

DEGREE QUADRANGLE 35°-36°, 120°-121°

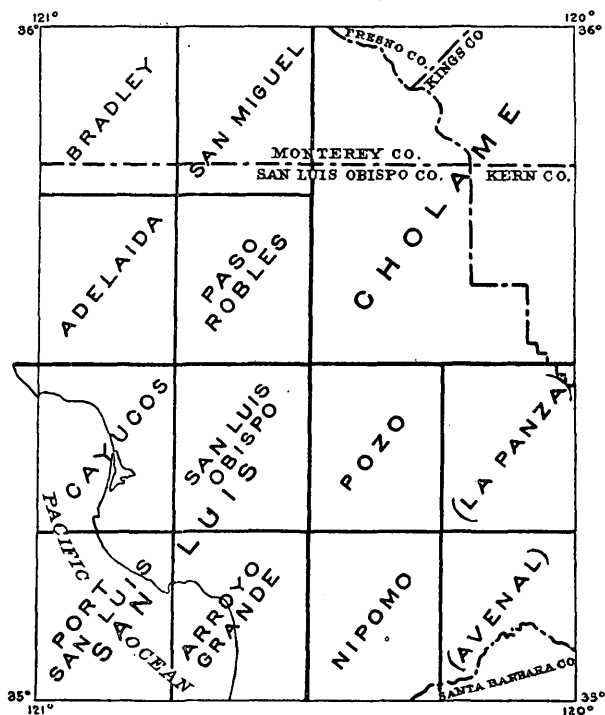


FIGURE 23.—Diagram of degree quadrangle 35°-36°, 120°-121°

ADELAIDA QUADRANGLE

[Latitude 35° 30'-35° 45'; longitude 120° 45'-121°]

SAN LUIS OBISPO COUNTY

Leveled twice. Primary leveling by R. C. Seitz in 1917 and L. F. Biggs in 1918

From east border of quadrangle along highways west to Klau School

Paso Robles, 4.88 miles west of, east side of road at south end of bend, 2,150 feet east of entrance to San Ignacio ranch on rock painted "U. S. 1,401 B. M."; chiseled mark-----	1,401.10
Paso Robles, 5.84 miles west of, north side of road at southwest corner of the D. Terris ranch; iron post stamped "1,575 1917"-----	1,574.884
Paso Robles, 6.88 miles west of, 10 feet north and about 4 feet below road, top of white rock; chiseled mark, painted "U. S. 1,707 B. M."-----	1,706.90
Upper entrance to Rancho San Ignacio road-----	1,710.4
Paso Robles, 7.70 miles west of, 8.21 miles east of Klau post office, 50 feet west of watering trough, in root of large leaning live oak tree; copper nail and washer, painted "U. S. 1,643 B. M."-----	1,643.54

	Feet
Klau post office, 7.21 miles east of, 500 feet east of summit, large rock on upper side of road; bronze tablet stamped "1913-1917"-----	1, 913. 184
Summit of road-----	1, 939. 4
Fair Oaks triangulation station, aluminum tablet stamped 2320-1918-----	2, 320. 917
Klau post office, 6.21 miles east of, in field north of road, top of 36-inch stump; copper nail and washer, painted "U. S. 1,779 B. M."-----	1, 778. 94
Klau post office, 5.21 miles east of, at southwest corner of small bridge, top of post; copper nail and washer, painted "U. S. 1,616 B. M."-----	1, 616. 54
Private road through Fair Oaks ranch; surface of road-----	1, 577. 9
Klau post office, 4.05 miles east of, on south side of road, in root of 51-inch white oak tree; copper nail and washer, painted "U. S. 1,522. B. M."-----	1, 522. 30
Klau post office, 3.20 miles east of, about 400 feet west of H. B. Blake's house, on fence line at southeast corner of field, top of low post; copper nail and washer, painted "U. S. 1,393 B. M."-----	1, 393. 55
Klau post office, 2.9 miles east of, T road to Templeton; surface of road-----	1, 355. 2
Klau post office, 2.15 miles east of, about 800 feet east of J. H. White's house, on north side of road, top of white rock; chisel mark, painted "U. S. 1,436 B. M."-----	1, 436. 13
Adelaida, about 0.25 mile south of, T road; surface of road-----	1, 385. 5
Klau post office, 0.73 mile east of, about 660 feet southwest of John Joaquin's house, 20 feet west of wire gate and 15 feet south of road, top of rock; chisel mark, painted-----	1, 146. 32
Klau post office, 0.73 mile east of, about 660 feet southwest of John Joaquin's house, 25 feet northwest of wire gate, on north edge of road, top of rock; aluminum tablet stamped "1,151 1917"-----	1, 150. 700
Klau post office, 0.27 mile west of, forks of road at Klau School, in triangle, in root of 14-inch live-oak tree; copper nail and washer, painted "U. S. 1,064 B. M."-----	1, 064. 53

Primary leveling by R. C. Seitz in 1917

From Klau School north along highways to Bradley quadrangle

Klau School, 0.84 mile north of, on edge of Las Tablas Creek at point where road enters field, in root of sycamore tree; copper nail and washer, painted "U. S. 989 B. M."-----	989. 28
Klau School, 2.23 miles northwest of, 450 feet south of F. M. Vil-ligas's house, on east edge of road at sharp bend, on chalk rock; chisel mark, painted "U. S. 961 B. M."-----	960. 84
Klau School, 3.31 miles northwest of, T road east to Adelaida, 65 feet south of Las Tablas ranch gate, in triangle, on rock; aluminum tablet stamped "907 1917"-----	907. 264
Klau School, 4.50 miles northwest of, 1.20 miles north of south entrance to Las Tablas ranch, post at east end of small box culvert; copper nail and washer, painted "U. S. 850 B. M."-----	850. 49
Klau School, 5.44 miles northwest of, 0.28 mile north of D. A. Dody's house (old Gibbons post office), 90 feet west of wooden bridge, on rock on north edge of road; chisel mark, painted "U. S. 836 B. M."-----	835. 87
T road north-----	877. 2

Feet

Klau School, 6.36 miles northwest of, 6.03 miles south of Nacimienta River, 20 feet west of road, 10 feet south of small drain, top of rock; aluminum tablet stamped "1,019, 1917"-----	1,019.384
Nacimienta River, 4.97 miles south of, at T road northwest to O'Connor ranch, in root of 18-inch live-oak tree; copper nail and washer, painted "U. S. 1,046 B. M."-----	1,045.66
Nacimienta River, 4.07 miles south of, near small burnt area, rocks on brow of hill near by, 25 feet from road, 5 feet from 36-inch live-oak tree, top of sand rock; chisel mark, painted "U. S. 1,043 B. M."-----	1,043.15
Entrance to Godfrey ranch; road at gate-----	908.8
Nacimienta River, 2.95 miles south of, 0.52 mile north of south line of Godfrey ranch, 30 feet south of and about 20 feet above road, 60 feet east of 60-inch live-oak tree, top of rock; aluminum tablet stamped "868 1917"-----	868.496
Nacimienta River, 1.62 miles south of, on large boulder between road and creek; chisel mark, painted "U. S. 719 B. M."-----	719.34
Nacimienta River, 0.62 mile south of, at point where road runs between two small hills, 9.5 feet west of 36-inch live-oak tree, top of rock; chisel mark, painted "U. S. 781 B. M."-----	777.97
Nacimienta River, water level, May 24, 1917-----	648.70
Nacimienta River, 0.28 mile north of, 400 feet west of G. C. Williams's house, near fence on north side of road, top of rock; aluminum tablet stamped "727 1917"-----	727.377
Leveled twice. Primary leveling by R. C. Seitz in 1917 and L. F. Biggs in 1918 From Klau School along highway south and west to west border of quadrangle	
Summit, about 0.25 mile east of Klau mine-----	1,248.1
Klau post office, 1.39 miles south of, west side of Dance Hall at Klau mine, top of small rock 4 feet west of tree; chisel mark, painted "U. S. 1,155 B. M."-----	1,155.57
Klau post office, 2.40 miles south of, about 500 feet north of private road into Carmine ranch, on outer edge of road at sharp bend, on large boulder; aluminum tablet stamped "1,240 1917"-----	1,239.673
Klau post office, 3.47 miles south of, 0.60 mile below creek crossing, creek skirts road, at base of ledge on east edge of road, on small rock; chisel mark, painted "U. S. 1,357 B. M."-----	1,356.81
Creek crossing, surface of road-----	1,564.7
Klau post office, 4.56 miles south of, 0.50 mile above stream crossing, 1.10 miles below summit, on rock on west edge of road; chisel mark, painted "U. S. 1,784 B. M."-----	1,785.06
Klau post office, 5.56 miles west of; summit of road-----	2,229.4
Klau post office, 5.66 miles south of, 300 feet west of summit, on large painted rock at north edge of road; aluminum tablet stamped "2,212 1917"-----	2,209.771
Klau post office, 6.88 miles south of, T road to Templeton, in south angle, 15 feet from road, 7 feet from fence, top of small rock; chisel mark, painted "U. S. 1,655 B. M."-----	1,658.78
Cambria, 11.57 miles east of, 7.71 miles south of Klau post office, 130 feet east of watering trough, 20 feet north of and 8 feet above road, top of rock; aluminum tablet stamped "1,263 1917"-----	1,198.035

	Feet
Cambria, 10.57 miles east of, at east side of small drain, 10 feet north of road, top of rock; chisel mark, painted "U. S. 783 B. M."-----	780. 19
Cambria, 9.66 miles east of, 80 feet below ford, 20 feet east of tree blazed (A. T. N. W./XIII A. B. 01 X x), in root of 18-inch alder tree; copper nail and washer, painted "U. S. 585 B. M."---	591. 56
Cambria, 8.84 miles east of, at southeast corner of Mammoth Rock School yard, 10 feet east of road, on top of small boulder; bronze tablet stamped "527 1917"-----	533. 023
Cambria, 7.79 miles east of, 5 feet east and about 3 feet above road, top of rock; chisel mark, painted "U. S. 441 B. M." (painted erroneously)-----	456. 33
Cambria, 6.75 miles east of, northwest corner of J. L. Marquart's yard, at east edge of road, top of rock; chisel mark, painted "U. S. 352 B. M."-----	355. 34
Cambria, 6.08 miles east of, 450 feet east of Fred Gamman's house, 30 feet north of road, top of boulder; bronze tablet stamped "376 1917"-----	379. 021

ARROYO GRANDE QUADRANGLE

[Latitude 35°-35° 15'; longitude 120° 30'-120° 45']

SAN LUIS OBISPO COUNTY

Precise leveling by the U. S. Coast and Geodetic Survey in 1919-20

South along Southern Pacific R. R.

	Feet
Edna, 0.5 mile south of, on south end of concrete culvert over Villa Creek first crossing 258-E, west of track; red metal disk (U. S. C. & G. S. b. m. V-25)-----	203. 825
Hadley, 0.4 mile south of, on south abutment of plate-girder bridge 259-E, east of track; red metal disk (U. S. C. & G. S. b. m. W-25) (Geological Survey bench mark here was destroyed by new masonry construction)-----	159. 448
Pismo, at mileage 262.7 opposite railroad steel bridge 262-C, on south end of abutment of steel highway bridge over Villa Creek, east of roadway; a Geological Survey bronze tablet stamped "24 20 1916" (U. S. C. & G. S. b. m. X-25)-----	24. 793
Oceano, opposite station, on southeast concrete pier of large wooden Southern Pacific R. R. water tank; red metal disk (U. S. C. & G. S. b. m. Y-25)-----	24. 829
Oceano, 0.4 mile south of, at mileage 266.4, in south concrete abutment of railroad plate-girder bridge 266-B, east side of track; red metal disk (U. S. C. & G. S. b. m. Z-25) (Geological Survey plate here was destroyed by new masonry construction)-----	30. 128
Oceano, 2.7 miles south of, about 500 feet north of 269 milepost, center of "9" in 1918 on west side of railroad culvert 268-F; surface within an outlined square on masonry (U. S. C. & G. S. b. m. A-26)-----	82. 349
Bromela, mileage 272.4, 400 feet north of station, west end of culvert 272-C; Geological Survey bronze tablet stamped "47 1916" (U. S. C. & G. S. b. m. C-26)-----	51° 338
Bromela, on west end of concrete culvert 272-D; red metal disk (U. S. C. & G. S. b. m. B-26)-----	52. 608

SAN LUIS QUADRANGLE

[Latitude 35°-35° 30'; longitude 120° 30'-121°]

SAN LUIS OBISPO COUNTY

Primary leveling by L. F. Biggs in 1916. Corrected to agree with U. S. C. & G. S. precise leveling over same route

From point near San Luis Obispo south along Southern Pacific R. R. to Guadalupe. Double-rodde line

	Feet
San Luis Obispo, 3.0 miles south of, at base of Imlay Hill, east end of concrete culvert 255-C; chiseled square marked "U. S. 233"-----	233. 57
San Luis Obispo, 3.3 miles south of, near southeast base of Imlay Hill, east end of stone railroad bridge 255-F; bronze tablet stamped "232 18 1916" (U. S. C. & G. S. b. m. U-25)-----	225. 892
Edna, 1.2 miles north of, east end of concrete culvert 255-J; chiseled square marked "U. S. 240"-----	240. 39
Edna, south end of concrete step leading to depot baggage room; chiseled square-----	232. 15
Hadley Tower, 1,500 feet west of, north end of east stone abutment of bridge 259-F; bronze tablet stamped "164 19 1916" (Reported by U. S. C. & G. S. as destroyed by new masonry construction)-----	164. 921
Taber, near east end of switch, southeast of west abutment of under-track crossing 259-M; chiseled square marked "U. S. 138"-----	138. 30
Pismo, 1.7 miles east of, south end of west stone abutment of bridge 260-H; chiseled square marked "U. S. 78"-----	78. 61
Pismo, 1.3 miles east of, south end of west stone abutment of Villa Creek bridge 261-B; chiseled square marked "U. S. 63"-----	63. 54
Pismo depot, 600 feet north of, east end of south concrete abutment of Villa Creek highway bridge; bronze tablet stamped "24 20 1916" (U. S. C. & G. S. X-25)-----	24. 793
Grover, west end of concrete culvert 264-B, at road crossing; chiseled square marked "U. S. 15"-----	15. 30
Oceano, 1.0 mile north of, west end of concrete culvert 264-D; chiseled square marked "U. S. 18"-----	19. 09
Oceano, 0.5 mile south of, east end of concrete abutment of Arroyo Grande River bridge 266-B; bronze tablet stamped "29 21 1916" (Reported by U. S. C. & G. S. as destroyed by new masonry construction)-----	29. 944
Oceano, 2.0 miles south of, east end of south abutment of undertrack crossing 267-K; chiseled square marked "U. S. 33"-----	34. 23
Callender, 1.0 mile north of, 100 feet south of railroad crossing, east end of culvert 268-F; chiseled square marked "U. S. 79"-----	82. 44
Callender, south end of switch, base of semaphore 270-I; chiseled square marked "U. S. 103"-----	106. 48
Road crossing 270-D. E.; top of rail-----	72. 3
Bromela, 400 feet north of station, west end of culvert 272-C; bronze tablet stamped "47 1916" (U. S. C. & G. S. C-26)-----	51. 338

Primary leveling by Gerald Fitz Gerald in 1919

From Pismo east along highways into Nipomo quadrangle

Pismo depot, 600 feet north of, east end of south abutment of Villa Creek bridge; bronze tablet stamped "24"-----	24. 793
---	---------

	Feet
Pismo, 1 mile east of, 300 feet north of farmhouse, north side of road, panel gate, in center of concrete highway stake; nail-----	45.07
Pismo, 2.3 miles east of, at summit of hill, south side of road, 2 feet south of panel gate, in wooden highway stake; copper nail and washer, "U. S. 182 B. M." painted on fence-----	183.15
Arroyo Grande Bank, on south side of doorstep; bronze tablet stamped "119"-----	119.643
Arroyo Grande, 1.5 miles east of, 100 feet south of deserted house, at road forks, on fence line at west side of road, in root of large live-oak tree; copper nail and washer scribed "159"-----	159.47
Arroyo Grande, 2.9 miles east of wooden bridge, on 12 by 14 inch main brace, 20 feet from south end; copper nail and washer, "187" scribed on rail, "U. S. 187 B. M." painted on rail-----	187.81
Arroyo Grande, 4.4 miles east of T road, south side of road, on top of corner fence post; copper nail and washer, "U. S. 339 B. M." painted, "339" scribed-----	339.90
Arroyo Grande, 4.7 miles east of, at turn in road, on floor at south end of wooden bridge; copper nail and washer, "U. S. 311 B. M." painted on rail-----	311.82

AVENAL QUADRANGLE

[Latitude 35°-35° 15'; longitude 120°-120° 15']

SAN LUIS OBISPO AND SANTA BARBARA COUNTIES

Primary leveling by H. S. Crowe in 1901

From east border of quadrangle west along road down Cuyama River to west border

	Feet
Wasioja post office, 12.1 miles northwest of, 15 feet north of wagon road, 500 feet east of wash on flat; iron post stamped "1,415 L. A." (B. M. 38)-----	1,418.285
Wasioja post office, 13.1 miles northwest of, on burr-oak tree, 20 inches in diameter, 60 feet north of road, at small canyon; one-half inch carriage bolt (B. M. 39)-----	1,398.60
Wasioja post office, 15.2 miles northwest of, 25 feet north of road, between two small canyons, on notch cut on burr-oak tree 48 inches in diameter; 20-penny wire nail (B. M. 40)-----	1,347.32
Wasioja post office, 16.2 miles northwest of, on north edge of road, at foot of sandstone bluff, on sandstone boulder 14 by 30 inches; 6-penny wire nail in top (B. M. 41)-----	1,315.94
Wasioja post office, 17.3 miles northwest of, on west line of Rancho Cuyama No. 1, 3 feet north of north fence post of gate in fence, 10 feet north of center of road; iron post stamped "1,289 L. A." (B. M. 42)-----	1,292.212
Wasioja post office, 18.4 miles northwest of, on south side of road, 100 feet north of rock bluff, on notch cut on stump of live-oak tree 8 inches in diameter; 20-penny wire nail (B. M. 43)-----	1,266.49
Wasioja post office, 19.3 miles northwest of, in SW. ¼ SW. ¼ sec. 30, T. 32 S., R. 18 E., 25 feet south of road, on notch cut on live-oak tree 24 inches in diameter; 20-penny wire nail (B. M. 44)-----	1,244.36
Wasioja post office, 20.9 miles northwest of, 50 feet south of road, at foot of rock bluff, on notch cut on cottonwood tree 36 inches in diameter; 20-penny wire nail (B. M. 45)-----	1,189.31

Feet

Wasioja post office, 22 miles northwest of, on south edge of road, at turn of road to south, on cottonwood tree 36 inches in diameter; spike with hook on end (B. M. 46)-----	1, 158. 93
Wasioja post office, 23 miles northwest of, at point of big bend in river near Treat ranch on knob on top of rock 10 by 12 by 15 feet in bed of river; chiseled circle on top of rock (B. M. 47)-----	1, 120. 13
Wasioja post office, 24.1 miles northwest of, 70 feet east of road; on notch cut on live-oak tree 18 inches in diameter, 20-penny wire nail (B. M. 48)-----	1, 102. 67
Wasioja post office, 25.3 miles northwest of, at jog in fence, 15 feet northeast of gate to Whaley ranch house, 2.4 feet west of corner post of fence; iron post stamped "1,091 L. A." (B. M. 49)-----	1, 094. 883
Wasioja post office, 26.9 miles northwest of, on south side of road, on grade, on notch cut on burr-oak tree 36 inches in diameter; 20-penny wire nail (B. M. 50)-----	1, 017. 07
Wasioja post office, 28.0 miles west of, on south edge of road, on long grade, on notch cut on burr-oak tree 30 inches in diameter; 20-penny wire nail (B. M. 51)-----	1, 323. 62
Center of wagon road, on divide-----	1, 386. 8
Wasioja post office, 28.2 miles west of, 25 feet west of road, at summit of first divide; on notch cut on burr-oak tree 30 inches in diameter; 20-penny wire nail (B. M. 52)-----	1, 388. 28
Wasioja post office, 29.0 miles west of, on east edge of road, on long grade, on notch cut on burr-oak tree, 36 inches in diameter; 20-penny wire nail (B. M. 53)-----	1, 267. 06
Wasioja post office, 30.1 miles west of, on west side of road, on small flat, on notch cut on burr-oak tree 36 inches in diameter; 20-penny wire nail (B. M. 54)-----	1, 452. 58
Summit of pass; center of wagon road-----	1, 485. 6
Wasioja post office, 30.8 miles west of, on saddle where steep grade starts to go down to river, 0.25 mile south of summit, 25 feet east of wagon road; iron post stamped "1,474 L. A." (B. M. 55)-----	1, 477. 060
Wasioja post office, 31.6 miles west of, on south side of road, 40 feet southwest of spring, on notch cut on white-oak tree 24 inches in diameter; 20-penny wire nail (B. M. 56)-----	1, 185. 72
Wasioja post office, 32.5 miles west of, 30 feet south of road, at foot of grade, at mouth of Aliso Canyon, on notch cut on live-oak tree 36 inches in diameter; 6-penny wire nail (B. M. 57)-----	844. 08
Center of road, opposite mouth of Pine Canyon-----	819. 9
Wasioja post office, 33.6 miles west of, 65 feet south of road, at foot of slope from cultivated field of H. Dutard, on notch cut on willow tree 24 inches in diameter; 6-penny wire nail (B. M. 58)-----	808. 18
Intersection with road to Dutard ranch house (this road goes to Los Olivos via Tuguaget Canyon)-----	795. 8
Wasioja post office, 34.7 miles west of, on bench, 80 feet south of road, 25 feet north of fence line, on notch cut on cottonwood tree 36 inches in diameter; 20-penny wire nail-----	777. 40
Center of road at gate, in fence across road (line between Suey ranch and Dutard ranch)-----	762. 3
Wasioja post office, 36.0 miles west of, 75 feet north of road, on notch cut on cottonwood tree, 48 inches in diameter, 20-penny wire nail (B. M. 60)-----	739. 52

Primary leveling by Gerald Fitz Gerald in 1919

From northwest corner of Avenal quadrangle southeast and east across north part of quadrangle to McKittrick quadrangle near Hathaway Wells

	Feet
Pozo, 10.9 miles east of, north of sharp turn in river, south bank, northwest side of road, in root of live-oak tree; copper nail, triangle scribed "1,672"-----	1, 674. 37
Pozo, 12.1 miles east of, creek forks, north side of road, in root of large white-oak tree; copper nail, triangle scribed "U. S. 1,740"-----	1, 742. 26
Pozo, 13.5 miles east of, half way between creek crossings, 100 feet from each, 30 feet north of road, in large white-oak tree; copper nail on root, triangle on tree scribed "U. S. 1,818"-----	1, 819. 98
Pozo, 13.7 miles east of, at road forks, 30 feet north of panel gate, in fence corner; iron post stamped "1,865"-----	1, 867. 161
Pozo, 14.1 miles east of, at foot of grade, north side of road, in root of large white-oak tree; copper nail, triangle scribed "U. S. 1,798"-----	1, 800. 69
Pozo, 14.9 miles east of, 200 feet west of branding corral, 40 feet from old adobe ruins, 200 feet southwest of road, in root of large white-oak tree; copper nail, triangle scribed "U. S. 1,725"-----	1, 727. 19
Avenal ranch house, 450 feet south of, south bank of creek, in large sandstone boulder; bronze tablet stamped "1,616"-----	1, 618. 376
Avenal ranch, 1.2 miles east of, creek forks, 50 feet south of old road, in root of white-oak tree; nail, triangle scribed "U. S. 1,811"-----	1, 811. 28
Avenal ranch, 2.3 miles east of, old road crosses saddle 40 feet west of road, in root of large white-oak tree; nail, triangle scribed "U. S. 2,096 B. M."-----	2, 096. 43
Avenal ranch, 3.5 miles east of, 10 feet north of trail, in bottom of telephone pole scribed "U. S. 2,177 B. M."; nail-----	2, 177. 39
Buckhorn ranch, 3 miles southwest of, 10 feet east of trail, in bottom of telephone pole; wire nail, "U. S. 3,003. B. M." on pole-----	3, 003. 96
Buckhorn ranch, 2.5 miles south of, at summit of mountain, 20 feet north of trail, 8 feet north of large white-oak tree, with triangle scribed "U. S. 3,455" in boulder; bronze tablet stamped "3,455"-----	3, 456. 165
Buckhorn ranch, 1 mile south of, at edge of brush on mountain, 15 feet south of trail, in root of white-oak tree; wire nail, triangle scribed "U. S. 2,284" on tree-----	2, 284. 53
Buckhorn ranch, 0.33 mile northeast of, at summit of hill, north side of road, 30 feet from road, in sandstone rock; bronze tablet stamped "2,140"-----	2, 140. 552
Carisa ranch, 2.8 miles west of, 1.2 miles east of Buckhorn ranch, 400 feet south of old fireplace, north bank of creek, in root of large white-oak tree; nail, triangle scribed "U. S. 1,861" on tree-----	1, 861. 22
Carisa ranch, 1.8 miles west of, 2.2 miles northeast of Buckhorn ranch, north of Carisa Creek, 100 feet east of San Juan River, south bank of creek, in top of post; wire nail, "U. S. 1,794 B. M." scribed on post-----	1, 794. 35
Carisa ranch house, 2,000 feet west of, 100 feet north of creek road, in sandstone ledge; aluminum tablet stamped "1,883"-----	1, 884. 121
Carisa ranch house, 0.3 mile east of, south side of panel gate, in post brace, scribed "U. S. 1,929" on post; nail-----	1, 929. 89
Goodwin ranch, 6.5 miles west of, creek bottom 200 feet west of where fence crosses Carisa Creek, 40 feet west of wire gate; wire nail in cedar fence post marked "U. S. 2,009 B. M."-----	2, 009. 80

Feet

Goodwin ranch, 5.8 miles south of, at spring, east tree of six, in root; wire nail, triangle on tree scribed "2,068 U. S."----- 2,068.83

From Nipomo quadrangle near Lanes east along highway to point near Avenal ranch

Huasna, 11 miles east of, 100 feet west of road forks, 20 feet west of road, in root of large white-oak tree; nail, triangle on tree, scribed "1,737"----- 1,739.81

Huasna, 12.7 miles east of, on top of mountain, 40 feet east of creek, in root of small white-oak tree; nail and washer, "U. S. 2,187" painted on tree----- 2,190.43

Huasna, 13.4 miles northeast of, near summit, in root of large white-oak tree, 40 feet west of road; nail, triangle painted "U. S. 2,525 B. M."----- 2,528.61

Huasna, 14.5 miles northeast of, road forks, 20 feet north of; chiseled and painted square on rock, painted "U. S. 2,521"----- 2,524.63

Huasna, 15.7 miles northeast of, 0.66 mile from p. b. m. east side of road, in root of small white-oak tree; nail and washer, painted "U. S. 2,056"----- 2,059.50

Huasna, 16.57 miles northeast of, near panel gate, at road forks; iron post stamped "1,865"----- 1,867.161

BRADLEY QUADRANGLE

[Latitude 35° 45'-36°; longitude 120° 45'-121°]

MONTEREY AND SAN LUIS OBISPO COUNTIES

Precise leveling by the U. S. Coast and Geodetic Survey in 1919

Southeast, along Southern Pacific R. R.

Feet

San Ardo, 5.4 miles southeast of, east head wall of cast-iron pipe culvert 188-B, 4 meters east of center line of track, railroad mileage 188.3; red metal disk (U. S. C. & G. S. b. m. G-23)----- 487.702

San Ardo, 6.5 miles southeast of, in base of target 1895, railroad mileage 189.5; Geological Survey bronze tablet stamped (U. S. C. & G. S. b. m. H-23)----- 492.945

Bradley, 4.7 miles northwest of, railroad mileage 191.2, in east end of north stone abutment of bridge 191-C, 4 meters east of center line of track; red metal disk (U. S. C. & G. S. b. m. I-23)----- 492.801

Bradley, 4 miles northwest of, railroad mileage 191.9, in west end of north stone abutment of bridge 191-E, 3 meters west of center line of track; surface within an outlined square on horizontal masonry or metal (U. S. C. & G. S. b. m. J-23)----- 496.820

Bradley, 2.4 miles northwest of, railroad mileage 193.5, center of "6" in "1916," west head wall of concrete culvert 193-D, 3 meters west of center line of track, surface within an outlined square on masonry or metal (U. S. C. & G. S. b. m. K-23)----- 505.193

Bradley, 0.8 mile north of, railroad mileage 195.1, center of "9" in "1916," east head wall of concrete box culvert 195-A, 3 meters east of track, 5 meters below, surface within an outlined square on horizontal masonry or metal (U. S. C. & G. S. b. m. L-23)----- 525.281

	Feet
Bradley, north edge of town, railroad mileage 195.9, in corner of line fence, 20 feet west of railroad, 1,000 feet north of grain shed, Geological Survey aluminum or bronze tablet set on iron post (U. S. C. & G. S. b. m. M-23)-----	540. 842
Bradley, 1.1 miles south of, railroad mileage 197.1, west end of north abutment of concrete culvert 197-A, 4 meters west of center line of track, 1.5 meters below; red metal disk (U. S. C. & G. S. b. m. N-23)-----	548. 549
Bradley, 1.8 miles southeast of, railroad mileage 197.8, east end of north abutment of concrete culvert 197-E, 3 meters east of center line of track, 5 meters below, surface within an outlined square on horizontal masonry or metal (U. S. C. & G. S. b. m. O-23)---	550. 370
Bradley, 2.8 miles southeast of, railroad mileage 198.7, south end of east stone abutment of culvert 198-A; chiseled square, marked "U. S." (U. S. C. & G. S. b. m. P-23)-----	546. 751

Primary leveling by L. F. Biggs in 1916. Corrected to agree with U. S. Coast and Geodetic Survey precise leveling of 1920 along same route

From Bradley southeast along Southern Pacific R. R. to point near San Miguel (double-rodged line)

Bradley, south edge of town, in corner of fence, 200 feet south of red section house; iron post stamped "552"-----	552. 693
Bradley, 1.0 mile southeast of, on west abutment of concrete under-track crossing 197-A; chiseled square, marked "U. S. 548" (U. S. C. & G. S. N-23)-----	548. 55
Bradley, 2.8 miles southeast of, on south end of east stone abutment of culvert 198-A; chiseled square, marked "U. S. 546" (U. S. C. & G. S. P-23)-----	546. 75
Bradley, 3.7 miles southeast of, on south end of east abutment of concrete culvert 199-B; chiseled square, marked "U. S. 549"---	549. 20
Bradley, 5.2 miles southeast of, on east end of north abutment of steel railroad bridge 200-B over Salina River; bronze tablet stamped "565 1 1916" (U. S. C. & G. S. Q-23)-----	565. 189
Nacimiento, west end of concrete culvert 201-B; chiseled square, marked "U. S. 579"-----	579. 16

Primary leveling by R. C. Seitz in 1917

From south border of quadrangle northwest along highway to Pleyto

Nacimiento River, 1.50 miles north of, southwest corner of box culvert; copper nail and washer, painted "U. S. 824 B. M."-----	824. 99
Nacimiento River, 2.16 miles north of, 1 mile south of Bee Rock School, 15 feet east of road, 0.28 mile south of summit of road, on rock 4 feet north of drain; chiseled mark, painted "U. S. 1,030 B. M."-----	1, 030. 40
Summit of road-----	1, 146. 2
Nacimiento River, 4.04 miles north of, 200 feet west of Bee Rock School, 100 feet east of road, on rock; aluminum tablet stamped "1,000 1917"-----	999. 685
Floor of bridge at forks of road at Bee Rock Hall, painted "926.6"---	920. 6
Bee Rock Hall, 0.30 mile west of, on large boulder on south side of road near west end of rock cliff; chiseled mark, painted "U. S. 996 B. M."-----	995. 76

	Feet
Bee Rock Hall, 1.66 miles west of, 6.08 miles south of Pleyto, north-west corner of floor of wooden bridge; copper nail and washer, painted "U. S. 1,121 B. M."-----	1, 121. 34
Pleyto, 5.19 miles south of, east end of small box culvert across road, at bend about 300 feet northeast of Edmond's house; copper nail and washer, painted "U. S. 1,141 B. M."-----	1, 146. 94
Pleyto, 3.87 miles south of, 1,300 feet north of wooden truss bridge, 20 feet east of road, top of large boulder; bronze tablet stamped "880 1917"-----	885. 426
Pleyto, 2.76 miles south of, 150 feet west of divide, in base of brace to corner fence post; copper nail and washer, painted "U. S. 1,102 B. M."-----	1, 107. 73
Pleyto, 2.69 miles south of, 200 feet east of divide, top of rock, 30 feet north of south end of rock outcrop; chiseled mark, painted "U. S. 1,054 B. M."-----	1, 059. 96
Pleyto, 1.09 miles south of, where drain crosses road at bend, in root of 18-inch live oak tree, 40 feet west of road; copper nail and washer, painted "U. S. 783 B. M."-----	788. 99
Pleyto, center of road, at forks, on red cobblestone; chiseled mark, painted "U. S. 722 B. M."-----	722. 40

From Pleyto north to point 12.1 miles southeast of Jolon

Pleyto, 0.29 mile north of, top of first pier from south end of east side of river bridge; aluminum tablet stamped "725 1917"-----	725. 349
Pleyto, 1.18 miles north of, 625 feet south of well in field, in root of 60-inch scrub-oak tree; copper nail and washer, painted "U. S. 807 B. M."-----	807. 46
Pleyto, 2.23 miles north of, east edge of road opposite old dilapidated house, on rock; chiseled mark, painted "U. S. 892 B. M."-----	892. 21
Pleyto, 3.15 miles north of, Jolon 12.1 miles southeast of, at base of hill, on west side of road, in telephone pole; spike, with aluminum tag stamped "1,008"-----	1, 008. 60

Primary leveling by W. O. Monahan in 1908

From point 3 miles southeast of San Ardo southeast along railroad to Bradley, thence northeast along highways

San Ardo, 4.3 miles southeast of, east of railroad, in telegraph pole; spike with aluminum tag stamped "461"-----	460. 90
San Ardo, 5.2 miles southeast of, east of railroad, in telegraph pole; spike with aluminum tag stamped "491"-----	490. 77
San Ardo, 6.5 miles southeast of, in base of target 1897; aluminum tablet stamped "1908-493-B" (C. & G. S. b. m. H ₂₂)-----	492. 945
San Ardo, 7.3 miles southeast of, west of railroad, in telegraph pole; spike with aluminum tag stamped "501"-----	500. 78
San Ardo, 8.21 miles southeast of, in foundation of relay post; spike with aluminum tag stamped "493"-----	492. 49
San Ardo, 9.2 miles southeast of, west of track, 100 feet from river bank, in telegraph pole; spike with aluminum tag stamped "507"-----	506. 39
San Ardo, 10.1 miles southeast of, in stone culvert under railroad; aluminum tablet stamped "504-B-1908"-----	503. 771
San Ardo, 11.35 miles southeast of, on west side of railroad, in telegraph pole; spike with aluminum tag stamped "518"-----	517. 65
San Ardo, 12.2 miles southeast of, east of railroad, in telegraph pole; spike with aluminum tag stamped "525"-----	524. 94

	Feet
Bradley, north edge of town, in corner of line fence, 20 feet west of railroad, 1,000 feet north of grain shed; iron post stamped "CAL-1908-541-B" (U. S. C. & G. S. b. m. M ₂₃)-----	540.842
Bradley, in front of station; top of rail marked "545"-----	545.5
Bradley, south edge of town, in corner of fence, 200 feet south of red section house; iron post stamped "552"-----	552.693
Bradley, 2.8 miles east of, north of road, in base of large oak tree; spike with aluminum tag stamped "743"-----	744.05

From Bradley west along highway 9 miles

San Ardo, 11.4 miles southeast of, west of railroad, in telegraph pole; spike with aluminum tag stamped "517"-----	517.65
Jolon, 21.8 miles southeast of, in barnyard of Ed Porter ranch, in large oak tree; spike with aluminum tag stamped "498"-----	498.81
Jolon, 20.9 miles southeast of, north of road, in telephone pole; spike with aluminum tag stamped "550"-----	550.74
Jolon, 19.9 miles southeast of, west of road, under large oak tree, 1,000 feet south of ranch house on east; iron post stamped "1908-CAL-597-B"-----	597.51
Jolon, 18.9 miles southeast of, west of road, 1,000 feet south of white patent wire gate leading to ranch on west, in telephone pole; spike with aluminum tag stamped "632"-----	632.87
Jolon, 17.2 miles southeast of, east of road, north of white barn at top of grade, in telephone pole; spike with aluminum tag stamped "742"-----	742.82
Jolon, 16.3 miles southeast of, east of road in angle, in telephone pole; spike with aluminum tag stamped "767"-----	767.41
Jolon, 12.1 miles southeast of, at base of hill, on west side of road, in telephone pole; spike with aluminum tag stamped "1008"-----	1,008.60
Jolon, 13 miles southeast of, east of road at summit of hill, in automobile danger signpost; spike with aluminum tag stamped "1121"-----	1,121.76
Jolon, 14 miles southeast of, west of road where road bends to east, in base of telephone pole; spike with aluminum tag stamped "971"-----	971.33
Jolon, 15.1 miles southeast of, west of road under small oak tree, 10 feet west of road; iron post stamped "1908-CAL-852-B"-----	853.997

CAYUCOS QUADRANGLE

[Latitude 35° 15'-35° 30'; longitude 120° 45'-121°]

SAN LUIS OBISPO COUNTY

Primary leveling by L. F. Biggs in 1916

From point 6.5 miles northwest of San Luis Obispo northwest along highways to Cayucos. (Leveled twice)

NOTE.—On account of the large discrepancy of 0.48 foot between this line and gage difference of elevation Morro to Cayucos the line was not adjusted to fit either but a mean correction was taken from the two gages.

San Luis Obispo, 8.0 miles northwest of, north end of concrete highway bridge, at Charley Walter's ranch house; bronze tablet stamped "133 23 1916"-----	133.330
--	---------

Feet

San Luis Obispo, 9.6 miles northwest of, west end of concrete bridge, opposite Banning School; chiseled square, marked "U. S. 104"-----	104.43
San Luis Obispo, 10.8 miles northwest of, north abutment of stone bridge over San Bernardo Creek; bronze tablet stamped "57 24 1916"-----	57.948
Cayucos, 7.0 miles south of, at forks of road to Morro, in base of corner fence post; spike-----	131.05
Morro, northwest corner of school yard, in concrete pier; bronze tablet (U. S. C. & G. S. b. m. 3 Elevation, given as 72.51 in letter of March 3, 1917, from Director of U. S. C. & G. S., determined by simultaneous comparison in 1916 with San Francisco)-----	72.726
Cayucos, 6.0 miles south of, northwest corner of bridge opposite Morro Rock; top of bolt, painted "U. S. B. M."-----	28.43
Cayucos 4.5 miles south of, west end of bridge; top of nail painted--	35.89
Atascadero, on west end of concrete culvert; kiel mark (U. S. C. E. b. m. 42.12)-----	40.30
Cayucos, 3.0 miles south of, concrete bridge over Toro Creek, in south end of east railing; bronze tablet stamped "20 25 1916"--	19.767
Cayucos, 1.2 miles south of, concrete bridge over creek at I. O. O. F. cemetery, top of northeast pier; chiseled square, marked "U. S. B. M."-----	24.63
Cayucos, bridge over creek in southeast part of town; top of concrete rail (U. S. C. & G. S. b. m. 4. Elevation 19.82)-----	19.495
Cayucos, east side of Main St., in concrete building of Tognini & Ghezzi's general store at south side of door leading to second story, in door sill (U. S. C. & G. S. b. m. 2. Elevation 17.59) established in 1916-----	17.298
Cayucos, main building of Central Creamery, southeast corner, 24 feet above foundation; tablet (U. S. C. & G. S. b. m. 1)-----	34.209

NOTE.—The elevation of this bench mark as determined by the U. S. C. & G. S. from two days' simultaneous comparisons in 1916 is 34.42, based upon 72.51 feet for bench mark 3, at Morro. See letter from U. S. C. & G. S., dated March 3, 1917. The value used, 34.209, is derived by Biggs's mean line corrected by a constant so as to close +0.212 at Morro and -0.211 at Cayucos.

Primary leveling by R. C. Seitz in 1917 and by L. F. Biggs in 1918

From Cayucos northwest along highways to San Simeon quadrangle. (Leveled twice)

Cayucos, southeast part of town; top of concrete rail of bridge over creek (U. S. C. & G. S. b. m. 4. Elevation 19.82)-----	19.495
---	--------

NOTE.—Value used, 19.495, was determined by Biggs's mean line with an average correction from Morro and Cayncos.

Cayucos, southeast corner of Central Creamery main building, 24 inches above foundation; brass tablet (U. S. C. & G. S. b. m. 1. Elevation 34.47 or 34.42 by two days' water comparison with Morro)-----	34.209
--	--------

NOTE.—Value used, 34.209, was determined by Biggs's mean line with an average correction from Morro and Cayncos.

	Feet
Cayucos, 1.23 miles northwest of, northeast of deserted cabin on coast, at west end of box culvert; copper nail and washer, painted "U. S. 57 B. M."-----	58. 11
Cayucos, 2.31 miles northwest of, on large boulder at bend of road, 15 feet east of road and on south side of most northerly pile of rocks; chiseled mark, painted "U. S. 61 B. M."-----	61. 40
Cayucos, 3.59 miles northwest of, one mark on large box culvert across road, another mark on top of low fence post, on south side of road, opposite box culvert; two copper nails and washers, painted "U. S. 34 B. M."-----	34. 19
Cayucos, 4.54 miles northwest of, 0.20 mile south of Villa Creek, 15 feet east and about 20 feet above road, on rock ledge; bronze tablet stamped "65 1917."-----	65. 024
Cayucos, 5.79 miles northwest of, near house, northeast corner of plank culvert; copper nail and washer, painted "U. S. 64 B. M."---	64. 35
Cayucos, 7.03 miles northwest of, 7.41 miles southeast of Cambria, at northwest corner of small wooden bridge, top of stone retaining wall; chiseled mark painted "149 U. S. B. M."-----	149. 04

CHOLAME QUADRANGLE

[Latitude 35° 30'-36°; longitude 120°-120° 30']

FRESNO, KERN, KINGS, MONTESEY, AND SAN LUIS OBISPO COUNTIES

Primary leveling by L. F. Biggs in 1908

From point 7.6 miles southwest of Somner's ranch to Somner's ranch

	Feet
Somner's ranch, 4.3 miles southwest of, west of road, on summit between Simmler and Somner's ranch; iron post stamped "2347" B 1908 23 B"-----	2, 347. 518
Somner's ranch, 1,000 feet east of house, on east bank of wash, in top of boulder; aluminum tablet stamped "1637 B 1908 24 B"---	1, 637. 560

From point 4.4 miles southeast of Orchard's well northwest via Dudley to Jones ranch

Orchard's well, 1.2 miles southeast of, 2,000 feet north of derrick, at junction of roads; iron post stamped "652 B 1908 41 B"-----	651. 748
Orchard's well, 1.4 miles northwest of, 3.8 miles southwest of Dudley, west of road, at junction; iron post stamped "613 B 1908 42 B"-----	613. 350
Dudley, 1.5 miles south of, east of road, at junction; iron post stamped "655 B 1908 43 B"-----	655. 539
Dudley, 0.4 mile north of, at crossroads, 5 feet north of section corner; iron post stamped "685 B 1908 44 B"-----	685. 729
Dudley, 3.9 miles north of, east of road; iron post stamped "535 B 1908 45 B." (Reported to have been disturbed, in letter from R. J. Reed, dated Oct. 24, 1910)-----	535. 435
Dudley, 6.6 miles north of, east of road; iron post stamped "572 B 1908 B 46." (Reported to have been disturbed, in letter from R. J. Reed, dated Oct. 24, 1910)-----	571. 952

	Feet
Anderson oil well, 1.8 miles southeast of, 0.5 mile north of cabin, at junction of roads, east of road; iron post stamped "666 B 1908 47 B"-----	665.608
Anderson oil well, 0.3 mile northwest of, south of road; iron post stamped "872 B 1908 48 B"-----	872.627
Jones ranch, 4.3 miles southeast of, 0.4 mile north of ranch house, west of road, 100 feet north of junction; iron post stamped "1171 B 1908 49 B"-----	1,171.107
Jones ranch, 1.6 miles southeast of, east of road; point on rock painted "1047 B. M. 109"-----	1,046.75
Jones ranch, 500 feet west of house, at fence corner; iron post stamped "1062 B 1908 50 B"-----	1,061.593

Primary leveling by R. C. Seitz in 1917

From west border along highways northeast to Parkfield, thence west to west border

Parkfield, 6.96 miles south of, 20 feet south of creek where road crosses creek the last time before ascending to summit, in white rock 100 feet west of road; bronze tablet stamped "1,834 1917"---	1,837.672
Parkfield, 5.96 miles south of, in fence corner, opposite upper end of split in road, in base of 18-inch oak tree; spike, painted "U. S. 2,247 B. M."-----	2,249.82
Parkfield, 5.09 miles southwest of, in gap at summit, 30 feet east of road; iron post stamped "2,510 1917"-----	2,509.722
Parkfield, 4.0 miles southwest of, on east edge of road, in root of 14-inch oak tree; roofing nail, painted "U. S. 2,138 B. M."-----	2,137.33
Parkfield, 3.14 miles southwest of, in base of spliced telephone pole, on north side of road; spike, painted "U. S. 1,893 B. M."-----	1,892.96
Parkfield, 2.30 miles southwest of, at south end of small box culvert across road, top of plank; roofing nail, painted "U. S. 1,656 B. M."-----	1,659.03
Parkfield, 2.00 miles (by road) southwest of, at west end of straight stretch of road, at point where road starts to summit, near north fence; iron post stamped "1,525 1917"-----	1,525.120
Parkfield, 1.10 miles (by road) west of, on south side of road, 500 feet west of Emma S. King's house, in base of telephone pole; spike, painted "U. S. 1,537 B. M."-----	1,539.58
Parkfield, 2.00 miles west of, on north side of road, opposite C. P. Gould's house (Oak Spring stock farm), in base of fencepost; spike, painted "U. S. 1,633 B. M."-----	1,636.10
Parkfield, 3.03 miles west of, on south side of road, at bend just west of small cabin, 40 feet east of drain, on 5-inch stove pipe filled with concrete; bronze tablet, stamped "1,776 1917"-----	1,776.589
Parkfield, 4.10 miles west of, 400 feet west of 60-inch oak tree that stands in center of roadway, in base of telephone pole; spike painted "U. S. 1,818 B. M."-----	1,823.60
Parkfield, 4.6 miles west of, at Innesdale ranch, at base of gate; top of rock-----	1,847.14

Primary leveling by Gerald Fitz Gerald in 1919

From point north of Cammatti ranch in Pozo quadrangle along highways north,
and west into Paso Robles quadrangle

Feet

NOTE.—This is part of an unadjusted line from Cammatti ranch closed 2.213 feet low upon adjusted elevation 2 miles northeast of Union. Low line should be releveled.

Shandon, 13.1 miles southeast of, 2.2 miles southeast of Canyon ranch, 20 feet west of road, in top of quarter-section stake, painted "1,284 U. S. B. M."; nail-----	1, 285. 230
Shandon, 11.7 miles southeast of, house and windmill, on northeast corner of concrete water tank, painted "U. S. 1,257 B. M."; chiseled square-----	1, 258. 351
Canyon ranch house, in center of yard, 300 feet north of house, in southeast corner of concrete trough; aluminum tablet stamped "1,218"-----	1, 219. 145
Shandon, 9.4 miles southeast of, 1 mile west of Canyon ranch, panel gate, on west post brace; copper nail, "U. S. 1,197 B. M." painted on gate-----	1, 198. 017
Shandon, 8.3 miles southeast of, 2.3 miles northwest of Canyon ranch, in grove of trees, east side of road, in root of tree, "1,159" painted on tree; nail-----	1, 160. 680
Shandon, 6.9 miles east of, at ranch house, in northeast corner of barn, in concrete foundation; aluminum tablet stamped "1,152"-----	1, 153. 227
Shandon, 3.9 miles east of, in front of Alliance schoolhouse, northwest corner of water trough, in top of frame, "U. S. 1,128 B. M." painted on frame; nail-----	1, 129. 576
Shandon, 3.3 miles east of, at sharp turn in road, fence corner, in post brace, painted "U. S. 1,121 B. M."; nail-----	1, 123. 049
Shandon, 2 miles east of, in brace at southeast corner of wooden bridge, nail, painted "U. S. 1,101"-----	1, 102. 237
Shandon, 0.9 mile east of, crossroads, in southeast corner post, on post brace, rail painted "U. S. 1,038 B. M."; nail-----	1, 039. 583
Shandon, east edge of town, in southeast concrete abutment of steel bridge; aluminum tablet stamped "1,023"-----	1, 024. 653
Shandon, 1.1 miles west of, at summit of small grade; nail in post, scribed "1,049 U. S."-----	1, 050. 499
Shandon, 2.1 miles west of, T road, 1,200 feet northwest of river crossing, 50 feet south of highway, 10 feet north of pole; iron post stamped "995"-----	996. 589
Shandon, 3.3 miles west of, at farmhouse, red gate, south side of road, in post brace; nail; "U. S. 998 B. M." painted on gate-----	999. 303
Shandon, 4.2 miles west of, panel gate, south side of road; nail in brace, "U. S. 970 B. M." painted on gate-----	970. 931
Shandon, 5.1 miles west of, 200 feet west of water trough, in fence corner; iron post stamped "959"-----	959. 988
Shandon, 6.5 miles west of, at summit of hill, panel gate, nail in post brace, "U. S. 1,045 B. M." painted on gate-----	1, 046. 205
Shandon, 7.4 miles west of, on hill top, 300 feet east of bend in road; nail in pole-----	972. 435

LA PANZA QUADRANGLE

[Latitude 35° 15'-35° 30'; longitude 120°-120° 15']

SAN LUIS OBISPO COUNTY

Primary leveling by L. F. Biggs in 1908

From Simmler northwest to point 7.6 miles southwest of Somner's ranch		Feet
Simmler, 4.7 miles northwest of, 20 feet west of well at fence corner; iron post stamped "2040 B 1908 21 B"-----		2, 040. 28
Simmler, 8.9 miles northwest of, southwest corner of sec. 35, T. 28 N., R. 17 E., 1 mile north of house with red roof; iron post stamped "2094 B 1908 22 B"-----		2, 094. 440

Primary leveling by N. E. Ballmer in 1918

From Pozo quadrangle east along highways to Simmler quadrangle

La Panza, 0.99 mile west of, 400 feet east of creek crossing, on north side of road, in base of oak tree; spike, "U. S. B. M. 2,127" painted on oak tree-----	2, 128. 48
La Panza post office, 500 feet east of, on south side of road, 8 feet from watering trough on rock; chiseled square, "U. S. B. M. 1,874" painted on big oak tree-----	1, 876. 14
La Panza post office, 500 feet east of, south side of road, 8 feet from watering trough; aluminum tablet stamped "1,874"-----	1, 876. 267
La Panza, 0.96 mile east of, 750 feet west of second-class road turning north, on south side of road, on rock; chiseled square, "U. S. B. M. 1,706" painted on fence post-----	1, 708. 02
La Panza, 1.98 miles east of, 110 feet south of road, 600 feet west of square turn to north, in base of big white-oak tree; spike, "U. S. B. M. 1,640" painted on big white-oak tree-----	1, 642. 09
La Panza, 3.06 miles east of, 0.54 mile west of La Panza ranch gate, 80 feet north of road, in base of big white-oak tree; spike; "U. S. B. M. 1,582" painted on big white-oak tree-----	1, 583. 43
La Panza, 3.57 miles east of, opposite gate to La Panza ranch, in center of road; "U. S. B. M." painted on gate-----	1, 542. 74
La Panza, 4.20 miles east of, on north side of road, in brace of fence post; spike, "U. S. B. M. 1,510" painted on fence post-----	1, 511. 63
La Panza, 4.68 miles east of, 66 feet west of bridge crossing San Juan River, on south side of road; 3-inch iron post stamped "A. T. Co. El. 1,482 Sta. 2652" iron post stamped "1477"; "U. S. B. M. 1,478" painted on fence post-----	1, 479. 413
La Panza, 5.76 miles east of, 1.08 miles east of San Juan bridge, on south side of road, in base of small juniper tree; spike, "U. S. B. M. 1,738" painted-----	1, 739. 65
La Panza, 6.78 miles east of, 100 feet west of highway sign, on south side of road, in small juniper tree; spike, painted "U. S. B. M. 1,891"-----	1, 893. 37
La Panza, 7.89 miles east of, 7.20 miles west of Simmler, 100 feet north of summit of road, in top of sawed-off post; spike, "U. S. B. M. 2,100" painted on fence post-----	2, 102. 02

	Feet
La Panza, 7.89 miles east of, 7.20 miles west of Simmler, north side of road at summit, 60 feet from t. b. ca. on post; iron post stamped "2,100"-----	2, 101. 866
Simmler, 6.42 miles west of, at second-class road north, in center of road; "2,046" painted on fence post-----	2, 048. 02
Simmler, 6.09 miles west of, 500 feet east of highway sign, on north side of road, in base of fence post; spike, painted "U. S. B. M. 2,032"-----	2, 033. 68
Simmler, 5.63 miles west of, at angle in fence, on north side of road, in corner post; spike, painted "U. S. B. M. 2,020"-----	2, 021. 76
Simmler, 4.40 miles west of, 0.40 mile west of T road north, 100 feet south of road; 1½-inch iron rod 1½ feet long, buried 6 inches, a 2-foot square of sod removed, pile of earth with tin can in center over point-----	2, 013. 74
Simmler, 3.51 miles west of, 50 feet west of t. b. m. on sign post; iron post stamped "2,012"-----	2, 014. 651
Simmler, 3.51 miles west of, at fork of road to southeast, in south side of sign post; spike, painted mark around spike (no elevation painted)-----	2, 013. 52
Simmler, 1.00 mile west of, at section corner of secs. 35, 36, 1, and 2, on north side of road, in base of corner fence post; spike, "U. S. B. M. 2,002" painted on large gate post-----	2, 003. 79
Simmler, 250 feet north of post office, 50 feet south of old mill, T. 30 S., R. 19 E., northwest corner; iron post stamped "2,047 B 1908 20 B" (2,046.783=Bull. 481, p. 93 value) in Simmler quadrangle-----	2,047. 283

NIPOMO QUADRANGLE

[Latitude 35°-35° 15'; longitude 120° 15'-120° 30']

SAN LUIS OBISPO COUNTY

Primary leveling by H. S. Crowe in 1901

From east border of quadrangle west and southwest to Suey ranch	Feet
Wasioja post office, 37.4 miles west of, 2.2 miles west of fence across road on line between Suey and Dutch ranches, 20 feet west of road, on flat, on second bench above river; iron post stamped "705 L. A."-----	708. 651
Wasioja post office, 38.5 miles west of, 40 feet west of road where road runs on bench above river, on notch cut in live-oak tree 42 inches in diameter; 20-penny wire nail-----	673. 37
Wasioja post office, 42.2 miles west of, 4 feet south of gate post in fence on Suey ranch, 0.25 mile east of Alamo Creek crossing; iron post stamped "562 L. A."-----	565. 704
Alamo Creek; water surface-----	550. 9
Suey Hill, summit of; center of wagon road-----	582. 9

Primary leveling by Gerald Fitz Gerald in 1918

From Suey ranch north along highways to Huasna

Suey ranch house, at entrance to grounds, 8 feet east of gate post, at junction of fence lines, 20 feet west of center of road; iron post stamped "377 L. A." (in Lompoc quadrangle)-----	380. 167
---	----------

	Feet
Santa Maria, 5.1 miles north of, on highway through Suey ranch, at panel gate, 5 feet south of road center; chiseled rock, "U. S. B. M. 435" painted on fence-----	438. 38
Santa Maria, 6.6 miles north of, on highway through Suey ranch, at road forks, 12 feet northeast of road, in root of 14-inch oak tree; copper nail and washer, triangle scribed "584," aluminum tag stamped "584"-----	586. 83
Santa Maria, 7.2 miles north of, on highway through Suey ranch, at summit of hill, at line fence, 25 feet southeast of panel gate, 2 feet northeast of fence; iron post stamped "879 1918"-----	882. 398
Santa Maria, 8.5 miles north of, on Cuyama road, 15 feet from road, in root of 3.5-foot oak tree; copper nail and washer, triangle on tree scribed "650," aluminum plate stamped "650"-----	653. 05
Santa Maria, 8.7 miles north of, on west bank of Cuyama River, 800 feet north of where road drops into river, 15 feet from bank, in root of large oak tree; copper nail and washer, triangle scribed "533," aluminum tag stamped "533"-----	535. 67
Santa Maria, 9.4 miles northeast of Cuyama road, road forks, 6 feet above road, on southeast river bank, in root of 2.5-foot live-oak tree; copper nail and washer, triangle on tree scribed "541," aluminum tag stamped "541"-----	544. 41
Santa Maria, 10.7 miles north of, on north bank of Huasna Creek, 60 feet south of where road crosses creek, in root of 18-inch cottonwood tree; copper nail and washer, triangle on tree scribed "549," aluminum plate stamped "549"-----	551. 72
Santa Maria, 12.5 miles north of, on Huasna Creek road, on north bank of creek, at line fence in panel gate, in root of cottonwood tree; copper nail and washer, triangle on tree scribed "576," aluminum tag stamped "576"-----	578. 76
Santa Maria, 13.5 miles north of, at C. Adams's ranch, 350 feet north of ranch house, 40 feet north of road, on ledge; bronze tablet stamped "607"-----	610. 489
Santa Maria, 14.0 miles north of, 0.6 mile north of Adams ranch house, east side of road, in root of large oak tree; copper nail and washer-----	618. 74
Santa Maria, 15.8 miles north of, 50 feet from north bank of creek where road crosses, in root of 2-foot white-oak tree; copper nail and washer, triangle on tree painted "623," aluminum plate stamped "623"-----	626. 14
Santa Maria, 16.6 miles north of, on Huasna Creek road, at Abe Porter's ranch house, 150 feet west of road, on concrete entrance to red garage, north end; bronze tablet stamped "649"-----	651. 785
Huasna, 2.7 miles south of, west bank of creek, in root of large white-oak tree, north side of panel gate; copper nail and washer, triangle on tree scribed "681," aluminum plate stamped "681"-----	684. 37
Huasna School, 1.8 miles south of, 150 feet east of deserted farmhouse, on west side of road, on root of lone white-oak tree; copper nail and washer-----	767. 28
Huasna school, 1.1 miles south of, in front of Brown farm, north side of road, in root of white-oak tree; copper nail, painted "744"-----	747. 33
Huasna School, northeast corner of schoolhouse, in concrete foundation; bronze tablet stamped "772"-----	774. 772

Primary leveling by Gerald Fitz Gerald in 1919

From point east of Arroyo Grande in Arroyo Grande quadrangle east along highways to Huasna

	Feet
Arroyo Grande, 6.4 miles east of, in root of large live-oak tree 5 feet east of road; copper nail, triangle on tree marked "363"-----	364.20
Arroyo Grande, 7.9 miles south of, in root of large white-oak tree, 5 feet south of road; copper nail and washer, triangle on tree scribed "434"-----	435.17
Arroyo Grande, 9.1 miles east of, at private road leading into Tar Springs ranch house, 200 feet east of panel gate, on main road, in root of large white-oak tree; copper nail and washer, scribed "U. S. 545"-----	545.99
Arroyo Grande, 10.5 miles east of, near foot of grade, in root of twin live-oak trees, 5 feet north of road; copper nail and washer, tree scribed "726"-----	727.18
Arroyo Grande, 11.6 miles east of, summit of grade, in root of live-oak tree, 15 feet south of road; copper nail and washer, triangle scribed "U. S. 1,006"-----	1,006.99
Arroyo Grande, 12.3 miles east of, 0.8 mile west of Huasna School, at road forks, on gate brace; copper nail and washer, aluminum tag on post stamped "808," post scribed "808"-----	808.75
Huasna School, northeast corner of building; bronze tablet stamped "772"-----	774.772

From Huasna northeast along highways into Avenal quadrangle

Huasna School, northwest corner of building; aluminum tablet stamped "772"-----	774.772
Huasna School, 0.8 mile north of, at foot of grade, on north end of wooden culvert; nail, north end painted "U. S. 881 B. M."-----	884.38
Huasna School, 1.2 miles north of, at summit; oak tree 40 feet south of gate scribed "1,081"-----	1,083.73
Huasna, 3 miles north of, T. Porter's red barn, northwest corner, on top of concrete wall; aluminum tablet stamped "787.034"-----	789.675
Huasna, 4 miles north of, at sharp turn in road, in corner post brace; nail, "U. S. 802 B. M." painted on post-----	804.58
Huasna, 5.7 miles northeast of, at old forks, in fence line on north side of road, in root of live-oak tree, nail and washer, triangle on tree scribed "885"-----	887.77
Huasna, 6.3 miles northeast of, 800 feet northeast of farmhouse, north side of road; aluminum tablet set in rock, stamped "944"-----	947.19
Huasna, 6.8 miles northeast of, 200 feet east of Mrs. Hallway's house, 30 feet south of fence; aluminum tablet stamped "974"-----	976.526
Huasna, 8 miles east of, 25 feet east of wire gate, 90 feet from creek crossing, on large sandstone rock; painted point, rock painted "U. S. B. M. 1,091"-----	1,093.55
Huasna, 9 miles east of, 200 feet north of Montgomery ranch house, 10 feet north of road, in root of twin cottonwood tree; nail, triangle on tree scribed "U. S. 1,205"-----	1,204.34
Huasna, 10 miles east of, 500 feet northwest of Lane's farmhouse, 30 feet north of fence corner, 8 feet south of road, in boulder; aluminum tablet stamped "1,448"-----	1,451.217

Primary leveling by Gerald Fitz Gerald in 1918-1919

From Huasna north along highways into Pozo quadrangle. (Part of an unadjusted line closing +1.104 feet upon adjusted elevation at Pozo. This line should be releveled)

	Feet
Huasna, 1.4 miles north of, on road to Musick, 1 mile south of Park's ranch house, east side of road, on brace of gate; copper nail and washer, aluminum tag stamped "821," fence painted "U. S. 821 B. M."-----	823. 808
Huasna, 3 miles north of, at ranch Huasna, 300 feet north of ranch house, at southeast corner of big barn, 2.5 feet from barn, in concrete post; bronze tablet stamped "919"-----	921. 716
Huasna School, 4 miles north of, on north line fence of Parks ranch, panel gate; copper nail and washer, on gate painted "1,082," aluminum tag stamped 1,082"-----	1, 084. 791
Musick, 3.4 miles south of, at Mrs. Hasbrok's vineyard, 350 feet west of house, on large live-oak tree; copper nail and washer, on post, triangle scribed "902," aluminum tag stamped "902"-----	904. 405
Musick post office, 2.4 miles south of, 150 feet west of deserted farmhouse, 20 feet north of road, in root of large oak tree; copper nail, triangle on tree scribed "815," aluminum tag stamped "815"-----	817. 856
Musick post office, 1.2 miles south of, 300 feet north of road forks, 6 feet west of water trough, in root of large sycamore tree; copper nail, triangle on tree scribed "708," aluminum tag stamped 708"-----	711. 054
Musick post office, 40 feet west of, southeast corner of Mrs. Hasbrok's house; bronze tablet stamped "844"-----	846. 825
Musick, 1.1 miles north of, at road forks, in root of large oak tree, 5 feet from road; copper nail, triangle on tree scribed "944," aluminum tag stamped "944"-----	946. 099
Musick, 2.2 miles north of, at summit, in root of live-oak tree, 35 feet south of gate; copper nail, triangle scribed "1,417," aluminum tag stamped "1,417"-----	1, 420. 428
Musick, 3.5 miles north of, 100 feet north of sharp turn in Salt Creek, 15 feet from road, in root of live-oak tree; copper nail, triangle on tree scribed "1,387," aluminum tag stamped "1,387"-----	1, 389. 771
Musick, 5.2 miles north of, 1,000 feet north of summit, 30 feet east of gate, 2 feet south of fence; iron post stamped "1,850"-----	1, 852. 802

PASO ROBLES QUADRANGLE

[Latitude 35° 30'-35° 45'; longitude 120° 30'-120° 45']

SAN LUIS OBISPO COUNTY

Precise leveling by the U. S. Coast and Geodetic Survey in 1919

South along Southern Pacific R. R.

	Feet
San Miguel, 0.9 mile south of, railroad mileage 207.9, east end of concrete culvert 207-F; chiseled square of United States Geological Survey, marked "U. S. B. M. 622" (U. S. C. & G. S. b. m. Z-23)-----	622. 607
San Miguel, 2 miles south of, railroad mileage 208.9, east end of concrete culvert 208-H; chiseled square of United States Geological Survey marked "U. S. B. M. 642" (U. S. C. & G. S. b. m. A-24)-----	642. 528

	Feet
San Miguel, 2.4 miles south of, railroad mileage 209.4, near railroad bridge 209-C, south abutment of steel highway bridge; United States Geological Survey bronze tablet stamped "635 4 1916" (U. S. C. & G. S. b. m. B-24)-----	635. 543
San Miguel, 2.9 miles south of, on concrete culvert 209-F, east end of south abutment, 4 meters east of center line of track, 0.7 meter below track, railroad mileage 209.9; red-metal disk on cement (U. S. C. & G. S. b. m. C-24)-----	646. 954
Wellsona, railroad mileage 210.9; east end of concrete culvert 210-E; chiseled square marked "U. S. 661" (U. S. C. & G. S. b. m. D-24)-----	671. 219
San Miguel, 5 miles south of, west head wall of highway culvert, south of cattle guard 212A-B, 15 meters west of center line of track, level with track, railroad mileage 212.0; surface within an outlined square on horizontal masonry or metal (U. S. C. & G. S. b. m. E-24)-----	670. 130
Paso Robles, 3.4 miles north of, railroad mileage 212.7, east end of south abutment of concrete under-track crossing 212-H; Geological Survey bronze tablet stamped "683 5 1916" (U. S. C. & G. S. b. m. F-24)-----	683. 693
Paso Robles, 2.5 miles north of, west end of concrete culvert 213-B; Geological Survey chiseled square, marked "U. S. 682" (U. S. C. & G. S. b. m. G-24)-----	682. 305
Paso Robles, 1.8 miles north of, railroad mileage 214.2, near city limit signboard, west end of concrete culvert 214-B; Geological Survey chiseled square, marked "U. S. 692" (U. S. C. & G. S. b. m. H-24)-----	692. 171
Paso Robles, 1.1 miles north of, railroad mileage 215.2, west head wall of concrete box culvert 215-A, 5 meters west of center line of track, 1 meter below track; red-metal disk set in cement (U. S. C. & G. S. b. m. I-24)-----	712. 348
Paso Robles, intersection of Southern Pacific R. R. with Thirteenth Street, railroad mileage 215.9, west end of concrete culvert 2159; Geological Survey bronze tablet stamped "715 6 1916" (U. S. C. & G. S. b. m. J-24)-----	715. 287
Paso Robles Public Library, at main entrance to reading room, top of east pillar; United States Geological Survey bronze tablet stamped "740 7 1916" (U. S. C. & G. S. b. m. K-24)-----	739. 999
Paso Robles, Municipal Bath House, east footing of main entrance; red-metal disk set on cement (U. S. C. & G. S. b. m. L-24)-----	728. 811
Paso Robles, 1.2 miles south of, railroad mileage 217.0, opposite semaphore 217.1, east end of concrete highway culvert; chiseled square, marked "U. S. 720" (U. S. C. & G. S. b. m. N-24)-----	719. 864
Paso Robles, 1.2 miles south of, west head wall of concrete box culvert 217-B, 4 meters west of track, 1 meter below track, railroad mileage 217.5; surface within an outlined square on masonry (U. S. C. & G. S. b. m. O-24)-----	720. 950
Paso Robles, 2.0 miles south of, railroad mileage 218.3, west end of concrete culvert; chiseled square, marked "U. S. I 29" (U. S. C. & G. S. b. m. P-24)-----	729. 434
Paso Robles, 2.6 miles south of, east head wall of concrete box culvert 248-F, 4 meters east of center line of track, 1 meter below	

	Feet
track, railroad mileage 218.9; red-metal disk set in cement (U. S. C. & G. S. b. m. Q-24)-----	731. 570
Paso Robles, east end of south abutment of Salinas River bridge, 230 meters north of railroad; red-metal disk on cement (U. S. C. G. S. b. m. M-24)-----	701. 062
Paso Robles, 3.6 miles south of, 250 feet south of road crossing 219B-D, east end of concrete culvert 219-E; Geological Survey bronze tablet stamped "734 8 1916" (U. S. C. & G. S. b. m. R-24)-----	733. 945
Templeton, 1.8 miles north of, at mileage 219.8, on south end of concrete railroad culvert 219-H, east of the right of way and about half a meter below the elevation of track; red-metal disk set in cement (U. S. C. & G. S. b. m. S-24)-----	750. 907
Templeton, 2,000 feet south of station, near south end of heavy cut at mileage 222.1, in north abutment of steel highway bridge, about 100 feet east of track, at elevation of bridge roadway on west side; red metal disk (U. S. C. & G. S. b. m. T-24)-----	769. 631
Templeton, 0.8 mile south of, at mileage 222.5, in sandstone railroad culvert, on east side of track and south end of culvert; bench mark in top of rounded knob (U. S. C. & G. S. b. m. U-24)----	773. 483
Templeton, 1. 4 miles south of, at railroad mileage 223.2, a Geological Survey bronze tablet in center cylinder pier of steel highway bridge parallel to tank opposite, railroad bridge 223-A, plate is on north side of roadway (U. S. C. & G. S. b. m. V-24)-----	774. 401
Asuncion, 0.5 mile south of, at railroad mileage 225.5, plate set in edge of concrete reservoir at the northwest corner, reservoir is about 20 meters east of track and about 2 meters below elevation of it (U. S. C. & G. S. b. m. W-24)-----	821. 265

Primary leveling by R. C. Seitz in 1917

From San Miguel along highways southeast to Estrella bridge, thence north-east to north border of quadrangle

San Miguel, 2.30 miles (by road) southeast of, right angle bent in road, on east side of road, in base of telephone pole; spike, painted "U. S. 673 B. M."-----	673. 87
San Miguel, 3.30 miles southeast of, 200 feet west of small wooden bridge, near fence on south side of road; iron post stamped "677 1917"-----	677. 040
San Miguel, 4.30 miles southeast of, 250 feet south of small wooden bridge, on east side of road, in base of telephone pole; spike, painted "U. S. 660 B. M."-----	660. 51
San Miguel, 5.20 miles southeast of, 100 feet north of bend in road, at R. J. Farnell's house, in base of telephone pole; spike, painted "U. S. 713 B. M."-----	713. 55
San Miguel, 6.30 miles southeast of, 2.53 miles west of Estrella Bridge, northwest angle at T road north; iron post stamped "707 1917"-----	707. 255
Estrella Bridge, 1.53 miles west of, at bend in road about 0.5 mile south of cemetery, in base of telephone pole; spike, painted "U. S. 756 B. M."-----	756. 26
Estrella Bridge, 0.82 mile west of, at bend in road at entrance to ranch, in base of telephone pole; spike, painted "U. S. 772 B. M." (erroneously painted)-----	742. 75

	Feet
Estrella Bridge, top of coping at northeast corner; bronze tablet stamped "724 1917"-----	721. 217
Estrella Bridge, 1.33 miles northeast of, T road north, top of brace post on south side of road; roofing nail, painted "U. S. 832 B. M."-----	831. 92
Estrella Bridge, 2.35 miles north of, on north side of road, in base of fence post; spike, painted "U. S. 880 B. M."-----	883. 78
Estrella Bridge, 3.10 miles northeast of, 100 feet south of creek crossing, 25 feet east of road, on private road east; iron post stamped "933 1917" (reset and remarked by L. F. Biggs in 1918)-----	933. 278
Estrella Bridge, 4.20 miles north of, 1.1 miles north of road forks, creek skirts road, on east side of road, in base of telephone pole; spike, painted "U. S. 1,005 B. M."-----	1,004. 94

Primary leveling by R. C. Seitz in 1917 and L. F. Biggs in 1918

From Paso Robles west along highways to west border of quadrangle
(leveled twice)

Paso Robles, in northwest part of town, on east side of City Side ranch, top of northeast corner of concrete culvert across street; chiseled mark, painted "U. S. 760 B. M."-----	760. 15
Forks of road-----	808
Paso Robles, 2.00 miles west of, 20 feet north of road, at southeast corner of Morris Van Wormer's orchard, in root of live-oak tree; copper nail and washer, painted "U. S. 955 B. M."-----	933. 44
Paso Robles, 3 miles west of, east side of road, in triangle at forks, in root of tree; copper nail and washer, not painted-----	1,012. 02
Paso Robles, 3 miles west of, on west side of triangle at forks of road; iron post stamped "1,019 1917"-----	1,018. 892
Paso Robles, 3.96 miles west of, southeast corner of watering trough; copper nail and washer, painted "U. S. 1,189 B. M."-----	1,189. 27

From Paso Robles along highways south and east to Geneseo, thence north to Estrella bridge

Paso Robles, junction of Thirteenth Street with Southern Pacific R. R., west end of concrete culvert 215-S; bronze tablet stamped "715 6 1916" (U. S. C. & G. S. J-24)-----	715. 237
Paso Robles, 1.24 miles southeast of, road forks, in base of high-power line pole No. 531; spike, painted "U. S. 745 B. M."-----	744. 87
Paso Robles, 1.90 miles southeast of, at road east to Shandon and Creston, in base of high-power line pole No. 543; spike, painted "U. S. 745 B. M."-----	745. 48
Paso Robles, 2.97 miles southeast of, 1 mile east of river road, near north fence line, 40 feet north of 30-inch oak tree; iron post stamped "808 1917"-----	808. 092
Paso Robles, 3.71 miles southeast of, T road north, in base of telephone pole; spike, painted "U. S. 843 B. M."-----	843. 74
Private road east-----	860. 0
Paso Robles, 4.95 miles southeast of, 75 feet east of line fence, on south side of road, in base of telephone pole; spike, painted "U. S. 881 B. M."-----	881. 04

	Feet
Paso Robles, 6.47 miles southeast of, east end of "wide spot" in road, 30 feet south of road, 15 feet southwest of 30-inch oak tree; iron post stamped "935 1917"-----	935. 629
Paso Robles, 7.60 miles southeast of, in front of ranch house, on top of concrete coping at north end of culvert; chiseled mark, painted "U. S. 963 B. M."-----	962. 94
Paso Robles, 8.60 miles southeast of, 0.38 mile west of Linne post office, top of concrete coping at north end of culvert; chiseled mark, painted "U. S. 1,031 B. M."-----	1, 031. 51
Paso Robles, 9.58 miles southeast of, 0.85 mile west of Geneseo, in base of corner fence post; spike, painted "U. S. 1,074 B. M."--	1, 073. 62
Paso Robles, 10.43 miles southeast of, at Geneseo, in northeast angle of crossroads; iron post stamped "1,014 1917"-----	1, 014. 323
Geneseo, 1 mile north of, 200 feet east of Huero Huero Creek, on north side of road, in root of large spreading cottonwood tree; roofing nail, painted "U. S. 933 B. M."-----	932. 96
Geneseo, 2.05 miles northwest of, in north angle at T road north-east, in root of large oak tree; roofing nail, painted "U. S. 905 B. M."-----	904. 81
Geneseo, 2.87 miles northwest of, 0.46 mile south of summit of road, on east side of road; in base of stump; roofing nail, painted "1,043 B. M."-----	1, 045. 00
Geneseo, 3.33 miles northwest of, 2.20 miles south of Union, 30 feet east of road at summit; iron post stamped "1,200 1917"-----	1, 200. 059
Union, 1.35 miles south of, 150 feet north of L. Lauridson's house, on east side of road, in base of corner fence post; spike, painted "U. S. 1,038 B. M."-----	1, 038. 15
Union, at southeast corner of schoolyard; iron post probably stamped "1,025 1919" (reset by G. Fitz Gerald 1919)-----	1, 028. 147
Union, 0.95 mile east of, on east side of road, in base of telephone pole; spike, painted "U. S. 1,069 B. M."-----	1, 068. 68
Union, 1.95 miles east of, in front of George Blancott's house, on south side of road, in telephone pole; spike, painted "U. S. 995 B. M."-----	994. 96
Union, 3.00 miles east of, about 0.75 mile northwest of Fifteen-mile Bridge, in fence corner on south side of road; iron post stamped "1,008 1917" (reset and restamped by L. F. Biggs in 1918)-----	1, 008. 071
Estrella Bridge, 6 miles southeast of, on east side of road, in base of 48-inch live-oak tree; spike, painted "U. S. 853 B. M."-----	849. 96
Estrella Bridge, 5 miles southeast of, at south side of whitewashed gate on east side of road, in base of fence post; spike, painted "U. S. 813 B. M."-----	813. 19
Estrella Bridge, 3.70 miles southeast of, southeast corner of yard at Phillips School; iron post stamped "804 1917" (reset and restamped by L. F. Biggs in 1918)-----	804. 532
Estrella Bridge, 2.65 miles southeast of, on south side of road opposite gate and near mail box, in base of fence post; spike, painted "U. S. 769 B. M."-----	769. 01
Estrella Bridge, 1.90 miles southeast of, in base of telephone pole and fence post; spike, painted "U. S. 755 B. M."-----	754. 77
Estrella Bridge, 0.70 mile southeast of, at entrance to G. E. Withrow's ranch, in base of west gate post; spike, painted "U. S. 731 B. M."-----	731. 04

Primary leveling by L. F. Biggs in 1916. Corrected to agree with U. S. C. & G. S. precise leveling over same route

From point near San Miguel south along Southern Pacific R. R. to Asuncion
(double-rodde line)

	Feet
San Miguel, 0.9 mile south of, east end of concrete culvert 207-F; chiseled square, marked "U. S. 622" (U. S. C. & G. S. B-24)-----	622. 61
San Miguel, 2.0 miles south of, east end of concrete culvert 208-H; chiseled square, marked "U. S. 642" (U. S. C. & G. S. A-24)---	642. 53
San Miguel, 2.4 miles south of, near railroad bridge 209-C, in south abutment of steel highway bridge; bronze tablet stamped "635 4 1916" (U. S. C. & G. S. B-24)-----	635. 543
Wellsona, east end of concrete culvert 210-E; chiseled square, marked "U. S. 661" (U. S. C. & G. S. D-24)-----	671. 219
Paso Robles, 4.4 miles north of, east end of concrete culvert; chiseled square, marked "U. S. 665" -----	665. 19
Paso Robles, 3.4 miles north of, east end of south abutment of concrete under track crossing 212-H; bronze tablet stamped "683 5 1916" (U. S. C. & G. S. F-24)-----	683. 693
Paso Robles, 2.5 miles north of, west end of concrete culvert 123-B; chiseled square, marked "U. S. 682" (U. S. C. & G. S. G-24)	682. 30
Paso Robles, 1.8 miles north of, near city limit signboard, west end of concrete culvert 214-B; chiseled square, marked "U. S. 692" (U. S. C. & G. S. H-24)-----	692. 17
Eocene, at road crossing 214-F. H.; top of rail-----	714. 5
Paso Robles, intersection of Southern Pacific R. R. with Thirteenth Street, west end of concrete culvert 215-S; bronze tablet stamped "715 6 1916" (U. S. C. & G. S. J-24)-----	715. 287
Paso Robles Public Library, at main entrance to reading room, top of east pillar; bronze tablet stamped "740 7 1916" (U. S. C. & G. S. K-24)-----	739. 999
Paso Robles, 1.2 miles south of, opposite semaphore 217.1, east end of concrete highway culvert; chiseled square, marked "U. S. 720" (U. S. C. & G. S. N-24)-----	719. 86
Paso Robles, 2.6 miles south of, west end of concrete culvert 218-C; chiseled square, marked "U. S. 729" (U. S. C. & G. S. P-24)-----	729. 434
Paso Robles, 3.6 miles south of, 250 feet south of road crossing 219 B D, east end of concrete culvert 219-E; bronze tablet stamped "734 8 1916" (U. S. C. & G. S. R-24)-----	733. 945
Templeton, 1.1 miles north of, base of semaphore 221.2; chiseled square, marked "U. S. 757"-----	757. 53
Templeton, concrete step leading to waiting room of Southern Pacific R. R. depot; chiseled square, marked "U. S. 777"-----	777. 40
Templeton, 1.5 miles south of, 60 feet west of railroad bridge 223-A, east end of center pier of steel highway bridge; bronze tablet stamped "774 9 1911" (U. S. C. & G. S. V-24)-----	774. 401
Asuncion, 0.4 mile north of, west end of stone culvert 224-B; chiseled square, marked "U. S. 816"-----	816. 50
Asuncion, north end of switch, east end of concrete culvert 242-D; chiseled square, marked "U. S. 824"-----	824. 19
Atascadero, 200 feet north of, switch, west end of concrete culvert 226; chiseled square, marked "U. S. 824"-----	823. 80
Atascadero, east end of south stone abutment of railroad bridge 226-D; bronze tablet stamped "834 10 1916" (U. S. C. & G. S. X-24)-----	834. 513

Primary leveling by N. E. Ballmer in 1918

From northeast corner of San Luis Obispo quadrangle northwest along highways to Geneseo School, 10.4 miles southeast of Paso Robles

	Feet
Creston, 1.23 miles southeast of, 600 feet north of Huera Huera Creek crossing, on west side of road, in fence post; spike painted "U. S. B. M. 1,153" on fence post-----	1, 153. 72
Creston, 0.54 mile southeast of, on east side of road, in fence post; spike, painted "U. S. B. M. 1,124" on fence post-----	1, 123. 86
Creston, opposite post office; intersection of streets, "1,115" painted on telephone post-----	1, 115. 22
Creston, 0.45 mile north of, at T road east, at northeast corner of intersection, in stub of telephone pole; spike, "U. S. B. M. 1,097" painted on telephone pole-----	1, 097. 51
Geneseo School, 2.80 miles southeast of, 1.11 miles north of Creston, at T road west, in corner post at northwest corner; spike, painted "U. S. B. M. 1,080" on post-----	1, 080. 18
Geneseo School, 2.00 miles southeast of, south of small drain crossing, on east side of road, in fence post spike; "U. S. B. M. 1,060" painted on fence post-----	1, 059. 95
Geneseo School, 0.94 mile southeast of, at T road east, in telephone pole; spike, painted "U. S. B. M. 1,029" on telephone pole-----	1, 029. 64
Paso Robles, 10.43 miles southeast of, at Geneseo School, in northeast angle of crossroads; iron post stamped "1,014 1917"-----	1, 014. 326

Primary leveling by Gerald Fitz Gerald in 1919

From Cholame quadrangle west along highways to point near Union. (Part of an unadjusted line, from Cammatti ranch, Pozo quadrangle, closing 2.213 feet low upon adjusted elevation 2 miles northeast of Union. Line should be releveled)

Shandon, 8.4 miles west of, Fifteen-mile bridge, southwest concrete wing; aluminum tablet stamped "850"-----	850. 926
Shandon, 9.3 miles west of, at summit of hill, in pole; nail, painted "U. S. 1,078 B. M."-----	1, 079. 580
Union, 2 miles northeast of, 250 feet west of T road, in front of farmhouse; Seitz's bench mark on pole, painted "U. S. 995 B. M." (1920 adj. 994.96 feet)-----	992. 747

POZO QUADRANGLE

[Latitude 35° 15'-35° 30'; longitude 120° 15'-120° 30']

SAN LUIS OBISPO COUNTY

Primary leveling by N. E. Ballmer in 1918

From San Luis Obispo quadrangle along highways east to Pozo, thence northeast to Cammatti ranch, thence northwest to northeast corner of San Luis Obispo quadrangle

	Feet
Santa Margarita, 9.60 miles southeast of, 8.76 miles northwest of Pozo, at Salinas River bridge, in south wing of west abutment; bronze tablet stamped "1,235"-----	1, 235. 861
Pozo, 7.68 miles northwest of, on north side of road, in big pine tree; spike, painted "U. S. B. M. 1,253" on big pine tree-----	1, 254. 36
Pozo, 6.51 miles northwest of, at south edge of road, on rock; chiseled cross, painted "U. S. B. M. 1,265" on large rock-----	1, 266. 03

	Feet
Pozo, 5.46 miles northwest of, on south side of road, in base of 2-foot leaning pine tree; spike, painted "U. S. B. M. 1,285" on 2-foot leaning pine tree -----	1, 285. 90
Pozo, 5.46 miles northwest of, on south side of road, 20 feet east of temporary bench mark on tree; iron post stamped "1,283" -----	1, 284. 721
Pozo, 4.23 miles northwest of, 175 feet southeast of road forks, in southwest corner of floor of bridge over Toro Creek; spike, painted "U. S. B. M. 1,308" on bridge railing -----	1, 309. 20
Pozo, 3.45 miles northwest of, in front of new district school; summit in center of road, "1,343" painted on fence -----	1, 344. 27
Pozo, 3.09 miles northwest of, 75 feet west of small creek crossing, on south side of road, in base of willow stump; spike, "U. S. B. M. 1,330" painted on willow stump -----	1, 331. 22
Pozo, 2.45 miles west of, 300 feet north of where road strikes Salinas River, on east side of road, in base of stump; spike, "U. S. B. M. 1,371" painted on stump -----	1, 372. 18
Pozo, 2.45 miles west of, 300 feet north of where road strikes Salinas River, on east side of road, 60 feet east of temporary bench mark on stump, 40 feet inside of fence; bronze tablet in boulder, stamped "1,372" -----	1, 373. 330
Pozo, 2.00 miles west of, at road forks, in front of barn; center of road, "1,368.4" painted on barn -----	1, 369. 7
Pozo, 1.43 miles west of, about 600 feet west of summit, on south side of road, on rock; chiseled square, painted "U. S. B. M. 1,451" -----	1, 451. 98
Pozo, 1.00 mile west of, at summit, in center of road, "1,495" painted on telephone pole -----	1, 496. 36
Pozo, 0.48 mile west of, at bend in road, in northwest corner of bridge; spike, "U. S. B. M. 1,452" painted on bridge railing -----	1, 453. 45
Pozo, 0.60 mile east of, at T road north, at bend in road, in west gate post, spike, "U. S. B. M. 1,476" painted on fence post -----	1, 477. 65
Pozo, 300 feet east of post office, southeast abutment of concrete bridge; bronze tablet stamped "1,456" (B. M. is on single spur line) -----	1, 457. 493
Pozo, 1.39 miles east of, in gate post, on west side of road at T road east; spike, "U. S. B. M. 1,511" painted on gate post -----	1, 512. 49
Pozo, 1.80 miles east of, at summit, in center of road; "1,577" painted on telephone pole -----	1, 578. 39
Pozo, 2.67 miles northeast of, on east side of road, in base of big white-oak tree; spike, "U. S. B. M. 1,616" painted on big white-oak tree -----	1, 617. 11
Pozo, 3.40 miles northeast of, opposite lane turning west, in center of road, "1,695" painted on fence post -----	1, 696. 43
Pozo, 3.84 miles northeast of, on northwest side of road, at road forks, in small oak tree; spike, "U. S. B. M. 1,750" painted on small oak tree -----	1, 751. 26
Pozo, 3.84 miles northeast of, near road forks, 70 feet northeast of temporary bench mark "1,750"; iron post stamped "1,753" -----	1, 754. 459
Pozo, 4.80 miles northeast of, 75 feet north of creek crossing, opposite danger sign, on west side of road, in live-oak stub; spike, "1,901" painted on live-oak tree -----	1, 902. 30

Feet

Pozo, 5.65 miles northeast of, on south side of road, in post at south-west corner of small box culvert across road; spike, "U. S. B. M. 2,250" painted on live-oak tree-----	2, 251. 96
Pozo, 6.79 miles northeast of, 775 feet southwest of summit, on north side of road, in oak tree; spike, "U. S. B. M. 2,599" painted on oak tree-----	2, 600. 58
Pozo, 6.94 miles northeast of, 30 feet east of mail box, at summit of road, on south side of road, in base of small oak tree; spike, "U. S. B. M. 2,651" painted on post of mail box-----	2, 652. 92
Pozo, 6.94 miles northeast of, 40 feet northeast of mail box, north side of road; iron post stamped "2,652"-----	2, 653. 433
Pozo, 8.14 miles northeast of, 15 feet west of watering trough, on south side of road, on rock; chiseled square, "U. S. B. M. 2,149" painted on rock-----	2, 150. 22
Pozo, 9.13 miles northeast of, at southeast corner of culvert, on rock; chiseled square, "U. S. B. M. 1,990" painted on big rock-----	1,991. 33
Pozo, 10.30 miles northeast of, 5.71 miles northwest of La Panza, 500 feet west of Alley ranch house, 30 feet east of road, in base of big cottonwood tree; spike, "U. S. B. M. 1,853" painted on big cottonwood tree-----	1, 854. 14
Alley ranch house, 1.00 mile north of, at southeast corner of road forks, on rock; chiseled cross, "U. S. B. M. 1,927" painted on oak tree-----	1, 928. 86
Alley ranch house, 1.81 miles north of, on west side of road, in base of oak tree; spike, "2,066" painted on oak tree-----	2, 067. 62
Alley ranch, 2.41 miles north of, 200 feet south of forks of road, in east gate post; spike, "U. S. B. M. 1,985" painted on east gatepost -----	1, 986. 86
Alley ranch, 2.41 miles north of, 200 feet south of road forks, 30 feet east of temporary bench mark on gate, set in top of 3-foot concrete post; aluminum tablet stamped "1,985"-----	1, 986. 878
Alley ranch, 3.70 miles north of, 1.05 miles southeast of Cammatti ranch house, 800 feet north of foot of grade, on east side of road, in base of oak tree; spike, "U. S. B. M. 1,613" painted on oak tree-----	1, 614. 40
Cammatti ranch house, 600 feet south of; iron post stamped "A. T. Co. Sta. 2185 El 1561," also stamped "1,558"-----	1, 558. 911
Cammatti ranch, 0.35 mile north of, 200 feet west of creek crossing, at gate; center of road, painted "1,516" on gate-----	1, 517
Cammatti ranch, 1.23 miles northwest of, 10 feet south of road, 10 feet north of oak tree, on small rock; chiseled square, painted "U. S. B. M. 1,625"-----	1,626. 43
Cammatti ranch, 1.80 miles northwest of, 15 feet south of gate known locally as Dobie gate, in top of brace post; spike, "U. S. B. M. 1,641" painted on Dobie gate-----	1, 642. 38
Cammatti ranch, 2.91 miles northwest of, on south side of road and creek, in base of oak tree; spike, "U. S. B. M. 1,490" painted on oak tree-----	1, 491. 53
Cammatti ranch, 4.36 miles northwest of, 20 feet from forks of road, on north side of road, in horizontal tree trunk; spike, "U. S. B. M. 1,407" painted on tree trunk-----	1, 408. 59

	Feet
Cammatti ranch, 4.36 miles northwest of, 50 feet from road forks, 30 feet west of temporary bench mark on tree, in top of concrete post; aluminum tablet stamped "1,408"-----	1, 409. 128
Cammatti ranch, 5.41 miles northwest of, 2.64 miles east of Highland School, 6 feet west of gate on south side of road, in top of sawed-off 8-inch post; spike; "U. S. B. M. 1,579" painted on gate---	1, 580. 74
Cammatti ranch, 6.91 miles northwest of, 1.12 miles north of Highland School, on west side of road at forks, in root of big oak tree; spike, "U. S. B. M. 1,454" painted on big oak tree-----	1, 455. 31
Highland School, near southwest corner of school yard, on north end of galvanized drainpipe across road; painted circle, "U. S. B. M. 1,526" painted on fence-----	1, 527. 19
Highland School, in southwest corner of school yard, in concrete post; aluminum tablet stamped "1,528"-----	1, 529. 592
Highland School, 1.00 mile west of, 500 feet east of creek crossing, on south side of road, in base of big oak tree; spike; "U. S. B. M. 1,630" painted on big oak tree-----	1, 631. 74
Highland School, 2.11 miles west of, 400 feet east of summit of road, on south side of road; 3-inch iron post stamped "A. T. Co. Sta. 1733, El. 1761"; "U. S. B. M. 1,758" painted on tree-----	1,759. 040
Highland School, 2.89 miles west of, 50 feet west of the forks of road, in southeast corner of bridge; spike; "U. S. B. M. 1,600" painted on floor of bridge-----	1, 601. 11
Highland School, 2.89 miles west of, 150 feet west of road forks, 100 feet west of temporary bench mark, in concrete post; aluminum tablet stamped "1,598"-----	1, 599. 268
Highland School, 4.2 miles west of, 2.40 miles east of Huera Huera School, at creek crossing, on south side of road, on rock; chiseled square; "U. S. B. M. 1,436" painted on rock-----	1,437. 65
Huera Huera School, 1.56 miles southeast of, on south side of road, rod held on 3-inch iron post on letter E; iron post stamped A. T. Co. Sta.—El.—On oak tree is painted "U. S. B. M. 1,328"-----	1,327. 867
Huera Huera School, 0.96 mile southeast of, at T road south, on north side of road, in sign post; spike, "U. S. B. M. 1,287" painted on corner fence post-----	1, 286. 84
Creston, 4.73 miles southeast of, in front of Huera Huera School, in big oak tree in road; spike, "U. S. B. M. 1,246" painted on fence---	1,246. 17
Creston, 3.54 miles southeast of, 1,059 feet southeast of house, on west side of road, in fence post; spike, "U. S. B. M. 1,207" painted on fence post-----	1, 207. 16
From point 10.3 miles northeast of Pozo along highways southeast to La Panza quadrangle	
Pozo, 10.3 miles northeast of, 5.7 miles northwest of La Panza, 500 feet west of Alley ranch house, 30 feet east of road, 10 feet northeast of temporary bench mark on tree; iron post stamped "1,853"-----	1, 855. 055
Alley ranch, 1.23 miles southeast of, 4.48 miles northwest of La Panza, 40 feet south of ford, on west bank of creek, on rock; chiseled cross; "U. S. B. M. 1,922" painted on big rock-----	1, 923. 58
Alley ranch, 2.31 miles southeast of, 3.40 miles west of La Panza, on north side of road, in base of big live-oak tree; spike, "U. S. B. M. 2,067" painted on big live-oak tree-----	2, 068. 53

Feet

Alley ranch house, 3.24 miles southeast of, 2.47 miles west of La Panza, 40 feet east of summit, on south side of road, in stump of small oak tree; spike; "U. S. B. M. 2,490" painted on tree-----	2,491.90
Alley ranch house, 3.24 miles southeast of, 2.47 miles west of La Panza, south side of road, 5 feet south of painted tree; iron post stamped "2,495"-----	2,496.619

Primary leveling by Gerald Fitz Gerald in 1919

From point 1.4 miles east of Pozo along highways southeast to point near northeast corner of Nipomo quadrangle

Pozo, 1.4 miles east of, at west side of road, at T road east, in north gatepost of panel gate; wire nail; painted "U. S. B. M. 1,511"---	1,512.49
Pozo, 2.8 miles east of, 25 feet north of road, inside of road fence, in root of large white-oak tree; copper nail, triangle on tree, scribed "1,576 U. S."-----	1,577.61
Pozo, 3.5 miles east of, at summit, 10 feet north of road; stake and nail-----	1,730.07
Pozo, 4.7 miles east of, on road below farmhouse, 10 feet north of and above road, in root of large white-oak tree; copper nail, triangle on tree scribed "U. S. 1,505"-----	1,507.04
Pozo, 6.1 miles east of, at summit of small hill, 15 feet south of road, at fence line, in root of large white-oak tree; copper nail; triangle on tree scribed "U. S. 1,539"-----	1,540.70
Pozo, 6.8 miles east of, at Seller's ranch house, in sandstone step; bronze tablet stamped "1,514"-----	1,516.355
Pozo, 7.9 miles east of, 100 feet west of Avenal line-fence gate, south side of road, in root of large white-oak tree; copper nail, triangle scribed "1,549"-----	1,551.18
Pozo, 8.3 miles east of, 1,500 feet inside of line-fence gate, on east hill slope, 80 feet below and south of road, in large boulder; bronze tablet stamped "1,588"-----	1,590.134
Pozo, 9.3 miles east of, panel gate leading into T. L. Conway's ranch house, on post brace; copper nail; "U. S. 1,643 B. M." painted on gate-----	1,645.54

From Nipomo quadrangle north along highways to Pozo. (This line, run in 1919 by Fitz Gerald, is based upon an adjusted elevation at Huasna and closes by 1.104 feet higher than the adjusted elevation at Pozo. Should be releveled)

Musick, 6 miles north of, near large rock over road, 30 feet east of road, on oak stump; copper nail; not painted-----	1,701.038
Musick, 6.4 miles north of, at bottom of grade, at creek forks, 40 feet south of Huasna Creek, 10 feet east of old barn, in root of sycamore tree; copper nail, triangle on tree scribed "1,485"---	1,487.920
Pozo, 3.7 miles south of, at saddle on divide, 40 feet east of road; iron post stamped "2,073"-----	2,076.222
Pozo, 2.5 miles south of, at deserted cabin on McNeil ranch, 60 feet west of cabin, 6 feet west of road, in root of white-oak tree; copper nail; triangle on tree scribed "1,660"-----	1,662.680
Pozo, 0.5 mile east of post office, at bend of road at panel gate, in gatepost; wire nail, painted U. S. B. M. 1,476.2 (adjusted elevation=1,477.653 feet)-----	1,478.757

From Cammatti ranch north along highway to Cholame quadrangle. (This line, run by Fitz Gerald, is part of a line closing 2.213 feet lower than adjusted elevation at point 2 miles northeast of Union in Paso Robles quadrangle)

	Feet
Cammatti ranch, 4.36 miles northwest of, 20 feet from forks in road, on north side of road, in tree trunk; spike, "U. S. 1,407 B. M." painted on tree-----	1,408.59
Shandon, 13.7 miles south of, 50 feet east of road, in root of very large white-oak tree used as southwest corner fence post of alfalfa patch; nail, "U. S. 1,351" marked on tree-----	1,352.436
Shandon, 14.9 miles south of, 150 feet east of road, in root of large white-oak tree; nail, triangle on tree scribed "U. S. 1,322"-----	1,323.807
Shandon, 14 miles southeast of, 3.2 miles southeast of Canyon ranch, 40 feet east of panel gate, top of 8-inch casing; "U. S. 1,306 B. M." painted on gate-----	1,307.392

SAN LUIS OBISPO QUADRANGLE

[Latitude 35° 15'-35° 30'; longitude 120° 30'-120° 45']

SAN LUIS OBISPO COUNTY

Precise leveling by the U. S. Coast and Geodetic Survey in 1919-20

South along Southern Pacific R. R.

	Feet
Atascadero, 1.5 miles north of, at railway mileage 226.5, in east stone abutment of railroad plate-girder bridge 226-D; a Geological Survey bronze tablet stamped "834 10 1916" (U. S. C. & G. S. b. m. X-24)-----	834.513
Atascadero, 0.6 mile north of, at mileage 227.4, in south end of concrete culvert 227-A, east side of track and about 1 meter below it; red metal disk (U. S. C. & G. S. b. m. Y-24)-----	838.866
Atascadero, 0.9 mile south of, at mileage 228.9, in north abutment of sandstone cattle pass, on east side of track; red metal disk (U. S. C. & G. S. b. m. Z-24)-----	863.230
Eaglet, 0.3 mile north of, at mileage 230.0, east end of stone abutment of concrete culvert 230-A; a Geological Survey bronze tablet stamped "880 11 1916" (U. S. C. & G. S. b. m. A-25)-----	879.815
Santa Margarita, 3.1 miles north of, at mileage 232.4, in north abutment of steel railroad bridge over Santa Margarita Creek, on east side of track; red metal disk (U. S. C. & G. S. b. m. B-25)---	917.308
Santa Margarita, 2.5 miles north of, opposite and 600 feet west of railroad culvert 232-G, at mileage 232.8, in east abutment of steel highway bridge over Santa Margarita Creek; a Geological Survey bronze tablet stamped "931 12 1916" (U. S. C. & G. S. b. m. C-25)-----	931.663
Santa Margarita, north end of town, opposite railway mileage 235.2, west end of south abutment of highway bridge; a Geological Survey bronze tablet stamped "995 13 1916" (U. S. C. & G. S. b. m. D-25)-----	995.700
Santa Margarita, about 2,500 feet west of station in most northerly pier supporting large Southern Pacific R. R. water tank; red metal disk (U. S. C. & G. S. b. m. E-25)-----	1,011.268
Santa Margarita, 1.6 miles south of, at railroad mileage 237.2, center of the "9" in 1918, railroad culvert 237-A; surface within an outlined square cut on masonry (U. S. C. & G. S. b. m. F-25)-----	1,109.703

Feet

Cuesta, opposite milepost 239, west end of concrete highway culvert; a Geological Survey bronze tablet stamped "1,314 14 1916" (U. S. C. & G. S. b. m. G-25)-----	1,305.286
Cuesta, north entrance to tunnel No. 6, on east side of track, about 4 feet above track, immediately below portal, set vertically in con- crete; red metal disk (U. S. C. & G. S. b. m. H-25)-----	1,346.566
Thyle (telephone station at south entrance to tunnel No. 6) east of track, in abutment to concrete culvert, about 50 feet from entrance to tunnel; red metal disk (U. S. C. & G. S. b. m. J-25)-----	1,307.547
Tunnel No. 9, south end of, at mileage 241, set vertically in west side of entrance, about 4 feet above ground; red metal disk (U. S. C. & G. S. b. m. K-25)-----	1,212.514
Tunnel No. 10, north end of, at mileage 241.6, set vertically in con- crete entrance on east side of track, about 4 feet above ground; red metal disk (U. S. C. & G. S. b. m. L-25)-----	1,143.561
Tunnel No. 10, concrete culvert at north entrance, west of track, center of "9" in 1907, culvert 241-E; surface within an outlined square (U. S. C. & G. S. b. m.) (S. P. b. m.)-----	1,139.594
Nova, Southern Pacific R. R. signpost at mileage 242.6, in center of west end of concrete culvert (with red railing) 242-G, mileage 242.8; red metal disk (U. S. C. & G. S. b. m. M-25)-----	1,032.685
Tunnel No. 11, north end of, at railroad mileage 245.9, set vertically in concrete, about 4 feet above ground, on east side of tracks; red metal disk (U. S. C. & G. S. b. m. N-25)-----	719.907
San Luis Obispo, 3.5 miles north of, at railroad mileage 248.5, in sandstone abutment of 930-foot deck plate-girder bridge over Steiner Creek, on west side of track; red metal disk (U. S. C. & G. S. b. m. O-25)-----	444.937
San Luis Obispo, 1.1 miles north of station, at milepost 250, in sandstone abutment of deck plate-girder bridge over Brizziolari Creek, on east side of track, culvert is 249-D; red metal disk (U. S. C. & G. S. b. m. P-25)-----	292.877
San Luis Obispo, undertrack road crossing, about 0.9 mile north of station, in top of retaining wall, about 4 feet above roadway and 20 feet below track; a Geological Survey bronze tablet, stamped "240 17 1916" (U. S. C. & G. S. b. m. I-25)-----	241.161
San Luis Obispo, about 9.6 miles north of station, at railroad mileage 251.5, in north stone abutment of plate girder overhead road cross- ing 251-G, on east side of track; surface within an outlined square on masonry (U. S. C. & G. S. b. m. Q-25)-----	251.213
San Luis Obispo, entrance to courthouse, east of steps to main en- trance, about 4 feet above ground, top of concrete pillar; a Geological Survey tablet stamped "233 18 1916" (U. S. C. & G. S. b. m. R-25)-----	234.912
San Luis Obispo, at entrance to courthouse, similar to bench mark R-25 but on west side of entrance, about 4 feet above ground; bolt in top of concrete pillar (city b. m.)-----	234.005
San Luis Obispo, on northeast corner of Marsh and Morro streets, in northwest corner of First Presbyterian Church, on north side of corner, about 4 feet above ground, red metal disk set vertically (U. S. C. & G. S. b. m. S-25)-----	214.967

	Feet
San Luis Obispo, at northeast corner of Higuerra and Garden streets, on front face of corner abutment of Union National Bank, about 4 feet above sidewalk; red metal disk (U. S. C. & G. S. b. m. T-25)-----	203. 116
San Luis Obispo, 3.3 miles south of, near southwest base of Imlay Hill, east of stone railroad bridge 255-G; a Geological Survey bronze tablet stamped "232 18 1916" (U. S. C. & G. S. b. m. U-25)-----	225. 892

Primary leveling by L. F. Biggs in 1916

From Asuncion south along Southern Pacific R. R. and highways to San Luis Obispo and south border of quadrangle. (Part of line double rodded and part leveled twice and corrected to agree with precise leveling of the U. S. C. & G. S. over same route)

Henry, 1 mile south of, west end of step leading to Southern Pacific depot; chiseled square marked "U. S. 857"-----	857. 08
Henry, 1.0 mile south of, west end of concrete culvert 229-A; bridge 231-B; chiseled square marked "U. S. 907"-----	907. 30
Eaglet, 0.3 mile north of, east end of stone abutment of concrete culvert 230-H; bronze tablet stamped "880 11 1916" (U. S. C. & G. S. A-25)-----	879. 815
Eaglet, 1.4 miles south of, east end of south abutment of concrete bridge 231-B; chiseled square marked "U. S. 907"-----	907. 30
Santa Margarita, 2.5 miles north of, on east end of south stone abutment of bridge 232-G; chiseled square marked "U. S. 929"-----	930. 38
Santa Margarita, 2.5 miles north of, 600 feet west of railroad culvert 232-G, on east end of south abutment of steel highway bridge over Santa Margarita Creek; bronze tablet stamped "931 12 1916" (U. S. C. & G. S. C-25)-----	931. 668
Santa Margarita, 1.5 miles north of, on west end of north abutment of bridge 233-C; chiseled square marked "U. S. 956"-----	959. 78
Santa Margarita, north end of town, on west end of south abutment of highway bridge; bronze tablet stamped "995 13 1916"-----	995. 700
Santa Margarita, 0.9 mile south of, on north end of concrete culvert 236-D; chiseled square marked "U. S. 1,019"-----	1,019. 35
Cuesta, 1.2 miles north of, on base of semaphore 2375; chiseled square marked "1,141 U. S."-----	1, 141. 37
Cuesta, 0.3 mile north of signboard, on east end of concrete culvert; chiseled square marked "U. S. 1,264"-----	1, 265. 09
Cuesta, opposite milepost 239, on east end of concrete highway culvert; bronze tablet stamped "1,314 14 1916" (U. S. C. & G. S. G-25)-----	1, 305. 286
Summit of Cuesta grade, 200 feet south of, on east side of concrete culvert; chiseled square marked "U. S. 1,540"-----	1, 541. 02
Summit of Cuesta grade, 1.1 miles south of, on east end of concrete culvert; chiseled square marked "U. S."-----	1,245. 47
Summit of Cuesta grade, 2.0 miles south of, on east end of concrete bridge; bronze tablet stamped "994 15 1916"-----	994. 703
Summit of Cuesta grade, 2.7 miles south of, 800 feet north of school-house, on east end of concrete culvert; chiseled square marked "U. S. 807"-----	808. 00
San Luis Obispo, 4.1 miles north of, on east end of north concrete abutment of culvert (P. L. Co. B. M. 47), painted "650"-----	650. 20

	Feet
San Luis Obispo, 3.6 miles north of, opposite large farmhouse, on east end of concrete culvert; chiseled square marked "U. S. 577"	577. 80
San Luis Obispo, 2.0 miles north of, opposite San Luis Obispo Water Works reservoir No. 3, on east end of concrete culvert; bronze tablet stamped "415 16 1916"	415. 456
San Luis Obispo, north city limit, on south end of concrete culvert; chiseled square marked "U. S. 295"	296. 14
San Luis Obispo, undertrack road crossing, in top of stone retaining wall; bronze tablet stamped "240 17 1916" (U. S. C. & G. S. I-25)	241. 161
San Luis Obispo courthouse, east of steps to main entrance, in top of concrete pillar; bronze tablet stamped "233 18 1916" (U. S. C. & G. S. R-25)	234. 012
San Luis Obispo, 20 feet north of railroad depot, on concrete curb; chiseled square marked "U. S. 245"	245. 30
San Luis Obispo, 1 mile south of, on west end of stone culvert 252-B; chiseled square, marked "U. S. 239"	239. 58

From San Luis Obispo northwest along highway to west border of quadrangle (leveled twice)

San Luis Obispo, courthouse, previously described	234. 012
San Luis Obispo, west end of town, on north abutment of highway bridge over Brizzololari Creek; chiseled square marked "U. S. 231"	231. 93
San Luis Obispo, 1.8 miles northwest of, on west side of concrete highway bridge; chiseled square marked "U. S. 332"	333. 02
San Luis Obispo, 3.7 miles northwest of, north end of east abutment of Chorro Creek highway bridge; bronze tablet stamped "392 22 1916"	392. 962
San Luis Obispo, 5.6 miles northwest of, 0.5 mile north of Hope School, on east end of stone bridge; chiseled square marked "U. S. 273"	273. 62
San Luis Obispo, 6.5 miles northwest of, at gate leading to house, on top of granite post; chiseled square marked "U. S. 259"	259. 74

Primary leveling by N. E. Ballmer in 1918

From Santa Margarita southeast along highways to Pozo quadrangle

Santa Margarita, north end of town, in west end of south abutment of highway bridge; bronze tablet stamped "995 13 1916"	995. 700
Santa Margarita, 0.75 mile east of, on south side of road at summit, in base of stump; spike; "U. S. B. M. 1,096" marked on fence post	1, 096. 46
Santa Margarita, 1.47 miles east of, 300 feet west of T road north, in northeast abutment of bridge; spike; "U. S. B. M. 1,009" painted on bridge rail	1, 010. 25
Santa Margarita, 2.64 miles southeast of, on south side of road, in telephone pole; spike; "U. S. B. M. 1,103" painted on telephone pole	1, 104. 19
Santa Margarita, 2.64 miles southeast of, south side of road, 50 feet southeast of telephone pole painted "U. S. B. M. 1,103"; iron post stamped "1,106"	1, 107. 670
Santa Margarita, 3.72 miles southeast of, on south side of road, in telephone pole; spike; "U. S. B. M. 1,178" painted on telephone pole	1, 178. 72

	Feet
Santa Margarita, 4.80 miles southeast of, 30 feet north of lane turning west, on west side of road, in telephone pole; spike; "U. S. B. M. 1,133" painted on telephone pole-----	1, 134. 46
Santa Margarita, 5.07 miles southeast of, center of road forks; ground, "1,113" painted on fence post-----	1, 113. 99
Santa Margarita, 6.06 miles east of, on east side of road at turn, in telephone pole; spike, "U. S. B. M. 1,172" painted on telephone pole-----	1, 169. 88
Santa Margarita, 6.06 miles east of, on east side of road at turn, 20 feet east of temporary bench mark on pole; iron post stamped "1,172"-----	1, 170. 493
Santa Margarita, 7.17 miles southeast of, 100 feet south of lane west, on west side of road, in big oak tree; spike; "U. S. B. M. 1,230" painted on big oak tree-----	1, 227. 81
Santa Margarita, 7.63 miles southeast of, in front of Rinconada School; center of road in front of gate; "1,257" painted on gate--	1, 255. 08
Santa Margarita, 8.04 miles southeast of, at road forks, on south side of road, in telephone pole; spike; "U. S. B. M. 1,285" painted on telephone pole-----	1, 283. 56
Santa Margarita, 9.09 miles southeast of, on north side of road, on large rock; chiseled cross, "U. S. B. M. 1,380" painted on large rock-----	1, 377. 81
Santa Margarita, 9.60 miles southeast of, 8.76 miles northwest of Pozo, Salinas River bridge, on south wing of west abutment; chiseled square, "U. S. B. M. 1,235" painted on bridge railing---	1, 235. 82
From Pozo quadrangle northwest along highways across San Luis Obispo quadrangle near its northeast corner into Paso Robles quadrangle	
Creston, 2.55 miles southeast of, opposite lane turning west, in tree on east side of road; spike, "U. S. B. M. 1,181" painted on fence post-----	1, 180. 71

SAN MIGUEL QUADRANGLE

[Latitude 35° 45'-36°; longitude 120° 30'-120° 45']

MONTEREY AND SAN LUIS OBISPO COUNTIES

Precise leveling by U. S. Coast and Geodetic Survey in 1919

Southeast along Southern Pacific R. R.

	Feet
Bradley, 5.2 miles southeast of, at railroad mileage 200.6, in east end of north abutment of steel railroad bridge 200-B over Salinas River; bronze tablet stamped "565 1 1916," (U. S. C. & G. S. b. m. Q-23)-----	565. 189
Bradley, 6 miles south of, 4 meters west of center line of track, 1 meter below, railroad mileage 202.0, in west head wall of concrete culvert 202-A; red metal disk (U. S. C. & G. S. b. m. R-23)-----	586. 357
San Miguel, 3.8 miles north of, 1,000 feet south of San Luis Obispo and Monterey county line, in east end of south abutment of concrete bridge 203-A; U. S. G. S. bronze tablet stamped "590 2 1916" (U. S. C. & G. S. b. m. S-23)-----	590. 724
San Miguel, 3.2 miles north of, directly opposite railroad Y, 18 meters west of center line of track, 2 meters below, railroad mileage 203.8, in east head wall of highway concrete box culvert; red metal disk (U. S. C. & G. S. b. m. T-23)-----	586. 052

	Feet
San Miguel, 2.8 miles north of, railroad mileage 204.6, on east end of concrete culvert 204-B; chiseled square marked "U. S. 593" (U. S. C. & G. S. b. m. U-23)-----	593. 303
San Miguel, 2 miles north of, railroad mileage 205.2, on east end of concrete culvert 205-A; chiseled square marked "U. S. 602"-----	602. 781
San Miguel, 3.2 miles north of, 3 meters east of track, 0.5 meter below, railroad mileage 205.6, in east head wall of highway concrete box culvert 205-B; red metal disk (U. S. C. & G. S. b. m. W-23)-----	607. 771
San Miguel, at east edge of Southern Pacific R. R. park, 300 feet north of station, just east of band platform, 25 meters west of center line of track, level with track, railroad mileage 207.1, on concrete post; red metal disk (U. S. C. & G. S. b. m. X-23)-----	620. 937
San Miguel, 30 feet east of south end of Southern Pacific R. R. depot, railroad mileage 207.0, on concrete base of southeast pillar of railroad water tank; chiseled square marked "U. S. 622" (U. S. C. & G. S. b. m. Y-23)-----	622. 404

Primary leveling by W. H. Monahan in 1908

From point 4 miles east of Bradley northeast to Stone Canyon

Bradley, 4.1 miles east of, north of road, at base of hill, in large oak tree; spike with aluminum tag stamped "892"-----	892. 26
Bradley, 4.9 miles east of, north of road, 100 feet east of large oak tree, on line fence; iron post stamped "1026"-----	1, 026. 464
Bradley, 6.1 miles northeast of, south of road, in base of small oak tree; spike with aluminum tag stamped "1256"-----	1, 257. 05
Bradley, 8 miles northeast of, north of railroad, 1,000 feet east of road crossing, in telegraph pole; spike with aluminum tag stamped "1008"-----	1, 008. 31
Bradley, 9.1 miles northeast of, north of railroad, 0.5 mile east of the Hamilton ranch dwelling, in telegraph pole; spike with aluminum tag stamped "1074"-----	1, 074. 17
Bradley, 10.2 miles northeast of, south of railroad, 10 feet west of large oak tree; iron post stamped "1125-Cal-1908-B"-----	1, 125. 210
Bradley, 11.3 miles northeast of, north of railroad, 100 feet north of railroad cut and 100 feet south of Indian Creek, in telegraph pole; spike with aluminum tag stamped "1171"-----	1, 171. 27
Bradley, 13 miles northeast of, north of railroad, 100 feet north of road crossing, in telegraph pole; spike with aluminum tag stamped "1273"-----	1, 273. 73
Bradley, 14.2 miles northeast of, north of railroad, between highway and railroad, 100 feet east of road and railroad bridge, in telegraph pole; spike with aluminum tag stamped "1343"-----	1, 343. 19
Bradley, 15 miles northeast of, south of road, 100 feet north of railroad and 15 feet south of small oak tree on south side of road, 100 feet north of gulch, 1,800 feet north of oil derrick; iron post stamped "1908-Cal-1432-B"-----	1, 432. 305
Bradley, 16.1 miles northeast of, south of track, 1,000 feet southwest of small house on north side of track, in telegraph pole; spike with aluminum tag stamped "1523"-----	1, 523. 71
Bradley, 17.3 miles northeast of, north of railroad, 150 feet east of gulch on north, in telegraph pole; spike with aluminum tag stamped "1614"-----	1, 614. 58

	Feet
Bradley, 18.3 miles northeast of, east of railroad, 16 feet north of stream and railroad bridge, 100 feet east of road bridge and small house on west, in telegraph pole; spike with aluminum tag stamped "1695"-----	1, 695.76
Bradley, 20.7 miles northeast of, 200 feet west of power house at summit of mountain, 200 feet west of elevated railroad, on stone; chiseled square and aluminum tag stamped "2710"-----	2, 710. 98
Stone Canyon, south side of mine railroad, 50 feet north of road, 400 feet west of opening of the Stone Canyon Consolidated Coal Co.'s mine, 300 feet north of company store, in large stone, aluminum tablet stamped "1908-Cal-2773-B"-----	2, 774. 064

Near San Ardo

San Ardo, 2.3 miles southeast of, east of railroad, in telegraph pole; spike with aluminum tag stamped "445"-----	443. 27
San Ardo, 3.1 miles southeast of, east of track, in corner of culvert under railroad; aluminum tablet stamped "466-B" (C. & G. S., 1920)-----	465. 780

Primary leveling by L. F. Biggs in 1916. Corrected to agree with the 1920 precise level line of the U. S. C. & G. S. over same route

From Nacimiento southeast along Southern Pacific R. R. to point near San Miguel (double-rodged line)

San Miguel, 5.5 miles north of, on east end of south abutment of concrete culvert 202-B; chiseled square marked "U. S. 591"-----	591. 45
San Miguel, 3.8 miles north of, 1,000 feet south of San Luis Obispo and Monterey county line, east end of south abutment of concrete bridge 203-A; bronze tablet stamped "590 2 1916" (U. S. C. & G. S. S-23)-----	590. 724
San Miguel, 2.8 miles north of, east end of concrete culvert 204-B; chiseled square marked "U. S. 593," (U. S. C. & G. S. U-23)-----	593. 303
San Miguel, 2.0 miles north of, east end of concrete culvert 205-A; chiseled square marked "U. S. 602" (U. S. C. & G. S. V-23)-----	602. 781
San Miguel depot, 0.9 mile north of, west end of concrete highway culvert; bronze tablet stamped "616 3 1916"-----	616. 447
San Miguel, 30 feet east of south end of Southern Pacific R. R. depot, on concrete base of southeast pillar of railroad water tank; chiseled square marked "U. S. 622" (U. S. C. & G. S. Y-23)-----	622. 404

Primary leveling by R. C. Seitz in 1917

From south border northeast along highways across southeast quarter of quadrangle

Estrella Bridge, 5.42 miles northeast of, in base of telephone pole, at gate to ranch; spike, painted "U. S. 1,142 B. M."-----	1,142. 00
Estrella Bridge, 6.50 miles northeast of, 60 feet south of entrance to ranch, near east fence line of road; iron post stamped "1,193 1917" (reset and remarked by L. F. Biggs in 1918)-----	1, 193. 804
Estrella Bridge, 7.75 miles northeast of, at bend in road on flat, in base of leaning telephone pole; spike, painted "U. S. 1,287 B. M."-----	1, 290. 10

Feet

Estrella Bridge, 8.77 miles northeast of, 0.60 mile south of T road west, on east side of road, in base of leaning telephone pole; spike, painted "U. S. 1,359 B. M."-----	1,362.54
T road west to San Miguel road-----	1,410.9
Estrella Bridge, 10.0 miles northeast of, 9.97 miles south of Parkfield, 0.70 mile north of junction of Paso Robles and San Miguel roads, on east fence line of road; iron post stamped "1,471 1917"-----	1,473.928
Parkfield, 8.96 miles south of, at northeast corner of school yard, in base of telephone pole; spike, painted "U. S. 1,577 B. M."--	1,580.37
Parkfield, 7.96 miles south of, on west side of road, in base of telephone pole; spike, painted "U. S. 1,696 B. M."-----	1,699.56
From east border of quadrangle west along highway to point 18.3 miles east of Bradley	
Parkfield, 4.10 miles northwest of, 400 feet west of 60-inch oak tree that stands in center of roadway, in base of telephone pole; spike, painted "U. S. 1,818 B. M."-----	1,823.60
Parkfield, 4.6 miles northwest of, at Innesdale rancho, at base of gate; top of rock-----	1,847.14
Parkfield, 5 miles northwest of, T road southwest to San Miguel, in southeast angle, in base of telephone pole; spike, painted "U. S. 1,855 B. M."-----	1,861.18
Parkfield, 6.20 miles northwest of, 0.40 mile west of Innesdale School, on south fence line of road; 5-inch stove pipe filled with concrete and capped with a bronze tablet stamped "1,973 1917"-----	1,973.708
Parkfield, 7.25 miles northwest of, opposite triangular plot of land containing four oak trees, in base of telephone pole; spike, painted "U. S. 2,054 B. M."-----	2,059.81
Parkfield, 8.40 miles northwest of, 0.60 mile west of small bridge, 900 feet east of drain, on west slope of small hill, on north side of road, in base of fence post; spike, painted "U. S. 2,105 B. M."-----	2,110.75
Parkfield, 9.50 miles northwest of, about 1,200 feet east of S. L. Wool's house, 30 feet south of road, in root of 24-inch oak tree; spike, painted "U. S. 2,134 B. M."-----	2,139.66
Parkfield, 10.70 miles northwest of, 0.80 mile west of S. L. Wool's house, 0.73 mile southeast of summit between Indian and Cholame valleys, 15 feet east of road, 5-inch stove pipe filled with concrete and capped with a bronze tablet stamped "2,211 1917"-----	2,211.906
Summit of road between Indian and Cholame valleys-----	2,378.7
Parkfield, 11.80 miles northwest of, 0.40 mile west of summit of water tanks on Stone Canyon R. R., can be seen for first time after descending from summit, in oak tree on west edge of road; roofing nail, painted "U. S. 2,234 B. M."-----	2,234.85