

DEGREE QUADRANGLE 34°-35°, 117°-118°

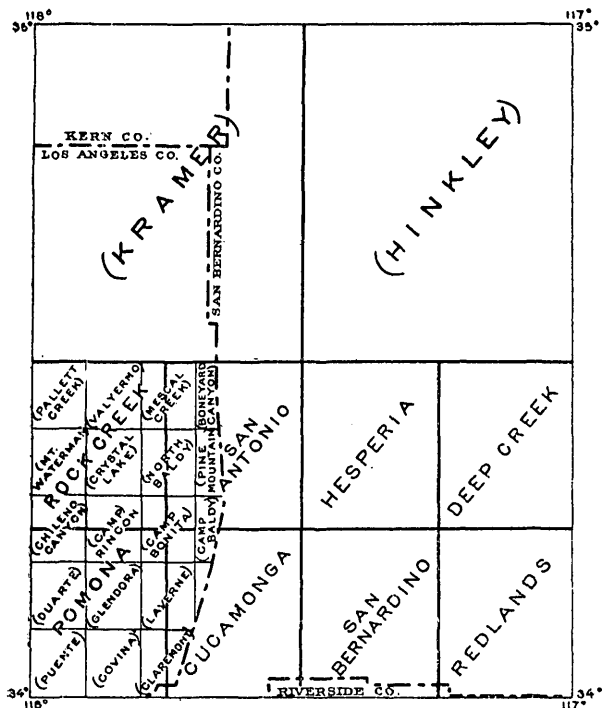


FIGURE 13.—Diagram of degree quadrangle 34°-35°, 117°-118°

CUCAMONGA QUADRANGLE

[Latitude 34°-34° 15'; longitude 117° 30'-117° 45']

LOS ANGELES AND SAN BERNARDINO COUNTIES

Primary leveling by H. S. Crowe in 1897

From Pomona east along Southern Pacific R. R. to South Etiwanda (double-rodged line)

	Feet
Pomona, J. H. Graber building, northwest corner of railroad reservation and Gordon St., four rows of brick from corner, 7 courses from sidewalk; bronze tablet stamped "861"-----	862.646
Ontario, in grass plot in front of station, 79.2 feet south of southwest corner of station; iron post stamped "986"-----	987.011
Ontario, in southwest corner of Southern Pacific Hotel, seventh course from sidewalk and two courses from doorway on west side of building; bronze tablet stamped "992"-----	992.951
Ontario, in northwest corner of bank building, on Main Ave., second course from steps, eighth course above sidewalk; bronze tablet stamped "987"-----	988.466

	Feet
South Cucamonga (Zucker), in station park, 45.1 feet from southeast corner of station and 2.6 feet from telegraph pole; iron post stamped "958"-----	958. 133
South Etiwanda, 58.6 feet south of center of wagon road and 2.6 feet west of telegraph pole; iron post stamped "981"-----	982. 652

DEEP CREEK QUADRANGLE

[Latitude 34° 15'-34° 30'; longitude 117°-117° 15']

SAN BERNARDINO COUNTY

Primary leveling by C. R. Smith in 1898-99

From Victor southeast along old Telegraph road to Fifteenmile Point

	Feet
Victor, 5.75 miles southeast of, on Rocksprings and old Telegraph Line roads, 6 feet right of latter road, on brow of second bench land; iron post stamped "2960 S. B"-----	2, 960. 360
Fifteenmile Point, 0.5 mile east of where road from Victor joins old stage road from San Bernardino to Rabbit Springs; iron post stamped "3010 S B"-----	3, 011, 180

From Hesperia east via Bear Valley and Rabbit Springs roads to Fifteenmile Point

Mohave River, on brow of first bench land east of, 4 feet north of Bear Valley road; iron post stamped "3097 S B"-----	3, 097. 441
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From junction of Rabbit Springs and Bear Valley roads southeast along Bear Valley road to Coxey's ranch, thence west down Deep Creek to Mohave River

Rock Springs, in triangle of roads; iron post stamped "3748 S B"---	3, 748. 581
Coxey's ranch, in corner of garden fence; iron post stamped "5619 S B"-----	5, 620. 053
Deep Creek, Hesperia Land & Water Co.'s diversion dam; surface of top of cement work-----	3, 366. 94

From Hesperia southeast along pipe line to Mohave River (southwest corner sec. 7, T. 3 N., R. 3 W.), thence southwest to Burcham's ranch

T. 3 N., R. 3 W., southwest corner sec. 7, 7 miles southeast of Hesperia; iron post stamped "2960 S B" (unstable)-----	2, 960. 531
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From Coxey's ranch southeast 4.3 miles to junction of road to Pine Flats

Coxey's ranch, 4.3 miles southeast of, at point where road to Pine Flat branches off, in forks of road; iron post stamped "6823 S B"-----	6, 823. 943
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HESPERIA QUADRANGLE

[Latitude 34° 15'-34° 30'; longitude 117° 15'-117° 30']

SAN BERNARDINO COUNTY

Precise leveling by U. S. Coast and Geodetic Survey

From Keenbrook north along Atchison, Topeka & Santa Fe Ry. to Hesperia

	Feet
Keenbrook, 1 telegraph pole west of signboard at, 25 meters south-east of road crossing; iron post (U. S. C. & G. S. b. m. H ₂)-----	2, 480. 353
Cajon, about 2.5 miles south of, on west side of track, in center of coping of large concrete arch bridge A66 of the Atchison, Topeka and Santa Fe Ry.; red metal disk (U. S. C. & G. S. b. m. I ₂)-----	2, 631. 255

Feet

Dell, at railroad station, inside of garden fence east of the county road; iron post with bronze cap stamped "2,768 S. B." (G. S. b. m.)	2, 768. 584
Cajon, 18 meters northwest of railroad station, in northwest end of flower plat; bottom of hole in top of stone or cement post (U. S. C. & G. S. b. m. J ₂)	2, 927. 803
Gish, about one-third of a mile south of, 2 telegraph poles north of milepole 60, 12 meters west of railroad track; iron post (U. S. C. & G. S. b. m. K ₂)	3, 263. 268
Cajon, about 4.75 miles north of, on west side of track, at a point where the county road recrosses the railroad; iron post with bronze cap stamped "3,685 S. B." (G. S. b. m.)	3, 685. 511
Summit, at northwest corner of railroad station and 9 meters northwest of track; bottom of hole in top of stone or cement post (U. S. C. & G. S. b. m. L ₂)	3, 823. 621
Summit, about 1.75 miles northeast of, at road crossing, 1 telegraph pole southeast of milepost 54, 0.75 meter east of railroad right of way; iron post with red metal cap (U. S. C. & G. S. b. m. M ₂)	3, 730. 376
Summit, 2 miles north of, 13 meters west of railroad track, 7 meters north of second wagon road that crosses the railroad; bronze cap on iron post stamped "3,462 S. B." (G. S. b. m.)	3, 463. 169
Hesperia, about 1.25 miles south of, in southeast corner of reservoir tract of Hesperia Land & Water Co., near a road crossing and 45 meters west of railroad track; red metal cap on iron post (U. S. C. & G. S. b. m. N ₂)	3, 265. 866
Hesperia, at northeast corner of brick hotel building; bronze cap on iron post stamped "3,190 S. B." (U. S. G. S. b. m.)	3, 190. 933
Hesperia, near a road crossing 5 meters north of milepole 45, on range with telegraph poles along railroad; bottom of hole in top of stone or cement post (U. S. C. & G. S. b. m. O ₂)	3, 180. 223
Hesperia, 4.75 miles north of, in north end of coping at west end of small cement railroad culvert A41; cross marked "2,856" (G. S. b. m.)	2, 857. 264

Primary leveling by C. R. Smith in 1898-99

From Hesperia west along road to Tamborino ranch, thence northeast along north branch of Sheep Creek to point 5 miles west of Victor	
Hesperia, 5 miles west of, at junction of road to Tamborino ranch with road from Oro Grande to San Bernardino, via Cajon Pass; iron post stamped "3522 S B"	3, 522. 520
Hesperia, 10 miles west of, at southeast corner of Tamborino ranch, on south side of Sheep Creek road, 30 feet southeast of corner common to secs. 13, 14, 23, and 24, T. 4 N., R. 6 W.; iron post stamped "3740 S B"	3, 740. 527

From Keenbrook northwest to Applewhite (Glen) ranch

Applewhite (Glen) ranch, 40 feet west of westernmost building; iron post stamped "3256 S B"	3, 257. 340
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From Summit east to Burcham's ranch, thence southwest along Cleghorn Canyon to Cosy Dell

Burcham's ranch, on east end of south side rail of large cattle scales; cross cut on iron plate	3, 181. 94
Tps. 2 and 3 N., Rs. 4 and 5 W., 400 feet south of common corner, on left side of road by gate in west fence of Wixum's ranch on West Fork of Mohave River; iron post stamped "3355 S B"	3, 355. 366

HINKLEY QUADRANGLE

[Latitude 34° 30'-35°; longitude 117°-117° 30']

SAN BERNARDINO COUNTY

Precise leveling by U. S. Coast and Geodetic Survey

From Victorville north and northeast along Atchison, Topeka & Santa Fe Ry.
to Barstow

	Feet
Victorville, about 1.5 miles south of, 7½ telegraph poles southeast of milepost 38, at an offset in the Atchison, Topeka & Santa Fe Ry. right of way fence; red metal cap on iron post (U. S. C. & G. S. b. m. P ₂)-----	2,746.963
Victorville, at south corner of road crossing near first telegraph pole east of milepost 37, 100 meters north of wagon bridge over Mohave River, 20 meters west of railroad track; bronze cap on iron post stamped "2,723 S. B." (U. S. G. S. b. m.)-----	2,723.699
Victorville, about 90 meters south of railroad station, in front face of northerly corner of cement stone building owned by J. C. Turner, 1.3 meters above walk; red metal disk (U. S. C. & G. S. b. m. Q ₂)--	2,720.870
Victorville, about 150 meters south of railroad station, in northeast corner of public-school grounds; bottom of hole in top of stone or cement post (U. S. C. & G. S. b. m. R ₂)-----	2,730.867
Victorville, about 0.5 mile northwest of, on red sandstone base at east side of north end of steel railroad trestle A37; bottom of hole in horizontal surface (U. S. C. & G. S. b. m. S ₂)-----	2,704.496
Oro Grande, 0.3 mile southeast of the Atchison, Topeka & Santa Fe Ry. station, 7 telegraph poles northwest of milepost 32, in range with poles; red metal cap on iron post (U. S. C. & G. S. b. m. T ₂)--	2,647.915
Oro Grande, east of railroad station, in public-school grounds, 0.3 meter southwest of south porch of schoolhouse; bottom of hole cut in top of stone or cement post (U. S. C. & G. S. b. m. U ₂)-----	2,652.901
Oro Grande, about 2.5 miles northwest of, on westerly corner of concrete abutment to trestle A30 of the railroad, 3¾ telegraph poles southeast of milepost 29; surface within an outlined square (U. S. C. & G. S. b. m. V ₂)-----	2,575.891
Helen, about 5 miles south of, midway between railroad track and public road, opposite milepole 26; red metal disk on iron post (U. S. C. & G. S. b. m. W ₂)-----	2,522.823
Helen, about 3 miles south of, about 80 meters west of milepole 24, in corner of fence; red metal disk (U. S. C. & G. S. b. m. X ₂)----	2,484.749
Helen, about 20 meters northeast of water tank, on railroad right of way, in range with telegraph poles; bottom of hole in top of stone or cement post (U. S. C. & G. S. b. m. Y ₂)-----	2,429.970
Helen, about 1.5 miles north of, on railroad right of way, at milepole 19½, in range with telegraph poles, and 1.5 meters above rail; red metal disk on iron post (U. S. C. & G. S. b. m. Z ₂)-----	2,428.601
Helen, about 4.5 miles north of, concrete railroad culvert A17, in center of horizontal surface of south coping; surface within an outlined square (U. S. C. & G. S. b. m. A ₃)-----	2,376.127
Cottonwood, about 2 miles southwest of, 1 telegraph pole northeast of railroad milepole 14, in range with poles; red metal disk on iron post (U. S. C. & G. S. b. m. B ₂)-----	2,330.622

Feet

Cottonwood, on railroad right of way, 2½ telegraph poles north of milepole 12, at northwest corner of section house, 1.5 meters below rail; bottom of hole in top of stone or cement post (U. S. C. & G. S. b. m. C ₃)-----	2, 272. 171
Cottonwood, about 2 miles north of, on railroad right of way, 2 telegraph poles southwest of milepole 10, on concrete culvert A11, in center of horizontal surface of northwest coping; surface within an outlined square (U. S. C. & G. S. b. m. D ₃)-----	2, 258. 824
Cottonwood, about 3.5 miles north of, in range with telegraph poles on railroad right of way, at milepole 8½; red metal disk on iron post (U. S. C. & G. S. b. m. E ₃)-----	2, 246. 675
Todd, about 1.25 miles northeast of, at road crossing, 11 meters southeast of ninth telegraph pole northeast of milepole 5; red metal disk on iron post (U. S. C. & G. S. b. m. F ₃)-----	2, 231. 436
Barstow, about 1 mile south of, on railroad right of way, 1½ telegraph poles south of milepole 1, on concrete culvert A2, 0.25 meter from north end of horizontal surface of east coping; copper bolt, lettered "U. S." (U. S. C. & G. S. b. m. G ₃)-----	2, 138. 769
Barstow, about 215 meters west of railroad station, 2½ telegraph poles east of milepole 747, 35 meters north of railroad track, on land owned by Charles O'Donnell, in a fence corner; bottom of hole in stone or cement post (U. S. C. & G. S. b. m. H ₃)-----	2, 102. 033
Barstow, on railroad right of way, at south end of viaduct over railroad tracks, on northwest corner of west concrete foundation; red metal disk (U. S. C. & G. S. b. m. I ₃)-----	2, 111. 443
Barstow, about 100 meters south of railroad station, in public-school grounds, at southwest corner of school building, set in cement; red metal disk (U. S. C. & G. S. b. m. J ₃)-----	2, 129. 163

Precise leveling by L. F. Biggs in 1906

From Barstow along Atchison, Topeka & Santa Fe Ry. to Kramer

Barstow, 705 feet west of station, 2½ telegraph poles east of milepost 747, 115 feet north of track, on land of Charles O'Donnell, in fence corner; bottom of a square hole in top of cement post projecting 6 inches above ground (established by U. S. Coast and Geodetic Survey)-----	2, 102. 033
Barstow, on railroad right of way, at south end of viaduct over track, northwest corner of west concrete foundation; red metal U. S. C. & G. S. tablet-----	2, 111. 443
Barstow, 2 miles west of, 16 feet north of milepost 749; iron post stamped "2139"-----	2, 139. 700
Barstow, 5 miles west of, 6 feet north of first pole west of milepost 752; iron post stamped "2174"-----	2, 173. 846
Barstow, 8 miles west of, 6 feet north of milepost 755; iron post stamped "2175"-----	2, 175. 164
Barstow, 11 miles west of, 6 feet north of first pole west of milepost 758; iron post stamped "2179"-----	2, 179. 026
Barstow, 14 miles west of, 6 feet north of milepost 761; iron post stamped "2185"-----	2, 185. 811
Kramer, 16 miles east of, 6 feet north of milepost 764; iron post stamped "2247"-----	2, 247. 248
Hawes, in front of station; top of rail-----	2, 281. 5

	Feet
Kramer, 13 miles east of, 6 feet north of milepost 767; iron post stamped "2281"-----	2, 281. 056
Kramer, 10 miles east of, 6 feet north of milepost 770; iron post stamped "2368"-----	2, 368. 251
Kramer, 7 miles east of, 6 feet north of first pole west of milepost 773; iron post stamped "2423"-----	2, 422. 832
Kramer, 4 miles east of, 6 feet north of milepost 776; iron post stamped "2456"-----	2, 456. 080

Primary leveling by L. F. Biggs in 1907

From Barstow north 6 miles along road toward Ballarat

Barstow, 215 meters west of railroad station, on land of Charles O'Donnell, in fence corner; top of stone post (U. S. Coast and Geodetic Survey b. m. H ₂ 1906)-----	2, 102. 033
Barstow, 2.6 miles north of, 20 feet west of road; iron post stamped "B 2386 1906"-----	2, 386. 788
Barstow, 6 miles north of, at forks of roads; iron post stamped "B 2695 1906"-----	2, 691. 352

Primary leveling by C. R. Smith in 1898

From Victor west along road 5.2 miles

Victor, 60 feet north of wagon bridge over Mohave River and 60 feet west of track; iron post stamped "2723 S B" (recovered by U. S. Coast and Geodetic Survey)-----	2, 723. 699
Victor, south end of veranda of Turner Hotel; cross chiseled on west end of top stone step-----	2, 717. 17
Victor, 5.25 miles west of, where Oro Grande and San Bernardino road crosses road from Victor to Sheep Creek; iron post stamped "3063 S B"-----	3, 063. 994

KRAMER QUADRANGLE

[Latitude 34° 30'-35°; longitude 117° 30'-118°]

KERN, LOS ANGELES, AND SAN BERNARDINO COUNTIES

Precise leveling by L. F. Biggs in 1906

Along Atchison, Topeka & Santa Fe Ry.

	Feet
Kramer, 1 mile east of, 6 feet north of second pole west of milepost 779; iron post stamped "2483"-----	2, 483. 197
Kramer, 2 miles west of, 6 feet north of first pole west of milepost 782; iron post stamped "2508"-----	2, 509. 753
Kramer, 5 miles west of, 6 feet north of milepost 785; iron post stamped "2436"-----	2, 436. 261
Kramer, 8 miles west of, 6 feet north of milepost 788; iron post stamped "2374"-----	2, 374. 712
Rich, in front of station; top of rail-----	2, 347. 3
Muroc, 7 miles east of, 6 feet north of second pole west of milepost 791; iron post stamped "2281"-----	2, 281. 088
Muroc, 4 miles east of, 6 feet north of milepost 794; iron post stamped "2275"-----	2, 275. 563

	Feet
Muroc, 1 mile east of, 6 feet north of milepost 797; iron post stamped "2272"-----	2, 272. 655
Muroc, in front of station; top of rail-----	2, 286. 7
Muroc, 2 miles northwest of, 6 feet north of milepost 800; iron post stamped "2322"-----	2, 321. 893
Muroc, 5 miles northwest of, 6 feet north of milepost 803; iron post stamped "2370"-----	2, 370. 625

POMONA QUADRANGLE

[Latitude 34°-34° 15'; longitude 117° 45'-118°]

LOS ANGELES COUNTY

Primary leveling by H. S. Crowe in 1897

From Bassett east along Southern Pacific R. R. to Pomona (double-rodde line)	Feet
Bassett, 86.7 feet from west end of platform and 107.7 feet south of southwest corner of station; iron post stamped "295"-----	295. 740
Puente, 18 feet west of turnstile in fence north of station, 125 feet north of east end of platform; iron post stamped "328"-----	328. 859
Puente warehouse, 1.4 feet from northwest corner and 1.2 feet below brick foundation; bronze tablet stamped "331"-----	331. 996
Lemon, in southeast corner of fence of railroad reservation, 113.2 feet from southwest corner of station; iron post stamped "519"-----	520. 315
Spadra, 122.4 feet from northwest corner of station; iron post stamped "710"-----	711. 094
Pomona, 55 feet from station, near telegraph pole near park hedge; iron post stamped "861" (C. & G. S. b. m. P 36)-----	862. 364
Pomona, in Odd Fellows Building, corner Second and Ellen streets, on Ellen St. side, 11.6 feet from Second St. corner, in third course from window and 8.5 courses from sidewalk; bronze tablet stamped "854" (C. & G. S. b. m. R 36)-----	855. 746

REDLANDS QUADRANGLE

[Latitude 34°-34° 15'; longitude 117°-117° 15']

SAN BERNARDINO COUNTY

Checked primary leveling by R. A. Farmer in 1902

Near Redlands

	Feet
Redlands Junction, east of station, west side of county road, south line of Southern Pacific Co.'s right of way; iron post stamped "1201 S B"-----	1, 201. 973
Brookside, west of siding, west side of county road, at southeast corner of Brookside vineyard; iron post stamped "1301 S B"-----	1, 302. 186

ROCK CREEK QUADRANGLE

[Latitude 34° 15'-34° 30'; longitude 117° 45'-118°]

LOS ANGELES COUNTY

Primary leveling by C. R. Smith in 1899

From north side of sec. 4, T. 4 N., R. 8 W., west to Rock Creek, thence south-east to Shoemaker (Big Rock villa)¹

	Feet
Sheep Creek, 14.5 miles west of, at forks where second road to Palmdale branches to northwest; iron post stamped "3497 S B"-----	3,497.987
Shoemaker's ranch, on Rock Creek, 50 feet west of hotel; iron post stamped "3927 S B"-----	3,927.655

SAN ANTONIO QUADRANGLE

[Latitude 34° 15'-34° 30'; longitude 117° 30'-117° 45']

LOS ANGELES AND SAN BERNARDINO COUNTIES

Primary leveling by C. R. Smith in 1899

From Applewhite northwest via North Fork of Lytle Creek and Lone Pine Canyon roads to center of T. 3 N., R. 7 W., thence north and east along Sheep Creek road to Tamborino (10 miles west of Hesperia)

	Feet
Glen (Applewhite) ranch, 5.45 miles northwest of, at mouth of Coldwater Canyon, near first pine tree above forks of road; iron post stamped "5017 S B"-----	5,018.166
Hesperia, 24.65 miles southwest of, at forks where Swartout road branches off to the west, north side of road; iron post stamped "6006 S B"-----	6,006.828
Hesperia, 19.35 miles southwest of, at forks where main traveled road branches off to northwest to Palmdale and Lancaster, west side of road; iron post stamped "4429 S B"-----	4,429.722
Hesperia, 10 miles west of, at the Tamborino ranch, south side of road; iron post stamped "3740 S B"-----	3,740.527

From mouth of Sheep Creek northwest along Lancaster and Palmdale Road to sec. 4, T. 4 N., R. 8 W.

Sheep Creek, 8 miles west of, in front of deserted frame dwelling on south side of road; iron post stamped "3763 S B" (possibly 3 feet too high)-----	3,763.793
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From Sheep Creek summit west up Swartout Valley to Shoemaker

Swartout road summit, on south side of road in gap; iron post stamped "6862 S B" (true elevation is possibly 3 feet higher)-----	6,862.711
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¹ These elevations are possibly in error on account of closure on line from southeast about 3 feet high.

SAN BERNARDINO QUADRANGLE

[Latitude 34°-34° 15'; longitude 117° 15'-117° 30']

RIVERSIDE AND SAN BERNARDINO COUNTIES

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

From Highgrove north along Atchison, Topeka & Santa Fe Ry. to Devore

	Feet
Highgrove, at south end of depot park; bronze tablet stamped "945" (U. S. G. S. b. m. 945)-----	945. 792
Colton, at main entrance to Colton Grain & Milling Co.'s building; on east end of lowest cement step; surface within an outlined square (C. & G. S. b. m. A ₂)-----	978. 177
San Bernardino, about 1 mile southwest of railroad station, at southwest corner of Walnut St. crossing, in corner of a fence, on land owned by the city of Colton; iron post (U. S. C. & G. S. b. m. B ₂)---	1, 075. 087
San Bernardino, in stone foundation at northwest corner of courthouse; U. S. G. S. bronze tablet stamped "1,048"-----	1, 048. 738
San Bernardino, at southeast side of main entrance to public library, on south corner of granite balustrade; surface within outlined square (U. S. C. & G. S. b. m. C ₂)-----	1, 051. 097
San Bernardino, on north side of Third St. near E St., in west end of water table on Katz Building; surface within an outlined square (U. S. C. & G. S. b. m. City)-----	1, 045. 093
San Bernardino, 1 mile northeast of railroad station, at southeast corner of Ninth and I streets, on land owned by J. B. Schmitzen, in the corner of a fence; iron post (U. S. C. & G. S. b. m. D ₂)-----	1, 100. 074
Verdemont, about 2.8 miles southward from, 50 feet east of railroad track at a point where three wagon roads pass over a common crossing; iron post stamped "1,420 S. B." (U. S. G. S. b. m.)-----	1, 421. 093
Verdemont, about 2 miles southeast of, railroad trestle B76, on sloping surface of southwest end of southeast concrete abutment; copper bolt (U. S. C. & G. S. b. m. E ₂)-----	1, 511. 208
Verdemont, 1 telegraph pole southeast of signboard at, 15 meters southwest of railroad track; iron post (U. S. C. & G. S. b. m. F ₂)---	1, 735. 876
Devore, near county-road crossing, about 55 meters northwest of milepost 71. 13 meters east of road, on land owned by J. A. Devore, at inside corner of a stone wall; iron post (U. S. C. & G. S. b. m. G ₂)-----	2, 022. 394
Devore, about 0.5 mile west of, at northeast corner of crossroads at Glen Helen ranch; iron post stamped "2,008 S. B." (U. S. G. S. b. m.)-----	2, 009. 639

Primary leveling by H. S. Crowe in 1897 and C. R. Smith in 1898

From Riverside northeast to High Grove

High Grove, station park, south end of diamond-shaped lawn; iron post stamped "945" (recovered by U. S. Coast and Geodetic Survey)-----	945. 792
From Riverside northeast along motor railroad to San Bernardino, thence northwest along Atchison, Topeka & Santa Fe Ry. to Keenbrook	
Colton, 1 mile northeast of, at Lytle Creek, in northeast cylinder on east side of wagon-road bridge; copper bolt stamped "1007"-----	1, 007. 766

	Feet
San Bernardino, in stone on northeast corner of courthouse; bronze tablet stamped "1048" (recovered by U. S. Coast and Geodetic Survey)-----	1, 048. 738
Verdemont, 2.8 miles southward from, 50 feet east of track at point where three wagon roads pass over a common crossing; iron post stamped "1420 S. B." (recovered by U. S. Coast and Geodetic Survey)-----	1, 421. 093
Glen Helen ranch, on east side of county road; iron post stamped "2008 S. B." (recovered by U. S. Coast and Geodetic Survey)-----	2, 009. 639
From South Etiwanda east along Southern Pacific R. R. to Mound City (double-rodged line)	
San Sevaine, on south side of track, 231 feet from southwest corner of station, near fence; iron post stamped "1063"-----	1, 063. 438
Bloomington, south side of track, 87.9 feet from southeast corner of station, 2.2 feet from telegraph pole and 7 feet from center of wagon road; iron post stamped "1090"-----	1, 090. 499
Bloomington, in brick building at post office owned and occupied by W. H. H. Easton, southwest corner of Orchard and Commercial streets; in sixth course of brick above foundation and second course from southeast corner of building; bronze tablet stamped "1098"-----	1, 099. 381
Colton, 1.25 miles west of, at cement company's storehouse, in wall on north side, 3.4 feet from east corner, 0.7 foot from top of foundation, 35.8 feet from center of track; bronze tablet stamped "1006"-----	1, 006. 925
Colton, in corner of brick building at Transcontinental Hotel, in third course above top of corner post and in center of brick laid horizontally; bronze tablet stamped "978"-----	979. 353
From Colton east along Southern Pacific R. R. to vicinity of Palm Springs	
Mound City, east of station; northeast corner of reservoir wall; copper bolt stamped "1079"-----	1, 080. 042

LOS ANGELES COUNTY SPECIAL SURVEY

CUCAMONGA AND POMONA 15' QUADRANGLES AND THE 6' QUADRANGLES SHOWN IN THE FIGURE

[Latitude 34°-34° 15'; longitude 117° 30'-118°]

Precise leveling by U. S. Coast and Geodetic Survey in 1923

From Gabriel triangulation station east along base line and south to Southern Pacific Ry. between Ontario and Pomona with spur lines to these points and to Monrovia, Azusa, Covina, and San Dimas

	Feet
Triangulation station Gabriel, about 2.5 miles south of Monrovia, 1.3 miles south from intersection of Atchison, Topeka & Santa Fe Ry. with California Ave., on east edge of dump grounds, 220 feet east of a small stream, 30 feet east of center line of old asphalt pavement on Dalton County road, 0.2 mile north of house owned by J. W. Kelley; standard disk station mark set in concrete-----	366. 315

Feet

Monrovia, in wall at left side of main entrance to National Bank of Monrovia; brass disk (U. S. C. & G. S. b. m. M-35)-----	546.964
Monrovia, on corner of South Myrtle and East Lime streets, in west face of building of Renaker Co., funeral directors; brass disk (U. S. C. & G. S. b. m. N-35)-----	560.671
Monrovia, in east face of public library, 2 feet north of southeast corner and 3.5 feet above ground; brass disk (U. S. C. & G. S. b. m. O-35)-----	558.135
Monrovia, about 2.5 miles south of, 1.7 miles south of intersection of Mount Ave. and the Atchison, Topeka & Santa Fe Ry., 0.5 mile south of Monrovia dump at end of Mount Ave., on a high point of ground between the main beds of San Gabriel Wash; concrete post with disk in top (U. S. C. & G. S. b. m. J-35)-----	390.724
Monrovia, about 2.5 miles south and 1 mile east of, in San Gabriel Wash, on high point of ground; concrete post with disk in top (U. S. C. & G. S. b. m. K-35)-----	443.818
Triangulation station Edison, about 1.5 miles south and 2 miles west of Azusa, 1,600 feet west of Dalton substation of Southern California Edison Co., 20 feet north of center of highway; station and reference marks are standard disks set in concrete, reference mark is 58.8 feet S. 25° E. of station-----	492.806
	{ Station mark = 493.044
	{ Reference mark =
Azusa, about 1.3 miles south and 0.6 mile west of, 10 feet south of center line of Gladstone Ave.; concrete post with disk in top (U. S. C. & G. S. b. m. L-35)-----	506.475
Azusa, in southwest corner of First National Bank Building; brass disk (U. S. C. & G. S. b. m. P-35)-----	611.049
Azusa, in east face of Public Library, 3.2 feet above ground; brass disk (U. S. C. & G. S. b. m. Q-35)-----	612.689
Triangulation station Citrus, about 1.5 miles north of Covina, 70 feet east of center line of Citrus Ave., 11 feet north of center line of Gladstone Ave.; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)-----	589.044
Covina, in south face of Fire Department building on East College St. (U. S. C. & G. S. b. m. R-35)-----	553.601
Covina, in north face of telephone office on East College St.; brass disk (U. S. C. & G. S. b. m. S-35)-----	551.584
Covina, in east face of yellow-brick building on Citrus Ave. owned by Charles Osborn; brass disk (U. S. C. & G. S. b. m. T-35)-----	547.604
Covina, in north face of building on Badillo St. owned by Irvin G. Reynolds; brass disk (U. S. C. & G. S. b. m. U-35)-----	546.321
Triangulation station Dalton, about 1.5 miles north and 0.75 mile east of Grammar School at Covina, 8 feet north of center line of Gladstone Ave.; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)-----	642.509
Triangulation station Gladstone, about 2.5 miles west and 0.5 mile north of San Dimas, about 700 feet east of a north and south road, 11 feet north of center line of Gladstone Ave., reference mark is 106 feet north of station; station and reference marks are standard disks set in concrete-----	761.189
	{ Station mark = 761.901
	{ Reference mark =

	Feet
Triangulation station Dimas, about 0.5 mile north and 0.5 mile west of San Dimas, on northwest slope of prominent hill upon which the San Dimas Reservoir is situated, 30 feet south of Gladstone Ave. extended, 30 feet south of wire fence, 250 feet east of road leading around base of hill, reference mark is 28.2 feet north of station in fence line; station and reference marks are standard disks set in concrete-----	<div> <div>Station mark =</div> <div>Reference mark =</div> </div> <div>976. 419</div> <div>963. 571</div>
Triangulation station Rock, about 1 mile north and 0.75 mile west of San Dimas, near north edge of San Dimas Wash, about 800 feet west of Amelia Ave., 100 feet south of an orange grove, reference mark is 105 feet north of station; station and reference marks are standard disks set in concrete-----	<div> <div>Station mark =</div> <div>Reference mark =</div> </div> <div>916. 789</div> <div>918. 010</div>
San Dimas, 1 mile north and 0.1 mile east of, on Foothill Bvd., 20 feet east of center line and 200 feet north of point where boulevard turns eastward; concrete post with disk in top (U. S. C. & G. S. b. m. Y-35)-----	999. 325
San Dimas, in north face of San Dimas Garage on West Bonita St.; brass disk (U. S. C. & G. S. b. m. V-35)-----	954. 529
San Dimas, in center of south face of A. A. Neher Block on West Bonita St.; brass disk (U. S. C. & G. S. b. m. W-35)-----	950. 195
San Dimas, in east face of northernmost of two buildings of Grammar School, 13 feet north of southeast corner; brass disk (U. S. C. & G. S. b. m. X-35)-----	938. 013
San Dimas, 1 mile north and 0.8 mile east of, 300 feet north of Foothill Bvd., 23 feet west of center line of Artesia St.; concrete post with disk in top (U. S. C. & G. S. b. m. A-36)-----	1, 061. 100
Triangulation station Garrett, about 1.5 miles west and 1.5 miles north of La Verne, 100 feet northeast of junction of Base Line Road and Foothill Bvd., at north edge of Base Line Road, 1 foot north of a stone wall; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)-----	1, 113. 954
La Verne, about 1.2 miles west and 1.5 miles north of, 0.2 mile west of La Verne Heights School, 375 feet west of Wheeler and Wilson Road, 10 feet north of center line of Base Line Road; concrete post with disk in top (U. S. C. & G. S. b. m. Z-35)-----	1, 156. 691
Triangulation station Bridge, about 1.5 miles due north of La Verne, 16 feet north of center line of Base Line Road, 0.3 mile west of point where there is a southward jog in road; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)-----	1, 181. 002
Triangulation station Foot, about 1.5 miles north and 0.2 mile east of La Verne, at north edge of Base Line Road at a point where it jogs southward; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)-----	1, 235. 326
Triangulation station Reynolds, about 1.5 miles north and 0.2 mile east of La Verne, 0.3 mile west of Williams Ave. at south edge of Base Line Road where it makes a northward jog; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)-----	1, 214. 492
Triangulation station Hill, about 1.5 miles north and 0.6 mile east of La Verne, 450 feet east of Williams Ave., 20 feet south of center line of Base Line Road; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)-----	1, 283. 190

Feet

Triangulation station Malone, 1 mile north and 1 mile west of high school at Claremont, 200 feet south of point where Base Line Road turns south at Live Oak Canyon, 11 feet west of center line of road; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)	1, 341. 333
Triangulation station French, 1 mile north and 1 mile west of high school at Claremont, 3 feet north of westward extension of center line of Base Line Road where it turns south along Live Oak Canyon, 3 feet east of edge of a bluff; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)	1, 345. 647
Claremont, 1 mile north and one-third of a mile west of high school, on property belonging to Adolph Bernard, 9 paces south of Base Line Road and 11 paces west of Indian Hill Road; concrete post with disk in top (U. S. C. & G. S. b. m. D-36)	1, 394. 823
Claremont, 1 mile north and 0.5 mile west of high school, on property owned by Johnson Bros., on east side of a 150-foot circular concrete reservoir, 160 feet south of Base Line Road, about 1,300 feet west of Indian Hill Road; brass disk (U. S. C. & G. S. b. m. F-36)	1, 374. 791
Triangulation station Pate, 1 mile north and 1.5 miles east of high school, 0.2 mile west of county line, 80 feet east of a road running north, about 11 feet north of center line of Base Line Road standard disk station mark set in concrete (U. S. C. & G. S. b. m.)	1, 518. 324
Triangulation station East Base, 1 mile north and 2 miles east of high school at Claremont, 0.25 mile east of a well-defined wash which marks the boundary between Los Angeles and San Bernardino counties, 115 feet south of Base Line Road, 80 feet west of old wagon road; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)	1, 550. 085
Triangulation station East Base 2. station is 265 feet S. 17° W. of East Base, described above; standard disk station mark set in concrete (U. S. C. & G. S. b. m.)	1, 540. 328
Upland, 1 mile west of, 2.1 miles north of Valley Bvd., on west side of Mountain Ave., in center of south end of a concrete culvert, 42 feet south of south rail of Atchison, Topeka & Santa Fe Ry.; concrete post with disk in top (U. S. C. & G. S. b. m. K-36)	1, 220. 247
Ontario, in southeast corner of Franklin Building on Euclid Ave.; brass disk (U. S. C. & G. S. b. m. M-36)	997. 655
Ontario, in west face of City Hall, 1.2 feet from northwest corner and 4 feet above pavement; 2-inch brass disk (city bench mark) (U. S. C. & G. S. b. m. N-36)	995. 470
Ontario, on Main Ave., in northwest corner of building formerly occupied by a bank; Geological Survey bronze tablet stamped "987" (U. S. C. & G. S. b. m. O-36)	988. 466
Ontario, about 3 miles west of, in north end of east abutment of a concrete culvert on Los Angeles & Salt Lake R. R., 19 paces east of milepost 35.04, 5.7 feet north of north rail; brass disk (U. S. C. & G. S. b. m. L-36)	945. 366
Pomona, 55 feet from Southern Pacific R. R. station, near a telegraph pole near the park hedge; Geological Survey iron post stamped "861" (U. S. C. & G. S. b. m. P-36)	862. 364

	Feet
Pomona, in east face of J. H. Graeber Building, at corner of railroad reservation and Gordon St.; Geological Survey bronze tablet stamped "861" (U. S. C. & G. S. b. m. Q-36)-----	862.646
Pomona, corner of Second and Ellen streets, in Ellen St. side of Odd Fellows Building, 11.6 feet from Second St. corner; Geological Survey bronze tablet stamped "854" (U. S. C. & G. S. b. m. R-36)-----	855.746
Pomona, in south side of City Hall, 12.8 feet east of entrance; brass disk (U. S. C. & G. S. b. m. S-36)-----	853.755

From center of east line of El Monte 6' quadrangle in adjacent 1° area along Southern Pacific R. R. east and northeast to Pomona, thence east to Ontario (double-rodged line by H. S. Crowe, 1897, fitted to U. S. C. & G. S. elevations at Pomona and Ontario and a weighted elevation for Puente)

NOTE.—The error adjusted between Puente and Pomona is 0.526 foot, which is very large. The line should therefore be releveled and compared with the printed elevations in Bulletin 342, page 63, after applying local correction to Spadra, which should read 710.506.

Bassett, 86.7 feet from west end of platform and 107.7 feet south from southwest corner of station; iron post stamped "295"-----	295.740
Puente, north of station, 125 feet north of east end of platform, 18 feet west of turnstile in fence; iron post stamped "328"-----	328.859
Puente warehouse, 1.4 feet from northwest corner and 1.2 feet below brick foundation; bronze tablet stamped "331"-----	331.996
Lemon, 113.2 feet from southwest corner of station, in southeast corner of fence of railroad reservation; iron post stamped "519"-----	520.315
Spadra, 122.4 feet from northwest corner of station; iron post stamped "710"-----	711.094
Pomona, 55 feet from station, near telegraph pole near park hedge; iron post stamped "861" (U. S. C. & G. S. b. m. P-36)-----	862.364
Ontario, in grass plot in front of station, 79.2 feet south of southwest corner of station; iron post stamped "986"-----	987.011
Ontario, in southwest corner of Southern Pacific Hotel on west side of building, seventh course of brick from sidewalk and two courses from doorway; bronze tablet stamped "992"-----	992.951
South Cucamonga (Zucker), in station park, 45.1 feet from southeast corner of station, 2.6 feet from telegraph pole; iron post stamped "958"-----	959.133
South Etiwanda, 58.6 feet south of center of wagon road, and 2.6 feet west of telegraph pole; iron post stamped "981"-----	982.652

Primary leveling by C. W. H. Nessler in 1923

From El Monte 6' quadrangle in adjoining 1° area east along Union Pacific R. R. to Puente

Hill Grove, 1 mile west of, at northeast end of steel railroad bridge over San Jose Creek, in west end of concrete retaining wall; metal plug marked "U. S. 290.6 B. M."-----	290.60
Reference mark, 35 feet northeast of b. m.; white square painted on southwest corner of foundation for crossing signal-----	309.97
Hill Grove, 0.25 mile west of, 55 feet southwest of Seventh St. and Union Pacific crossing, 50 feet south of track, on south edge of right of way, in concrete post; bronze tablet stamped "M 3 1923"-----	309.941
Hill Grove, in front of station; top of rail-----	310.7

	Feet
Hill Grove, 0.3 mile east of, 300 feet east of road crossing, on south side of Union Pacific track, in west end of concrete culvert; chiseled square, marked "U. S. 311.2 B. M."-----	311. 28
Puente, 0.7 mile west of, on southeast corner of concrete base for Southern Pacific semaphore 5000; painted white square-----	311. 43

Primary leveling by H. S. Senseney in 1923

From Puente north along highway through Puente and Duarte 6' quadrangles to Azusa

Puente, 1 mile north of, on west side of Glendora Ave., at road forks, in concrete head gate; chiseled square, marked "U. S. B. M. 328.3"-----	328. 49
Puente, 1.6 miles north of, on west side of Glendora Ave., at Cameron Ave., 6 feet east of head gate, in curb; chiseled square, marked "U. S. B. M. 334.2"-----	334. 46
Puente, 2.1 miles north of, at northwest corner of Glendora and Francisquito avenues, in curb; chiseled square, marked "U. S. B. M. 346.9"-----	347. 10
Puente, 2.7 miles north of, in southwest corner of Glendora and Merced avenues, where Merced Ave. turns west, in concrete post; bronze tablet stamped "S-54-1923"-----	371. 186
Puente, 2.7 miles north of, on east side of Glendora Ave., 45 feet south of where Merced Ave. turns west, in curb; chiseled square--	370. 57
Puente, 3.8 miles north of, on Glendora Ave., in southwest corner of concrete bridge over Walnut Creek; chiseled square, marked "U. S. B. M. 408.2"-----	408. 41
Puente, 4.5 miles north of, at northwest corner of Lark Ellen and Arroyo boulevards, in curb; chiseled square, marked "U. S. B. M. 431.0"-----	431. 20
Puente, 5.6 miles north of, 2 miles west of Covina, 25 feet south by 25 feet west of intersection of Lark Ellen and Covina boulevards, in concrete post; bronze tablet stamped "S 55 1923"-----	463. 130
Puente, at southeast corner of Lark Ellen and Covina boulevards, in curb; chiseled square-----	463. 41
Covina, 1 mile northwest of, 1.5 miles south of Azusa, at northeast corner of Azusa and Cypress avenues, in curb; chiseled square, marked "U. S. B. M. 502.5"-----	502. 67
Azusa, 0.5 mile south of, at northeast corner of Azusa Ave. and Walnut St., in concrete culvert; chiseled square, marked "U. S. B. M. 515.6"-----	515. 82
Azusa, 55 feet north by 25 feet west of intersection of Azusa Ave. and First St., in concrete post; bronze tablet stamped "S 56 1923"-----	543. 456
Azusa, at northeast corner of Azusa Ave. and First St., at fire hydrant, in curb; chiseled square-----	542. 61
Azusa, at intersection of Azusa Ave. and Center St., on south side of War Memorial, in first concrete step; chiseled square-----	606. 688

From point northwest of Covina east along highways in Duarte and Glendora 6' quadrangles to San Dimas

Covina, 0.5 mile north of, at northeast corner of Citrus and Cypress avenues, in curb; chiseled square marked "U. S. B. M. 565.4"-----	565. 55
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	Feet
Covina, 1 mile north by 1 mile east of, at southwest corner of Section Center and Grand avenues, in curb; chiseled square marked "U. S. B. M. 637.5"-----	637.73
Covina, 1 mile north by 2 miles east of, 20 feet north by 35 feet east of intersection of Section Center and Bonnie Cove avenues, in concrete post; bronze tablet stamped "S 58 1923"-----	710.780
Covina, at northeast corner of Section Center and Bonnie Cove avenues, in curb; chiseled square-----	710.24
Covina, 1 mile north by 3 miles east of, at northwest corner of Section Center and Valley Center avenues, in curb; chiseled square marked "U. S. B. M. 782.7"-----	782.92
Covina, 1 mile north by 4 miles east of, on north side of Section Center Ave., 300 feet east of Amelia Ave., in east end of driveway to Pinehurst; chiseled square, marked "U. S. B. M. 854.6"-----	854.79
San Dimas, 200 feet west of depot, 2.4 feet south of south curb of Bonita Ave., in concrete post; bronze tablet stamped "S 59 1923"-----	940.250
San Dimas, 90 feet west of b. m. "S. 59," in south curb of Bonita Ave.; chiseled square-----	939.68

From San Dimas along highways east and south to Pomona, in Glendora, La Verne, and Claremont 6' quadrangles

San Dimas, 1 mile east of, at northwest corner of Bonita and Artesia avenues, in top of stump; copper nail and washer, marked "U. S. B. M. 1,015.0"-----	1,015.27
La Verne, at northwest corner of West Third St. and north-south road, on city corporation line, in curb; chiseled square, marked "U. S. B. M. 1,038.1"-----	1,038.34
La Verne, 65 feet southwest of intersection of Third and D streets in northeast corner of grounds of La Verne College, in concrete post; bronze tablet stamped "S 60 1923"-----	1,050.462
La Verne, 65 feet northeast of b. m. S-60, on south side of and in base of flagpole; chiseled square-----	1,051.68
Pomona, on north side of Pomona Ave., 50 feet west of Cucamonga St., in concrete culvert; chiseled square marked "U. S. B. M. 1,034.2"-----	1,034.47
Pomona, at southwest corner of Gavey and Park avenues, at telephone pole, in curb; chiseled square marked "U. S. B. M. 947.9"-----	948.15
Pomona, at southeast corner of Garey Ave. and Pearl St., at telephone pole, in curb; chiseled square marked "U. S. B. M. 885.0"-----	885.28

From Covina southeast along highways in Covina and Claremont 6' quadrangles to Pomona

Covina, 1 mile east of, at southeast corner of Grand and Badillo avenues, in curb; chiseled square marked "U. S. B. M. 588.5"-----	588.80
Covina, 1.7 miles southeast of, on west side of Pomona Hill Road, at road forks, in standpipe; chiseled square marked "U. S. B. M. 523.3"-----	523.58
Covina, 2.6 miles southeast of, on north side of Pomona Hill Road, about 0.25 mile east of residence of C. A. Timmons, at top of hill, in concrete post; bronze tablet stamped "S 74 1923"-----	657.013
Covina, 100 feet west of bench mark S-74, on north side of road; top of iron pipe-----	652.08

	Feet
Covina, 3.6 miles southeast of, on south side of road, at top of divide, in forks of eucalyptus tree; copper nail and washer marked "U. S. B. M. 895.1"-----	895.47
Covina, 4.3 miles southeast of, at summit of road over San Jose Hills, on south side of road in concrete post; bronze tablet stamped "S-75-1923"-----	1,039.593
Covina, 22 feet west of bench mark S-75, in forks of eucalyptus tree; copper nail and washer-----	1,040.58
Covina, 4.8 miles southeast of, on south side of road, 115 feet west of gate, in root of large maple tree; top of spike marked "U. S. B. M. 810.6"-----	810.94
Pomona, 3.5 miles west of, on south side of hill road to Covina, in root of tree; copper nail and washer marked "U. S. B. M. 771.1"-----	771.47
Pomona, 2.5 miles west of, on south side of Valley Bvd., 90 feet east of railroad crossing, in concrete post; bronze tablet stamped "S 76 1923"-----	773.352
Pomona, 110 feet west of bench mark "S 76," in concrete base of warning signal; chiseled square-----	771.00
Pomona, at railroad crossing, at Southern Pacific milepost 513, in concrete base of semaphore 5129; head of nail, marked "U. S. B. M. 820.1"-----	820.45
From Azusa west along highways through Duarte quadrangle to Monrovia	
Azusa, 720 feet east of city limits, on north side of Foothill Bvd., at northeast corner of road north, in concrete culvert; chiseled square, marked "U. S. B. M. 591.8"-----	591.99
Azusa, 2.6 miles west of, 35 feet north by 20 feet east of intersection of Foothill Bvd. and Fish Canyon Road, in concrete post; bronze tablet stamped "S. 57 1923"-----	579.959
Azusa, at northeast corner of Foothill Bvd. and Fish Canyon Road, in telephone pole; railroad spike-----	579.06
Duarte, at northeast corner of Foothill Bvd. and Highland Ave., in concrete culvert; chiseled square, marked "U. S. B. M. 535.5"-----	535.72
Duarte, 1.1 miles west of, at southwest corner of Huntington Drive and Mountain Ave., in base of standpipe; chiseled square marked "U. S. B. M. 524.9"-----	525.14

From Azusa along highways east and south to point near San Dimas

Azusa, 1 mile east of, at northwest corner of Foothill Bvd. and Citrus Ave., in concrete culvert; chiseled square, marked "U. S. B. M. 627"-----	627.32
Glendora, 0.7 mile west of, at southeast corner of Foothill Bvd. and private road south to residence of D. M. Sutherland, in root of cedar tree; copper nail and washer, marked "U. S. B. M. 702.4"-----	702.60
Glendora, at northeast corner of Foothill Bvd. and Michigan Ave., in curb; chiseled square-----	772.21
Glendora, at northwest corner of City Hall, in concrete post; bronze tablet stamped "S 61 1923"-----	775.987
Glendora, at southeast corner of Foothill Bvd. and Lorraine Ave., in concrete culvert; chiseled square, marked "U. S. B. M. 857.6"-----	857.92

	Feet
Glendora, 1 mile east of city limits, on Foothill Bvd., in southeast corner of crossroads, in concrete culvert; chiseled square-----	903.34
New reference bench mark, 50 feet northeast of post-----	980.01
Glendora, 2.5 miles east of, 85 feet north of private entrance to J. B. Coulston ranch, where Foothill Bvd. turns southward, 2 feet south by 2 feet west of corner post of National Forest Boundary, in concrete post; bronze tablet stamped "S 62 1923"-----	985.585
Glendora, 2.5 miles east by 0.5 mile south of, at northwest corner of Foothill Bvd. and Alosta Ave., in base of gas pump; chiseled square, marked "U. S. B. M. 951.0"-----	951.30