange, in Orange High School, at north side of main entrance, in vertical surface of concrete water table, one-third of a meter above balustrade; U. S. Coast and Geodetic Survey b.m. tablet (U.S.C. & G.S. b.m. J-1) -----	197.654
Orange, in center of west side of plaza, 5 meters east of west fence; iron pipe set in cement (U.S.C. & G.S. post b.m. I-1) -----	187.178

## CAPISTRANO QUADRANGLE

[Latitude 33°-33° 30'; longitude 117° 30'-118°]

## ORANGE AND SAN DIEGO COUNTIES

Precise leveling by the U. S. Coast and Geodetic Survey in 1906

Northwest along Atchison, Topeka &amp; Santa Fe Ry.

	Feet
V, four-tenths of a mile west of San Onofre, about 150 meters west of the county-road crossing, on the north side of the county road, one-third of a meter south of the Atchison, Topeka & Santa Fe right of way; stone post with hole, same as "M," San Luis Rey quadrangle -----	10.072
W, one-third of a mile northwest of Mateo, about 75 meters east of the Atchison, Topeka & Santa Fe Ry., 3 meters north of the county road and 4 meters west of the bridge, near the corner of a fence; iron pipe, same as "L" -----	15.213
X, two-thirds of a mile north of Serra, opposite the second telegraph pole southwest of milepost 199, half a meter southeast of the Atchison, Topeka & Santa Fe right of way, in corner of a fence, at foot of a hill; iron pipe, same as "L" -----	41.355
Y, San Juan Capistrano, northeast of the Capistrano mission, in the southwest corner of the public-school grounds; post -----	120.875

Primary leveling by C. C. Ward in 1899

From Capistrano southeast along Southern California R. R. to La Flores

Capistrano, in northwest corner of flower plot south of station and east of track; iron post stamped "103 S B" (recovered by U. S. Coast and Geodetic Survey) -----	104.032
San Onofre siding, 20 feet front from section bunk house, in yard; iron post stamped "28 S B" (recovered by U. S. Coast and Geodetic Survey) -----	28.757
Don (formerly Jerome), 2.4 miles northwest of, 50 feet east of track, in fence corner on south side of cattle crossing; iron post stamped "165 S B" (recovered by U. S. Coast and Geodetic Survey) -----	165.764

## CORONA QUADRANGLE

[Latitude 33° 30'-34°; longitude 117° 30'-118°]

## ORANGE, RIVERSIDE, LOS ANGELES, AND SAN BERNARDINO COUNTIES

Precise leveling by the U. S. Coast and Geodetic Survey in 1906

Northwest along Atchison, Topeka &amp; Santa Fe Ry.

	Feet
Z, San Juan Capistrano, 0.25 mile north of the Atchison, Topeka & Santa Fe Ry. station, on the right of way, about 100 meters north of milepost 197, at the east end of a large concrete culvert, on the horizontal surface of the coping, one third of a meter from north end; Coast Survey b. m. tablet -----	115.856

	Feet
A <sub>1</sub> , about 4½ miles south of El Toro, on the Atchison, Topeka & Santa Fe Ry. right of way, 1 telegraph pole north of road crossing, at west end of concrete culvert A 193, at center of horizontal surface of coping; a square 1 inch on each side, marked "U. S."-----	280. 107.
B <sub>1</sub> , about 1½ miles southeast of Irvine, opposite half-mile pole 194½, at the corner of the public road, one third of a meter north of the Atchison, Topeka & Santa Fe Ry. right of way; stone post with hole, same as "M" San Luis Rey quadrangle-----	258. 221
C <sub>1</sub> , Irvine, 40 meters south of the Atchison, Topeka & Santa Fe Ry. station, in north corner of public-school grounds; stone post with hole, same as "M"-----	194. 052
D <sub>1</sub> , half a mile south of Aliso, on the public highway, at south-west corner of road crossing near milepost 178; iron pipe, same as "L"-----	81. 391
E <sub>1</sub> , Santa Ana, about 1½ miles southeast of Atchison, Topeka & Santa Fe Ry. station, 3½ telegraph poles west of milepost 177, at road crossing, on south side of track, in horizontal surface of irrigation culvert; copper bolt-----	105. 800
F <sub>1</sub> , Santa Ana, one-third of a mile south of the Atchison, Topeka & Santa Fe Ry. station, on north side of Chestnut Street, between the Southern Pacific Ry. and the Atchison, Topeka & Santa Fe Ry. on top of hydrant; highest point of star-----	123. 114
City, Santa Ana, northwest corner of Third and Garfield streets; in center of a cement block; copper wire-----	128. 166
G <sub>1</sub> , Santa Ana, on northwest corner of the City Hall, in water table facing Third Street, 1.25 meters above the walk; Coast Survey b. m. tablet-----	124. 288
H <sub>1</sub> , Santa Ana, at the main entrance to the court-house, on southeast corner of east granite balustrade, 1 meter above the walk; 1-inch outlined square, unlettered-----	133. 484
I <sub>1</sub> , Orange, in center of west side of plaza, 5 meters east of west fence; iron pipe, set in cement, same as "L"-----	187. 178
J <sub>1</sub> , Orange, in the Orange Union High School Building, at north side of main entrance, in vertical surface of concrete water table, one-third of a meter above the balustrade; Coast Survey b. m. tablet-----	197. 654
K <sub>1</sub> , about 1½ miles north of Orange, about 45 meters north of milepost 46, in southeast corner of road crossing, on land of N. T. Edwards; stone post with hole, same as "M"-----	188. 622
L <sub>1</sub> , Olive, about 225 meters northeast of Atchison, Topeka & Santa Fe Ry. station, in public-school grounds, in the angle formed by west side of front entrance and the main building, set in gravel; iron pipe, same as "L"-----	274. 334
M <sub>1</sub> , about seven-eighths of a mile north of Olive, on the Atchison, Topeka & Santa Fe Ry. right of way, about 165 meters south of milepost 43, at the northeast corner of the plate-girder bridge A 44, on the northeast corner of the steel base, about two-thirds of a meter below the rail; 1-inch outlined square in iron, unlettered-----	241. 236
N <sub>1</sub> , Richfield, about 40 meters north of railroad station, in northwest corner of highway junction, in range with telephone poles; stone post with hole, same as "M"-----	246. 532

	Feet
O <sub>1</sub> , Horse Shoe Bend, 1½ telegraph poles southwest of signboard "Horse Shoe Bend," at the road crossing, 8 meters south of small highway bridge, on sloping surface of concrete coping; Coast Survey b. m. tablet.....	381. 968
P <sub>1</sub> , about 1½ miles west of Gypsum, on the Atchison, Topeka & Santa Fe right of way, at north end of county culvert C 35, on horizontal surface of coping, one-third of a meter from east end; copper bolt, lettered "U. S.".....	402. 112
Q <sub>1</sub> , about 1 mile southwest of Crary, on the Atchison, Topeka & Santa Fe Ry. right of way, 23 meters south of milepost 29, 14 meters west of track, on north slope of small knoll; iron pipe, same as "L".....	470. 167
R <sub>1</sub> , about two-thirds of a mile northeast of Crary, on the Atchison, Topeka & Santa Fe Ry. right of way, at northwest corner of road crossing; stone post with hole, same as "M".....	507. 332
S <sub>1</sub> , Corona, directly south of Atchison, Topeka & Santa Fe Ry. station, in center of triangular park belonging to the railroad company; iron pipe, same as "L".....	606. 482
T <sub>1</sub> , Corona, on west side of Main Street, in the northeast corner of Masonic Block, half a meter from the east face and 1½ meters above the walk; copper bolt.....	685. 688
City, Corona, at northwest corner of Main and Sixth streets, 2 meters northeast of main entrance to Citizens' Bank; a metal plug set in the cement walk, corresponds to 171.20 feet, city datum.....	673. 991
U <sub>1</sub> , within the city limits, Riverside, 1 telegraph pole southwest of signboard "Alvord," in easterly corner of road crossing, on land owned by J. T. Harmer; iron pipe, same as "L".....	669. 579

## STANDARD BENCH MARKS BY THE UNITED STATES GEOLOGICAL SURVEY

Primary leveling by C. C. Ward, Geo. H. Herrold, and C. R. Smith in 1899

From Magnolia Crossing southwest along Magnolia Avenue and northwest along highway to Rincon, thence southwest along road to Olive

May, 0.25 mile southwest of signboard (within city limits of Riverside), on Magnolia Avenue, 250 feet northeast of crossing, in line with center row of trees; iron post stamped "687" (recovered by U. S. Coast and Geodetic Survey).....	688. 010
Corona, at southwest corner of Buena Vista Avenue and Lemon Street (pipe line No. 2); iron post stamped "1049 S. B.".....	1, 052. 077
Crary (Rincon post office), on north side of street, at southeast corner of post office and store; iron post stamped "494 S. B." (recovered by U. S. Coast and Geodetic Survey).....	494. 769
Rincon, 7.3 miles west of, at head of grade where road finally leaves the sidehill slopes of Santa Ana Canyon, on north side of road; iron post stamped "402 S B".....	402. 786

From Olive southeast up Santiago Creek Road to Divide, thence southwest down Aliso Creek to El Toro

Olive, 7.7 miles southeast of, at northeast corner of fence of Orange County Park, 20 feet to the right of road; iron post stamped "610 S B".....	611. 081
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	Feet
Olive, 13.7 miles southeast of, where road to Silverado turns off to east up side of gulch, 8 feet west of main road; iron post stamped "977 S B"-----	978.396
Olive, 17 miles southeast of along Santiago Creek, where Santiago Canyon road to El Toro begins to climb sidehill to cross divide into Aliso Canyon; iron post stamped "1271 S B"-----	1,271.623
Aliso schoolhouse, about 45 feet from, in northwest corner of yard; iron post stamped "1041 S B"-----	1,041.958

From El Toro south along Southern California R. R. to Capistrano

El Toro schoolhouse, 2 feet from front of, in angle formed by porch and building; iron post stamped "444 S B" (recovered by U. S. Coast and Geodetic Survey)-----	445.016
El Toro, 4.33 miles south of, 40 feet east of track, at road crossing, in fence corner; iron post stamped "278 S B"-----	279.243

From Temescal northwest along road to Corona

Rugby district school, north side of sec. 21, T. 4 S., R. 6 W., north-east corner of grounds; iron post stamped "897"-----	898.220
Corona, southeast angle of, Porphyry quarry and Corona road; iron post stamped "903"-----	904.297

From Rincon north along road to Del Chino, thence east to La Sierra ranch, thence south to Corona

Chino rancho, where Central Avenue crosses road running east and west, in northwest angle of road, 1.5 miles south of Southern Pacific station at Chino; iron post stamped "633 S B"-----	633.681
Chino rancho, at southeast corner of boundary; iron post stamped "602 S B"-----	603.469
La Sierra rancho (Sepulveda), 1 mile south of Cooks Ford, east side of road from Corona; iron post stamped "683 S B"-----	684.283

From Esperanza siding northerly via wagon road to San Juan triangulation station

San Juan triangulation station, in top of stone and cement monument; aluminum tablet stamped "1780 S B"-----	1,781.174
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From Capistrano northeast up San Juan Canyon

Capistrano, 2 miles east of, 320 feet east of southwest corner sec. 32, T. 7 S., R. 7 W., north side of road; iron post stamped "149 S B"---	150.008
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ELSINORE QUADRANGLE

[Latitude 33° 30'-34°; longitude 117°-117° 30']

RIVERSIDE AND ORANGE COUNTIES

Checked primary leveling by R. A. Farmer in 1902

Southeast along Southern Pacific R. R. in northeast part of quadrangle

	Feet
San Timoteo district school, northwest corner of grounds; iron post stamped "1910 S B"-----	1,911.487
T. 3 S., between R's, 2 and 1 W., north side of county road; iron post stamped "2297 S B"-----	2,298.085

## Primary leveling by George H. Herrold in 1897-98

From Riverside southwest along Southern California R. R. to Magnolia Avenue crossing

	Feet
Riverside, in alcove on right of main entrance to Loring Opera House, 4 feet above sidewalk, bronze tablet stamped "851" (recovered by U. S. Coast and Geodetic Survey)-----	851. 842
Riverside, in alcove on right of main entrance to Loring Opera House, 1 foot above sidewalk, official city bench mark (elevation of which by city datum is 848.777) ; copper bolt-----	848. 913
Olivewood Cemetery, at canal crossing, 0.5 mile north of Pachapa siding; iron post stamped "863" (recovered by U. S. Coast and Geodetic Survey)-----	863. 650
Casa Blanca, in southeast concrete foundation pier of station platform, 1 foot underground, protected by covered tin cylinder 4 inches high; copper bolt stamped "861" (recovered by U. S. Coast and Geodetic Survey)-----	861. 980
Arlington, center of Southern California R. R. station park; iron post stamped "814" (recovered by U. S. Coast and Geodetic Survey)-----	815. 500

From Riverside east to Box Springs, thence north to High Grove

Riverside, Gage Canal at Eighth Street, in concrete bulkhead north of bridge; copper bolt stamped "1019"-----	1, 020. 081
Box Springs station, near crossing of Box Springs road and railroad, 65 feet west of track, 30 feet west of road; iron post stamped "1539"-----	1, 540. 324

From Box Springs south along Southern California R. R. to Valverde

Valverde, east wall of brick warehouse, 4.5 feet above ground; copper bolt stamped "1509"-----	1, 510. 130
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At Temescal

Temescal, southwest corner of district-school grounds; iron post stamped "1114"-----	1, 114. 692
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From Arlington southeast to El Sobrante, thence east to point near Valverde

Mocking Bird Canyon, south of boulder dam (natural), on Hogback, 50 feet south of road; iron post stamped "1219"-----	1, 219. 796
El Sobrante, 75 feet northeast of crossing of Gavilan mine and tin-mine roads; iron post stamped "1447"-----	1, 448. 083
North Mount Glen, center of sec. 10, T. 4 S., R. 4 W., in northwest corner of school grounds and at southeast corner of crossing of Elsinore and Corona roads; iron post stamped "1651"-----	1, 652. 307

From Valverde along Southern California R. R. to Perris, thence southwest to Elsinore

Perris, Santa Fe station, south wall of brick corridor; bronze tablet stamped "1456"-----	1, 456. 897
Canyon siding, 4.5 miles south of Perris, 30 feet north of road where it leaves canyon and crosses over hills to west; iron post stamped "1399"-----	1, 400. 060
Menifee road, east of bridge over San Jacinto River and east of railroad track on south side of road; iron post stamped "1318" (destroyed)-----	1, 318. 940

	Feet
Elsinore, Consolidated Bank Building, in brickwork on right side of corner entrance; bronze tablet stamped "1305"-----	1, 305. 953
<b>From Elsinore northwest along Southern California R. R. and highway to Temescal</b>	
Terra Cotta, 1 mile east of, east of road forks, 3.5 miles northwest of Elsinore; iron post stamped "1258"-----	1, 258. 546
T. 5 S., R. 5 W., sec. 7, 3 feet east of quarter-section post of secs. 7 and 12, north of Temescal road; iron post stamped "1142"-----	1, 143. 344
<b>From point near Valverde east to Perris Indian School</b>	
Perris Indian School, east side of sec. 7, T. 4 S., R. 3 E., in brick balcony at south side of steps at southwest entrance to main building; copper bolt stamped "1456"-----	1, 457. 373
<b>From Box Springs east along road to Moreno, thence south to Lakeview, thence southwest along Southern California R. R. to Perris</b>	
Box Springs, north of siding, 65 feet west of Southern California R. R. track and 30 feet west of road, at crossing of Box Springs road and railroad; iron post stamped "1539"-----	1, 540. 264
Alessandro Boulevard and Heacock Street, at northeast corner of street, T. 3 S., between Rs. 3 and 4 W.; iron post stamped "1565"-----	1, 565. 652
Moreno, in front wall of brick store, southeast corner of streets; bronze tablet stamped "1600"-----	1, 600. 796
Lake Bottom road, 50 feet west of, in granite boulder 2 feet high, 12 by 5 feet, at east point of hill 3 miles north of Lakeview; copper bolt stamped "1430"-----	1, 430. 970
Lakeview, public-school grounds, northeast angle of lawn; iron post stamped "1468"-----	1, 470. 023
<b>From Lakeview southeast along road to Casa Loma</b>	
Casa Loma ranch, at northeast fence corner, San Jacinto road and line between Rs. 1 and 2 W., T. 4 S.; iron post stamped "1466"-----	1, 466. 794
<b>From Perris southeast along Southern California R. R. (San Jacinto division) to Winchester, thence northeast along same to Hemet</b>	
Benedict School, northeast corner of grounds and northeast corner of sec. 24, T. 5 S., R. 3 W., iron post stamped "1500"-----	1, 500. 636
Winchester, east of front entrance of public-school building; bronze tablet stamped "1470"-----	1, 470. 8
Egan siding, 1 mile southwest of, on line between Rs. 1 and 2 W., T. 5 S., north line of right of way; iron post stamped "1502"-----	1, 503. 449
<b>From Elsinore southeast along Southern California R. R. to Temecula</b>	
Wildomar, corner Main Street and Murrieta road, in angle of L-shaped schoolhouse grounds; iron post stamped "1254"-----	1, 254. 933
Murrieta, in southwest corner of public-school grounds; iron post stamped "1092"-----	1, 093. 166
<b>From Temecula north along road to Winchester</b>	
T. 7 S., R. 3 W., near range line east of sec. 13, top of grade; iron post stamped "1309"-----	1, 309. 786
Alamos district-school grounds, east side sec. 5, T. 7 S., R. 2 W., 35 feet east of building; iron post stamped "1375"-----	1, 376. 207



	Feet
T. 6 S., R. 2 W., sec. 28, 335 feet north of bridge; iron post stamped "1419"-----	1, 419. 710
T. 6 S., R. 2 W., northwest corner sec. 10, Domenigoni Valley, 2.5 miles south of Winchester, at southeast corner of fence, at road to Hemet; iron post stamped "1458"-----	1, 458. 654

Precise leveling by the U. S. Coast and Geodetic Survey in 1906

Northeast along Atchison, Topeka & Santa Fe Ry.

V <sub>1</sub> , within the city limits, Riverside, about 2.75 miles southwest of Arlington, at milepost 19, at southernmost corner of road crossing, 1 meter northwest of telegraph pole; stone post with hole, same as "M"-----	720. 583
W <sub>1</sub> , within the city limits, Riverside, half a mile northeast of Arlington, 4 telegraph poles northeast of milepost 16, in the northwest corner of road crossing on land owned by R. L. Carpenter; stone post, with hole, same as "M"-----	846. 320
X <sub>1</sub> , within the city limits, Riverside, about 1 mile southwest of Casa Blanca, on the Atchison, Topeka & Santa Fe Ry. right of way, 2½ telegraph poles northeast of milepost 15, on northwest side of northeast concrete abutment of trestle D 15, on the horizontal surface, at the angle; 1-inch outlined square, unlettered-----	847. 757
Y <sub>1</sub> , Riverside, on the north side of the county courthouse, 2 meters west of northeast corner, in the center of small projection, one-third of a meter above ground; copper bolt-----	848. 207
Z <sub>1</sub> , Riverside, at east side of main entrance to Carnegie Public Library, on horizontal surface of cement balustrade, one-third of a meter from building; Coast Survey b. m. tablet-----	857. 669

#### SAN LUIS REY QUADRANGLE

[Latitude 33°-33° 30'; longitude 117°-117° 30']

#### RIVERSIDE AND SAN DIEGO COUNTIES

Primary leveling by C. C. Ward in 1899 and by G. H. Herrold in 1898

From Temecula along road south via Rainbow to sec. 31, T. 10 S., R. 3 W.  
(double-rodged line)

	Feet
Temecula, in west foundation wall of schoolhouse; bronze tablet stamped "1019"-----	1, 019. 194
Temecula, 3.75 miles southeast of, east side of road, in north face of granite boulder 18 feet high and 12 feet broad; copper bolt stamped "U. S. G. S. 1155 Ft."-----	1, 155. 885
Rainbow post office, 1.5 miles north of, on west side of Temecula road, in south end of boulder 2.5 feet high, 15 feet long, and 5 feet wide, under a double oak tree in fence line; copper bolt stamped "U. S. G. S. 1164 Ft. B. M."-----	1, 164. 881
Rainbow, at northeast corner of Vallecitos schoolhouse grounds; iron post stamped "1044"-----	1, 044. 796
T. 10 S., R. 2 W., northwest corner, 200 feet south of oak tree, on west side of Rainbow-Bonsall road at junction with Palla road; iron post stamped "290"-----	290. 835
San Luis Rey River, north bank of, on north side of Bonsall-Palla road, in granite boulder; copper bolt stamped "U. S. G. S. 274 Ft. B. M."-----	274. 960

	Feet
Bonsall, in center of street north of post office, in top of boulder 12 feet in diameter, 6 feet high; copper bolt stamped "U. S. G. S. 172 Ft. B. M."-----	172. 921
Bonsall, 2.25 miles south of, at junction of Vista and Oceanside roads, near fence corner; iron post stamped "155"-----	155. 973
From spur 2 miles east of San Luis Rey north to southwest corner sec. 34, T. 10 S., R. 4 W.	
T. 10 S., R. 4 W., southwest corner of sec. 34, 24 feet northeast of forks of road; iron post stamped "112 T"-----	112. 814
From Temecula east up Temecula River to vicinity of Pauba grant	
Pauba ranch house, 0.25 mile south of, northeast of forks of road; iron post stamped "1090 T"-----	1, 090. 873
Temecula, 6.5 miles east of, at irrigating ditch and double-fork road, north of road; iron post stamped "1161 T"-----	1,161. 802
Temecula, 8.5 miles east of, southeast corner of private-road crossing, just west of dry wash of Temecula River; iron post stamped "1228 T"-----	1, 228. 875
From Monserate school east via Pala to vicinity of Pauma ranch	
Monserate schoolhouse, 2 feet south of, under window; iron post stamped "351 T"-----	351. 828
Pala, 10 feet south of southwest corner of mission; iron post stamped "411 T"-----	411. 774
Pala, 1.75 miles east of, at fork of road to Aqua Tibia ranch, northeast of road; iron post stamped "568 T"-----	569. 130
Pala, 3 miles east of, fork of road to Pala Mills, north of road; iron post stamped "557 T"-----	557. 829
Pauma ranch, southeast of fork of road to ranch house; iron post stamped "758 T"-----	758. 808
From spur south from Pala 2 miles	
Pala, 2 miles south of, northeast of forks of road; iron post stamped "481 T"-----	481. 899
From point near Outing southwest to Deluz, thence south to Deluz station	
Sandia Canyon, in forks of Linda Rosa and Fallbrook road and road to Deluz; iron post stamped "837 T"-----	837. 522
Deluz, 1.25 miles south of, 30 feet west of forks of road to schoolhouse (Deluz), in bed rock; copper bolt stamped "379 T"-----	380. 009
Deluz station, 12 feet northwest of switch south of; iron post stamped "146 T"-----	146. 925
From Rainbow west via Fallbrook to Deluz station	
Red Mountain ranch, just east of, northwest of forks of road; iron post stamped "1063 T"-----	1, 063. 760
Fallbrook, 50 feet north of schoolhouse, south side of Elder Street; iron post stamped "732 T"-----	732. 760

From Deluz station south along Southern California R. R. to Ysidora; thence west to Las Flores

	Feet
Santa Margarita ranch house, southwest corner of retaining wall around, in middle pin; bronze tablet stamped "87 T"-----	87.757
Ysidora, 40 feet east of track, north side of road at fence corner; iron post stamped "23 T"-----	23.679
Ysidora, 1.5 miles west of, north of road at summit; iron post stamped "411 T"-----	411.796
Las Flores, 10 feet southwest of water tank, east of track; iron post stamped "84 T (S. B.)" (recovered by U. S. Coast and Geodetic Survey)-----	84.822

From Las Flores northeast up Las Pulgas Canyon to Las Pulgas corral

Las Pulgas corral, 0.5 mile northeast of, east side of Las Flores Creek, on side of hill; iron post stamped "293 T"-----	293.752
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From Bonsall southeast to Moosa

Moosa, 15 feet southwest of house next east of post office; iron post stamped "458 T"-----	458.821
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From point near Bonsall south to Vista, thence southeast along Atchison, Topeka & Santa Fe Ry. and county road to Green Valley (double-rodged line)

Delphi, northwest corner of schoolhouse grounds; iron post stamped "491"-----	491.806
Vista, 50 feet northeast of Escondido branch railroad track, on southwest side of county road, in row of eucalyptus trees east of railroad crossing; iron post stamped "330"-----	330.870
San Marcos, close to schoolhouse, in angle of porch and front of building; iron post stamped "582"-----	582.826
Richland, in row of eucalyptus trees, at southern corner of school grounds, 50 feet northeast of track and 35 feet northwest of road center; iron post stamped "634"-----	634.920
Escondido, northeast corner of iron footplate of step at entrance to drug store, on lot 15, next to bank and post-office building, on Main Street; official city bench mark-----	654.661
Escondido, college building on hill, in north wall of main entrance to corridor in basement, 4 feet above ground; bronze tablet stamped "754"-----	754.948
Escondido, 2.5 miles south of, on San Diego road at junction; iron post stamped "530"-----	530.959
Bernardo post office, 625 feet north of Bernardo River bridge, on west side of county road; iron post stamped "319"-----	319.983
Green Valley, in sloping boulder 4 feet high, east of large boulder pile, west side of San Diego road and 80 feet north of bridge; copper bolt stamped "U. S. G. S. 482 ft. B.M."-----	482.976

From Bernardo northeast along River Road to San Pasqual

Glenella schoolhouse, 80 feet southwest of, in yard; iron post stamped "381 T"-----	381.763
San Pasqual schoolhouse, in yard at east side of gate; iron post stamped "366 T"-----	366.791

From Ysidora southeast to San Luis Rey, thence northeast to point near  
Bonsall

	Feet
San Luis Rey, northeast corner of schoolhouse grounds; iron post stamped "76 T"-----	76.579
Precise marks of the United States Coast and Geodetic Survey along the Atchison, Topeka & Santa Fe Ry. in 1906	
K, about 1.25 miles southeast of Encinitas, on the Atchison, Topeka & Santa Fe Ry. right of way, at southwest end of concrete culvert A 240, in center of horizontal surface of coping; copper bolt-----	72.782
L, Encinitas, 0.25 mile west of Atchison, Topeka & Santa Fe Ry. station, at Third and E streets in public-school grounds, in middle of front yard, about 35 meters east of schoolhouse; iron pipe, set in cement. (U. S. C. & G. S. b. m. post)-----	91.995
M, about 0.66 mile southeast of Carlsbad, 1 telegraph pole northwest of milepost 230, at east corner of road crossing, at intersection of Atchison, Topeka & Santa Fe Ry. right of way and cattle-yard fences; bottom of a hole 2.5 cm. square and about 4 mm. deep, cut in top of a stone post whose top is 6 inches square, projecting 6 inches above ground, and lettered "U. S. B. M"-----	44.216
N, Carlsbad, about 175 meters southwest of Atchison, Topeka & Santa Fe Ry. station, in the park owned by the Huntington Syndicate Co., at east corner of most northerly house, at south end of first concrete basement step; copper bolt-----	55.554
O, Oceanside, about 60 meters south of Atchison, Topeka & Santa Fe Ry. station, on railroad property, about 10 meters southwest of track, one-third of a meter outside of fence; stone post with hole, same as "M"-----	44.484
P, Oceanside, on south corner of First and Ditmar streets, in northeast side of First Methodist Episcopal Church, 0.66 meter from north corner and 1 meter above ground; copper bolt-----	83.875
Q, Oceanside, at west corner of Second and Hill streets, on step of side entrance to Bank of Oceanside Building; surface of an outlined square 1 inch on each side, unlettered-----	67.697
R, Oceanside, on northwest side of Third Street, between Tremont and Hill streets, in the brick store 2½ blocks northeast of the Atchison, Topeka & Santa Fe Ry.; Coast Survey b. m. tablet-----	64.505
S, about 0.66 mile southeast of Las Flores, on the Atchison, Topeka & Santa Fe Ry. right of way, 9½ telegraph poles southeast of milepost 219, 12 meters southwest of track; iron pipe set in clay--	75.029
T, about one-third of a mile southeast of Las Flores, on the Atchison, Topeka & Santa Fe Ry. right of way, 1½ telegraph poles southeast of milepost 219, at southwest end of concrete culvert A 220, in horizontal surface of coping, one-third of a meter from northwest corner, 3 meters below rail; copper bolt-----	58.402
U, Don, about 45 meters west of signboard "Don," between the Atchison, Topeka & Santa Fe Ry. right of way fence and first telephone pole northwest of warehouse; stone post with hole, same as "M"-----	136.824