

DEGREE QUADRANGLE $33^{\circ}-34^{\circ}$, $116^{\circ}-117^{\circ}$

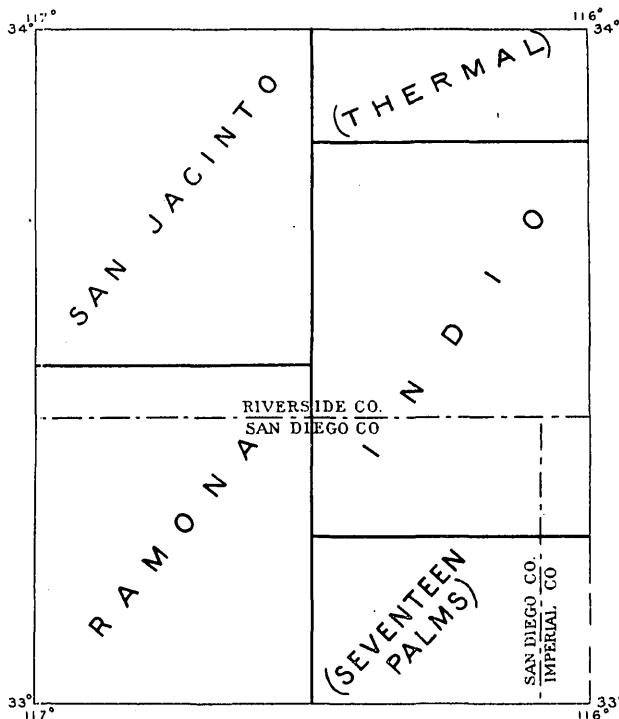


FIGURE 7.—Diagram of degree quadrangle $33^{\circ}-34^{\circ}$, $116^{\circ}-117^{\circ}$

INDIO SPECIAL QUADRANGLE

[Latitude $33^{\circ} 15'$ - $33^{\circ} 50'$; longitude $116^{\circ}-116^{\circ} 30'$]

IMPERIAL, RIVERSIDE, AND SAN DIEGO COUNTIES

Checked primary leveling by R. A. Farmer in 1902-3

From Rimlon southeast along Southern Pacific R. R. to Mortmere

	feet
Rimlon, 0.16 mile southeast of signboard at section house, 45 feet southwest of track, near milepost 596; iron post stamped "342 T" - Dry Camp, 45 feet southwest of track, 90 feet west of switch at northwest end of siding; iron post stamped "164 T" ----- Myoma siding, 100 feet west of, at west end of switch, 45 feet southwest of track; iron post stamped "70 T" -----	343.010
Indio, in southeast corner of school yard; iron post stamped "-15 T" -----	164.830
Woodspur, 50 feet southwest of track, at road crossing; iron post stamped "-66 T" -----	70.861
Thermal, 300 feet northwest of signboard, 45 feet southwest of track, 5 feet northwest of telegraph pole; iron post stamped "-121 T" -----	-14.145
	-65.344
	-120.087

¹ Elevations having the minus sign are below sea level.

	Feet
Walters, 27 feet northwest of station, in corner of yard; iron post stamped "—189 T"-----	2 —188. 341
Mortmere, 100 feet southeast of switch stand at west end of siding, 45 feet south of track, 4 feet south of wagon road, 4 feet west of telegraph pole; iron post stamped, "—248 T" (under water)-----	—247. 280
Primary leveling by C. C. Ward in 1901	
From Walters west via Martinez to Toro, thence north to Indio	
Walters, 27 feet northwest of station, in corner of yard; iron post stamped "—189 T"-----	—188. 341
Martinez Indian school, 50 feet southeast of, at northeast side of entrance to yard; iron post stamped "—135 T"-----	—134. 114
Toro Indian village, north side of, in northeast angle of intersection of road north to Indio with road east and west; iron post stamped "—111 T"-----	—110. 122
Indio, 4.7 miles south of, sec. 12, T. 6 S., R. 7 E., at south side quarter corner; iron post stamped "—62 T"-----	—61. 125
From Indio westerly via Whitewater River road to Palmdale	
Indian Well, 70 feet south of; iron post stamped "97 T"-----	97. 744
Indian Well, 3.9 miles northwest of, sec. 17, T. 5 S., R. 6 E., 6 feet south of road; iron post stamped "181 T"-----	181. 549
Indian Well, 7.12 miles northwest of, sec. 12, T. 5 S., R. 5 E., 7 feet north of road and 25 feet north of spur of mountain; iron post stamped "230 T"-----	230. 757
Palm Springs, 4.33 miles southeast of, sec. 29, T. 4 S., R. 5 E., 12 feet south of road, at point of mountain; iron post stamped "323 T"-----	323. 654
From Vandeventer east along trail and Martinez Canyon to Martinez	
Vandeventer, 4 miles northeast of, 3 feet north of north bank of sand wash, 165 feet southwest of point where trail to Martinez leaves wash, in face of white ledge 2.5 by 3 by 2.5 feet; bronze tablet stamped "3871 T"-----	3, 871. 854
Deep Canyon, 40 feet west of edge of west bluff, 15 feet north of trail, in top of granite boulder 4.5 by 5 by 3 feet; bronze tablet stamped "3492 T"-----	3, 492. 906
Summit of divide between Deep and Martinez canyons, on west slope of Martinez Mountain, 25 feet northeast of trail, in southeast face of granite boulder 4 by 5 by 6 feet; bronze tablet stamped "5168 T"-----	5, 168. 832
Agua Alta Spring, 235 feet southwest of, on northeast side of trail, 70 feet northwest of sand wash, on northwest side of granite boulder 3.5 by 5 by 6 feet; bronze tablet stamped "4282 T"-----	4, 282. 623
Martinez Canyon, south side of, opposite mouth of Tahquitz Canyon, 420 feet from foot of steep side of trail, in top of flat granite boulder 2 by 8 by 9 feet; bronze tablet stamped "2537 T"-----	2, 537. 378
Martinez Canyon, 270 feet below junction with Black Canyon, in face of granite cliff on south side of wash; bronze tablet stamped "1584 T"-----	1, 584. 808
Martinez Canyon, north side of, at mouth, 5 miles southwest of Martinez Indian school, in face of granite cliff, 4 feet above ground; bronze tablet stamped "655 T"-----	655. 841

² Elevations having the minus sign are below sea level.

From Walters south along road to south side of sec. 26, T. 9 S., R. 9 E.

	Feet
Alamo Bonito, south side of, near water hole, in triangle between roads; iron post stamped "—T"-----	—185. 201
Agua Dulce, at north end of Indian village, 300 feet south of spring and garden, in road forks; iron post stamped "—183 T"-----	—182. 286
Figtree John Spring, 140 feet southwest of reservoir at spring, 5 feet west of road, opposite fence corner; iron post stamped "—196 T"-----	—196. 250
Fish Springs, 1.12 miles south of, 6 feet east of road; iron post stamped "—238 T"-----	—232. 178
T. 9 S., R. 9 E., south side of sec. 26, 4.12 miles southeast of Fish Springs, 7 feet east of road; iron post stamped "—175 T"-----	—174. 116

At Seventeen Palms (south side of sec. 35, T. 10 S., R. 8 E.)

Seventeen Palms, 165 feet south of chimney, on west side of road; iron post stamped "410 T"-----	410. 828
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RAMONA QUADRANGLE

[Latitude $33^{\circ}-33^{\circ} 30'$; longitude $116^{\circ} 30'-117^{\circ}$]

RIVERSIDE AND SAN DIEGO COUNTIES

Primary leveling by C. C. Ward in 1900

At Wilson Valley

	Feet
T. 8 S., R. 1 E., about southwest corner sec. 2, in Wilson Valley, 4 feet east of lowest point of road; iron post stamped "2146"-----	2, 146. 866

From Pauba Grant southeast via Oak Grove to Warner ranch

Nigger Canyon, 1.75 miles southeast of, 10 feet south of road, at junction of Temecula-Warner road with road to north, 120 feet southwest of box elder tree; iron post stamped "1450 T"-----	1, 450. 683
Radec post office, 0.25 mile north of, at junction with road to San Jacinto; iron post stamped "1694 T"-----	1, 694. 668
Cienega schoolhouse, 2 feet south of fence and 3 feet east of front gate; iron post stamped "1988 T"-----	1, 988. 615
Cienega schoolhouse, 2.75 miles southeast of, in flat draw, 10 feet north of road; iron post stamped "2439 T"-----	2, 439. 679
Oak Grove schoolhouse, 50 feet south of, in yard, at east side of gate; iron post stamped "2751 T"-----	2, 751. 637
Oak Grove schoolhouse, 4 miles southeast of, sec. 35, T. 9 S., R. 2 E., about 400 feet west of quarter corner, 10 feet west of road on summit of divide between Temecula and San Luis Rey rivers, 3 feet east of fence corner; iron post stamped "3282 T"-----	3, 282. 746
Puerta Cruz, 0.5 mile northeast of, 25 feet south of road; iron post stamped "2916 T"-----	2, 916. 746
Warner's ranch, 0.5 mile northeast of Adobe Cabin corral, north side of Agua Caliente Creek bed, in southeast corner of intersection of road from ranch house to corral with Temecula-Julian road; iron post stamped "2772 T"-----	2, 772. 738

From Warner's ranch west via San Luis Rey Canyon and Potrero Indian Reservation to Pauma Grant

San Luis Rey Canyon, head of, 45 feet west of road, above foot of grade in first bend of Smith Mountain; iron post stamped "2724 T"-----	2, 724. 628
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^a Elevations having the minus sign are below sea level.

	Feet
Amago post office, 3.33 miles southeast of, at east side of trail in San Luis Rey Canyon, south side of creek, 100 feet west of junction of dry creek bed from south with San Luis Rey River, on west side of granite ledge; bronze tablet stamped "2404 T"-----	2,404.694
La Jolla, at southwest corner of, Indian reservation schoolhouse; iron post stamped "2719 T"-----	2,719.777
Sparkman's store, 45 feet northwest of, 2 feet northeast of stone fence on southwest side of road; iron post stamped "1016 T"-----	1,016.622
From Sparkman's store south via Rincon to T. 11 S., R. 1 W.	
Rincon schoolhouse, 1.87 miles south of, 0.5 mile south of San Luis Rey River crossing, at junction of road to Escondido with road up creek; iron post stamped "939 T"-----	939.583
From Adobe Cabin corral on Warner's ranch east to Agua Caliente, thence southeast to point 1 mile east of Warner schoolhouse, thence northwest to Adobe Cabin corral	
Agua Caliente schoolhouse, southwest corner of; iron post stamped "3165 T"-----	3,165.634
Warner schoolhouse, 3.25 miles north of, T. 10 S., R. 3 E., 150 feet east of road and 5 feet east of southwest corner of building; iron post stamped "3459 T"-----	3,459.682
Warner schoolhouse, 1 mile east of, 50 feet east of junction of old Fort Yuma road with road to east; iron post stamped "3240 T"-----	3,240.601
Warner ranch house, in forks of road at southwest corner of; iron post stamped "2894 T"-----	2,894.681
From head of San Luis Rey Canyon southeast to Santa Ysabel, thence west via Ramona to San Pasqual	
Mesa Grande road, 400 feet southwest of end of lane; iron post stamped "2719 T"-----	2,719.614
T. 11 S., R. 3 E., north side of sec. 32, Santa Ysabel ranch boundary line, 5 feet south of intersection with section line; iron post stamped "3015 T"-----	3,015.636
Balcon Canyon, in forks of road; iron post stamped "3123 T"-----	3,123.792
Santa Ysabel, 180 feet west of road junction and south side of road; iron post stamped "2983 T"-----	2,983.684
Santa Ysabel schoolhouse, in yard at north side of gate; iron post stamped "2764 T"-----	2,764.738
Ballena schoolhouse, 60 feet south of, in yard at east side of gate; iron post stamped "2470 T"-----	2,470.640
Mesa Grande, in forks of road; iron post stamped "1776 T"-----	1,776.729
Ramona town hall, east side of, 0.5 foot above step; aluminum tablet stamped "1440 T"-----	1,440.697
Pamo grade, 0.2 mile south of forks of road, west of road, in turn-table; iron post stamped "789 T"-----	789.624
East San Pasqual, 1 mile east of, 95 feet north of schoolhouse, in yard, 3 feet from fence at west side of gate; iron post stamped "410 T"-----	410.636
From junction of road 3 miles east of Ramona north to Spring Hill schoolhouse	
T. 12 S., R. 2 E., sec. 32, Spring Hill schoolhouse, 55 feet west of, in yard at south side of gate; iron post stamped "2340 T"-----	2,340.666

From San Ysabel east to Julian, thence north to Oberlin schoolhouse

	Feet
Wynola, at northeast corner of road intersection; iron post stamped "3654 T"	3,654.600
Julian, 1.75 miles west of, at southwest corner of junction of main road with private road to south; iron post stamped "3948 T"	3,948.690
Julian high-school building, in yard at north side of gate; iron post stamped "4219 T"	4,219.765
Oberlin schoolhouse, in yard at north side of gate; iron post stamped "4132 T"	4,132.471

SAN JACINTO QUADRANGLE

[Latitude 33° 30'-34° ; longitude 116° 30'-117°]

RIVERSIDE COUNTY

Checked primary leveling by R. A. Farmer in 1902

East along Southern Pacific R. R. from Beaumont to Palm Springs

	Feet
Beaumont, Gray's brick store and warehouse, in front wall at northwest corner; bronze tablet stamped "2575 S B"	2,576.109
Banning, opposite Hotel Banning, in east wall of Frayer brick block; bronze tablet stamped "2330 S B"	2,330.716
Cabezon, 7 feet east of southeast corner of section-house grounds, north of track, in corner of stone-bordered walk; iron post stamped "1791 S B"	1,791.779
T. 8 S., between R's. 2 and 3 E., east of road crossing, on north side of Southern Pacific Co.'s right of way; iron post stamped "1442 S B"	1,442.784
Whitewater siding, south of track, at northeast corner of section-house grounds; iron post stamped "1130 S B"	1,130.833
Palm Springs, 170 feet east of station, at east end of row of palm trees, 13 feet south of track; iron post stamped "685 T"	686.255
Palm Springs, 3.5 miles southeast of, 45 feet west of track, 4 feet northwest of milepost 592; iron post stamped "539 T"	540.253

Primary leveling by Geo. H. Herrold in 1897-8

From San Jacinto south along Southern California Ry. to Hemet¹

San Jacinto, north side of east entrance of public-school building; bronze tablet stamped "1562"	1,562.613
Hemet grammar school, in brick column on north side of steps; bronze tablet stamped "1591" (moved, 1915)	1,591.977

From Hemet southeast along road to Kenworthy

Vallevista, southwest corner of school grounds; iron post stamped "1765"	1,765.967
T. 5 S., R. 2 E., sec. 18, range line on west side of section, top of knoll 20 feet south of road and east of bridge; iron post stamped "2062"	2,062.871
T. 5 S., R. 2 E., sec. 27, near mouth of Strawberry Creek, 125 feet from east side of road, in granite boulder; copper bolt stamped "2932"	2,932.832

¹ For additional elevations on this quadrangle refer to Farmer's double-primary line, Colton to Yuma, along Southern Pacific R. R.

	Feet
T. 5 S., R. 2 E., sec. 25, near mouth of Johnson Creek, 170 feet north of bridge, east side of road, inside of angle in fence; iron post stamped "4443"	4,443.902
T. 5 S., R. 3 E., sec. 31, divide of Hemet Valley and San Jacinto drainage, 20 feet north of road; iron post stamped "4936"	4,936.865
T. 6 S., R. 3 E., sec. 10, Thomas's ranch, opposite and north of house, west of road at fence corner, on line between secs. 3 and 10; iron post stamped "4394"	4,394.818
T. 6 S., R. 3 E., sec. 25, Thomas's ranch, 10 feet east of south gate, where road forks to Kenworthy and Coahuila Valley; iron post stamped "4509"	4,509.851

From Kenworthy southwest along road to Wilson Valley

Coahuila divide, 18 feet west of road; iron post stamped "4965"	4,966.088
T. 7 S., R. 3 E., sec. 21, Mission Indian Reservation, 20 feet west of north gate, on north side of road; iron post stamped "3836"	3,836.848
Coahuila Indian School, sec. 23, T. 7 S., R. 2 E., 3 feet north of southwest corner of chapel yard; iron post stamped "3635"	3,635.796
T. 8 S., R. 2 E., sec. 5, divide between Coahuila and Wilson valleys, 7 feet southeast of road; iron post stamped "3542"	3,543.157

From Wilson Valley north along road via Sage to Hemet

T. 7 S., R. 1 E., sec. 20, Lewis Valley, east of road, 18 feet north of line fence between secs. 20 and 29; iron post stamped "2130"	2,131.060
Sage post office, east of, sec. 12, T. 7 S., R. 1 W., on east side of Coahuila road; iron post stamped "2283"	2,283.979
T. 6 S., R. 1 W., sec. 36, Sage divide, 10 feet east of road, 260 paces south of Hemet road; iron post stamped "2615"	2,615.955
T. 6 S., R. 1 W., sec. 4, Diamanta schoolhouse, in Diamond Valley, 0.5 mile west of county road, 20 feet east of entrance to building, in edge of lawn; iron post stamped "1626"	1,626.998

From point 3 miles east of Beaumont north to southwest corner of San Bernardino Forest Reserve (double-rodded line)

Tps. 2 and 3 S., Rs. 1 E. and 1 W., common corner, at southwest corner of San Bernardino Forest Reserve, 1.5 miles north of railroad, 2 feet south of Forest Reserve monument, which is an iron pipe filled with concrete on San Bernardino meridian; iron post stamped "2710"	2,710.800
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From point 3 miles east of Banning north to township and range line corner (double-rodded line)

Tps. 2 and 3 S., Rs. 1 and 2 E., common corner, on south line of San Bernardino Forest Reserve, 1.25 miles north of Southern Pacific R. R., in top of square iron post filled with concrete; copper bolt stamped "2342"	2,342.334
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From point 3.6 miles east of Cabezon north to township and range line corner (double-rodded line)

Tps. 2 and 3 S., Rs. 2 and 3 E., common corner, 2 feet north of south line of San Bernardino Forest Reserve, 1.7 miles north of Southern Pacific R. R.; iron post stamped "1978"	1,978.663
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From Whitewater southeast along road to Palm Springs, thence south up Palm Canyon trail to Vandeventer, thence northwest to Kenworthy

	Feet
T. 3 S., R. 4 E., sec. 29, 2.5 miles southeast of trestle 584 F, 25 feet east of rocky point, 5 feet south of Rubble canal from Whitewater River to Palm Springs; iron post stamped "828"-----	828. 781
Palm Springs, in south concrete wall of hotel building; bronze tablet stamped "455"-----	455. 933
Garden of Eden, on township line between Tps. 4 and 5 S., R. 4 E., east of Palm Canyon road; iron post stamped "557"-----	557. 978
Garden of Eden, 3 miles south of, east side of Palm Canyon, in a grove of palms on southwest side of small canyon, at side of trail; iron post stamped "1000"-----	1,000. 820
Garden of Eden, 10 miles south of, in Palm Canyon, near rocky gorge, by west wall of canyon, 100 feet southwest of creek crossing, where trail leaves the main canyon and crosses hills to the east; iron post stamped "3000"-----	3,000. 132
Vandeventer, north of house on a little knoll, in a granite boulder 3 feet high, 8 by 4 feet, 50 feet east of road to house just south of where it forks to Kenworthy; copper bolt stamped "4549"-----	4,549. 746
Kenworthy, south of post office, in a granite boulder 3 feet high, 7 by 5 feet, at rocky point 100 feet north of wash, by trail; bolt stamped "4566"-----	4,566. 501

SEVENTEEN PALMS QUADRANGLE

[Latitude $33^{\circ}-33^{\circ} 15'$; longitude $116^{\circ}-116^{\circ} 30'$]

IMPERIAL AND SAN DIEGO COUNTIES

Primary leveling by C. C. Ward in 1901

From Seventeen Palms southwest along trail to Borego Springs

	Feet
T. 11 S., R. 9 E., southeast corner of sec. 4; iron post stamped "71 T"-----	71. 904
From Seventeen Palms southwest along trail to Borego Springs	
Seventeen Palms, 3.2 miles southwest of, 8 feet east of road; iron post stamped "367 T"-----	367. 889
T. 11 S., R. 7 E., northeast corner of sec. 24; iron post stamped "336 T"-----	336. 779
Borego Springs, 60 feet south of, 25 feet north of cabin; iron post stamped "452 T"-----	452. 906