

# DEGREE QUADRANGLE 36°-37°, 119°-120°

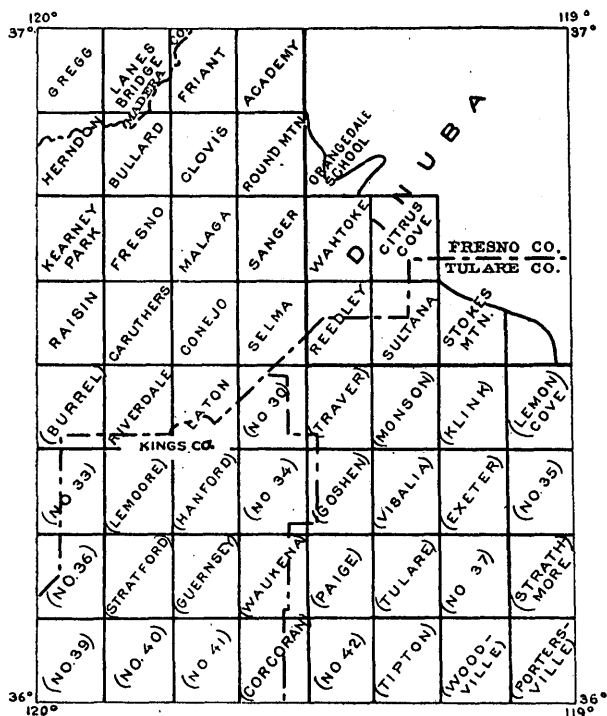


FIGURE 28.—Diagram of degree quadrangle 36°-37°, 119°-120°

## ACADEMY QUADRANGLE

[Latitude 36° 52' 30"-37°; longitude 119° 30'-119° 37' 30"]

### FRESNO COUNTY

Primary leveling by L. D. Ryus in 1901

From south border of quadrangle along highways northeast to point northeast of site of old Letcher School

|  | Feet   |
|--|--------|
| Academy, 0.25 mile south of, at northwest corner of bridge over small creek, in guardrail; nail marked "531"-----  | 527.83 |
| Academy, 0.75 mile north of, opposite red house and airmotor mill, in foot of telephone pole; spike, marked "568"-----   | 565.37 |
| Bridge over Dog Creek; marked "582"-----   | 579    |
| Academy, 1.5 miles northeast of, east side of road, between two rock points of hill, north of bridge over Dog Creek 1200, in root of oak tree; nail, marked "615"----- | 612.99 |
| 103248—25—19   | 287    |

|   | Feet     |
|---|----------|
| Letcher, bridge over creek at; temporary bench mark, marked "619"-----  | 616      |
| Letcher, 3,000 feet north of, 50 feet east of road, in pasture opposite small lake, in root of 30-inch oak tree; nail, marked "602"-----  | 599. 70  |
| Letcher, about 0.5 mile north of, in pasture, 50 feet east of county road, opposite lake west of road, in granite rock; tablet stamped "601"-----                               | 597. 757 |
| Letcher, 1.35 miles north of, east side of road, at foot of hill, about 600 feet south of northeast corner of pasture, in root of 18-inch oak tree; nail, marked "633"-----     | 630. 31  |
| Letcher, 2.25 miles north of, west of road, at north side of fig grove, about 0.25 mile north of large white house, in root of 20-inch oak tree; nail, marked "666"-----        | 663. 03  |
| Letcher School, east of road, about 400 feet from flume, in root of 30-inch oak tree; nail, marked "695"-----   | 691. 89  |
| Letcher School, 1.3 miles north of, 40 feet east of road, at curve opposite barn, 400 yards east of house on side of hill, in root of 24-inch oak tree; nail, marked "737"----- | 733. 91  |

Primary leveling by L. F. Biggs in 1919

From Friant quadrangle along highways east across north part of Academy quadrangle, thence south to point near site of old Letcher schoolhouse

|   |          |
|---|----------|
| Sharpville, 1 mile southwest of, at Friant undertrack road crossing; southwest corner of trestle 8D, painted "U. S. 693"-----   | 692. 86  |
| Sharpville, 200 feet east of switch, 300 feet east of Huntington Lake and Toll House road forks, 40 feet south of track, in summit of large boulder; tablet stamped "759 1919 108 B B"-----   | 759. 437 |
| Sharpville, 0.8 mile east of, 60 feet south of Dry Creek, east side of road, summit of flat boulder; chiseled "U. S. 572"-----  | 572. 40  |
| Sharpville, 2 miles east of, south of road, opposite old ranch house, in root of 36-inch oak tree scribed "U. S. 614"; nail-----  | 614. 46  |
| Sharpville, 2.8 miles east of, 40 feet south of south road fence, in summit of large boulder; bronze tablet stamped "109 B B 1919 694"-----   | 694. 325 |
| Sharpville, 3.6 miles east of, 40 feet north of road, in root of 32-inch oak tree, scribed "U. S. 818"; spike-----  | 818. 83  |
| Sharpville, 5 miles east of, 100 feet northeast of Shaver and Toll House road forks, in base of 24-inch oak tree, scribed "U. S. 814"; spike-----   | 814. 48  |
| Letcher, 4.5 miles northeast of, 50 feet west of road, 300 feet south of road east, top of boulder; bronze tablet stamped "881 B B 1919 110"-----   | 881. 154 |
| Letcher, 3.5 miles northeast of, south of road, opposite T road north to Auberg; summit of boulder, painted "U. S. 750"-----  | 749. 93  |
| Letcher, 2.3 miles northeast of, 400 feet southeast of underflume crossing, 30 feet northeast of road, near site of old Letcher schoolhouse (removed), in base of 36-inch oak tree; nail----- | 691. 89  |

ACADEMY, CLOVIS, FRESNO, FRIANT, GREGG, MALAGA, AND SANGER 7½  
QUADRANGLES

[Latitude 36° 30'-37° ; longitude 119° 30'-120°]

## FRESNO COUNTY

Primary leveling by L. D. Ryus in 1901, 1902, and 1903 and by L. F. Biggs in 1908

## From Fresno east along stage road to Kingriver post office

|  | Feet    |
|--|---------|
| Fresno, Southern Pacific R. R. passenger station; aluminum tablet---   | 290.475 |
| Fresno, 3 miles east of station, 400 feet west of crossing of Sunnyside car line and Ventura Ave., 1 mile east of Fresno school, at south edge of road; iron post-----       | 305.335 |
| Fresno, 6 miles east of, northeast corner of Sunnyside vineyard, north side of Centerville road and west side of Fowler road at intersection; iron post stamped "323 B"----- | 323.565 |
| Fresno, 9 miles east of, on south edge of Centerville road, 40 feet east of section line, opposite square yellow house; iron post-----                                       | 348.185 |
| Centerville, 4 miles west of, 50 feet west of corner of section, at road crossing between wheat ranches, south edge of road; iron post----                                   | 373.495 |
| Centerville (Kingriver post office), 1 mile west of, 0.25 mile east of Fowler ditch, south edge of county road; iron post-----   | 394.150 |

From Fresno along Southern Pacific R. R. east to Las Palmas, thence north via Clovis to Pollasky, thence along highway west to closure on precise-level line at Madera (adjusted with Biggs's 1908 running)

|   |         |
|---|---------|
| Barton, 1.2 miles east of, in southeast corner of vineyard, north of schoolhouse, east of wagon road, south of track; iron post-----  | 317.106 |
| Tarpy, 150 feet north of station platform, at southwest corner of NW. ¼ sec. 20, T. 13 S., R. 21 E., on ditch bank west of track; iron post-----  | 347.664 |
| Clovis, west edge of railroad right of way, 75 feet south of first switch block south of planing mill; iron post-----   | 356.567 |
| Gordon, 150 feet north of south end of switch, at west edge of railroad right of way; iron post stamped "391"-----  | 391.611 |
| Pollasky, 450 feet south of station, opposite milepost 231, at east edge of railroad right of way; iron post stamped "337"-----   | 339.985 |
| Pollasky, 6.25 miles west of, 75 feet north of corner of small pasture at rocky point, south side of road; iron post stamped "451"-----   | 452.005 |
| Cottonwood schoolhouse, 0.5 mile north of, north side of road, against fence of adobe ranch; iron post stamped "342"-----   | 342.928 |
| Madera, 4 miles east of, 200 feet east of first small hill south of Sugar Pine and Madera road, 20 feet south of lumber flume, at north side of public road; iron post stamped "304"----- | 305.011 |

## From Clovis northeast along road to point near Letcher

|   |         |
|---|---------|
| Clovis, 3 miles northeast of, 50 feet north of flume section house 7, east side of road; iron post-----                     | 409.600 |
| Collins ranch, 1.1 miles east of, southwest of section house 6, south side of road, opposite curve in flume; iron post----- | 461.379 |
| Letcher, 0.5 mile north of, in granite rock in pasture, 50 feet east of county road; aluminum tablet stamped "601 F"-----   | 597.741 |

## BULLARD QUADRANGLE

[Latitude 36° 45'-36° 52' 30"; longitude 119° 45'-119° 52' 30"]

## FRESNO AND MADERA COUNTIES

Primary leveling by L. F. Biggs in 1919

From northeast corner of quadrangle along highways west and southwest to Midway grocery, thence west and south to milepost 199 on Southern Pacific R. R.

|  | Feet    |
|--|---------|
| Setch, 1.5 miles west of, south of road, at T road south, in power pole 114 painted "U. S. 371"; spike-----  | 371.52  |
| Setch, 2 miles west of, south of road, at road south, in power pole 122 painted "U. S. 363"; spike-----  | 363.22  |
| Lanes Bridge, 2.5 miles south of, 3 miles west of Setch, 250 feet north of T road east, west edge of road, at fence corner, in concrete post; bronze tablet stamped "359 1919 B B 18"-----                             | 359.984 |
| Lanes Bridge, 2 miles south of, west of road, at Y road northeast, in 42-inch gum tree scribed "U. S. 345"; spike-----   | 345.60  |
| Lanes Bridge, 1.1 miles south of, west of road, in corner fence post; spike, painted "U. S. 352"-----  | 352.38  |
| Lanes Bridge, 1.6 miles south of, east end of concrete canal culvert; chiseled square, marked "U. S. 352"-----   | 352.34  |
| Lanes Bridge, 2.1 miles south of, 50 feet southeast of crossroads, at Midway grocery, south end of concrete culvert; chiseled square, marked "U. S. 344"-----  | 345.00  |
| Midway grocery, 0.7 mile west of, in base of power pole 185, painted "U. S. 342"; spike-----   | 342.30  |
| Bullard, 1 mile north by 2 miles east of, 1,500 feet east of electric railroad crossing, northeast corner of crossroads, 6 feet east of power pole 206, in concrete post; bronze tablet stamped "335 19 B B 1919"----- | 335.780 |
| Bullard, 1 mile north by 1.5 miles east of, at crossroads, 1 mile south of E. J. Bullard's residence, in corner fence post painted "U. S. 327"; spike-----   | 326.85  |
| Bullard, 1 mile north by 1 mile east of, south end of concrete canal culvert; chiseled square, marked "U. S. 328"-----   | 328.03  |
| Bullard, 1 mile north of, east end of concrete inverted canal siphon; bronze tablet stamped "322 B B 1919 20"-----   | 322.244 |
| Bullard, west end of switch, at base of ladder at Atchison, Topeka & Santa Fe Ry. semaphore 9952, top of concrete; chiseled "U. S. 314"-----   | 313.74  |
| Bullard, 0.9 mile south of, in floor of canal bridge, scribed "U. S. 303"; spike-----  | 303.28  |
| Milepost 199 of Southern Pacific R. R., opposite fifth telephone pole north of, at west edge of right of way; iron post stamped "297 B" (Bull. 342, p. 17)-----  | 297.235 |

## GREGG AND HERNDON QUADRANGLES

[Latitude 36° 45'-37°; longitude 119° 52' 30''-120°]

## FRESNO AND MADERA COUNTIES

Precise leveling by C. H. Semper in 1902

From milepost 190 southeast along Southern Pacific R. R. to milepost 199

|   | Feet    |
|---|---------|
| Milepost 190, 8 feet south of, west side of track, at margin of high-way; iron post stamped "273 B"-----  | 274.457 |
| Milepost 193, 6 feet south of, west side of track, at margin of high-way; iron post stamped "284 B"-----  | 285.062 |
| Milepost 196, 300 feet south of, 55 feet east of track, at crossing; iron post stamped "300 B"-----       | 300.649 |
| Milepost 199, 10 feet south of, west side of track, at margin of high-way; iron post stamped "297 B"----- | 297.235 |

## BURREL QUADRANGLE

[Latitude 36° 22' 30''-36° 30'; longitude 119° 52' 30''-120°]

## FRESNO AND KINGS COUNTIES

Primary leveling by L. F. Biggs in 1919

From Wheatville quadrangle east along highways near north border of Burrel quadrangle into Riverdale quadrangle

|   | Feet    |
|---|---------|
| Burrel, 1.1 miles west of Y road southwest, southwest corner of concrete bridge over Fresno Slough; bronze tablet stamped "78 1919 B B 203"-----                            | 203.304 |
| Burrel, 300 feet northwest of depot, in crossing signboard, scribed "U. S. 200;" spike-----   | 200.09  |
| Burrel, 1,000 feet east of, south end of concrete culvert; chiseled square, marked "U. S. 205"-----   | 205.45  |
| Burrel, 1.1 miles east of; south end of concrete culvert, chiseled "U. S. 206"-----   | 207.10  |
| Burrel, 1.7 miles east of, southeast corner of sec. 36, T. 16 S., R. 18 E., at T road north; iron post stamped "U. S. E. D. 316 215.0"; (U. S. E. D. elevation=215.04)----- | 211.665 |
| Burrel, 2.7 miles east of, opposite second-class T road north, in telephone pole painted "U. S. 209"; spike-----  | 210.06  |
| Burrel, 3.8 miles east of, north of road at T fence north, in corner fence post painted "U. S. 212"; spike-----   | 213.00  |
| T. 16 S., R. 19 E., 20 feet east of southwest corner of sec. 34, north of road, at T fence north, in concrete post; bronze tablet stamped "214 1919 B B 72"-----            | 215.03  |
| T. 17 S., R. 19 E., 50 feet east of northwest corner of sec. 2, at T road south, in power pole painted "U. S. 223"; spike-----  | 223.42  |

Primary leveling by H. S. Senseney in 1923

Along west border of quadrangle into Wheatville quadrangle

|  |        |
|--|--------|
| T. 18 S., R. 18 E., at corner of secs. 1, 2, 11, and 12, east side of road, in fence post; railroad spike, marked "U. S. B. M. 217.6"----- | 218.55 |
|--|--------|

|   | Feet     |
|---|----------|
| Tps. 17 and 18 S., R. 18 E., at southeast corner of T-road east at corner of secs. 1, 2, 35, and 36, in fence post; railroad spike, marked "U. S. B. M. 212.8"----- | 213. 68  |
| T. 17 S., R. 18 E., 10 feet north by 15 feet east of T-road west, at corner of secs. 25, 26, 35, and 36; iron post stamped "25S 1923"---                            | 206. 265 |
| Reference mark, 40 feet north by 10 feet east of post, in top of corner fence post; copper nail and washer-----   | 208. 22  |
| T. 17 S., R. 18 E., at southwest corner of T-road south, at corner of secs. 23, 24, 25, and 26, in fence post; railroad spike, marked "U. S. B. M. 200.3"-----      | 201. 24  |
| T. 17 S., R. 18 E., on south side of road, at corner of secs. 22, 23, 26, and 27, in fence post; railroad spike, marked "U. S. B. M. 202.1"-----                    | 202. 98  |

#### Primary leveling by E. B. Steele in 1923

From southeast corner to northwest corner of quadrangle (leveled twice)

|   |          |
|---|----------|
| Reference mark, 660 feet east of P. B. M., in root on south side of willow tree; copper nail-----   | 217. 38  |
| T. 18 S., R. 19 E., in southeast corner of sec. 2, in northwest angle of T-road north; iron post stamped "Prim. Trav. Sta. No. 1 R. S. 1923," painted "U. S. 219.1 P. B. M."-----   | 219. 654 |
| Center of culvert, 260 feet west of T-road north; painted "215.7"---  | 216      |
| T. 18 S., R. 19 E., in northwest corner of sec. 11, in southeast angle of crossroads, in northeast corner of wooden culvert; copper nail, painted "U. S. 214.3 B. M."-----  | 214. 88  |
| Angle in road; nail in corner of fence post, painted "212.2"-----   | 213      |
| T. 18 S., R. 19 E., near quarter corner between secs. 3 and 4, at intersection of road north with levee along Fresno Slough, on top of levee at west end of gap in wire fence across levee; iron post stamped "R. S. 1923," painted "U. S. 221.3 P. B. M."----- | 221. 829 |
| Reference mark, 300 feet northwest of P. B. M., in base of willow tree; copper nail-----  | 223. 13  |
| Riverdale, 3.25 miles west by 2.8 miles south of, at intersection of power line and levee road along Fresno Slough, in base of power pole at road fork; railroad spike, painted "U. S. 215.9 B. M."-----  | 216. 40  |
| Riverdale, 3.75 miles west by 2.6 miles south of, 0.5 mile south of T-road east, on west edge of road along levee, in base of willow tree; railroad spike, painted "U. S. 215.2 B. M."-----   | 215. 78  |
| Riverdale, 3.75 miles west by 2 miles south of, at intersection of T-road east and Fresno Slough, on west edge of levee, in base of 14-inch willow tree; copper nail and washer, painted "U. S. 216.1 B. M."-----   | 216. 62  |
| Riverdale, 4 miles west by 1.5 miles south of, 2 miles southeast along levee from bridge over Fresno Slough, on west edge of levee, in base of willow tree; copper nail, painted "U. S. 213.9 B. M."-----   | 214. 49  |
| Riverdale, 5 miles west by 1 mile south of, 1 mile southeast of bridge over Fresno Slough, at angle in levee; iron post stamped "R. S. 1923," not painted-----  | 215. 156 |
| Riverdale, 6 miles west of, at northeast corner of bridge over Fresno Slough, in top of piling; copper nail and washer, painted "U. S. 211.1 B. M."-----  | 211. 65  |

|  | Feet    |
|--|---------|
| Riverdale, 6.5 miles west by 1 mile north of, 1 mile along levee road northwest from bridge over Fresno Slough, 50 feet southwest of wire gap crossing levee, in stump on levee; copper nail and washer, gatepost 50 feet north painted "U. S. 202.6 B. M."----- | 203.23  |
| Reference mark, 220 feet northwest of P. B. M., in base of willow tree; copper nail-----   | 210.31  |
| Riverdale, 7 miles west by 1 mile north of, T. 17 S., R. 18 E., near quarter corner on south side of sec. 14, on east edge of levee road, at T-road east, at gap in wire fence across levee; iron post stamped "R. S. 1923," painted "U. S. 209.1 P. B. M."----- | 209.743 |
| T. 17 S., R. 18 E., near corner of secs. 10, 11, 14, and 15, on levee road at T road east, in base of west post at gap in wire fence across levee; railroad spike, painted "U. S. 206.9 B. M."-----  | 207.52  |

## CARUTHERS QUADRANGLE

[Latitude 36° 30'-36° 37' 30"; longitude 119° 45'-119° 52' 30"]

## FRESNO COUNTY

Primary leveling by L. F. Biggs in 1919

From Raisin quadrangle east along highways in north part of Caruthers quadrangle into Conejo quadrangle

|  | Feet    |
|--|---------|
| T. 15 N., R. 19 E., southwest corner of sec. 23, 40 feet northwest of crossroads, in base of telephone pole 514 painted "U. S. 242"; spike-----  | 242.94  |
| T. 15 S., R. 19 E., northeast corner of sec. 25, 40 feet southwest of crossroads, in corner fence post painted "U. S. 245"; spike-----           | 245.54  |
| T. 15 S., R. 19 E., southwest corner of sec. 20, 50 feet northeast of crossroads; iron post stamped "75 1919 B B 256"-----                       | 256.574 |
| T. 15 S., R. 20 E., southwest corner of sec. 21, 40 feet northeast of crossroads, in power pole painted "U. S. 252"; spike-----                  | 252.54  |
| T. 15 S., R. 20 E., southwest corner of sec. 22, 40 feet northeast of crossroads, in telephone pole painted "U. S. 258"; spike-----              | 258.44  |
| T. 15 S., R. 20 E., northwest corner of sec. 26, 40 feet southeast of crossroads, in concrete post; bronze tablet stamped "76 265 1919 B B"----- | 265.624 |
| Highway bench mark, in power pole; spike, marked "265.84" (probably from Fresno)-----  | 265.84  |
| T. 15 S., R. 20 E., southwest corner of sec. 24, 40 feet northeast of crossroads, in power pole painted "U. S. 268"; spike-----                  | 268.69  |

## CITRUS COVE QUADRANGLE

[Latitude 36° 37' 30"-36° 45'; longitude 119° 15'-119° 22' 30"]

## FRESNO COUNTY

Primary leveling by L. F. Biggs in 1919

Along highways near south border of quadrangle (a jog from line on Sultana quadrangle)

|  | Feet    |
|--|---------|
| Orange Cove, 1.6 miles west of, 50 feet northwest of T road east, on fence line, in concrete post; bronze tablet stamped "1919 B B 105 404"----- | 404.491 |

## CLOVIS QUADRANGLE

[Latitude 36° 45'-36° 52' 30"; longitude 119° 37' 30"-119° 45']

## FRESNO COUNTY

Primary leveling by L. D. Ryus in 1901 and L. F. Biggs in 1919

From Malaga quadrangle north along Southern Pacific R. R. to Clovis (leveled twice)

|  | Feet     |
|--|----------|
| Las Palmas, 20 feet north of depot, in foot of telephone pole; railroad spike, marked "330"-----   | 327. 22  |
| Las Palmas, 1,800 feet north of, in wagon bridge over irrigation ditch-----  | 331. 2   |
| Tarpy, 1.8 miles south of, on west end of concrete culvert; chiseled square, marked "330"-----   | 330. 74  |
| Las Palmas, 1 mile northeast of, at foot of 215 milepost, in stake; nail, marked "335"-----  | 332. 36  |
| Tarpy; top of rail in 1901-----  | 337. 1   |
| Tarpy, 150 feet north of platform, at southwest corner N. W. ¼ N. W. ¼ sec. 20, T. 13 S., R. 21 E., on ditch bank, west of track; iron post stamped "350"----- | 347. 664 |
| Tarpy, 1 mile north of, 3,000 feet north of ditch, in foot of telephone pole opposite whistling post; railroad spike, marked "358"-----                        | 355. 55  |
| Melvin, 50 feet northeast of crossroads, on east end of concrete culvert; chiseled square-----   | 358. 81  |
| Clovis, 150 feet north of culvert, 300 feet south of sawmill, in foot of telephone pole; railroad spike-----   | 356. 08  |
| Clovis, at west edge of railroad right of way, 75 feet south of first switch block south of planing mill; iron post-----                                       | 356. 587 |

Primary leveling by L. D. Ryus in 1901

From Clovis northeast along highways to Collins, Round Mountain quadrangle

|  |          |
|--|----------|
| Clovis, 1 mile northeast of, at road crossing opposite white house, in bent of flume trestle; railroad spike, marked "376"-----                  | 373. 62  |
| Clovis, 2 miles northeast of, about 1 mile northeast of white house, opposite telephone pole, south of fence corner, in sill of flume; nail----- | 385. 00  |
| Clovis, 3 miles northeast of, east side of road, 130 feet south of section house 7, in foot of telephone pole; railroad spike, marked "406"----- | 403. 62  |
| Clovis, 3 miles northeast of, east side of wagon road, 50 feet north of, section house 7, iron post stamped (?)-----                             | 409. 600 |
| Section house 7, 1.12 miles northeast of, in sill of flume bent; nail marked "426"-----  | 423. 33  |

Primary leveling by L. F. Biggs in 1919

From Clovis along highways west and north to point near Gordon

|   |         |
|---|---------|
| Clovis, west part of town on east end of concrete culvert; chiseled square, marked "U. S. 359"-----                                   | 359. 72 |
| Clovis, 1 mile west of, in base of power pole marked "U. S. 350"; spike-----  | 350. 60 |
| Clovis, 1.5 miles west of, 50 feet southeast of crossroads, on east end of concrete culvert; chiseled square, marked "U. S. 347"----- | 347. 13 |



|  | Feet    |
|--|---------|
| Clovis, 2 miles west of, opposite T road north, in top of head gate, painted "U. S. 343"; spike-----   | 342.89  |
| Clovis, 2 miles west by 1 mile north of, 50 feet northeast of T road north, 10 feet west of power pole 237, in concrete post; bronze tablet (?) stamped "88 1919 B B 349"----- | 349.623 |
| Setch, 0.5 mile west by 1 mile south of, 50 feet southeast of crossroads; top of 2 by 2 inch redwood stake, scribed "U. S. 356"-----   | 356.37  |
| Setch, 0.5 mile west of, north end of concrete culvert; chiseled square, marked "U. S. 371"-----   | 371.838 |

## Primary leveling by L. F. Biggs in 1919

From Round Mountain quadrangle along highways west and north across north-east part of Clovis quadrangle into Friant quadrangle

|   |        |
|---|--------|
| Collins ranch, 1 mile west of, in base of power pole 59, painted "U. S. 420"; spike-----                        | 419.88 |
| Collins ranch, 2 miles west of, at angle in power line north, in power pole 42, painted "U. S. 410"; spike----- | 409.89 |

## CONEJO QUADRANGLE

[Latitude 36° 30'-36° 37' 30"; longitude 119° 37' 30"-119° 45']

## FRESNO COUNTY

## Precise leveling by C. H. Semper in 1901

From Malaga quadrangle southeast along Southern Pacific R. R. across north-east part of Conejo quadrangle into Selma quadrangle

|   | Feet    |
|---|---------|
| Fowler, 1.7 miles south of, 12 feet south of milepost 217, west side of track, at margin of highway; iron post stamped "304 B"----- | 304.367 |

## Primary leveling by L. F. Biggs in 1919

From Caruthers quadrangle east along highways to point 1.7 miles southeast of Fowler

|   |         |
|---|---------|
| T. 15 S., R. 20 E., southeast corner of sec. 24, on north end of concrete culvert; chiseled square, marked "U. S. 277"-----                             | 277.56  |
| Bowles, 300 feet north of station, on east end of concrete railroad culvert A A 989; chiseled square, marked "U. S. 277"-----                           | 278.13  |
| T. 15 S., R. 21 E., southwest corner of sec. 20, 40 feet northeast of crossroads, in telephone pole painted "U. S. 280"; spike-----                     | 281.20  |
| T. 15 S., R. 21 E., southeast corner of sec. 20, 40 feet northwest of crossroads, in concrete post; bronze tablet stamped "284 77 1919 B B"-----        | 285.323 |
| T. 15 S., R. 21 E., southeast corner of sec. 21, 40 feet northwest of crossroads, in telephone pole painted "U. S. 293"; spike-----                     | 293.34  |
| T. 15 S., R. 21 E., southwest corner of sec. 23, 50 feet northeast of crossroads, in telephone pole painted "U. S. 302"; spike-----                     | 302.53  |
| T. 15 S., R. 21 E., southeast corner of sec. 23, 40 feet northwest of crossroads, in telephone pole painted "U. S. 296"; spike-----                     | 296.97  |
| Fowler, 1.7 miles south of, 12 feet south of milepost 217, west of track, at margin of highway; iron post stamped "304" (Bull. 342, p. 18, +0.496)----- | 304.367 |

## DINUBA QUADRANGLE

[Latitude 36° 30'-37°; longitude 119°-119° 30']

## FRESNO AND TULARE COUNTIES

Primary leveling by R. A. Farmer in 1904-5 and by L. D. Ryus in 1901

## From Rodgers Ridge southwest to Dunlap

|   | Feet       |
|---|------------|
| Three Springs, 11.75 miles southwest of, between South and North forks of Kings River, at point where Rodgers trail from river reaches summit, 10 feet west of trail, in rock; bronze tablet----- | 4, 672. 98 |
| Kings River, crossing on Rodgers trail at Flume station No. 3, 130 feet north of river, 100 feet north of trail, in rock; bronze tablet stamped "1030"-----                                       | 1, 034. 08 |
| Dunlap, 7 miles north of, 4.33 miles south of Kings River, 2 miles north of Akers (jr.) house, in saddle of ridge, 50 feet west of trail, in granite ledge; bronze tablet-----                    | 3, 566. 23 |
| Dunlap, 5 miles north of, summit of divide between Dunlap and White Deer Flat, southwest corner of pasture, 50 feet east of road, inside of fence; bronze tablet-----                             | 2, 399. 94 |
| Dunlap, 25 feet east of gate to Mountain Home Hotel, flush with ground, against fence, in rock; bronze tablet-----  | 1, 915. 38 |

## From Millwood west to Dunlap

|  |            |
|--|------------|
| Millwood, opposite junction of flumes at north side of Sanger Lumber Co.'s shipping yard, in granite ledge in hill; bronze tablet----- | 5, 111. 93 |
| Dunlap, 2 miles east of, north side of road, at point of hill, in granite ledge 4 feet high; bronze tablet-----                        | 2, 388. 98 |

## From Centerville (old Kingsriver post office) east to Dunlap

|  |            |
|--|------------|
| Centerville, 3 miles east of, at intersection of Millwood and Sanger and Reedly roads, at southwest corner of vineyard; iron post-----   | 396. 180   |
| Centerville, 7 miles east of, in front of Clarks Valley church, south side of road, in top of granite ledge; aluminum tablet-----  | 471. 14    |
| Centerville, 10 miles east of, 3 miles east of Clarks Valley church, 1.75 miles west of Street's eating house, 0.25 mile east of small ridge crossing road, granite rock, 4 by 8 by 114 feet, on road right of way; aluminum tablet stamped "587 F" (?)----- | 587. 66    |
| Squaw Valley post office, 100 feet southeast of, in rock; aluminum tablet stamped "1692 F"-----  | 1, 693. 95 |
| Dunlap, 5.4 miles west of, 5.33 miles east of Squaw Valley store, 2 miles west of Mr. Irvin's house, west side of tributary of Mill Creek, 5 feet north of road, in top of granite ledge; aluminum tablet stamped "1501 F"-----                              | 1, 502. 70 |

## From point near Letcher northeast to Humphreys station

|  |             |
|--|-------------|
| Humphreys, 700 yards north of station, 6 feet west of road, 100 feet west of creek, at small flat, in granite ledge; aluminum tablet stamped "1048 F"----- | 1, 044. 924 |
|--|-------------|

## EXETER QUADRANGLE

[Latitude 36° 15'-36° 22' 23''; longitude 119° 07' 30''-119° 15']

## TULARE COUNTY

Primary leveling by H. S. Senseney in 1923

## Along south border of quadrangle

Feet

|  |         |
|--|---------|
| T. 19 S., R. 25 E., 110 feet west of T road south, at corner of secs. 22, 23, 26, and 27, on south side of road, in concrete culvert; chiseled square, marked "U. S. B. M. 334.0"----- | 334.55  |
| T. 19 S., R. 25 E., 65 feet north of corner of secs. 23, 24, 25, and 26, east side of road, in telephone pole; railroad spike, marked "U. S. B. M. 335.0"-----                         | 335.47  |
| T. 19 S., Rs. 25 and 26 E., at corner of secs. 19, 24, 25, and 30, 25 feet north by 50 feet west of crossroads; iron post stamped "28 S 1923"-----                                     | 341.548 |
| T. 19 S., R. 26 E., at corner of secs. 19, 20, 29, and 30, on north side of road, in corner post of fence running north; railroad spike, marked "U. S. B. M. 338.1"-----               | 338.53  |
| T. 19 S., R. 26 E., at northwest corner of T road north, at corner of secs. 20, 21, 28, and 29, in fence post; railroad spike, marked "U. S. B. M. 339.6"-----                         | 340.03  |
| T. 19 S., R. 26 E., at corner of secs. 21, 22, 27, and 28, at southeast corner of crossroads, in telephone pole; railroad spike, marked "U. S. B. M. 346.5"-----                       | 346.98  |

Primary leveling by F. R. Swearingen in 1923

From center of west edge of quadrangle north along west border into Klink quadrangle

|   |        |
|---|--------|
| T. 18 S., R. 25 E., at corner of secs. 21, 22, 27, and 28, 30 feet south by 15 feet east of intersection of T road south, in telephone pole; railroad spike, marked "U. S. 344.2 B. M."-----                          | 344.58 |
| T. 18 S., R. 25 E., near quarter corner of secs. 22 and 27, 35 feet north by 10 feet east of junction with T road north, in telephone pole; railroad spike, marked "U. S. 346.9 B. M."-----                           | 347.28 |
| St. Johns River, center of bridge over-----   | 352.9  |
| T. 18 S., R. 25 E., near quarter corner of secs. 15 and 22, on west side of road, in telephone pole; railroad spike, marked "U. S. 348.3 B. M."-----  | 348.71 |
| T. 18 S., R. 25 E., near quarter corner of secs. 10 and 15, 228 feet north by 12 feet west of intersection of crossroads, in base of 42-inch cottonwood tree; copper nail and washer, marked "U. S. 348.0 B. M."----- | 348.36 |

## Near center of east border of quadrangle

|  |         |
|--|---------|
| T. 18 S., R. 25 E., at quarter corner of secs. 27 and 34, 0.25 mile east of East Lynne School, in southeast angle of T road south; iron post stamped "3 M 1923," telephone pole, marked "U. S. 345.6 B. M."----- | 346.079 |
| Reference mark, 10 feet west by 20 feet north of P. B. M.; iron plug in center of highway-----   | 346.26  |

QUADRANGLE COMPRISING CARUTHERS, FRESNO, KEARNEY PARK, AND  
RAISIN QUADRANGLES

[Latitude 36° 30' - 36° 45'; longitude 119° 45' - 120°]

FRESNO COUNTY

Primary leveling by Corps of Engineers, U. S. Army, in San Joaquin Valley  
in 1913-14

|  | Feet     |
|--|----------|
| T. 15 S., R. 18 E., 100 feet north of southeast corner of sec. 34, on fence line; iron post (U. S. C. E. b. m. No. 322)-----   | 207. 077 |
| T. 16 S., R. 19 E., 35 feet southeast of northwest corner of sec. 2, 50 feet east of San Joaquin Light & Power Co.'s pole line, southeast corner of Cornelia Ave. and unnamed road, in fence corner; iron post (U. S. C. E. b. m. No. 323)-----  | 241. 575 |
| T. 15 S., R. 20 E., 40 feet northwest of southeast corner of sec. 36, northwest corner of Winery Ave. and Chestnut Ave., in fence corner; iron post (U. S. C. E. b. m. No. 324)-----   | 275. 743 |
| T. 14 S., R. 20 E., 50 feet northeast of southwest corner of sec. 31, in fence corner, northwest corner of Washington Ave. and Cross Ave.; iron post set in cement (U. S. C. E. b. m. No. 325)-----  | 256. 911 |
| McMullin, 0.5 mile north of, 200 feet north of second telegraph pole north of Coalinga road crossing, west side of Southern Pacific Co.'s Kerman to Hardwick branch, beside fence line; iron post (U. S. C. E. b. m. No. 326)-----   | 225. 190 |
| Station sign "Floyd," 25 feet northwest of, in fence angle on Southern Pacific Co.'s station reservation, south side of White's bridge road, 110 feet west of Southern Pacific Co.'s Tracy-Fresno line; iron post (U. S. C. E. b. m. No. 335)-----   | 241. 735 |
| T. 14 S., R. 19 E., near southwest corner of sec. 2, southeast corner of White's bridge road and Cornelia Ave., 5 feet east of San Joaquin Light & Power Co.'s power pole; iron post (U. S. C. E. b. m. No. 336)-----  | 266. 857 |
| Herndon, 0.7 mile northwest of, at intersection of east and west fence with Southern Pacific Co.'s fence, 48 feet southwest of southwest rail, 500 feet southeast of southeast end of Southern Pacific Co.'s bridge over San Joaquin River; red metal disk (U. S. C. E. b. m. No. 337)-----                                    | 285. 901 |
| T. 13 S., R. 19 E., 4,100 feet north and 2,000 feet east of southwest corner of sec. 6, 1 mile southwest of Herndon Bridge, 700 feet west of E. H. Bowers's house, south side of river, 93 feet from edge of bank at point where high bank leaves river, north of river road; iron post (U. S. C. E. b. m. No. 338)-----       | 282. 57  |
| T. 13 S., R. 18 E., 2.1 miles southwest of Herndon Southern Pacific R. R. bridge, south side of river road, 35 feet south of top of south river bank, 30 feet north of northeast corner of Ben Ipstein's house, 3,300 feet north and 1,100 feet east of southwest corner of sec. 1; iron post (U. S. C. E. b. m. No. 339)----- | 283. 67  |
| T. 13 S., R. 18 E., 3,300 feet north and 300 feet west of southeast corner of sec. 3, in row of eucalyptus trees, 300 feet west of Jamesan Ave., on dividing line between peach and apricot orchards, on property of Alec. Meneely, just south of road along river bank; iron post (U. S. C. E. b. m. No. 340)-----            | 280. 54  |

## Precise leveling by C. H. Semper in 1901

From Bullard quadrangle southeast along Southern Pacific R. R. into Malaga quadrangle

|   | Feet     |
|---|----------|
| Milepost 202, 245 feet south of, west side of track, at edge of highway; iron post stamped "296 B"-----                           | 296. 408 |
| Fresno, in west face of passenger station, south of door to gentlemen's waiting room; aluminum tablet stamped "290 B"-----        | 290. 475 |
| Fresno, opposite south end of passenger station; top rail of main line-----   | 287. 6   |
| Fresno, 1 mile south of, at Cherry Ave. crossing; top of rail-----  | 286. 8   |
| Fresno, 2.3 miles south of, 14 feet south of milepost 208, west side of track, at edge of highway; iron post stamped "286 B"----- | 286. 910 |
| Crossing of Santa Fe and Southern Pacific railroads; top of rail----  | 290. 8   |

## FRIANT QUADRANGLE

[Latitude 36° 52' 30"-37°; longitude 119° 37' 30"-119° 45']

## FRESNO AND MADERA COUNTIES

## Primary leveling by L. F. Biggs in 1919

From point near northeast corner of Clovis quadrangle along highways north and west to Gordon, in south part of Friant quadrangle, thence south to Clovis

|  | Feet     |
|--|----------|
| Gordon, 4 miles east and 1 mile south of, 1,000 feet west of Smith's ranch house, 50 feet east of angle in power line south, south of road, in concrete post; bronze tablet stamped "83 1919 B B 409"----- | 409. 554 |
| Gordon, 3.6 miles east of, 100 feet west of substation, in base of concrete; chiseled "U. S. 403"-----   | 403. 55  |
| Gordon, 3 miles east of, at T road south, in power pole 10 painted "U. S. 391"; spike-----   | 391. 67  |
| Gordon, 2 miles east of, south of road, at T fence south, in concrete post; bronze tablet stamped "1919 B B 84 394"-----   | 394. 319 |
| Gordon, 1 mile east of, 40 feet southwest of T road south, in corner fence post painted "U. S. 393"; spike-----  | 393. 66  |
| Gordon, 150 feet north of, south end of switch, at west edge of railroad right of way; iron post stamped "391"-----  | 391. 611 |
| Setch, 1 mile north of, east side of road, in power pole 76, painted "U. S. 375"-----  | 375. 55  |

From point 1 mile east of Gordon along railroad northeast to Shipp, thence east to Academy quadrangle

|   |         |
|---|---------|
| Gordon, 1 mile east of, 40 feet southwest of T road south, in corner fence post painted "U. S. 393"; spike-----         | 393. 66 |
| El Prado, 1 mile northeast of, 40 feet east of road crossing, in base of telephone pole painted "U. S. 408"; spike----- | 408. 79 |
| El Prado, 2 miles northeast of, in base of milepost 2 painted "U. S. 418"; spike-----                                   | 418. 96 |
| El Prado, 3 miles northeast of, in base of milepost 3 painted "U. S. 433"; spike-----                                   | 433. 71 |
| El Prado, 4 miles northeast of, in base of milepost 4 painted "U. S. 437"; spike-----                                   | 437. 79 |

|   | Feet    |
|---|---------|
| Shipp, 0.2 mile west of, 15 feet south of track, 100 feet south of and 40 feet above highway, at rocky point, in ledge; bronze tablet stamped "107 1919 B B 437"----- | 437.526 |
| Shipp, opposite signboard; top of rail-----   | 426.67  |
| Shipp, 0.6 mile east of, 100 feet east of crossing of track and highway; summit of boulder painted "U. S. 406"-----   | 406.21  |
| Shipp, 1.6 miles east of, east side of road, in base of 24-inch oak tree scribed "U. S. 531"; spike-----  | 531.71  |
| Sharpssville, 2 miles southwest of, north of road, in telephone pole painted "U. S. 659"; spike-----  | 659.60  |

Primary leveling by L. D. Ryus in 1901 and by L. F. Biggs twice in 1908

From Clovis quadrangle north along highways through west part of Friant quadrangle into Sulphur Springs quadrangle (leveled three times)

|  |         |
|--|---------|
| Pollasky, 450 feet south of station, opposite milepost 231, at east edge of right of way of railroad; iron post stamped "337"-----         | 339.985 |
| Pollasky, northeast corner of bridge over San Joaquin River, on concrete guard, 5 feet from fence corner; aluminum tablet stamped "U"----- | 330.864 |

#### GOSHEN QUADRANGLE

[Latitude 36° 15' -36° 22' 30"; longitude 119° 22' 30' -119° 30']

#### KINGS AND TULARE COUNTIES

Primary leveling by H. S. Senseney in 1923

Along south border of quadrangle (east portion of line leveled twice)

|   | Feet    |
|---|---------|
| T. 19 S., R. 23 E., at northwest corner of crossroads, at corner of secs. 21, 22, 27, and 28, in fence post; railroad spike, marked "U. S. B. M. 257.7"-----                                      | 258.61  |
| T. 19 S., R. 23 E., at southwest corner of crossroads, at corner of secs. 22, 23, 26, and 27, in fence post; railroad spike, marked "U. S. B. M. 260.7"-----                                      | 261.61  |
| T. 19 S., R. 23 E., 20 feet south by 25 feet east of T road south, at corner of secs. 23, 24, 25, and 26; iron post stamped "12 S 1923"-----  | 267.654 |
| Reference mark, 12 feet west of post, in fence post; railroad spike-----  | 267.42  |
| T. 19 S., R. 23 E., at quarter corner between secs. 24 and 25, at northwest corner of T road west, in telephone pole; railroad spike "U. S. B. M. 270.7"-----                                     | 271.67  |
| T. 19 S., R. 23 E., at quarter corner at center of sec. 24, at southwest corner of T road south, in fence post; railroad spike, marked "U. S. B. M. 271.2"-----                                   | 272.206 |
| T. 19 S., Rs. 23 and 24 E., at quarter corner between secs. 19 and 24, in northeast corner of T road north, in concrete base of property corner; chiseled square, marked "U. S. B. M. 274.3"----- | 275.32  |
| T. 19 S., R. 24 E., near quarter corner between secs. 19 and 20, on north side of road, at west end of gate; iron post stamped "R. S. 1923"-----  | 280.191 |
| T. 19 S., R. 24 E., at southeast corner of T road south, at quarter corner between secs. 20 and 21, in telephone pole; railroad spike, marked "U. S. B. M. 285.5"-----                            | 286.54  |

## Along west border of quadrangle

|   | Feet    |
|---|---------|
| T. 19 S., R. 23 E., 20 feet south by 35 feet west of crossroads, at corner of secs. 20, 21, 28, and 29; iron post stamped "9-S-1923"-----                               | 251.524 |
| Reference mark, 90 feet southeast of post, in root of tree; copper nail and washer-----   | 250.40  |
| T. 19 S., R. 23 E., at corner of secs. 16, 17, 20, and 21, at southwest corner of crossroads, in telephone pole; railroad spike, marked "U. S. B. M. 252.2"-----        | 253.07  |
| T. 19 S., R. 23 E., at corner of secs. 8, 9, 16, and 17, at southeast corner of T road east, in fence post; railroad spike marked "U. S. B. M. 254.5"-----              | 255.42  |
| T. 19 S., R. 23 E., at corner of secs. 4, 5, 8, and 9, 30 feet north by 30 feet west of crossroads; iron post stamped "10-S-1923"-----                                  | 257.942 |
| Reference mark, 40 feet west by 110 feet south of post, in root of tree; copper nail and washer-----  | 257.99  |
| Tps. 18 and 19 S., R. 23 E., at corner of secs. 4, 5, 32, and 33, at southwest corner of crossroads, in telephone pole; railroad spike, marked "U. S. B. M. 257.6"----- | 258.46  |
| T. 18 S., R. 23 E., at corner of secs. 28, 29, 32, and 33, at northwest corner of crossroads, in telephone pole; railroad spike, marked "U. S. B. M. 260.2"-----        | 261.09  |
| T. 18 S., R. 23 E., at corner of secs. 20, 21, 28, and 29, 25 feet south by 40 feet west of crossroads; iron post stamped "11 S 1923"-----                              | 261.300 |
| Reference mark, 18 feet east of post, in telephone pole; railroad spike-----  | 260.94  |
| T. 18 S., R. 23 E., quarter corner between secs. 16 and 17, in top of 4 by 4 inch corner post; copper nail and washer, marked "U. S. B. M. 259.1"-----                  | 259.98  |

## Primary leveling by F. R. Swearingen in 1923

## Along north border of quadrangle

|  |         |
|--|---------|
| T. 18 S., R. 24 E., at corner of secs. 8, 9, 16, and 17, south side of road in corner post of T fence south; railroad spike, marked "U. S. B. M. 295.7"-----   | 296.08  |
| T. 18 S., R. 24 E., at corner of secs. 7, 8, 17, and 18, 1,320 feet north by 20 feet east of junction with T road north, in corner fence post; railroad spike, marked "U. S. 290.9 B. M."-----       | 291.35  |
| T. 18 S., Rs. 23 and 24 E., at corner of secs. 7, 12, 13, and 18, 20 feet east by 30 feet south of junction with T road south, in corner fence post; railroad spike, marked "U. S. 284.3 B. M."----- | 284.74  |
| Milepost 239, 10 feet south of, west side of track, at edge of highway; iron post stamped "280 B"-----   | 280.457 |

## Primary leveling by R. B. Steele in 1923

|  |        |
|--|--------|
| T. 18 S., R. 23 E., in northwest corner of sec. 13, in southeast angle of T road south, in base of power pole; railroad spike, painted "U. S. 276.9 B. M."-----  | 277.48 |
| T road south; gate post south, painted "274.0"-----  | 274    |
| T. 18 S., R. 23 E., in southeast corner of sec. 11, on north side of east and west road, at north and south fence line, in base of east gate post; railroad spike, post painted "U. S. 272.6 B. M."----- | 273.13 |

|  | Feet    |
|--|---------|
| T. 18 S., R. 23 E., at quarter corner between secs. 10 and 15, in base of south gate post of fence line south; railroad spike, painted "U. S. 268.1 B. M."-----  | 268.70  |
| T. 18 S., R. 23 E., 40 feet south of northwest corner of sec. 15, 1 foot east of fence line; iron post stamped "R. S. 1923," fence post 2 feet southwest painted "U. S. 265.5 P. B. M."-----   | 266.082 |
| Reference mark, 45 feet northeast of P. B. M., in base of fence post, in fence line east; railroad spike-----  | 265.60  |
| T. 18 S., R. 23 E., near corner of secs. 8, 9, 16, and 17, on west bank of east branch of Cross Creek, in root of 36-inch willow tree; copper nail and washer, tree painted "U. S. 258.4 B. M."-----   | 258.978 |
| <b>Along Southern Pacific R. R. from north border of quadrangle to milepost 242</b>  |         |
| Reference mark, 840 feet north of P. B. M., east head wall of concrete culvert, top of south end; chiseled square-----   | 281.98  |
| Goshen, 1.25 miles north of, 450 feet north of milepost 238, on west side of Southern Pacific R. R. track, 2 feet east of right of way fence; iron post stamped "280 B"-----   | 280.457 |
| Goshen, 350 feet north of Southern Pacific R. R. station, on east side of track, in base of milepost 239; railroad spike, pole north painted "U. S. 283.3 B. M."-----  | 283.94  |
| Goshen, 1 mile south of, on east side of Southern Pacific R. R. track, in base of milepost 240; railroad spike, painted "U. S. 283.0 B. M."-----   | 283.65  |
| Goshen, 1.85 miles south of, 760 feet north of milepost 241, on east side of Southern Pacific R. R. track; iron post stamped "286 B"-----  | 286.817 |
| Reference mark, 400 feet south of P. B. M., east head wall of concrete culvert, top of south end; chiseled square-----   | 286.13  |
| Goshen, 3 miles south of, on east side of Southern Pacific R. R. track, 200 feet south of milepost 242, on east edge of State highway, east head wall of concrete culvert, center of top; chiseled square, fence east painted "U. S. 288.8 B. M."----- | 289.51  |

Primary leveling by F. R. Swearingen in 1923

|  |         |
|--|---------|
| <b>From Southern Pacific R. R. milepost 241 east along highway to east border of quadrangle</b>  |         |
| Goshen, 1.4 miles southeast of, opposite milepost 241, east side of track, at edge of highway; iron post stamped "286 B"-----                                | 286.817 |
| Reference mark, 400 feet south of P. B. M., east head wall of concrete culvert, top of south end; chiseled square-----                                       | 286.14  |
| T. 18 S., R. 24 E., at corner of secs. 28, 29, 32, and 33, at T road north, in corner post of T fence south; railroad spike, marked "U. S. 296.4 B. M."----- | 296.91  |

**EXETER, GOSHEN, LEMONCOVE, NO. 35, AND VISALIA QUADRANGLES**

[Latitude 36° 15'-36° 30'; longitude 119°-119° 30']

**TULARE COUNTY**

Primary leveling by W. V. Hardy in 1902 and by R. A. Farmer in 1904-5

From Goshen east via Southern Pacific R. R. to Visalia

|  | Feet   |
|--|--------|
| Goshen, 0.4 mile south of, east side of track, opposite milepost 241; spike in telegraph pole----- | 283.14 |



Feet

|  |          |
|--|----------|
| Goshen, 3.62 miles east of, about 600 feet south of G. D. Smith's ranch house, 60 feet southeast of crossing, 30 feet south of track, north of road, 3 feet west of telegraph pole; iron post stamped "307 G"----- | 307. 526 |
| Visalia courthouse, east entrance, at foot of steps; center of the letter "G" in the name "Gay" on cement sidewalk-----  | 331. 01  |
| Visalia courthouse, at east side of steps at south entrance, in granite baluster; aluminum tablet stamped "334 G"-----   | 334. 363 |

## From Visalia east along county road to Lemoncove

|  |          |
|--|----------|
| Mineral King ranch house, 500 feet west of, in northeast angle of road junction, near corner fence post; iron post stamped "362 G"-----  | 362. 330 |
| Lemoncove, 8.87 miles west of, 60 feet southwest of crossing, near junction of railroad fence with wagon-road fence; iron post stamped "388 G"-----  | 388. 508 |
| Lemoncove, 4.76 miles west of, 50 feet southwest of Tom Hushback's ranch house, northeast angle of road junction, 1.5 feet southeast of southwest corner of yard; iron post stamped "420 G"----- | 420. 325 |
| Lemoncove School, 2 feet east of, midway between north and south entrances; iron post stamped "510 G" (redetermined 1923)---   | 511. 753 |

## From Portersville northwest along highway and Southern Pacific R. R. to point east of Visalia

|   |          |
|---|----------|
| Portersville School, south side of, 6 inches east of entrance, 12 inches above porch floor; aluminum tablet stamped "453 G"-----  | 458. 554 |
| Sam Bend's saloon, 1.15 miles south of, 70 feet southwest of road intersection, 30 inches east of telephone pole; iron post stamped "396 G"-----                          | 396. 881 |
| Lindsay School, south side of, 24 inches east of entrance, 18 inches above ground; aluminum tablet stamped "383 G"-----   | 383. 127 |
| Exeter, 3.25 miles south of, 90 feet north of crossing, 30 inches east of railroad fence, 36 inches southeast of electric power line pole; iron post stamped "353 G"----- | 355. 147 |
| Exeter School, north of steps at northwest entrance, in west face of granite baluster, 24 inches above ground; aluminum tablet stamped "391 G"-----                       | 391. 025 |
| Exeter, in front of station; top of east rail-----  | 387. 0   |

## From crossroads 3 miles west of Lemoncove southeast via wagon road to Yokohl School

|   |          |
|---|----------|
| James Hamilton's ranch house, 1.21 miles south of, northwest angle of road junction, near corner of fence; iron post stamped "499 G"----- | 499. 626 |
|---|----------|

## From Portersville west along highway to Tipton

|   |          |
|---|----------|
| Portersville, 1 mile south by 1.5 miles west of, south side of road, Percell ranch; iron post stamped "433"-----  | 433. 436 |
| Poplar, 2 miles east of, 4.5 miles west by 1 mile south of Portersville, at southeast corner of road crossing, 8 feet south of telephone pole; iron post stamped "396"----- | 396. 612 |
| Tipton, 5 miles east of, 4 miles west of Poplar, northwest corner of pasture, southwest corner of road crossing; iron post stamped "328"-----                               | 328. 541 |

## GOSHEN, HANFORD, LEMOORE, NO. 33, AND NO. 34 QUADRANGLES

[Latitude 36° 15'-36° 22' 30"; longitude 119° 22' 30"-120°]

## FRESNO, KINGS, AND TULARE COUNTIES

Primary leveling in 1903 by W. V. Hardy

| From Goshen west along wagon road to Lemoore, thence west along Southern Pacific R. R. to bench mark 4, miles west of Lethent                                    |  | Feet    |
|--|--|---------|
| Goshen, 6.34 miles west of, 100 feet northwest of road crossing, 50 feet north of track, 2 feet east of corner of railroad fence; iron post stamped "251 G"----- |  | 251.698 |
| Hanford, 4.58 miles northeast of, northwest angle of road intersection; iron post stamped "255 G"-----   |  | 255.265 |
| Hanford, Kings County courthouse, east side of south entrance, in granite baluster; aluminum tablet stamped "250 G"-----   |  | 250.885 |
| Armona School, 180 feet northwest of, south of gate, at northwest corner of yard; iron post stamped "237 G"-----   |  | 237.711 |
| Lemoore, Union High School, north side of east entrance, in foundation wall, 1 foot above surface of ground; aluminum tablet stamped "223 G"-----                |  | 223.699 |
| Lethent, 60 feet northwest of barn, south of track, 2.5 feet east of telegraph milepole 287; iron post stamped "219 G"-----                                      |  | 219.635 |
| Lethent, 4 miles southwest of, 4 feet east of telegraph milepole 271, south of track; iron post stamped "250 G"-----   |  | 250.618 |

## GREGG QUADRANGLE

[Latitude 36° 52' 30"-37°; longitude 119° 52' 30"-120°]

## MADERA COUNTY

Primary leveling by L. F. Biggs in 1919

| From Madera quadrangle east along highways near south border to milepost 190 of Southern Pacific R. R.   |  | Feet    |
|--|--|---------|
| T. 12 S., R. 18 E., south side of sec. 14, 30 feet northeast of cross-roads, 100 feet northwest of railroad crossing 191 AB, on line between State highway and Southern Pacific R. R., in top of concrete highway boundary post chiseled "U. S. 277"; copper nail----- |  | 277.70  |
| Milepost 190, opposite fifth telephone pole north of, west side of track, at edge of highway; iron post stamped "273 B"-----   |  | 274.457 |
| From Southern Pacific R. R. east along highways near south border of quadrangle into Lanes Bridge quadrangle (leveled twice)   |  |         |
| T. 12 S., R. 18 E., northwest corner of sec. 24, south edge of road; top of 1-inch gas pipe stamped "284"-----   |  | 284.05  |
| T. 12 S., R. 19 E., southeast corner of sec. 13, at road south, in corner fence post scribed "U. S. 289"; spike-----   |  | 289.82  |
| Gregg, east margin of Atchison, Topeka & Santa Fe Ry., at north edge of highway, 50 feet northeast of crossing, 350 feet southeast of Greenleaf triangulation station, in concrete post; aluminum tablet stamped "293 1919 B B 15"-----                                |  | 293.192 |
| Gregg, 1.4 miles east of, south of road, at T road south, in telephone pole scribed "U. S. 299"; spike-----  |  | 299.64  |
| Gregg, 2.4 miles east of, north of road, at T road north, in corner fence post scribed "U. S. 309"; spike-----   |  | 309.07  |

## HANFORD QUADRANGLE

[Latitude 36° 15'-36° 22' 30"; longitude 119° 37' 30"-119° 45']

## KINGS COUNTY

## Primary leveling by R. B. Steele in 1923

| From Hanford north along east border of quadrangle into Laton quadrangle  |         |
|---|---------|
|   | Feet    |
| Hanford, Kings County courthouse, east side of south entrance, in granite balustrade; aluminum tablet stamped "250 G"-----  | 250.885 |
| Hanford, East Seventh St. and State highway, east edge of intersection, T. 18 S., Rs. 21 and 22 E., corner of secs. 25, 30, 31, and 36; top of iron stake marking section corner, telephone pole southeast painted "U. S. 245.8 B. M."----- | 246.42  |
| Hanford, 1 mile north of East Seventh St. on State highway, in northwest angle of crossroads, in concrete base of gas station, on top at northeast end; chiseled square, telephone pole southeast painted "U. S. 250.3 B. M."-----          | 250.681 |
| T. 18 S., Rs. 21 and 22 E., quarter corner between secs. 19 and 24; iron stake marking quarter corner, top of fence painted "253.6"-----  | 254.0   |
| T. 18 S., Rs. 21 and 22 E., corner of secs. 13, 18, 19, and 24, junction with T road east; top of iron stake marking section corner, painted "U. S. 250.6 B. M."-----   | 251.00  |
| Junction with T road east; top of iron stake, painted "250.4"-----  | 250.7   |
| Reference mark, 200 feet south of P. B. M., top of east end of concrete culvert; chiseled square-----   | 255.46  |
| T. 18 S., R. 22 E., southwest corner of sec. 7, in northeast angle of crossroads; iron post stamped "Prim. Trav. Sta. No. 7 R. S. 1923," fence painted "U. S. 254.9 P. B. M."-----  | 255.262 |
| Along north border of quadrangle  |         |
| Center of T road south, painted "252.1"-----  | 253     |
| T. 18 S., R. 21 E., in northeast corner of sec. 14, in southwest angle of crossroads, in base of corner fence post; wrought-iron nail, painted "U. S. 253.1 B. M."-----   | 253.65  |
| Center of road crossing on Atchison, Topeka & Santa Fe Ry. track; top of east rail, painted "256.0"-----  | 257     |
| Reference mark, 40 feet northwest of P. B. M.; iron stake at center of crossroads,-----   | 254.17  |
| T. 18 S., R. 21 E., in northwest corner of sec. 14, in southeast angle of crossroads, at Lucerne School; iron post stamped "Prim. Trav. Sta. No. 6 R. S. 1923," painted "U. S. 254.3 P. B. M."-----   | 254.866 |
| T. 18 S., R. 21 E., in northwest corner of sec. 15, in southeast angle of crossroads, in base of corner fence post; railroad spike, pole east painted "U. S. 249.4 B. M."-----  | 249.91  |
| T. 18 S., R. 21 E., at corner of secs. 8, 9, 16, and 17, center of crossroads; iron stake marking section corner, guy post northwest painted "U. S. 240.5 B. M."-----   | 241.07  |
| Center of road crossing on Southern Pacific R. R.; top of east rail, tie painted "243.6"-----   | 244     |
| T. 18 S., R. 21 E., in southwest corner of sec. 8, in northeast angle of crossroads; iron post stamped "Prim. Trav. Sta. No. 5 R. S. 1923," painted "U. S. 240.0 P. B. M."-----   | 240.586 |
| Lemoore Canal, center of bridge over, painted "241.9"-----  | 242.5   |

|  | Feet    |
|--|---------|
| T. 18 S., R. 20 E., in northeast corner of section 13, in southwest angle of crossroads, in base of power pole; railroad spike, painted "U. S. 235.9 B. M."----- | 236.481 |
| Center of bridge over slough; not painted-----   | 236     |

Primary leveling by H. S. Senseney in 1923

From Hanford along east, south, and west borders of quadrangle to northwest corner of quadrangle

|   |         |
|---|---------|
| Hanford, Kings County courthouse, east side of south entrance, in granite balustrade; aluminum tablet stamped "250 G"-----  | 250.885 |
| Hanford, at southeast corner of Seventh St. and Corcoran Highway, in telephone pole; railroad spike, marked "U. S. B. M. 245.7"-----  | 246.21  |
| Tps. 18 and 19 S., Rs. 21 and 22 E., corner of secs. 1, 6, 31, and 36, at intersection of crossroads; iron plug in center of highway, marked "U. S. B. M. 244.4"-----               | 245.03  |
| T. 19 S., Rs. 21 and 22 E., at corner of secs. 1, 6, 7, and 12, 20 feet north by 35 feet east of crossroads; iron post stamped "1 S 1923"-----                                      | 242.734 |
| Reference mark, 20 feet south by 35 feet west of post; iron plug in center of highway-----  | 241.05  |
| T. 19 S., Rs. 21 and 22 E., at corner of secs. 7, 12, 13, and 18, 100 feet south of crossroads, in northeast corner of concrete culvert; bolt-head, marked "U. S. B. M. 242.5"----- | 243.25  |
| T. 19 S., Rs. 21 and 22 E., corner of secs. 13, 18, 19, and 24, at intersection of crossroads; iron plug in center of highway, marked "U. S. B. M. 229.7"-----                      | 230.52  |
| T. 19 S., Rs. 21 and 22 E., at corner of secs. 19, 24, 25 and 30, 20 feet north by 45 feet west of crossroads; iron post stamped "2 S 1923"-----                                    | 228.850 |
| Reference mark, 20 feet south by 45 feet east of post, at intersection of crossroads; iron plug in center of highway-----   | 228.563 |
| T. 19 S., R. 21 E., at corner of secs. 23, 24, 25, and 26, at northeast corner of crossroads, in telephone pole; railroad spike, marked "U. S. B. M. 226.2"-----                    | 227.16  |
| T. 19 S., R. 21 E., at corner of secs. 22, 23, 26, and 27, at southeast corner of crossroads, in stump; copper nail and washer, marked "U. S. B. M. 225.9"-----                     | 226.85  |
| T. 19 S., R. 21 E., at corner of secs. 21, 22, 27, and 28, 20 feet south by 20 feet east of T road south; iron post stamped "3 S 1923"-----   | 225.976 |
| Reference mark, 50 feet northwest of post, in root of willow tree; copper nail and washer-----  | 228.65  |
| T. 19 S., R. 21 E., corner of secs. 20, 21, 28, and 29, at intersection of crossroads; iron plug in center of highway, marked "U. S. B. M. 224.5"-----                              | 225.44  |
| T. 19 S., R. 21 E., at corner of secs. 19, 20, 29, and 30, at northwest corner of crossroads, in fence post; railroad spike, marked "U. S. B. M. 222.8"-----                        | 223.73  |
| T. 19 S., Rs. 20 and 21 E., at corner of secs. 19, 24, 25, and 30, 25 feet south by 20 feet west of crossroads; iron post stamped "4 S 1923"-----                                   | 220.255 |
| Reference mark, 185 feet northeast of post, 10½ feet south of southeast corner of house, in root of locust tree, about 1 inch below surface of ground; copper nail and washer-----  | 220.10  |
| T. 19 S., Rs. 20 and 21 E., corner of secs. 13, 18, 19, and 24, at intersection of crossroads; iron plug in center of highway, marked "U. S. B. M. 224.5"-----                      | 225.38  |

|  | Feet     |
|--|----------|
| T. 19 S., Rs. 20 and 21 E., 60 feet east of crossroads, at corner of secs. 7, 12, 13, and 18, on south side of road, in root of poplar tree; copper nail and washer, marked "U. S. B. M. 227.6"----- | 228. 52  |
| T. 19 S., Rs. 20 and 21 E., at corner of secs. 1, 6, 7, and 12, 40 feet south by 20 feet west of crossroads; iron post stamped "5 S 1923"-----   | 231. 103 |
| Reference mark, 50 feet east of post, at southeast corner of crossroads, in telephone pole; railroad spike-----  | 230. 886 |
| Tps. 18 and 19 S., Rs. 20 and 21 E., corner of secs. 1, 6, 31, and 36, at intersection of crossroads; iron plug in center of highway, marked "U. S. B. M. 236.5"-----                                | 237. 39  |
| T. 18 S., Rs. 20 and 21 E., at corner of secs. 25, 30, 31, and 36, at southeast corner of T road south, in telephone pole; railroad spike, marked "U. S. B. M. 237.8"-----                           | 238. 71  |
| T. 18 S., Rs. 20 and 21 E., at corner of secs. 19, 24, 25, and 30, 45 feet north by 20 feet west of T road north; iron post stamped "6 S 1923"-----  | 236. 463 |
| Reference mark, 45 feet south by 20 feet east of post, at junction with T road north, in center of highway; iron plug-----   | 237. 05  |
| T. 18 S., Rs. 20 and 21 E., at corner of secs. 13, 18, 19, and 24, at southeast corner of T road south, in telephone pole; railroad spike, marked "U. S. B. M. 233.8"-----                           | 234. 63  |
| T. 18 S., R. 20 E., in northeast corner of sec. 13, in southwest angle of crossroads, in base of power pole; railroad spike, painted "U. S. 235.9 B. M."-----  | 236. 481 |

## Through center of quadrangle via Armona to Hanford

|   |          |
|---|----------|
| Tps. 18 and 19 S., R. 21 E., corner of secs. 5, 6, 31, and 32, at intersection of crossroads, in center of highway; iron plug, marked "U. S. B. M. 236.2"-----      | 237. 11  |
| T. 18 S., R. 21 E., at corner of secs. 28, 29, 32, and 33, at northeast corner of crossroads, in concrete culvert; chiseled square, marked "U. S. B. M. 240.9"----- | 241. 38  |
| T. 18 S., R. 21 E., at corner of secs. 27, 28, 33, and 34, 25 feet south by 30 feet east of crossroads; iron post stamped "30 S 1923"-----                          | 241. 211 |
| Reference mark, 120 feet west of post, on south side of road, in concrete culvert; chiseled square-----   | 244. 36  |
| T. 18 S., R. 21 E., at corner of secs. 26, 27, 34, and 35, at intersection of crossroads, in center of highway; iron plug, marked "U. S. B. M. 242.1"-----          | 242. 60  |
| T. 18 S., R. 21 E., at corner of secs. 25, 26, 35, and 36, at southeast corner of crossroads, in curb; chiseled square, marked "U. S. B. M. 244.8"-----             | 245. 25  |

QUADRANGLE INCLUDING BURREL, HANFORD, LATON, LEMOORE, NO. 33,  
NO. 34, RIVERDALE, AND STRATFORD QUADRANGLES

[Latitude 36°-36° 30'; longitude 119° 30'-120°]

## FRESNO AND KINGS COUNTIES

Primary leveling by Corps of Engineers, U. S. Army, in San Joaquin Valley  
in 1913-14

|   | Feet    |
|---|---------|
| T. 20 S., R. 20 E., 20 feet northwest of southeast corner of sec. 33, south side of levee, Mount Diablo base and meridian; iron post set in concrete (U. S. C. E. b. m. No. 301)----- | 190. 63 |

|  | Feet     |
|--|----------|
| T. 19 S., R. 19 E., near southeast corner of sec. 33, 50 feet south of San Joaquin Light & Power Co.'s line pole 1069, approximately 1 mile south of Henrietta subdivision; iron post set in concrete (U. S. C. E. b. m. No. 302)-----   | 229. 75  |
| T. 20 S., R. 20 E., southwest of northwest corner of sec. 3, at corner of fence, southwest of road intersection; iron post set in concrete (U. S. C. E. b. m. No. 303)-----  | 209. 78  |
| T. 20 S., R. 22 E., 600 feet east of Cross Creek, at intersection of north and south and west fence lines, 2 feet southwest of northeast corner of sec. 3; iron post set in cement (U. S. C. E. b. m. No. 304)-----  | 233. 74  |
| T. 18 S., R. 22 E., about 700 feet east of Cross Creek, 35 feet south of northeast corner of sec. 36, 2 feet west of north and south fence line, 5 feet south of property-line stake; iron post set in cement (U. S. C. & G. S. b. m. No. 305)-----  | 250. 63  |
| T. 18 S., R. 19 E., about 4,000 feet east of San Jose Slough, on Heinley ranch, 50 feet northeast of southwest corner of sec. 36; iron post set in cement (U. S. C. E. b. m. No. 306)-----   | 213. 53  |
| Standard Oil Co.'s Lethent pumping station, about 0.75 mile southeast of, 25 feet south of fourth pole south of milepost 86 of Standard Oil Co.'s telephone line; iron post set in cement (U. S. C. E. b. m. No. 307)-----   | 246. 22  |
| Standard Oil Co.'s Lethent pumping station, 4.5 miles northeast of, 25 feet southwest of San Joaquin Light & Power Co.'s pole 900 where power line running southeast turns south on section line, about 1,500 feet west of San Jose Slough; iron post set in cement (U. S. C. E. b. m. No. 308)----- | 215. 53  |
| Lemoore, about 1.5 miles west of, at south edge of levee crown, 20 feet west of west end of middle bridge crossing Beall or Zalda Slough; iron post set in cement (U. S. C. E. b. m. No. 309)-----   | 211. 89  |
| Hardwick, about 1.75 miles west of, between road and railroad embankment, 50 feet east of east end of Hanford & Summit Lake Ry.'s bridge across Kings River; iron post set in cement (U. S. C. E. b. m. No. 310)-----  | 248. 27  |
| Harlow, about 0.5 mile east of, 10 feet north of southeast corner of yard at Kings River Methodist Episcopal Church; iron post set in cement (U. S. C. E. b. m. No. 311)-----  | 262. 75  |
| Harlow, about 5.5 miles east of, beside fence, 15 feet west of southeast corner of Excelsior School yard; iron post set in cement (U. S. C. E. b. m. No. 312)-----   | 266. 17  |
| T. 17 S., R. 21 E., north side of road, 40 feet northeast of northeast corner of sec. 5, about 850 feet east of Atchison, Topeka & Santa Fe Ry. main line; iron post set in cement (U. S. C. E. b. m. No. 313)-----  | 258. 240 |
| T. 17 S., R. 20 E., 30 feet north of northeast corner of sec. 4, about 2 miles northeast of Cando, north side of road, 4 feet east of California Auto Association sign; iron post set in cement (U. S. C. E. b. m. No. 314)-----   | 238. 270 |
| T. 17 S., R. 20 E., 35 feet northeast of northwest corner of sec. 6, in fence corner of Burrel road and Riverdale road; iron post set in cement (U. S. C. E. b. m. No. 315)-----   | 236. 460 |

Feet

|  |           |
|--|-----------|
| T. 16 S., R. 18 E., 35 feet northwest of southwest corner of sec. 36,<br>in fence corner, northwest corner of Burrel road and Raisin City<br>road, about 1.5 miles east of Burrel; iron post set in cement (U. S.<br>C. E. b. m. No. 316)----- | 211. 665. |
|--|-----------|

## Primary leveling by W. V. Hardy in 1907

From Hanford south along Atchison, Topeka & Santa Fe Ry. to Corcoran  
(checked spur line)<sup>1</sup>

|   |           |
|---|-----------|
| Hanford, east side of entrance to courthouse, in top of stone balus-<br>trade; bronze tablet stamped "250"-----   | 250. 885. |
| Hanford, 1.2 miles south of, 50 feet northwest of road crossing, 75<br>feet south of telegraph pole (M. P. 967), in base of telephone pole<br>painted "U. S. G. S. b. m. 240"; spike----- | 240. 46.  |
| Hanford, 2 miles south of, at Brown's brickyard, west side of track,<br>in base of telegraph pole; railroad spike marked "U. S. G. S.<br>b. m."-----                                      | 242. 32   |
| Hanford, 3.4 miles south of, west side of track, in base of telegraph<br>pole painted "U. S. B. M. 232"; railroad spike-----  | 232. 50   |
| Odessa, 350 feet south of signboard, west side of track, in base of<br>telegraph pole (M. P. 964) painted "U. S. G. S. b. m. 232";<br>railroad spike-----                                 | 232. 92   |
| Odessa, 40 feet west of railroad, 15 feet north of wagon road, sec. 13,<br>T. 19 S., R. 21 E.; iron post stamped "232 H"-----   | 232. 439  |
| Odessa, 1 mile south of, west side of track, in base of telegraph pole<br>painted "U. S. G. S. b. m. 228"; railroad spike-----  | 228. 01   |
| Guernsey, 2 miles north of, west side of track, in base of telegraph<br>pole (M. P. 962) painted "U. S. G. S. b. m. 222"; railroad spike--  | 222. 36   |
| Guernsey, 1 mile northwest of, west side of track, in base of tele-<br>graph pole (M. P. 961) painted "U. S. G. S. b. m. 219"; rail-<br>road spike-----                                   | 219. 41   |
| Guernsey, in top of second post south of small flower lot; nail----   | 223. 75   |
| Guernsey, 80 feet north of station, 30 feet west of track, at south-<br>east corner of small park; iron post stamped "221 H"-----   | 221. 391  |
| Guernsey, 1 mile southeast of, west side of track, in base of telegraph<br>pole (M. P. 959) painted "U. S. G. S. b. m. 216"; railroad spike--   | 216. 11   |
| Guernsey, 2 miles southeast of, west side of track, in base of tele-<br>graph pole (M. P. 958) painted "U. S. G. S. b. m. 215"; rail-<br>road spike-----                                  | 215. 78   |
| Guernsey, 3 miles southeast of, west side of track, in base of telegraph<br>pole (M. P. 957) painted "U. S. G. S. b. m. 213"; railroad spike--  | 213. 86   |
| Cross Creek, on trestle; top of west rail-----  | 218. 90   |
| Guernsey, 4 miles southeast of, west side of track, in base of tele-<br>graph pole (M. P. 956) painted "U. S. G. S. b. m. 214"; rail-<br>road spike-----                                  | 213. 97   |
| Guernsey, 5 miles southeast of, west side of track, in base of tele-<br>graph pole (M. P. 955) painted "U. S. G. S. b. m. 210"; railroad<br>spike-----                                    | 210. 86   |
| Bean, 1,000 feet northwest of, west side of track, in base of telegraph<br>pole (M. P. 954) painted "U. S. G. S. b. m. 211"; spike-----   | 211. 74   |

<sup>1</sup> Permanent bench marks are on unchecked side shots.

|   | Feet    |
|---|---------|
| Bean, 1,000 feet northwest of station, 45 feet west of railroad track, 40 feet north of wagon road, on north boundary of sec. 3, T. 21 S., R. 22 E.; iron post stamped "211 H"----- | 211.438 |
| Corcoran, 2.1 miles northwest of, west side of track, in base of telegraph pole (M. P. 953) painted "U. S. G. S. b. m. 208"; railroad spike-----                                    | 208.56  |
| Corcoran, 1.1 miles northwest of, west side of track, in base of telegraph pole (M. P. 952) painted "U. S. G. S. b. m. 204"; railroad spike-----                                    | 204.479 |
| Corcoran, 0.5 mile northwest of, at road crossing; top of rail-----   | 208.5   |
| Corcoran, hydrant at south end of schoolhouse; top of coupling-----   | 205.14  |
| Corcoran, hotel, at foot of east stairway; north edge of east end of concrete doorsill-----   | 205.40  |
| Corcoran, east side of schoolhouse, near south end of steps; iron post stamped "203 H"-----   | 203.427 |

## HERNDON QUADRANGLE

[Latitude 36° 45' - 36° 52' 30"; longitude 119° 52' 30" - 120°]

## FRESNO AND MADERA COUNTIES

Primary leveling by L. F. Biggs in 1919

Near Herndon, connecting U. S. Army Engineers' bench mark with U. S. Geological Survey precise line

|  | Feet    |
|--|---------|
| Herndon, 0.7 mile northwest of, 500 feet southeast of southeast corner of Southern Pacific R. R. bridge over San Joaquin River; iron post stamped "U. S. E. D. 337 Elev. 289.02"-----                        | 285.901 |
| Herndon, 0.3 mile southeast of, at road crossing near milepost 196; iron post stamped "300" (Bull. 342, p. 17)-----  | 300.649 |
| From point near northeast corner of Kearney Park quadrangle north along highways near west border of Herndon quadrangle and east to point near milepost 199 on Southern Pacific R. R. in Bullard quadrangle. |         |
| T. 14 S., R. 19 E., northwest corner of sec. 2, 40 feet southeast of road crossing, in top of concrete retaining wall to canal, bronze tablet stamped "268 B B 1919 42"-----                                 | 268.143 |
| T. 13 S., R. 19 E., northeast corner of sec. 34, 40 feet southwest of crossroads, south end of concrete culvert; chiseled "U. S. 271"-----   | 271.97  |
| T. 13 S., R. 19 E., northwest corner of sec. 26, 40 feet southeast of crossroads, in base of power pole 320, painted "U. S. 283"; spike-----   | 283.31  |
| T. 13 S., R. 19 E., southwest corner of sec. 14, 40 feet northeast of crossroads, in base of power pole 303, painted "U. S. 285"; spike-----   | 285.31  |
| Road crossing 199 E. D. (Biola branch); top of rail-----   | 293.4   |



## KEARNEY PARK QUADRANGLE

[Latitude 36° 37' 30"-36° 45'; longitude 119° 52' 30"-120°]

## FRESNO COUNTY

Primary leveling by L. F. Biggs in 1919

From Kerman quadrangle east along highways near north border of Kearney Park quadrangle to point near northeast corner, thence north into Herndon quadrangle

Feet

|   |         |
|---|---------|
| Floyd, 25 feet northwest of signboard, south edge of Whites Bridge road, north edge of Southern Pacific R. R. right of way; iron post stamped "U. S. E. D. 335 Elev. 244.9" (U. S. E. D. elev.=244.88) (destroyed)----- | 241.735 |
| Floyd, 1.3 miles east of, 30 feet southwest of crossroads, on south end of concrete culvert; chiseled square, marked "U. S. 249" (destroyed)-----   | 249.22  |
| Floyd, 2.3 miles east of, 40 feet southwest of crossroads; south end of concrete culvert, painted "U. S. 250"-----  | 250.75  |
| T. 14 S., R. 19 E., corner of secs. 5, 6, 7, and 8, 0.8 mile north by 1 mile west of Kearney Tower, 50 feet southwest of crossroads, in concrete post; bronze tablet stamped "252 1919 B B 41"-----                     | 252.034 |
| Kearney Tower, 0.8 mile north of, 40 feet southwest of crossroads, on south end of concrete culvert; chiseled square, marked "U. S. 256"-----   | 255.99  |
| Highway bench mark 46 (elevation=257.25) (not described)-----   | 257.00  |
| Kearney Tower, 0.8 mile north by 1 mile east of, 40 feet northwest of crossroads, in base of power pole painted "U. S. 263"; spike-----   | 263.21  |
| T. 14 S., R. 19 E., southwest corner of sec. 2, 50 feet southeast of crossroads; iron post stamped "336 U. S. E. D. Elev. 270.0" (U. S. E. D. elev.=270.05)-----  | 266.857 |
| From west border of quadrangle east and south to McMullin, thence southeast into Raisin quadrangle  |         |
| Rugg, 3 miles south by 1 mile east of, north of road, at T fence north, in corner fence post painted "U. S. 229"; spike-----  | 229.58  |
| McMullin, 2 miles north of, 100 feet southwest of crossroads, in power pole painted "U. S. 232"; spike-----   | 232.58  |
| McMullin, 1 mile north of, east of road, in base of power pole painted "U. S. 228"; spike-----  | 228.06  |
| McMullin, 0.5 mile north of, 200 feet north of second telephone pole north of crossing, west margin of railroad; iron post stamped "U. S. E. D. 326 228.4"-----   | 225.190 |
| McMullin, 0.5 mile south of, in base of milepost 200 painted "U. S. 225"; spike-----  | 225.27  |
| McMullin, 1.5 miles southeast of, in base of milepost 201 painted "U. S. 222"; spike-----   | 222.71  |
| McMullin, 2.5 miles southeast of, in base of milepost 202 painted "U. S. 222"; spike-----   | 222.89  |

From McMullin southwest along highways into Helm quadrangle (leveled twice)

|   | Feet     |
|---|----------|
| McMullin, 0.5 mile northwest of, 200 feet north of second telephone pole north of railroad crossing; iron post stamped "U. S. E. D. 326, Elev. 228.4" (U. S. E. D. elev.=228.38)----- | 225. 190 |
| McMullin, 0.9 mile southwest of, north of road, in post at end of fence scribed "U. S. 219"; (destroyed)-----   | 219. 56  |
| McMullin, 2 miles southwest of; top of 2-inch galvanized gas pipe (milepost) painted "U. S. 216"-----   | 216. 56  |

From northeast corner south along highways near east border of quadrangle into Raisin quadrangle

|   |          |
|---|----------|
| T. 14 S., R. 19 E., northwest corner of sec. 14, 40 feet southeast of crossroads, east end of concrete culvert; chiseled square marked "U. S. 261"----- | 261. 16  |
| T. 14 S., R. 19 E., northwest corner of sec. 23, 40 feet southeast of crossroads; top of iron manhole painted "U. S. 256"-----                          | 256. 22  |
| T. 14 S., R. 19 E., northwest corner of sec. 26, 50 feet southeast of crossroads, in concrete post; bronze tablet stamped "252 73 1919 B B"-----        | 252. 673 |
| T. 14 S., R. 19 E., northwest corner of sec. 35, 40 feet southeast of crossroads, in base of power pole 436 painted "U. S. 249"; spike-----             | 249. 28  |
| T. 14 S., R. 19 E., southwest corner of sec. 35, 40 feet northeast of T road east, in base of telephone pole 451 painted "U. S. 246"; spike-----        | 246. 22  |
| T. 15 S., R. 19 E., southwest corner of sec. 2, 50 feet northeast of crossroads, in concrete post; bronze tablet stamped "243 74 1919 B B"-----         | 243. 574 |
| T. 15 S., R. 19 E., southwest corner of sec. 11, 40 feet northeast of crossroads, in base of power pole 483 painted "243"; spike-----                   | 243. 55  |

#### KLINK QUADRANGLE .

[Latitude 36° 22' 30"-36° 30'; longitude 119° 07' 30"-119° 15']

#### TULARE COUNTY

Primary leveling by F. R. Swearingen in 1923

Along south border of quadrangle

|   | Feet     |
|---|----------|
| T. 18 S., R. 25 E., at quarter corner of secs. 3 and 10, 36 feet south by 10 feet east of junction with T road south; iron post stamped "7 M 1923," marked "U. S. 344.1 B. M."-----       | 344. 448 |
| Reference mark, 70 feet north by 50 feet west of P. B. M., in telephone pole; spike-----  | 344. 95  |
| T. 18 S., R. 25 E., at corner of secs., 2, 3, 10, and 11, 30 feet south by 30 feet west of intersection or crossroads, in telephone pole; railroad spike, marked "U. S. 345.9 B. M."----- | 346. 26  |
| T. 18 S., R. 25 E., at corner of secs. 1, 2, 11, and 12, 36 feet north by 78 feet west of corner of T fence south, in telephone pole; railroad spike, marked "U. S. 353.3 B. M."-----     | 353. 58  |
| T. 18 S., Rs. 25 and 26 E., at corner of secs. 1, 6, 7, and 12, at intersection of crossroads; iron plug, marked "U. S. 364.8 B. M."-----   | 365. 11  |
| Reference mark, 72 feet west of P. B. M., concrete culvert, on top of south head wall; chiseled square-----   | 368. 03  |

|  | Feet    |
|--|---------|
| T. 18 S., R. 26 E., near quarter corner of secs. 6 and 7, south side of highway at curve; iron post stamped "16 M 1923"-----   | 367.070 |
| T. 18 S., R. 26 E., at corner of secs. 5, 6, 7, and 8, 20 feet west by 5 feet north of T road north, in telephone pole; railroad spike marked "U. S. 373.8 B. M."-----   | 374.10  |
| T. 18 S., R. 26 E., near center of sec. 5, on north side of road, about 400 feet east of house, in telephone pole; railroad spike, marked "U. S. 388.515 B. M."-----   | 388.80  |
| Tps. 17 and 18 S., R. 26 E., at corner of secs. 32, 33, 4, and 5, 40 feet east by 20 feet north of intersection of crossroads, on top of north end of concrete culvert; chiseled square, marked "U. S. 394.2 B. M."----- | 394.43  |
| Reference mark, 36 feet west of P. B. M., in telephone pole; railroad spike-----   | 408.13  |
| Tps. 17 and 18 S., R. 26 E., at corner of secs. 33, 34, 3, and 4, 55 feet east by 20 feet south of crossroads; iron post stamped "17 M 1923"-----  | 408.614 |

## Near northwest corner of quadrangle

|  |        |
|--|--------|
| Yettem, T. 17 S., R. 25 E., at north corner of secs. 3 and 4, 36 feet south by 25 feet west of junction with T road south, concrete and stone weir, top of south head wall; chiseled square, marked "U. S. 344.4 B. M."----- | 344.71 |
|--|--------|

## East along north border of quadrangle

|  |         |
|--|---------|
| T. 17 S., R. 26 E., near quarter corner of secs. 3 and 10, 100 feet southeast of Mud Spring, 600 feet northwest of windmill, at curve in highway; iron post stamped "20 M 1923."-----                              | 452.795 |
| T. 16 S., R. 26 E., near south quarter corner of sec. 33, 400 feet from curve in highway, concrete culvert, top of north end; chiseled square, marked "U. S. 442.3 B. M."-----                                     | 442.51  |
| T. 16 S., R. 26 E., at quarter corner of sec. 32, 20 feet east of junction with T road north, center of highway; iron plug marked "U. S. 400.3 B. M."-----   | 400.52  |
| Reference mark, 18 feet west by 10 feet south of P. B. M., concrete culvert, on top of north end; chiseled square-----   | 383.94  |
| T. 17 S., R. 26 E., at north corner of secs. 5 and 6, 30 feet west by 20 feet north of junction with T road south; iron post stamped "21 M 1923"-----  | 382.633 |
| T. 17 S., Rs. 25 and 26 E., at north corner of secs. 1 and 6, 12 feet north by 25 feet west of junction with T road south, on concrete culvert, top of north end; chiseled square, marked "U. S. 369.8 B. M."----- | 369.98  |
| Reference mark, 40 feet east by 30 feet north of P. B. M., in center of highway; iron plug-----  | 353.41  |
| T. 17 S., R. 25 E., at north corner of secs. 1 and 2, at Seville School, in northeast corner of school yard; iron post stamped "22 M 1923."-----   | 353.106 |
| T. 17 S., R. 25 E., at north corner of secs. 3 and 4, on concrete culvert, top of north head wall; chiseled square, marked "U. S. 345.9 B. M."-----  | 346.08  |

## LANES BRIDGE QUADRANGLE

[Latitude 36° 52' 30"-37°; longitude 119° 45'-119° 52' 30"]

## FRESNO AND MADERA COUNTIES

Primary leveling by L. F. Biggs in 1919

From Gregg quadrangle east along highways near south border of Lanes Bridge quadrangle to Lanes Bridge over San Joaquin River (leveled twice)

|  | Feet    |
|--|---------|
| Gregg, 3.4 miles east of, south of road, opposite house, in telephone pole painted "U. S. 328"; spike-----   | 327.89  |
| T. 12 S., R. 18 E., southeast corner of sec. 14, at southeast corner of Webster School yard, at crossroads, in concrete post; bronze tablet stamped "334 1919 B B 16"-----             | 334.783 |
| Webster School, 1 mile east of, T. 12 S., Rs. 19 and 20 E., corner of secs. 13, 24, 18, and 19, at crossroads, in gatepost painted "U. S. 344"; spike-----                             | 344.35  |
| Webster School, 2 miles east of, 50 feet northeast of crossroads, in corner fence post painted "U. S. 349"; spike-----   | 349.55  |
| Webster School, 2.5 miles east of, at angle in road north, in large gatepost painted "U. S. 354"; spike-----   | 354.92  |
| Webster School, 2.5 miles east by 1 mile north of, 50 feet southwest of T road south, in corner fence post scribed "U. S. 361"; spike---   | 361.58  |
| Webster School, 3.5 miles east by 1 mile north of, 1,000 feet north of Lanes Bridge over San Joaquin River, at T road north, in power pole marked "U. S. 362"; spike-----              | 362.38  |
| T. 12 S., R. 20 E., in NE. ¼ sec. 16, at west end of Lanes Bridge across San Joaquin River, in east end of south concrete retaining wall; bronze tablet stamped "292 1919 B B 17"----- | 292.150 |

From Lanes Bridge south along highways into Bullard quadrangle

|   |        |
|---|--------|
| San Joaquin River under Lanes Bridge; water level 10 a. m. May 7, 1919-----                                 | 273.1  |
| Lanes Bridge, 0.9 mile southeast of, at T road west, in automobile signpost scribed "U. S. 301"; spike----- | 301.24 |

## LATON QUADRANGLE

[Latitude 36° 22' 30"-36° 30"; longitude 119° 37' 30"-119° 45']

## FRESNO AND KINGS COUNTIES

Primary leveling by L. F. Biggs in 1919

From Riverdale quadrangle east along highways near north border of Laton quadrangle into No. 30 quadrangle

|   | Feet    |
|---|---------|
| Road crossing 215 C-D; top of rail-----   | 242.0   |
| T. 17 S., R. 20 E., north corner of secs. 1 and 2, at T road south, in corner fence post painted "U. S. 243"; spike-----  | 243.30  |
| T. 16 S., R. 20 E., south corner of secs. 35 and 36, at angle in road north, on 4-inch iron pipe filled with concrete (section corner); top of bolt, "U. S. 242" scribed on fence post----- | 242.891 |
| T. 16 S., Rs. 20 and 21 E., south corner of secs. 31 and 36; top of 4-inch iron pipe filled with concrete (section corner); "U. S. 249" marked on 2 by 2 inch stake-----                    | 249.70  |

## Feet

|  |          |
|--|----------|
| T. 16 S., R. 21 E., south corner of secs. 31 and 32, at T fence north, in corner fence post painted "U. S. 252"; spike-----  | 252. 97  |
| T. 17 S., R. 21 E., northeast corner of sec. 5, 850 feet east of Atchison, Topeka & Santa Fe Ry.; iron post stamped "U. S. E. D. No. 313, 261.3" (U. S. E. D. elev.=261.34)----- | 258. 240 |
| T. 16 S., R. 21 E., southeast corner of sec. 32, at T road north, in corner fence post painted "U. S. 258"; spike-----   | 258. 30  |
| T. 17 S., R. 21 E., 600 feet east of northeast corner of sec. 3, on south end of concrete culvert; chiseled "U. S. 263"-----   | 264. 06  |
| T. 16 S., R. 21 E., southeast corner of sec. 33, 100 feet west of angle in road north, in power pole painted "U. S. 262"; spike-----   | 261. 82  |
| T. 16 S., R. 21 E., south corner of secs. 34 and 35, 6 feet west of T fence north; top of 4-inch iron section-corner pipe filled with concrete-----                              | 261. 896 |
| T. 16 S., R. 21 E., southwest corner of sec. 36, at road north, in gate post painted "U. S. 269"; spike-----   | 269. 55  |

## Primary leveling by R. B. Steele in 1923

From center of west border of quadrangle east to Laton, thence north to north border of quadrangle

|  |          |
|--|----------|
| Center of culvert over irrigation ditch; telephone pole painted "243.5"-----   | 244      |
| Reference mark, 600 feet west of P. B. M., concrete culvert, on top of north head wall; chiseled square-----   | 245. 43  |
| T. 17 S., R. 21 E., in southwest corner of sec. 19, northeast angle of T road north, at southeast corner of Grant School yard; iron post stamped "Prim. Trav. Sta. No. 18 R. S. 5 1923," fence painted "U. S. 242.9 P. B. M."-----                             | 243. 202 |
| T. 17 S., R. 21 E., 0.25 mile west of corner of secs. 19, 20, 29, and 30, in southeast angle of private T road south, 500 feet west of public road south, inside fence, in root on north side of large sycamore tree; spike, painted "U. S. 247.2 B. M."-----  | 247. 55  |
| Center of bridge over irrigation canal, painted "251.6"-----   | 252      |
| T. 17 S., R. 21 E., 60 feet west by 30 feet south of quarter corner on north side of sec. 29, 280 feet west of Southern Pacific R. R. track, inside pasture, in root on north side of willow tree; spike, telephone pole east painted "U. S. 249.2 B. M."----- | 249. 53  |
| Laton, 1.25 miles west of, 250 feet east of crossroads, concrete culvert on top of north end; chiseled square, fence post 30 feet northeast painted "U. S. 256.5 B. M."-----   | 256. 80  |
| Laton, 0.44 mile west of, in Y of road forks, top of concrete culvert, at center of south end; chiseled square, bridge railing painted "U. S. 253.1 B. M."-----  | 253. 45  |
| Laton, in southeast angle of Mount Whitney and Fowler avenues; iron post stamped "Prim. Trav. Sta. No. 17 R. S. 6 1923," telephone pole painted "U. S. 251.8 P. B. M."-----  | 252. 119 |
| Laton, 0.4 mile north of, at southwest corner of concrete bridge, top of west wing; chiseled square, painted "U. S. 257.2 B. M."-----  | 257. 56  |
| Laton, 0.9 mile north of, in northeast angle of T road east, in base of corner fence post; spike, painted "U. S. 249.8 B. M."-----   | 250. 18  |
| Laton, 1.6 miles north of, 0.7 mile north of T road east, east side of concrete bridge, on top at north end; chiseled square, bridge painted "U. S. 255.6 B. M."-----  | 255. 92  |

|  | Feet    |
|--|---------|
| Laton, 2.13 miles north of, 0.75 mile south of crossroads, east head wall of concrete culvert, on top at north end; chiseled square, painted "U. S. 255.9 B. M."-----  | 256.25  |
| Laton, 3 miles north of, in northeast angle of crossroads; iron post stamped "Prim. Trav. Sta. No. 20 R. S. 7 1923," painted "U. S. 254.9 P. B. M."-----   | 255.27  |
| Laton, 4 miles north of, 300 feet south of T road, on east edge of Fowler Ave., on top of concrete culvert, center of east end; chiseled square, telephone pole 70 feet north painted "U. S. 262.0 B. M."--  | 262.33  |
| Along east border of quadrangle  |         |
| T. 18 S., Rs. 21 and 22 E., near quarter corner between secs. 7 and 12; center of culvert, painted "256.7"-----  | 257     |
| T. 18 S., Rs. 21 and 22 E., corner of secs. 1, 6, 7, and 12, center of crossroads; top of iron stake marking section corner, painted "U. S. 262.4 B. M."-----  | 262.70  |
| T. 18 S., Rs. 21 and 22 E., quarter corner between secs. 1 and 6; top of iron stake marking quarter corner, painted "261.5"-----   | 261.80  |
| Tps. 17 and 18 S., Rs. 21 and 22 E., corner of secs. 1, 6, 31, and 36; top of iron stake marking section corner, painted "U. S. 260.7 B. M."-----  | 261.01  |
| T. 17 S., Rs. 21 and 22 E., quarter corner between secs. 31 and 36; top of iron stake marking quarter corner, painted "259.8"-----   | 260.04  |
| T. 17 S., R. 21 E., in southeast corner of sec. 25, in northwest angle of crossroads; iron post stamped "Prim. Trav. Sta. No. 8 R. S. 1923," painted "U. S. 265.4 P. B. M."-----                             | 265.714 |
| Center of highway at east-west fence line, painted "264.4"-----  | 265     |
| T. 17 S., Rs. 21 and 22 E., corner of secs. 19, 24, 25, and 30, junction with T road east; top of iron stake marking section corner, painted "U. S. 267.4 B. M."-----  | 267.72  |
| Kings River; center of bridge over, painted "275.6"-----   | 276     |
| Kings River; water level, June 5, 1923-----  | 258     |
| Center of crossroads, T. 17 S., Rs. 21 and 22 E., quarter corner between secs. 19 and 24, painted "265.9"-----   | 266     |
| Reference mark, 120 feet south of P. B. M., in base of telephone pole; railroad spike-----   | 266.42  |
| T. 17 S., Rs. 21 and 22 E., near corner of secs. 13, 18, 19, and 24, on west side of road, in line with T road east; iron post stamped "Prim. Trav. Sta. No. 9 R. S. 1923," painted "U. S. 267.6 P. B. M."-- | 267.307 |
| Center of bridge over slough, painted "270.4"-----   | 271     |
| T. 17 S., Rs. 21 and 22 E., about 600 feet north of corner of secs. 7, 12, 13, and 18, east head wall of concrete culvert, center of top; chiseled square, painted "U. S. 267.2 B. M."-----                  | 267.44  |
| Reference mark, 600 feet south of P. B. M., concrete culvert, top of east end; chiseled square-----  | 266.37  |
| T. 17 S., R. 22 E., in southwest corner of sec. 6, in northeast angle of crossroads; iron post stamped "Prim. Trav. Sta. No. 10 R. S. 1923," painted "U. S. 266.8 P. B. M."-----                             | 266.973 |
| T. 16 S., Rs. 21 and 22 E., at south corner of secs. 31 and 36, 40 feet southwest of T road north, in concrete post; bronze tablet stamped "271 B. B. 1919 71"-----  | 271.59  |

## LEMONCOVE QUADRANGLE

[Latitude 36° 22' 30"-36° 30'; longitude 119°-119° 07' 30"]

## TULARE COUNTY

Primary leveling by F. R. Swearingen in 1923

Along south border of quadrangle, thence north to Lemoncove

Feet

|  |         |
|--|---------|
| Tps. 17 and 18 S., R. 26 E., at corner of secs. 2, 3, 34, and 35, 50 feet west by 25 feet south of intersection of road and Atchison, Topeka & Santa Fe Ry., in corner fence post; railroad spike marked "U. S. 421.4 B. M."-----                | 421.61  |
| T. 18 S., R. 26 E., near corner of secs. 2, 3, 10, and 11, 250 feet south of milepost 33, Atchison, Topeka & Santa Fe Ry., in north-west corner of railroad bridge over St. Johns River; copper nail and washer, marked "U. S. 417.3 B. M."----- | 417.51  |
| Reference mark, 80 feet west of P. B. M., in telephone pole; railroad spike-----   | 407.03  |
| T. 18 S., R. 26 E., at quarter corner of secs. 10 and 11, 35 feet north by 95 feet east of intersection of road and Southern Pacific R. R.; iron post stamped "23 M 1923"-----   | 408.497 |
| T. 18 S., R. 26 E., at quarter corner of secs. 11 and 12, 36 feet west by 10 feet north of junction with T road west, in corner fence post; railroad spike, marked "U. S. 411.9 B. M."-----  | 412.14  |
| T. 18 S., Rs. 26 and 27 E., 0.25 mile south of quarter corner of secs. 7 and 12, east side of road, in line with T road west, in telephone pole; railroad spike, marked "U. S. 417.2 B. M."-----   | 417.49  |
| Lemoncove, 4.76 miles west of, 50 feet southwest of Tom Hushback's ranch house, northeast angle of road junction, 1.5 feet southeast of southwest corner of yard; iron post stamped "420 G"-----   | 420.325 |
| T. 18 S., E. 27 E., near corner of secs. 7, 8, 17, and 18, north side of road, 500 feet southwest of private road to ranch house, in power pole; railroad spike, marked "U. S. 425.6 B. M."-----   | 425.85  |
| T. 18 S., R. 27 E., at corner of secs. 8, 9, 16, and 17, 20 feet west by 20 feet south of intersection of crossroads, in telephone pole; railroad spike, marked "U. S. 449.8 B. M."-----   | 450.11  |
| T. 18 S., R. 27 E., in sec. 9, on north side of road, 190 feet west of 30-inch oak tree, in telephone pole; railroad spike, marked "U. S. 516.2 B. M."-----  | 516.51  |
| Reference mark, 60 feet south of P. B. M., in telephone pole; railroad spike-----  | 478.80  |
| T. 18 S., R. 27 E., at quarter corner of secs. 9 and 10, in northeast angle of T road east; iron post stamped "24 M 1923"-----   | 479.760 |
| Lemoncove, 0.5 mile south of, T. 18 S., R. 27 E., at quarter corner of secs. 10 and 11, in line with T road north, in telephone pole; railroad spike, marked "U. S. 522.9 B. M."-----  | 523.16  |
| Lemoncove School, 2 feet east of midway between north and south entrances; iron post stamped "510 G"-----  | 511.753 |

Along west border of quadrangle

|  |        |
|--|--------|
| Tps. 17 and 18 S., R. 26 E., at corner of secs. 2, 3, 34, and 35, 50 feet west and 25 feet south of intersection of road and Atchison Topeka & Santa Fe Ry., in corner fence post; railroad spike, marked "U. S. 421.4 B. M."----- | 421.61 |
|--|--------|

|  | Feet    |
|--|---------|
| Reference mark, 50 feet south of P. B. M., in center of highway;<br>iron plug-----   | 435.53  |
| Red Banks, T. 17 S., R. 26 E., at corner of secs. 26, 27, 34, and 35,<br>20 feet south by 8 feet east of milepost 31 Atchison, Topeka & Santa<br>Fe Ry.; iron post stamped "18 M 1923"-----                          | 435.899 |
| T. 17 S., R. 26 E., near center of sec. 26, at curve in highway, 42<br>feet north of private road east, in 36-inch stump; copper nail and<br>washer, marked "U. S. 444.1 B. M."-----                                 | 444.30  |
| T. 17 S., R. 26 E., near quarter corner of secs. 23 and 26, on west<br>side of road, in line with T fence east, in corner fence post; rail-<br>road spike, marked "U. S. 450.2 B. M."-----                           | 450.43  |
| T. 17 S., R. 26 E., at quarter corner of secs. 14 and 23, 25 feet north<br>by 30 feet west of intersection of crossroads, in telephone pole;<br>railroad spike, marked "U. S. 467.9 B. M."-----                      | 468.12  |
| T. 17 S., R. 26 E., near center of sec. 14, 30 feet west by 30 feet<br>south of intersection of crossroads, 18 feet east by 90 feet north of<br>Roger's store; iron post stamped "19 M 1923"-----                    | 481.717 |
| Reference mark, 60 feet east by 60 feet north of P. B. M., on top of<br>concrete box around water-line valve; chiseled square-----   | 484.17  |
| T. 17 S., R. 26 E., near center of sec. 11, 50 feet east by 72 feet north<br>of T fence west, on east side of road, in telephone pole; railroad<br>spike, marked "U. S. 486.8 B. M."-----                            | 487.00  |
| T. 17 S., R. 26 E., at quarter corner of secs. 11 and 12, 30 feet north<br>by 63 feet west of junction with T road north, concrete culvert, on<br>top of north end; chiseled square, marked "U. S. 509.3 B. M."----- | 509.49  |
| Reference mark, 54 feet west by 12 feet north of P. B. M., concrete<br>culvert, on top of north end; chiseled square-----  | 451.95  |
| From center of sec. 14, T. 17 S., R. 26 E., southeast to Lemonscove  |         |
| T. 17 S., R. 26 E., at quarter corner of secs. 13 and 14, 35 feet west<br>by 10 feet north of crossroads, concrete culvert, on north head<br>wall; chiseled square, marked "U. S. 476.1 B. M."-----                  | 476.38  |
| T. 17 S., R. 26 E., near corner of secs. 13, 14, 23, and 24, 42 feet east<br>by 115 feet north of junction of road and Visalia Electric Ry. in<br>telephone pole; railroad spike, marked "U. S. 470.9 B. M."-----    | 471.13  |
| T. 17 S., R. 26 E., SE. $\frac{1}{4}$ sec. 24, 550 feet northwest of house, on<br>southeast end of concrete culvert; chiseled square, marked "U.<br>S. 453.0 B. M."-----   | 453.265 |
| Reference mark, 80 feet north by 135 feet west of P. B. M., on north-<br>east corner of concrete culvert; chiseled square-----   | 452.56  |
| T. 17 S., Rs. 26 and 27 E., at corner of secs. 24, 25, 19, and 30, 40<br>feet west by 20 feet south of road junction; iron post stamped<br>"30 M 1923 P. T. 60 S."-----  | 453.330 |
| T. 17 S., Rs. 26 and 27 E., Woodlake, near corner of secs. 25, 30,<br>31, and 36, 30 feet west by 180 feet north of crossroads; on west<br>curb of highway; chiseled square, marked "U. S. 439 O. B. M."-----        | 439.27  |
| T. 17 S., R. 27 E., near corner of secs. 29, 30, 31, and 32, 100 feet<br>east by 20 feet south of crossroads, in telephone pole; railroad<br>spike, marked "U. S. 451.4 B. M."-----                                  | 451.62  |
| T. 17 S., R. 27 E., at corner of secs. 28, 29, 32, and 33, at right angle<br>in highway; iron post stamped "P. T. 61 S"-----   | 508.654 |
| Reference mark, 30 feet east by 40 feet south of P. B. M., in tele-<br>phone pole; railroad spike-----   | 509.02  |



|   | Feet    |
|---|---------|
| T. 17 S., R. 27 E., at quarter corner of secs. 32 and 33, 25 feet west by 25 feet north of intersection of crossroads, in telephone pole; railroad spike, marked "U. S. 465.5 B. M."----- | 465.72  |
| T. 17 S., R. 27 E., SE. ¼ sec. 33, south slope of hill, on north end of concrete culvert; chiseled square, marked "U. S. 506.9 B. M."-----  | 507.13  |
| T. 17 S., R. 27 E., SW. ¼ sec. 34, 350 feet southeast of house, south side of highway, on south end of concrete culvert; chiseled square, marked "U. S. 531.2 B. M."-----                 | 531.43  |
| Reference mark, 12 feet south by 75 feet west of P. B. M., on south end of concrete culvert; chiseled square-----   | 478.28  |
| Tps. 17 and 18 S., R. 27 E., near quarter corner of secs. 3 and 34, 320 feet east of H. O. Ragel's house; iron post stamped "P. T. 625 1923"-----   | 478.682 |
| T. 17 S., R. 27 E., SE. ¼ sec. 34, on south side at west end of concrete bridge over Kaweah River; chiseled square, marked "U. S. 483.9 B. M."-----                                       | 484.189 |
| T. 18 S., R. 27 E., NW. ¼ sec. 2, on east side of road, 340 feet south of Union Oil storage plant, in telephone pole; railroad spike, marked "U. S. 502.2 B. M."-----                     | 502.44  |
| Lemoncove, T. 18 S., R. 27 E., SW. ¼ sec. 2, in northeast corner of school yard; iron post stamped "P. T. 625 1923"-----  | 507.721 |
| Lemoncove School, 2 feet east of midway between north and south entrances; iron post stamped "510 G"-----   | 511.753 |

NOTE.—This post shows evidence of having been moved. It does not answer Bulletin 342 description, and level circuit closure shows it to be out. A new post was set to replace it.

From Lemoncove north to sec. 10, T. 17 S., R. 27 E. (leveled twice)

|   | Feet    |
|---|---------|
| T. 17 S., R. 27 E., SE. ¼ sec. 34, on south side at west end of concrete bridge over Kaweah River; chiseled square, marked "U. S. 483.9 B. M."-----   | 484.189 |
| T. 17 S., R. 27 E., SW. ¼ sec. 26, 700 feet south of T road to ranch house, on east side of road, 12 feet north of granite boulder about 8 by 8 by 2 feet, on granite boulder in place about 2 by 2 by 1 foot; chiseled square, marked "U. S. 532.5 B. M."----- | 532.89  |
| T. 17 S., R. 27 E., NE. ¼ sec. 27, on west side of road, 10 feet south of section fence west; iron post stamped "P. T. 65 S"-----   | 554.417 |
| T. 17 S., R. 27 E., NE. ¼ sec. 22, about 125 feet east of road, in root of large oak tree; copper nail and washer, marked "U. S. 546.0 B. M."-----  | 546.43  |
| T. 17 S., R. 27 E.; SE. ¼ sec. 15, 210 feet south of Leonard Bequette's house, at southeast corner of garden; in corner fence post; railroad spike, marked "U. S. 556.9 B. M."-----   | 557.36  |
| T. 17 S., R. 27 E., about 60 feet east of road, about 50 feet north of group of granite boulders, on large round-topped granite boulder; chiseled square, marked "U. S. 585.6 B. M."-----   | 586.06  |
| Reference mark, about 25 feet northwest of P. B. M., on top of granite boulder; chiseled square-----  | 631.93  |
| T. 17 S., R. 27 E., sec. 10, at northwest corner of slaughterhouse corral of Leonard Bequette; iron post stamped "P. T. 66 S"-----  | 630.793 |

## LEMOORE QUADRANGLE

[Latitude 36° 15'-36° 22' 30"; longitude 119° 45'-119° 52' 30"]

## KINGS COUNTY

## Primary leveling by H. S. Senseney in 1923

## Along south border of quadrangle

|   | Feet     |
|---|----------|
| T. 19 S., R. 20 E., corner of secs. 23, 24, 25, and 26, at southwest corner of crossroads, in fence post; railroad spike, marked "U. S. B. M. 219.7"-----                                       | 220. 62  |
| T. 19 S., R. 20 E., corner of secs. 22, 23, 26, and 27, at intersection of crossroads, in center of highway; iron plug, marked "U. S. B. M. 218.1"-----   | 219. 00  |
| T. 19 S., R. 20 E., 50 feet west by 25 feet south of T road north, at center of secs. 21, 22, 27, and 28; iron post stamped "13 S 1923"-----  | 216. 691 |
| Reference mark, 90 feet northeast of post, in 4 by 4 inch post; copper nail and washer-----   | 218. 70  |
| T. 19 S., R. 20 E., 30 feet east of corner of secs. 20, 21, 28, and 29, 95 feet east of T road south, south side of road, on concrete culvert; chiseled square, marked "U. S. B. M. 209.2"----- | 210. 14  |
| T. 19 S., R. 20 E., 90 feet east of T road south, corner of secs. 19, 20, 29, and 30, north side of road, on concrete culvert; chiseled square, marked "U. S. B. M. 206.7"-----                 | 207. 61  |
| T. 19 S., R. 19 E., SE. ¼ sec. 24, in northwest corner of the more easterly of two concrete bridges over Kings River; chiseled square, marked "U. S. B. M. 212.8" (no water under bridge)-----  | 213. 77  |
| T. 19 S., R. 19 E., 60 feet north of corner of secs. 23, 24, 25, and 26, on west side of fence; iron post stamped "14 S 1923"-----  | 213. 637 |
| Reference mark, 30 feet south of post; top of concrete post-----  | 213. 68  |

## In northwest corner of quadrangle

|   |          |
|---|----------|
| T. 18 S., Rs. 19 and 20 E., at quarter corner between secs. 13 and 18, at northwest corner of crossroads, in root of tree; copper nail and washer, marked "U. S. B. M. 217.5"-----          | 218. 10  |
| T. 18 S., R. 19 E., at quarter corner between secs. 13 and 14, 6 feet north of northeast corner of crossroads, in 4 by 4 inch post; copper nail and washer, marked "U. S. B. M. 217.7"----- | 218. 31  |
| T. 18 S., R. 19 E., at corner of secs. 13, 14, 23, and 24, 40 feet south of southeast corner of crossroads, in root of tree; copper nail and washer, marked "U. S. B. M. 211.4"-----        | 212. 03  |
| T. 18 S., R. 19 E., at corner of secs. 23, 24, 25, and 26, 35 feet north by 30 feet east of crossroads; at iron post stamped "18 S. 1923"-----  | 214. 831 |
| Reference mark, 12 feet south of post, in root of tree; copper nail and washer-----   | 214. 82  |

## Primary leveling by R. B. Steele in 1923

From northeast corner of quadrangle west about 3 miles, thence north into Riverdale quadrangle

|   |         |
|---|---------|
| T. 18 S., R. 20 E., in southeast corner of sec. 11, 20 feet west by 10 feet north of west end of main gate to Floribel ranch, in root of 8-inch eucalyptus tree; copper nail and washer, painted "U. S. 235.8 B. M."----- | 236. 35 |
|---|---------|

Feet

|  |         |
|--|---------|
| T. 18 S., R. 20 E., in southwest corner of sec. 11, in northwest angle of right angle in road, at west end of gate in fence line east, on west edge of levee; iron post stamped "Prim. Trav. Sta. No. 4 R. S. 1923," painted "U. S. 236.2 P. B. M."----- | 236.741 |
| T. 18 S., R. 20 E., in northeast corner of sec. 22, in southwest angle of T road west, in base of corner fence post; railroad spike, painted "U. S. 231.1 B. M."-----  | 231.67  |
| Center of bridge over slough, painted "231.0"-----   | 231.5   |
| T. 18 S., R. 20 E., in northwest corner of sec. 22, 120 feet southeast of where road turns west and south, in root on west side of 48-inch oak tree; copper nail and washer, fence corner guy post 120 feet northwest painted "U. S. 228.5 B. M."-----   | 229.05  |
| T road and highway, 0.5 mile south of Kings River, painted "225.7"-----  | 226     |
| T. 18 S., R. 20 E., near center of sec. 16, 50 feet north of T road west, concrete culvert, center of top of east head wall; chiseled square, painted "U. S. 232.8 B. M."-----   | 233.33  |
| T road west, junction with, painted "228.8"-----   | 229     |

## MALAGA QUADRANGLE

[Latitude 36° 37' 30"-36° 45'; longitude 119° 37' 30"-119° 45']

## FRESNO COUNTY

Primary leveling by L. D. Ryus in 1901

From Fresno east along Southern Pacific R. R., Clovis branch, to Las Palmas, thence north into Clovis quadrangle

Feet

|   |         |
|---|---------|
| Barton, 1.2 miles east of, in southwest corner of vineyard, north of schoolhouse, east of wagon road, 20 feet north of track; iron post stamped "317"-----  | 317.106 |
| From Fresno quadrangle east along stage road in north part of Malaga quadrangle into Sanger quadrangle (leveled twice and partly three times; by L. D. Ryus in 1902, by Fresno County engineer from Fresno 12 miles east, and from Navin east across quadrangle by L. F. Biggs in 1919) |         |
| Navin, 50 feet southwest of railroad crossing, in telephone pole scribed "U. S. 322"; spike-----  | 322.94  |
| Fresno, 3 miles east of station, 400 feet west of crossing of Sunnyside car line and Ventura Ave., at south edge of road; iron post-----  | 305.335 |
| Fresno, 5 miles east of, 50 feet northeast of crossroads, at corner of Sunnyside grocery, in telephone pole painted "U. S. 318"; spike-----   | 318.50  |
| Fresno, 6 miles east of, 50 feet northwest of Fresno-Centerville and Fowler-Clovis crossroads; iron post stamped "323 B"-----   | 323.565 |
| Fresno, 7 miles east of, 40 feet northeast of crossroads, in base of telephone pole painted "U. S. 332"-----  | 332.33  |
| Fresno, 8 miles east of, south of Centerville road, 60 feet southeast of crossroads, in base of telephone pole painted "U. S. 336"; spike-----  | 336.16  |
| Fresno, 9 miles east of, on south edge of Centerville road, 40 feet east of section line, at road crossing, opposite square yellow house; iron post-----  | 348.185 |

## MALAGA, CONEJO, AND SELMA QUADRANGLES

[Latitude 36° 30'-36° 45'; longitude 119° 30'-119° 45']

## FRESNO AND TULARE COUNTIES

Precise leveling by C. H. Semper in 1901-2

From Malaga southeast along Southern Pacific R. R. to Kingsburg

|   | Feet    |
|---|---------|
| Malaga, in front of station; top of rail-----   | 293.7   |
| Malaga, 0.4 mile south of, 15 feet south of milepost 211, west side of track, at margin of highway; iron post stamped "297 B"-----  | 297.531 |
| Malaga, 3.5 miles south of, 10 feet south of milepost 214, east side of track, at margin of highway; iron post stamped "300 B"----- | 300.961 |
| Fowler, in front of station; top of rail-----   | 304.6   |
| Fowler, 1.7 miles south of, 12 feet south of milepost 217, west side of track, at margin of highway; iron post stamped "304 B"----- | 304.367 |
| Selma, 0.8 mile north of, 11 feet south of milepost 220, west side of track, at margin of highway; iron post stamped "310 B"-----   | 310.865 |
| Selma, in front of station; top of rail-----  | 306.3   |
| Selma, 2.2 miles south of, 8 feet south of milepost 223, west side of track, at margin of highway; iron post stamped "305 B"-----   | 305.248 |
| Kingsburg, in front of station; top of rail-----  | 297.1   |
| Kingsburg, 0.3 mile south of, opposite milepost 226, west side of track, at margin of highway; iron post stamped "295 B"-----       | 295.244 |
| Kingsburg, 3 miles south of, 8 feet south of milepost 229, west side of track, at margin of highway; iron post stamped "295 B"----- | 295.606 |

## MONSON QUADRANGLE

[Latitude 36° 22' 30''-36° 30'; longitude 119° 15'-119° 22' 30'']

## TULARE COUNTY

Primary leveling by F. R. Swearingen in 1923

Along east border of quadrangle

|  | Feet    |
|--|---------|
| T. 18 S., R. 25 E., at quarter corner of secs. 3 and 10, 35 feet south by 10 feet east of junction with T road south; iron post stamped "7 M 1923"-----  | 344.448 |
| Reference mark, 70 feet north by 50 feet west of P. B. M., in telephone pole; spike-----   | 344.949 |
| Tps. 17 and 18 S., R. 25 E., at corner of secs. 33, 34, 3, and 4, 30 feet north by 30 feet west of intersection of crossroads, in corner fence post; railroad spike, marked "U. S. 339.3 B. M."----- | 339.65  |
| T. 17 S., R. 25 E., at corner of secs. 27, 28, 33, and 34, 32 feet south by 25 feet east of junction with T road east, in telephone pole; railroad spike, marked "U. S. 339.0 B. M."-----            | 339.32  |
| T. 17 S., R. 25 E., at corner of secs. 21, 22, 27, and 28, at Taurusa School, 30 feet east by 20 feet south of intersection of crossroads; iron post stamped "11 M 1923"-----                        | 339.930 |
| Reference mark, 54 feet west by 15 feet south of P. B. M., in telephone pole; railroad spike-----  | 339.97  |
| T. 17 S., R. 25 E., at corner of secs. 15, 16, 21, and 22, 4 feet south of corner of T fence east, in telephone pole; railroad spike, marked "U. S. 335.0 B. M."-----                                | 335.312 |
| T. 17 S., R. 25 E., at corner of secs. 9, 10, 15, and 16, in right angle of power line south and east, in corner power pole; railroad spike, marked "U. S. 334.1 B. M."-----                         | 334.41  |

Feet

|   |          |
|---|----------|
| T. 17 S., R. 25 E., at corner of secs. 3, 4, 9, and 10, 1 mile south of Yettem, 6 feet north of corner of T fence east; iron post stamped "12 M 1923" ----- | 333. 578 |
| Reference mark, 36 feet north of P. B. M., in telephone pole; railroad spike -----  | 332. 07  |

## Along south border of quadrangle

|  |          |
|--|----------|
| T. 18 S., R. 25 E., at quarter corner of secs. 4 and 9, in corner post of T fence north, at southwest corner of small corral; railroad spike, marked "U. S. 335.2 B. M."-----  | 335. 55  |
| T. 18 S., R. 25 E., near quarter corner of secs. 5 and 8, 10 feet east by 12 feet north of intersection of road and Atchison, Topeka & Santa Fe Ry. track, in crossing signpost; railroad spike, marked "U. S. 331.3 B. M."----- | 331. 69  |
| Reference mark, 72 feet east by 30 feet south of P. B. M., concrete culvert, on top of north end of head wall; chiseled square-----  | 326. 42  |
| T. 18 S., R. 25 E., at corner of secs. 5, 6, 7, and 8, 60 feet west by 5 feet south of intersection of crossroads; iron post stamped "8 M 1923," telephone pole marked "U. S. 323.8 B. M."-----                                  | 324. 198 |
| T. 18 S., Rs. 24 and 25 E., at corner of secs. 1, 6, 7, and 12, in corner post of T fence south; railroad spike, marked "U. S. 319.2 B. M."-----   | 319. 55  |
| T. 18 S., R. 24 E., at corner of secs. 1, 2, 11, and 12, on east side of road, in telephone pole; railroad spike, marked "U. S. 319.2 B. M."-----  | 313. 29  |

## Along west border of quadrangle

|   |          |
|---|----------|
| T. 18 S., R. 24 E., at corner of secs. 3, 4, 9, and 10, in fence post at end of road north; railroad spike, marked "U. S. 302.6 B. M."-----   | 303. 00  |
| Tps. 17 and 18 S., R. 24 E., near corner of secs. 3, 4, 33, and 34, on south side of St. Johns River, in root on south side of 24-inch willow tree; copper nail and washer, marked "U. S. 299.6 B. M."----- | 299. 97  |
| Reference mark, 60 feet west of P. B. M. (no description)-----  | 296. 70  |
| T. 17 S., R. 24 E., near corner of secs. 27, 28, 33, and 34, 0.4 mile west of tenant house on Herrall ranch, 153 feet west of angle in fence line; iron post, stamped "13 M 1923"-----                      | 296. 008 |
| T. 17 S., R. 24 E., near corner of secs. 21, 22, 27, and 28, about 1,200 feet west of poplar tree and small pump house, in fence post; railroad spike, marked "U. S. 295.9 B. M."-----                      | 296. 20  |
| T. 17 S., R. 24 E., near corner of secs. 15, 16, 21, and 22, about 300 feet east of clump of cedar hedge, on south side of road, in fence post; railroad spike, marked "U. S. 296.4 B. M."-----             | 296. 76  |
| Reference mark, 40 feet west by 40 feet south of P. B. M., in fence post; spike-----  | 297. 82  |
| T. 17 S., R. 24 E., near corner of secs. 9, 10, 15, and 16, 36 feet east of T fence north; iron post stamped "14 M 1923"-----   | 297. 891 |
| T. 17 S., R. 24 E., at corner of secs. 3, 4, 9, and 10, in corner post of T fence north; marked "U. S. 303.2 B. M."-----  | 303. 54  |
| Reference mark, 132 feet south by 20 feet west of P. B. M.; top of southeast corner of concrete weir-----   | 311. 07  |
| T. 17 S., R. 24 E., at north corner of secs. 3 and 4, 42 feet east by 20 feet south of private T road south to Schwabe ranch house; iron post stamped "15 M 1923"-----                                      | 311. 348 |

## NO. 30 QUADRANGLE

[Latitude 36° 22' 30"-36° 30'; longitude 119° 30'-119° 37' 30"]

## FRESNO, KINGS, AND TULARE COUNTIES

Precise leveling by C. H. Semper in 1901

From Selma quadrangle southeast along Southern Pacific R. R. across north-east part of No. 30 quadrangle into Traver quadrangle

|   | Feet     |
|---|----------|
| Kingsburg, in front of station; top of rail-----  | 297. 1   |
| Kingsburg, 0.3 mile south of, opposite milepost 226, west side of track, at edge of highway; iron post stamped "295 B"-----       | 295. 244 |
| Kingsburg, 3 miles south of, 8 feet south of milepost 229, west side of track, at edge of highway; iron post stamped "295 B"----- | 295. 606 |

Primary leveling by L. F. Biggs in 1919

From Laton quadrangle east along highways near north border of No. 30 quadrangle to Southern Pacific R. R., thence southeast to point 3 miles southeast of Kingsburg

|   |          |
|---|----------|
| T. 16 S., Rs. 21 and 22 E., 40 feet southwest of T road north, at south corner of secs. 36 and 31, in concrete post; bronze tablet (?) stamped "271 B B 1919 71"-----       | 271. 591 |
| T. 16 S., R. 21 E., northeast corner of sec. 36, 30 feet southwest of crossroads, in corner fence post, painted "U. S. 278"; spike-----                                     | 278. 03  |
| Kingsburg, 3 miles west by 0.5 mile south of, at crossroads, in base of power pole painted "U. S. 281"; spike-----  | 281. 62  |
| Kingsburg, 2 miles west by 0.5 mile south of, 50 feet northwest of crossroads, in corner fence post painted "290"; spike-----   | 290. 74  |
| Kingsburg, 1 mile west by 0.5 mile south of, 40 feet southwest of crossroads, in concrete post; bronze tablet stamped "294 B B 1919 85"-----                                | 294. 572 |
| Kingsburg, 0.5 mile south of, at southeast corner of Kingsburg cemetery, top of south iron hitching post; bronze tablet (?) stamped "x 294"-----                            | 294. 56  |
| Kingsburg, 0.5 mile southeast of, west side of railroad, east edge of highway, on Fresno-Tulare county line, in concrete post; bronze tablet stamped "1919 B B 86 293"----- | 293. 363 |
| Kingsburg, 1.3 miles southeast of, on north end of concrete highway bridge; chiseled square, marked "U. S. 296"-----  | 296. 42  |
| Kingsburg, 1.8 miles southeast of, northeast corner of concrete bridge over Kings River, top of railing; chiseled square, marked "U. S. 298"-----                           | 298. 02  |
| Kingsburg, 3 miles southeast of, north end of concrete highway culvert; chiseled square, marked "U. S. 298"-----  | 298. 32  |
| Kingsburg, 3.5 miles southeast of, 8 feet south of milepost 229, west side of track, at edge of highway; iron post stamped "295 B" (Bull. 342, p. 180)-----                 | 295. 606 |

Primary leveling by H. S. Senseney in 1923

From sec. 12, T. 18 S., R. 22 E., north to township line, thence east to Kings-Tulare county line, thence along county line to north border of quadrangle

|   |         |
|---|---------|
| T. 18 S., R. 22 E., at corner of secs. 1, 2, 11, and 12, at northwest corner of T road west, in fence post; railroad spike, marked "U. S. B. M. 260.5"----- | 261. 08 |
|---|---------|

|   | Feet    |
|---|---------|
| Tps. 17 and 18 S., R. 22 E., at corner of secs. 1, 2, 35, and 36, 80 feet east of T road south, on south side of road, in telephone pole; railroad spike, marked "U. S. B. M. 265.2"----- | 265.77  |
| Tps. 17 and 18 S., Rs. 22 and 23 E., 30 feet west by 25 feet south of common corner of; iron post stamped "15 S 1923"-----  | 266.260 |
| Reference mark, 120 feet west of post, in telephone pole; spike-----  | 267.49  |
| T. 17 S., Rs. 22 and 23 E., 15 feet south of corner of secs. 25, 30, 31, and 36, on east side of road, in fence post; spike marked "U. S. B. M. 271.7"-----                               | 272.25  |
| T. 17 S., Rs. 22 and 23 E., at corner of secs. 19, 24, 25, and 30, at southwest corner of crossroads, in fence post; railroad spike, marked "U. S. B. M. 276.9"-----                      | 277.52  |
| T. 17 S., Rs. 22 and 23 E., at corner of secs. 13, 18, 19, and 24, 20 feet north by 30 feet east of T road east; iron post stamped "16 S 1923"-----                                       | 281.342 |
| Reference mark, 15 feet west of post, in fence post; railroad spike--   | 281.41  |
| T. 17 S., Rs. 22 and 23 E., at corner of secs. 7, 12, 13, and 18, 90 feet south of T road east, on east side of road, in telephone pole; railroad spike, marked "U. S. B. M. 285.8"-----  | 286.41  |
| T. 17 S., Rs. 22 and 23 E., at corner of secs. 1, 6, 7, and 12, at south-east corner of T road east, in telephone pole; railroad spike, marked "U. S. B. M. 287.6"-----                   | 288.20  |
| Tps. 16 and 17 S., Rs. 22 and 23 E., 15 feet north of common corner; iron post stamped "17 S 1923"-----   | 289.064 |
| Reference mark, 12 feet west of post, in fence post; railroad spike--   | 288.32  |

## NO. 33 QUADRANGLE

[Latitude 36° 15'-36° 22' 30"; longitude 119° 52' 30"-120°]

## FRESNO AND KINGS COUNTIES

## Primary leveling by H. S. Senseney in 1923

## From southeast corner of quadrangle west and north to Lethent

|   | Feet    |
|---|---------|
| T. 19 S., R. 19 E., at corner of secs. 22, 23, 26, and 27, on north side of road; top of concrete post marked "210+70," elevation marked "U. S. B. M. 220.2"----- | 221.13  |
| Lethent, 60 feet northwest of barn (Bull. 342, p. 108)-----   | 219.635 |

## Along south and west borders of quadrangle

|  |         |
|--|---------|
| T. 19 S., R. 19 E., corner of secs. 22, 23, 26, and 27 (Bull. 342, p. 12)-----   | 221.126 |
| T. 19 S., R. 19 E., corner of secs. 21, 22, 27, and 28, on side of road; top of concrete post, marked "U. S. B. M. 229.4"-----                                     | 230.35  |
| T. 19 S., R. 19 E., corner of secs. 20, 21, 28, and 29, on side of road; top of concrete post, not marked (Highway station 105+41)-----                            | 238.68  |
| T. 19 S., R. 19 E., corner of secs. 19, 20, 29, and 30, 30 feet south by 8 feet west of; iron post stamped "20 S 1923"-----  | 245.001 |
| Reference mark, 8.4 feet east of post; top of concrete post-----   | 244.797 |
| T. 19 S., Rs. 18 and 19 E., corner of secs. 19, 24, 25, and 30, on side of road on Fresno-Kings county line; top of concrete post, marked "U. S. B. M. 252.9"----- | 253.797 |
| T. 19 S., R. 18 E., corner of secs. 23, 24, 25, and 26, at northwest corner of crossroads; top of concrete post, marked "U. S. B. M. 261.7"-----                   | 262.66  |

|  | Feet    |
|--|---------|
| T. 19 S., R. 18 E., corner of secs. 22, 23, 26, and 27, 30 feet north by 25 feet west of crossroads; iron post stamped "21 S 1923"-----  | 273.525 |
| Reference mark, 6.5 feet east of post; top of concrete post-----   | 273.65  |
| T. 19 S., R. 18 E., corner of secs. 14, 15, 22, and 23, at southwest corner of T road west, in telegraph pole; railroad spike, marked "U. S. B. M. 268.6"-----                 | 269.58  |
| T. 19 S., R. 18 E., corner of secs. 10, 11, 14, and 15, at southwest corner of crossroads, in telegraph pole; railroad spike, marked "U. S. B. M. 266.0"-----                  | 266.92  |
| T. 19 S., R. 18 E., 5 feet south by 20 feet east of corner of secs. 2, 3, 10, and 11; iron post stamped "22 S. 1923"-----  | 263.011 |
| Reference mark, 8.5 feet north of post, on west side of concrete head gate; chiseled square-----   | 263.77  |
| Tps. 18 and 19 S., R. 18 E., corner of secs. 2, 3, 34, and 35, at southeast corner of T road south, in stake; copper rail and washer, marked "U. S. B. M. 257.9"-----          | 258.81  |
| Tps. 18 and 19 S., R. 18 E., corner of secs. 1, 2, 35, and 36, on east side of road at T road west, in wooden post; railroad spike marked "U. S. B. M. 248.4"-----             | 249.32  |
| T. 18 S., R. 18 E., 9.2 feet south of corner of secs. 25, 26, 35, and 36, on west side of fence; iron post stamped "23 S. 1923"-----   | 246.844 |
| Reference mark, 9.2 feet north of post; top of iron section-corner post-----   | 247.644 |
| T. 18 S., R. 18 E., corner of secs. 23, 24, 25, and 26, at junction with T road east; top of iron corner post (not marked)-----  | 241.055 |
| T. 18 S., R. 18 E., corner of secs. 13, 14, 23, and 24, on west side of road, in fence post; railroad spike, marked "U. S. B. M. 230.2"-----                                   | 231.09  |
| T. 18 S., R. 18 E., 25 feet north by 25 feet east of corner of secs. 11, 12, 13, and 14, 10 feet north of fence corner; iron post stamped "24 S 1923" (no reference mark)----- | 224.259 |

From sec. 23, T. 18 S., R. 19 E., south to Lethent

|  |         |
|--|---------|
| T. 18 S., R. 19 E., corner of secs. 22, 23, 26, and 27, at northwest corner of crossroads, in fence post; railroad spike, marked "U. S. B. M. 210.0"-----  | 210.75  |
| T. 18 S., R. 19 E., corner of secs. 26, 27, 34, and 35, at southeast corner of T road east, in fence post; railroad spike, marked "U. S. B. M. 209.3"----- | 210.04  |
| Tps. 18 and 19 S., R. 19 E., corner of secs. 2, 3, 34, and 35, 40 feet north by 25 feet west of; iron post stamped "19 S. 1923"-----                       | 211.232 |
| Reference mark, 70 feet south of post, in corner fence post; railroad spike-----   | 211.00  |
| T. 19 S., R. 19 E., corner of secs. 2, 3, 10, and 11, in corner post; copper nail and washer, marked "U. S. B. M. 212.9"-----                              | 213.73  |
| Lethent, 60 feet northwest of barn, south of track, 2.5 feet east of telegraph milepole 267; iron post stamped "219 G"-----                                | 219.635 |



## NO. 34 QUADRANGLE

[Latitude 36° 15'-36° 22' 30"; longitude 119° 30'-119° 37' 30"]

## KINGS AND TULARE COUNTIES

Primary leveling by H. S. Sensency in 1923

Along south border of quadrangle from Hanford quadrangle into Goshen quadrangle

|  | Feet    |
|--|---------|
| T. 19 S., R. 22 E., corner of secs. 19, 20, 29, and 30, at southwest corner of crossroads, in telephone pole; railroad spike marked "U. S. B. M. 228.6"-----             | 229.55  |
| T. 19 S., R. 22 E., corner of secs. 20, 21, 28, and 29, at southeast corner of crossroads, in telephone pole; railroad spike marked "U. S. B. M. 231.5"-----             | 232.46  |
| T. 19 S., R. 22 E., corner of secs. 21, 22, 27, and 28, 30 feet north by 65 feet east of crossroads; iron post stamped "7 S 1923"-----                                   | 232.161 |
| Reference mark, 20 feet west of post, in telephone pole; railroad spike-----   | 232.77  |
| T. 19 S., R. 22 E., secs. 22, 23, 26, and 27, about 0.1 mile west of corner of, on south side of road, in telephone pole; railroad spike marked "U. S. B. M. 235.6"----- | 236.55  |
| T. 19 S., R. 22 E., corner of secs. 23, 24, 25, and 26, at northwest corner of crossroads, in telephone pole; railroad spike marked "U. S. B. M. 236.1"-----             | 236.98  |
| T. 19 S., Rs. 22 and 23 E., corner of secs. 19, 24, 25, and 30, 25 feet south by 30 feet east of junction with T road east; iron post stamped "8 S 1923"-----            | 243.715 |
| Reference mark, 45 feet north of post, in telephone pole; railroad spike-----  | 243.73  |
| T. 19 S., R. 23 E., corner of secs. 19, 20, 29, and 30, at northwest corner of crossroads, in telephone pole; railroad spike, marked "U. S. B. M. 246.6"-----            | 247.53  |

Primary leveling by R. B. Steele in 1923

Along north border of quadrangle from Goshen quadrangle into Hanford quadrangle

|  |         |
|--|---------|
| T. 18 S., R. 23 E., secs. 7, 8, 17, and 18, 1,000 feet west by 450 feet south of corner of, at west end of footbridge over Cross Creek, in base of willow tree; railroad spike, bridge painted "U. S. 257.2 B. M"----- | 257.75  |
| Reference mark, 50 feet north of P. B. M., in base of power pole; railroad spike-----  | 258.53  |
| T. 18 S., Rs. 22 and 23 E., 60 feet south of corner of secs. 7, 12, 13, and 18, at north end of gate in fence line south; iron post stamped "R. S. 1923," gatepost painted "U. S. 258.2 P. B. M"-----                  | 258.755 |
| Center of bridge over Settlers Canal, painted "260.7"-----   | 261     |
| T. 18 S., R. 22 E., in southeast corner of sec. 11, in northwest angle of crossroads, in base of power pole; railroad spike painted "U. S. 257.1 B. M"-----  | 257.663 |
| Center of bridge over canal, painted "264.2"-----  | 265     |
| T. 18 S., R. 22 E., in northwest corner of sec. 14, in southeast angle of crossroads, in base of telephone pole; railroad spike painted "U. S. 262.8 B. M"-----  | 262.37  |

|  | Feet     |
|--|----------|
| T. 18 S., R. 22 E., in northeast corner of sec. 16, in southwest angle of crossroads; iron post stamped "R. S. 1923," painted "U. S. 260.6 P. B. M."-----                                | 261. 127 |
| Reference mark, 60 feet east of P. B. M., in base of eucalyptus tree: railroad spike-----  | 261. 29  |
| Center of bridge over canal, painted "262.2"-----  | 263      |
| T. 18 S., R. 22 E., in southeast corner of sec. 8, 50 feet west of fence line north, on north side of road, in base of power pole; railroad spike, pole painted "U. S. 257.9 B. M."----- | 258. 48  |
| T. 18 S., R. 22 E., quarter corner on north side of sec. 17; center of road at T road north-----   | 256      |
| T. 18 S., R. 22 E., in southeast corner of sec. 7, 130 feet west of approximate corner, in base of transformer pole; railroad spike, painted "U. S. 265.5 B. M."-----                    | 257. 01  |

## NO. 35 QUADRANGLE

[Latitude 36° 15'-36° 22' 30"; longitude 119°-119° 07' 30"]

## TULARE COUNTY

## Primary leveling by F. R. Swearingen in 1923

|   |          |
|---|----------|
| From sec. 8, T. 18 S., R. 27 E., south via Hamilton's ranch to Yokohl School  | Feet     |
| T. 18 S., R. 27 E., at corner of secs. 8, 9, 16, and 17, 20 feet west by 20 feet south of intersection of crossroads, in telephone pole; railroad spike, marked "U. S. 449.8 B. M."-----                                | 450. 11  |
| Reference mark, 30 feet east by 180 feet south of P. B. M., in telephone pole; railroad spike-----  | 458. 82  |
| Lind Cove, T. 18 S., R. 27 E., corner of secs. 16, 17, 20, and 21, 200 feet east by 500 feet south of school, at curve in highway at T road west, on edge of railroad right of way; iron post, stamped "25 M 1923"----- | 460. 164 |
| T. 18 S., R. 27 E., near corner of secs. 20, 21, 28, and 29, 800 feet northeast of Hester car stop, Visalia Electric R. R., in power pole; railroad spike, marked "U. S. 462.5 B. M."-----                              | 462. 76  |
| T. 18 S., R. 27 E., SW. ¼ sec. 29, at stock-loading pens, between side and main tracks, in power pole; railroad spike, marked "U. S. 464.0 B. M."-----  | 464. 21  |
| Reference mark, 120 feet southeast of P. B. M., in telephone pole; railroad spike-----  | 464. 88  |
| T. 18 S., R. 27 E., 0.25 mile east of corner of secs. 29, 30, 31, and 32, 100 feet north of T road east; iron post, stamped "26 M 1923"-----  | 464. 815 |
| T. 18 S., R. 27 E., SE. ¼ sec. 32, 1,100 feet southeast of James Hamilton's ranch house, on east side of road, in telephone pole; railroad spike, marked "U. S. 481.3 B. M."-----                                       | 481. 47  |
| T. 19 S., R. 27 E., SE. ¼ sec. 5, 1.21 miles south of James Hamilton's ranch house, in northwest angle of road junction, near corner of fence; iron post stamped "499 G" (From Bull. 342, p. 105)-----                  | 499. 626 |
| T. 19 S., R. 27 E., 0.25 mile south of quarter corner of secs. 8 and 9, at T road north, in telephone pole; railroad spike, marked "U. S. 518.4 B. M."-----   | 518. 924 |
| T. 19 S., R. 27 E., NE. ¼ sec. 16, 50 feet north of 36-inch oak tree, on top at northeast end of concrete culvert; chiseled square, marked "U. S. 541.0 B. M."-----   | 541. 527 |

Feet

|  |          |
|--|----------|
| Reference mark, 54 feet west of P. B. M.-----  | 568. 17  |
| T. 19 S., R. 27 E., near quarter corner of secs. 15 and 22, 0.5 mile west of Gill's ranch house, at corner of T fence north; iron post stamped "27 M 1923"-----  | 568. 584 |
| T. 19 S., R. 27 E., near corner of secs. 14, 15, 22, and 23, 30 feet east by 50 feet north of T fence south, 400 feet northwest of house, in telephone pole; railroad spike, marked "U. S. 617.2 B. M."-----                           | 617. 80  |
| T. 19 S., R. 27 E., sec. 24, 70 feet southwest of Yokohl School, 20 feet north of road, in embedded granite boulders 36 by 72 inches and 12 inches high; bronze tablet stamped "636 G"-----  | 636. 518 |
| From sec. 14, T. 18 S., R. 26 E., south along west border of quadrangle  |          |
| T. 18 S., R. 26 E., near quarter corner of secs. 14 and 15, in northwest corner of north end of railroad bridge 34 B; copper nail and washer, marked "U. S. 404.3 B. M."-----  | 404. 48  |
| T. 18 S., R. 26 E., near quarter corner of secs. 22 and 23, 850 feet south of bridge over Kaweah River, on east side of road, in telephone pole; railroad spike, marked "U. S. 397.9 B. M."-----                                       | 398. 04  |
| T. 18 S., R. 26 E., at quarter corner of secs. 26 and 27, 20 feet north by 20 feet east of intersection of crossroads; iron post stamped "28 M 1923"-----  | 405. 192 |
| Reference mark, 40 feet west by 40 feet south of P. B. M., in telephone pole; railroad spike-----  | 404. 72  |
| T. 18 S., R. 26 E., corner of secs. 26, 27, 34, and 35, 30 feet north by 25 feet east of intersection of crossroads, 75 feet north of Southern California Edison Co.'s telephone pole; railroad spike, marked "U. S. 401.9 B. M."----- | 402. 003 |
| Tps. 18 and 19 S., R. 26 E., at corner of secs. 34 and 35, 2, and 3, 20 feet north by 30 feet east of intersection of crossroads, in telephone pole; railroad spike, marked "U. S. 399.0 B. M."-----                                   | 399. 13  |
| T. 19 S., R. 26 E., near corner of secs. 2, 3, 10, and 11, northwest angle of junction of Kaweah Ave. and Pine St., in front of Union High School; on curb, chiseled square, marked "U. S. 392.0 B. M."-----                           | 392. 18  |
| Exeter, at northwest corner of Kaweah and Pine streets, opposite Union High School, between two telephone poles, between curb and sidewalk, flush with surface of ground; iron post stamped "P. T. 56 S 1923"-----                     | 392. 096 |
| Exeter School, north of steps at northwest entrance, in west face of granite baluster, 24 inches above ground; aluminum tablet stamped "391 G" (Bull. 342, p. 105)-----  | 391. 025 |
| T. 19 S., R. 26 E., corner of secs. 10, 11, 14, and 15, at intersection of T road west, in center of highway; iron plug, marked "U. S. 379.1 B. M."-----   | 379. 20  |
| T. 19 S., R. 26 E., at quarter corner of secs. 14 and 15, in center of highway; iron plug marked "U. S. 372.4 B. M."-----  | 372. 52  |
| T. 19 S., R. 26 E., at quarter corner of secs. 22 and 23, on west side of road, in line with T road east, in telephone pole; railroad spike, marked "U. S. 358.8 B. M."-----   | 359. 00  |
| Reference mark, 60 feet east of P. B. M., in telephone pole; railroad spike-----   | 350. 88  |
| T. 19 S., R. 26 E., corner of secs. 22, 23, 26, and 27, 25 feet south by 35 feet west of crossroads; iron post stamped "29 S 1923"-----  | 352. 469 |

|   |                |
|---|----------------|
| From sec. 14, T. 19 S., R. 26 E., east and north to sec. 9, T. 19 S., R. 27 E.  |                |
| T. 19 S., R. 26 E., at quarter corner of secs. 14 and 15, in center of highway; iron plug marked "U. S. 372.4 B. M."-----   | Feet<br>372.52 |
| T. 19 S., R. 26 E., at quarter corner of secs. 13 and 14, 24 feet east by 30 feet south of intersection of crossroads, in telephone pole; railroad spike, marked "U. S. 378.1 B. M."-----     | 378.25         |
| T. 19 S., Rs. 26 and 27 E., near quarter corner of secs. 13 and 18, 168 feet east of T fence north, on top of north end of concrete culvert; chiseled square, marked "U. S. 459.6 B. M."----- | 459.73         |
| T. 19 S., R. 27 E., near quarter corner of secs. 17 and 18, 0.4 mile south of Rocky Hill, at summit of saddle over ridge, north side of road; iron post stamped "29 M 1923"-----              | 712.404        |
| Reference mark, 140 feet east of P. B. M., in fence post; railroad spike-----   | 703.658        |
| T. 19 S., R. 27 E., 0.25 mile south of quarter corner of secs. 8 and 9, at T road north, in telephone pole; railroad spike, marked "U. S. 518.4 B. M."-----                                   | 518.92         |

## ORANGEDALE SCHOOL QUADRANGLE

[Latitude 36° 45' -36° 52' 30''; longitude 119° 22' 30''-119° 30']

## FRESNO COUNTY

Primary leveling by L. F. Biggs in 1919

From Centerville, Sanger quadrangle, northeast along highways to Piedra  
(leveled twice)

|  |                |
|--|----------------|
| Centerville, 1.2 miles northeast of, at road north, in corner fence post painted "U. S. 404"; spike-----   | Feet<br>405.10 |
| Centerville, 1.6 miles northeast of, in floor of canal bridge painted "U. S. 412"; spike-----  | 412.91         |
| Centerville, 2.4 miles northeast of, at Y road west, in mail-box post painted "U. S. 421"; spike-----  | 422.15         |
| Centerville, 3 miles northeast of; floor of canal bridge painted "U. S. 429"-----  | 430.2          |
| Centerville, 3.6 miles northeast of, northwest of road, at southeast corner of Oakdale School yard, in concrete post; bronze tablet (?) stamped "444 1919 B B 89"----- | 445.271        |
| Oakdale School, 0.6 mile northeast of, in floor of canal bridge painted "U. S. 461"; spike-----  | 462.38         |
| Oakdale School, 1.5 miles northeast of, north of road at farmhouse, in base of 100-inch oak tree scribed "U. S. 475"; spike-----                                       | 476.24         |
| Oakdale School, 2.4 miles northeast of, northeast corner of windmill tower, in concrete base painted "U. S. 498"-----  | 499.01         |
| Piedra, 2.7 miles southwest of, north of road, where telephone line crosses, in base of telephone pole painted "U. S. 509"; spike-----                                 | 509.65         |
| Piedra, 1.8 miles southwest of, south of road, north of flume, 300 feet west of underflume crossing, in oak tree scribed "U. S. 515"-----                              | 515.76         |
| Piedra, 0.8 mile southwest of, west of road, in base of 60-inch oak tree scribed "U. S. 525"; spike-----   | 525.62         |
| Piedra, 0.3 mile southwest of bridge, northwest edge of road at cliff; top of 2-inch galvanized pipe cemented in rock stamped "F 363 517.8 524"-----                   | 525.266        |
| Piedra, 300 feet east of bridge, 30 feet north of road, 40 feet south of flume, on summit of boulder; bronze tablet stamped "106 1919 B B"-----                        | 537.677        |

## RAISIN QUADRANGLE

[Latitude 36° 30'-36° 37' 30"; longitude 119° 52' 30"-120°]

## FRESNO COUNTY

Primary leveling by L. F. Biggs in 1919

From Kearney Park quadrangle southeast along highways in northeast part of Raisin quadrangle into Caruthers quadrangle

|  | Feet     |
|--|----------|
| McMullin, 3.5 miles southeast of, 6 feet south of milepost 203, west side of railroad, in concrete post; bronze tablet stamped "229 57 119 B B"-----                         | 230. 185 |
| Raisin City, 1 mile northwest of, in base of milepost 204 painted "U. S. 229"; spike-----  | 229. 20  |
| Raisin City, 500 feet southwest of depot, 50 feet southeast of crossroads, opposite C. G. Ross & Co.'s store, in concrete post; bronze tablet stamped "236 58 1919 B B"----- | 236. 155 |
| T. 15 S., R. 19 E., southwest corner of sec. 21, 40 feet northwest of crossroads, in power pole painted "U. S. 238"; spike-----  | 238. 55  |
| T. 15 S., R. 19 E., southwest corner of sec. 23, 40 feet northeast of crossroads, in base of power pole 514 painted "U. S. 242"; spike--                                     | 242. 94  |

From Kearney Park quadrangle south along highways to Raisin

|  |         |
|--|---------|
| T. 15 S., R. 19 E., southwest corner of sec. 14, 40 feet northeast of crossroads, in base of power pole 499 painted "U. S. 243"; spike-- | 243. 08 |
|--|---------|

## REEDLEY QUADRANGLE

[Latitude 36° 30'-36° 37' 30"; longitude 119° 22' 30"-119° 30']

## FRESNO AND TULARE COUNTIES

Primary leveling by L. F. Biggs in 1919

From Wahtoke quadrangle south and west along highways in northwest part of Reedley quadrangle into Selma quadrangle

|   | Feet     |
|---|----------|
| Reedley, 1.5 miles north by 0.5 mile west of, 50 feet northwest of T road east, 20 feet north of power line, 20 feet north of large palm tree, in concrete post; bronze tablet (?) stamped "355 1919 B B 89"----- | 355. 398 |
| Reedley, 0.5 mile north by 0.5 mile west of, 60 feet southeast of crossroads, east end of concrete culvert; chiseled "U. S. 349"-----   | 349. 86  |
| Reedley, 1 mile northwest of Atchison, Topeka & Santa Fe Ry. bridge over Kings River, in south end of east concrete abutment; bronze tablet stamped "92 1919 B B 350"-----  | 350. 155 |
| Southern Pacific R. R. bridge, east end of; top of rail-----  | 342. 2   |
| Reedley Bridge, 1 mile west of, 40 feet southwest of crossroads, in power pole painted "U. S. 327"; spike-----  | 327. 02  |

From Selma quadrangle along highways east and south in southwest part of Reedley quadrangle

|   |         |
|---|---------|
| Kingsburg, 3 miles east of, 60 feet northwest of crossroads, in base of eucalyptus tree scribed "U. S. 307"; spike-----                             | 307. 08 |
| Kingsburg, 3 miles east by 1 mile south of, 40 feet southeast of crossroads, north bank of canal, in telephone pole painted "U. S. 303"; spike----- | 302. 89 |

From point 3 miles east of Kingsburg east along highways near south border of quadrangle into Sultana quadrangle

|   | Feet     |
|---|----------|
| Kingsburg, 3 miles east of, 60 feet northwest of crossroads, in base of eucalyptus tree scribed "U. S. 307"; spike-----   | 307. 08  |
| Kingsburg, 3.5 miles east of, north of road, at southeast corner of Kings River School yard, in concrete post; bronze tablet stamped "1919 B B 96 309"-----                   | 309. 129 |
| Kings River School, 1 mile east of, at turn north in concrete highway, 40 feet southwest of crossroads, in base of corner fence post painted "U. S. 310"; spike-----          | 310. 47  |
| Kings River School, 2 miles east of, 40 feet southwest of crossroads, in corner fence post painted "U. S. 311"; spike-----  | 311. 82  |
| Kings River School, 3 miles east of, 500 feet east of church, 40 feet northwest of crossroads, in concrete post; bronze tablet stamped "1919 B B 97 313"-----                 | 313. 521 |
| Kings River School, 4 miles east of, 40 feet southwest of crossroads, in telephone pole painted "U. S. 314"; spike-----   | 314. 03  |
| Dinuba, 2 miles south by 0.5 mile west of, 50 feet northeast of crossroads, in base of large eucalyptus tree scribed "U. S. 319"; spike-----                                  | 319. 65  |
| Dinuba, 2 miles south by 0.5 mile east of, 40 feet southwest of crossroads, on south end of concrete culvert; chiseled square marked "U. S. 329"-----                         | 329. 47  |
| Smyrna, 150 feet southeast of station, 40 feet northeast of road crossing, east edge of railroad right of way, in concrete post; bronze tablet stamped "98 1919 B B 329"----- | 329. 897 |

From point near Reedley east and south along highways near north and east borders of quadrangle

|   |          |
|---|----------|
| Reedley, 1.5 miles north by 0.5 mile west of, 50 feet northwest of T road east; iron post stamped "355 1919 BB 89"-----   | 355. 398 |
| Top of rail, at crossing A 2-----   | 355. 37  |
| Reedley, 1.5 miles north by 0.5 mile east of, north end of concrete culvert; chiseled square, marked "U. S. 364"-----   | 364. 79  |
| Reedley, 1.5 miles north by 1 mile east of, 50 feet southeast of crossroads, in base of eucalyptus tree scribed "U. S. 359"; spike-----   | 359. 68  |
| Reedley, 1.5 miles north by 2 miles east of, 50 feet northwest of crossroads, in base of telephone pole painted "U. S. 363"; spike--  | 363. 58  |
| Reedley, 1.5 miles north by 3 miles east of, 40 feet northeast of crossroads, at southwest corner of alfalfa field, in concrete post; bronze tablet stamped "90 1919 B B 366"-----              | 366. 595 |
| Reedley, 1.5 miles north by 4 miles east of, 0.5 mile west of Mount Olive School, 50 feet northwest of cross roads, in base of power pole painted "U. S. 377"; spike-----                       | 377. 75  |
| Reedley, 0.5 mile north by 4 miles east of, 40 feet west of road, at substation, in floor of canal bridge painted "U. S. 370"; spike----  | 370. 21  |
| Reedley, 0.5 mile south by 4 miles east of, 40 feet southeast of cross roads, at northwest corner of Smith Mountain School yard, in concrete post; bronze tablet stamped "91 1919 B B 361"----- | 361. 521 |
| Smith Mountain School, 1 mile south of, 40 feet southwest of cross roads, in west end of concrete culvert; chiseled square, marked "U. S. 352"-----   | 351. 94  |
| Giffin, 50 feet southwest of railroad crossing, in power pole painted "U. S. 344"; spike-----   | 344. 22  |

|  | Feet    |
|--|---------|
| Dinuba, 0.5 mile east of, south edge of concrete highway, east bank of canal, 40 feet southwest of cross roads, in concrete post; bronze tablet stamped "1919 B B 92 340"----- | 340.345 |
| Dinuba, 0.5 mile east by 1 mile south of, 40 feet northeast of cross roads, in base of power pole painted "U. S. 334"; spike-----  | 334.09  |
| Dinuba, 0.5 mile east by 2 miles south of, 40 feet southwest of cross roads, on south end of concrete culvert; chiseled square, marked "U. S. 329"-----                        | 329.47  |
| From Sultana quadrangle west along highways near northeast corner of Reedley quadrangle  |         |
| Orange Cove, 2.6 miles west by 0.5 mile south of, opposite T road north, in base of telephone pole painted "U. S. 387"; spike-----   | 386.95  |

## RIVERDALE QUADRANGLE

[Latitude 36° 22' 30"-36° 30'; longitude 119° 45'-119° 52' 30"]

## FRESNO AND KINGS COUNTIES

Primary leveling by L. F. Biggs in 1919

| From Burrel quadrangle east along highways near north border of Riverdale quadrangle   |         |
|--|---------|
|  | Feet    |
| T. 17 S., R. 19 E., northeast corner of sec. 2, at T fence south, in corner fence post painted "U. S. 224"; spike-----                                 | 225.22  |
| T. 17 S., R. 20 E., northwest corner of sec. 6, at T road south to Riverdale; iron post stamped "U. S. E. D. 315 239.6" (U. S. E. D. elev=239.56)----- | 236.460 |
| T. 16 S., R. 20 E., at T road north, southwest corner of sec. 31, top of 4 by 4 inch stake, fence post painted "U. S. 234"-----                        | 234.21  |
| T. 16 S., R. 20 E., southwest corner of sec. 32, at T road north, in corner fence post painted "U. S. 230"; spike-----                                 | 230.84  |
| T. 16 S., R. 20 E., southeast corner of sec. 32, at T fence north, in fence post painted "U. S. 236"; spike-----                                       | 236.99  |
| T. 17 S., R. 20 E., northeast corner of sec. 4; iron post stamped "U. S. E. D. No. 314 241.4" (U. S. E. D. elev=241.37)-----                           | 238.270 |
| T. 17 S., R. 20 E., north corner of secs. 2 and 3, top of granite corner stone; chiseled square, "U. S. 239" scribed on corner fence post--            | 239.44  |

Primary leveling by R. B. Steele in 1923

Along south border of quadrangle

|   |         |
|---|---------|
| Reference mark, center of Y roads; iron stake at P. B. M.-----  | 229.23  |
| T. 18 S., R. 20 E., at center of sec. 9, northeast angle of crossroads; iron post stamped "Prim. Trav. Sta. No. 3 R. S. 1923," painted "U. S. 227.9 B. M."-----   | 228.409 |
| T. 18 S., R. 20 E., quarter corner between secs. 7 and 8, 0.25 mile east of, on north side of road, at fence line north, in base of corner fence post; railroad spike, painted "U. S. 224.3 B. M."----- | 224.87  |
| T. 18 S., R. 20 E., near quarter corner between secs. 7 and 8, in southwest angle of crossroads, in base of corner fence post; railroad spike, pole 3 feet east painted "U. S. 227.4 B. M."-----        | 227.94  |
| Center of culvert at cross roads, painted "224.0"-----  | 224     |

|  | Feet     |
|--|----------|
| T. 18 S., R. 20 E., near quarter corner on west side of sec. 7, in northeast angle of T road east; iron post stamped "Prim. Trav. Sta. No. 2 R. S. 1923," corner fence post painted "U. S. 220.6 P. B. M."-----  | 221. 168 |
| Reference mark, 160 feet east of P. B. M., in base of 8-inch willow tree; railroad spike-----  | 221. 83  |
| Junction with T road west, painted "228.2"-----  | 229      |
| T. 18 S., R. 19 E., quarter corner on north side of sec. 12, 0.2 mile east of, on south side of road where road approaches levee and at angle in road, 5 feet southeast from corner fence post, in base of willow stump; copper nail and washer painted "U. S. 223.5 B. M."----- | 223. 984 |
| From point near northwest corner of quadrangle south to point near Riverdale, thence east through center of quadrangle into Laton quadrangle   |          |
| T. 17 S., R. 19 E., northeast corner of sec. 2, at T fence south, in corner fence post; spike painted "U. S. 224 B. M."-----   | 225. 275 |
| T. 16 S., R. 19 E., near southeast corner of sec. 35, in northwest angle of T road north; iron post stamped "Prim. Trav. Sta. No. 7, 1921, R. S. 1 1923," telegraph pole west painted "U. S. 227.2 P. B. M."-----  | 227. 453 |
| Reference mark, 60 feet southeast of P. B. M., in root on north side of 24-inch poplar tree; spike-----  | 228. 268 |
| P. B. M., U. S. E. D., T. 17 S., R. 20 E., northwest corner of sec. 6, at T road south of Riverdale; iron post stamped "U. S. E. D. 315 239.6 R. S. 1923"-----   | 236. 460 |
| Center of road, opposite telephone pole painted "224"-----   | 224      |
| T. 17 S., R. 19 E., in southeast corner of sec. 1, in northwest angle of intersection of Davis and Marks avenues, in base of telephone pole; spike, pole painted "U. S. 223.4 B. M."-----  | 223. 45  |
| Center of road, on top of low ridge, telephone pole opposite painted "229"-----  | 229      |
| Center of bridge over irrigation canal, fence opposite painted "224.7"-----  | 225      |
| Reference mark, 110 feet southwest of P. B. M., in root on east side of 12-inch willow tree; spike-----  | 219. 28  |
| T. 17 S., R. 20 E., sec. 18, 312 feet south by 40 feet east of northwest corner of, in pasture 10 feet east of fence line; iron post stamped "Prim. Trav. Sta. No. 15 R. S. 2 1923," telephone pole 110 feet northwest painted "U. S. 222.8 P. B. M."-----                       | 222. 892 |
| Center of bridge over slough, fence southeast painted "222.6"-----   | 223      |
| T. 17 S., R. 19 E., in southeast corner of sec. 13, in northwest angle of T road west, in top of corner fence post; spike, telephone pole 60 feet east painted "U. S. 222.8 B. M."-----  | 222. 99  |
| Center of bridge over Murphy Slough, painted "224.5"-----  | 225      |
| Reference mark, 500 feet north of P. B. M., concrete culvert, center of top of east head wall; chiseled square-----  | 223. 79  |
| Riverdale, 0.5 mile east of, T. 17 S., R. 20 E., southwest corner of sec. 19, in northeast angle of Marks and Mount Whitney avenues; iron post stamped "Prim. Trav. Sta. No. 16 R. S. 3 1923," telephone pole 8 feet north painted "U. S. 223.0 P. B. M."-----                   | 223. 242 |



|   | Feet     |
|---|----------|
| T. 17 S., R. 20 E., 350 feet west of corner of secs. 19, 20, 29, and 30; center of top of south head wall of concrete culvert; chiseled square, telephone pole 50 feet northwest painted "U. S. 228.7 B. M."-----   | 228. 98  |
| Center of concrete culvert over irrigation ditch, telephone pole northwest painted "227"-----   | 227      |
| Junction with T road north, fence south painted "226.2"-----  | 226      |
| T. 17 S., R. 20 E., near corner of secs. 20, 21, 28, and 29, 100 feet east of crossroads, concrete culvert, center of top of north head wall; chiseled square, fence north painted "U. S. 230.9 B. M."-----   | 231. 24  |
| Center of culvert over irrigation ditch, fence south painted "231.2"---   | 231      |
| Reference mark, 260 feet south of P. B. M., concrete culvert, center of top of east head wall; chiseled square-----   | 234. 19  |
| T. 17 S., R. 20 E., northwest corner of sec. 27, in southeast angle of intersection of Mount Whitney and Elm avenues, directly in front of gas station, 4 inches below surface of ground; iron post stamped "Prim. Trav. Sta. No. 17 R. S. 4 1923," painted "U. S. 233.4 P. B. M."----- | 233. 666 |
| Center of road at top of knoll, fence north painted "237"-----  | 237      |
| T. 17 S., R. 20 E., northwest corner of sec. 26, in southeast angle of crossroads, inside pasture, in root on north side of willow tree; spike, telephone pole 30 feet east painted "U. S. 231.3 B. M."-----  | 231. 59  |
| Center of road crossing on Southern Pacific R. R.; top of east rail, crossing sign painted "235.0"-----   | 235      |
| T. 17 S., R. 20 E., northwest corner of sec. 25, in southeast angle of crossroads, on top at east end of concrete culvert; chiseled square, telephone pole 30 feet northeast painted "U. S. 240.3 B. M."-----   | 240. 64  |
| Center of road at T fence south, fence south painted "237"-----   | 238      |

From point near Riverdale south to south border of quadrangle

|  |          |
|--|----------|
| Riverdale, 1 mile south by 0.5 mile east of, on east side of road at T road west, in base of corner fence post; railroad spike, painted "U. S. 221.9 B. M."-----   | 222. 222 |
| Riverdale, 2 miles south by 0.5 mile east of, in southeast angle of crossroads, in base of telephone pole; railroad spike, painted "U. S. 221.7 B. M."-----  | 222. 06  |
| T. 18 S., R. 19 E., 0.2 mile east of quarter corner on north side of sec. 12, on south side of road where road approaches levee, at small angle in road, 7 feet southeast from corner fence post, in base of willow stump; copper nail, painted "U. S. 223.5 B. M."--- | 223. 98  |

ROUND MOUNTAIN QUADRANGLE

[Latitude 36° 45'-36° 52' 30"; longitude 119° 30'-119° 37' 30"]

FRESNO COUNTY

Primary leveling by L. F. Biggs in 1919

From Sanger quadrangle north along highways in west part of Round Mountain quadrangle to Collins

|  | Feet   |
|--|--------|
| Clotho, 2 miles north of, 50 feet southwest of crossroads, in base of gum tree scribed "U. S. 365"; spike----- | 365 10 |

|  | Feet     |
|--|----------|
| Clotho, 2.8 miles north of, southwest corner of bridge; top of bolt-head, painted "U. S. 360"-----   | 359. 98  |
| Clotho, 4 miles north of, 100 feet north of slough, west edge of road, in concrete post; bronze tablet stamped "1919 B B 81 373"-----                                | 372. 724 |
| Clotho, 5 miles north of, 40 feet northeast of crossroads, in corner fence post painted "U. S. 380"; spike-----  | 380. 13  |
| Clotho, 6 miles north of, 30 feet southeast of crossroads, in corner fence post painted "U. S. 389"; spike-----  | 389. 16  |
| Red Bank School, 1 mile south of, 40 feet northwest of T road north, top of 3 by 4 inch post painted "U. S. 403"-----  | 403. 53  |
| T. 13 S., R. 22 E., quarter corner on north side of sec. 8, northwest corner of Red Bank School yard, in concrete post; bronze tablet stamped "82 1919 B B 411"----- | 410. 980 |
| Red Bank School, 0.6 mile west of, at second-class road north, in gatepost painted "U. S. 400"; spike-----   | 399. 88  |
| Red Bank School, 0.6 mile west by 1 mile north of, at northeast corner of small eucalyptus grove, south of road, in fence post painted "U. S. 414"; spike-----       | 414. 39  |
| Collins ranch, 1 mile south of, 50 feet northeast of T road west, in corner fence post painted "U. S. 424"; spike-----   | 423. 87  |

Primary leveling by L. D. Ryus in 1901 and L. F. Biggs in 1919

From Collins east along highways near north border of quadrangle and north into Academy quadrangle

|  |          |
|--|----------|
| Collins ranch, 40 feet southeast of T road south and Y road southwest, in base of power pole painted "U. S. 440"; spike-----   | 441. 04  |
| Collins ranch, about 300 feet south of road crossing at Collins, in sill of flume; nail, marked "438"-----   | 434. 99  |
| Collins ranch, 1.1 miles east of, opposite second section house, in foot of telephone pole; spike, marked "463"-----   | 460. 26  |
| Collins ranch, 1.1 miles northeast of, at section house No. 6, south side of road, opposite curve in flume where road leaves flume west of section house; iron post (Bull. 342 + 0.530)----- | 461. 379 |
| Section house No. 6, 1.1 miles east of, at northeast corner of bridge over Dog Creek; bolt, marked "465"-----  | 462. 66  |
| Collins ranch, 2 miles east of, 40 feet east of T road south, in base of power pole 105 painted "U. S. 462"; spike-----  | 462. 90  |
| Collins ranch, 3 miles east of, at angle to northeast in road, in base of power pole 121 painted "U. S. 476"; spike-----   | 476. 46  |
| Academy, 1.3 miles southwest of, 30 feet southeast of crossroad north and south, 10 feet east of fence corner, in concrete post; bronze tablet stamped "1919 B B 111 494"-----               | 494. 300 |
| Academy, 1.33 miles south of, west side of road, in foot of telephone pole; spike, marked "496"-----   | 493. 59  |

## SANGER QUADRANGLE

[Latitude 36° 37' 30"-36° 45'; longitude 119° 30'-119° 37' 30"]

## FRESNO COUNTY

Primary leveling by L. D. Ryus in 1902 and L. F. Biggs in 1919

From Malaga quadrangle east along highways in north part of Sanger quadrangle into Wahtoke quadrangle

|   | Feet     |
|---|----------|
| Clotho, 1 mile north of, 10 miles east of Fresno, 30 feet southwest of crossroads, in fence post painted "U. S. 352"; spike (reported destroyed by R. B. Wilcoxon, 1920)----- | 352. 01  |
| Fresno; 11 miles east of, opposite T road north, in base of telephone pole 10-25 painted "U. S. 362"; spike-----  | 362. 54  |
| Centerville, 4 miles west of, 50 feet west of crossroads, south of road on north canal bank; iron post stamped "373"-----   | 373. 495 |
| Centerville, 3 miles west of, 2 miles north of Sanger, 50 feet southwest of crossroads, south end of concrete culvert; chiseled square, marked "U. S. 381"-----               | 380. 85  |
| Centerville, 2 miles west of, north of road, in telephone pole painted "U. S. 384"; spike-----  | 384. 55  |
| Centerville, 1 mile west of, 0.5 mile east of Fowler ditch, south edge of road; iron post stamped "394 B"-----  | 394. 150 |
| Centerville, 100 feet east of crossroads, south of road, in base of 30-inch eucalyptus tree scribed "U. S. 391"; spike-----   | 391. 68  |

Primary leveling by C. A. Ecklund in 1916

From point on Kings River near east border of quadrangle west and north to point 1 mile west of Centerville (Kingsriver)

|   |          |
|---|----------|
| Sanger, 4 miles southeast of, 1.25 miles west of Alameda School, 200 feet east of long wooden bridge, at northwest corner of T road north; iron post stamped "332"-----                 | 332. 472 |
| Wahtoke, 2 miles west of, 1 mile east of Kings River, at west end of wooden bridge 275 feet long, in north side; nail-----  | 336. 13  |
| Wahtoke, 3 miles west of, Kings River steel bridge, at east end, in north side; nail-----   | 337. 38  |
| Sanger, 2 miles southeast of, 1 mile west of Kings River, in south end of wooden culvert; nail-----   | 332. 78  |
| Sanger, 1.5 miles southeast of, northeast corner of crossroads, 60 feet east of wooden bridge over Kings ditch; iron post stamped "363"-----  | 363. 812 |
| Sanger, 0.5 mile east of, 70 feet east of Kings ditch, northeast corner of crossroads, in base of fence post; nail-----   | 371. 92  |
| Sanger, 1 mile northeast of, in base of flume support, road passes under flume; nail (reported destroyed by Wilcoxon, 1920)-----  | 377. 32  |
| Sanger, 2 miles northeast of, 20 feet west of house, south side of road, in root of tree; nail (reported destroyed by Wilcoxon, 1920)-----  | 381. 96  |
| Centerville, 1 mile southwest of, at bend in road, west side of road, in base of north gate post; nail-----   | 386. 67  |
| Centerville, 0.5 mile west of, where road turns west, in northeast end of concrete culvert-----   | 395. 34  |
| Centerville (Kingsriver post office, discontinued), 1 mile west of, 0.25 mile east of Fowler ditch, south edge of county road; iron post stamped "393" (Bull. 342, p. 112, +0.800)----- | 394. 150 |

## Primary leveling by L. F. Biggs in 1919

From Selma quadrangle north along highways in west part of Sanger quadrangle to point 2 miles north of Clotho (leveled twice except last mile)

|   | Feet    |
|---|---------|
| Selma, 4 miles north of, 30 feet southwest of crossroads, in fence post painted "U. S. 325"; spike-----   | 325.20  |
| Selma, 5 miles north of, 40 feet southwest of crossroads, west end of concrete culvert; chiseled square, marked "U. S. 334"-----  | 334.74  |
| Selma, 6 miles north of, 50 feet southwest of crossroads, at north-east corner of Prairie School yard, in concrete post; bronze tablet stamped "1919 B B 79 334"-----   | 334.872 |
| Prairie School, 1 mile north of, south bank of creek, 4 feet east of bridge; top of post to retaining wall, painted "U. S. 340"-----                                    | 339.82  |
| Prairie School, 2 miles north of, 40 feet southwest of crossroads, west end of concrete culvert; chiseled square, marked "U. S. 344"-----                               | 344.60  |
| Prairie School, 3 miles north of, 50 feet northwest of crossing of Fresno-Sanger and Selma roads, in concrete post; bronze tablet stamped "80 1919 B B 346"-----        | 346.501 |
| Clotho, 80 feet southwest of railroad crossing, in power pole, painted "U. S. 348"; spike (reported destroyed by Wilcoxon, 1920)-----                                   | 347.91  |
| Clotho, 1 mile north of, 10 miles east of Fresno, 30 feet southwest of crossroads, in fence post painted "U. S. 352"; spike (reported destroyed by Wilcoxon, 1920)----- | 352.01  |

## SELMA QUADRANGLE

[Latitude 36° 30'-36° 37' 30''; longitude 119° 30'-119° 37' 30'']

## FRESNO AND TULARE COUNTIES

## Precise leveling by C. H. Semper in 1901

From point near Selma southeast along Southern Pacific R. R. into No. 30 quadrangle

|   | Feet    |
|---|---------|
| Selma, 0.8 mile north of, 11 feet south of milepost 220, west side of track, at edge of highway; iron post stamped "310 B"----- | 310.865 |
| Selma, in front of station; top of rail-----  | 306.3   |
| Selma, 2.2 miles south of, 8 feet south of milepost 223, west side of track, at edge of highway; iron post stamped "305 B"----- | 305.248 |

## Primary leveling by L. F. Biggs in 1919

From point near Selma along highways east and north into Sanger quadrangle (leveled twice)

|   |         |
|---|---------|
| Selma, 1 mile north of, 0.5 mile west of, 40 feet southwest of crossroads, in telephone pole painted "U. S. 315"; spike-----                        | 315.37  |
| Selma, 1 mile north of, 50 feet southeast of crossroads, in base of large eucalyptus tree scribed "U. S. 320"; spike-----                           | 320.18  |
| Selma, 2 miles north of, 50 feet southwest of crossroads, in corner fence post painted "U. S. 322"; spike-----                                      | 322.03  |
| Selma, 3 miles north of, 30 feet northwest of crossroads, south bank of small canal, in concrete post; bronze tablet stamped "78 1919 B B 326"----- | 326.033 |

From Reedley quadrangle west and south along highways near east border of Selma quadrangle and east into Reedley quadrangle

|   | Feet    |
|---|---------|
| Reedley Bridge, 2 miles west of, 40 feet southeast of crossroads, south side of concrete bridge; bronze tablet stamped "343 1919 B B 93"-----   | 343.544 |
| Reedley Bridge, 2 miles west by 1 mile south of, 40 feet southwest of crossroads, west end of concrete culvert; chiseled square, marked "U. S. 338"-----                                  | 338.07  |
| Reedley Bridge, 2 miles west by 2 miles south of, 50 feet northeast of crossroads, north end of concrete culvert; chiseled square, marked "U. S. 331"-----                                | 331.70  |
| Reedley Bridge, 2 miles west by 3 miles south of, 60 feet southwest of crossroads, in telephone pole painted "U. S. 323"; spike-----  | 323.84  |
| Reedley Bridge, 2 miles west by 3.5 miles south of, 50 feet northwest of crossroads, southeast corner of Clay School yard, in concrete post; bronze tablet stamped "94 1919 B B 320"----- | 320.618 |
| Clay School, 0.5 mile south of, 100 feet south of crossroads, in power pole painted "U. S. 319"; spike-----   | 318.88  |
| Clay School, 0.6 mile south of, top on concrete post marking Fresno-Tulare county line-----   | 321.12  |
| Clay School, 1 mile south of, at turn west in road, corner fence post painted "U. S. 296"; spike-----   | 296.18  |
| Kingsburg, 2 miles east of, 40 feet northwest of crossroads, in telephone pole painted "U. S. 304"; spike-----  | 304.77  |
| Kingsburg, 2.5 miles east of; top of northwest concrete pier of highway bridge over Kings River, painted "U. S. 300"-----   | 299.79  |

From northwest corner of No. 30 quadrangle north along highways near west border of Selma quadrangle to Selma

|   |         |
|---|---------|
| T. 16 S., R. 22 E., 60 feet southeast of crossroads, at northeast corner of sec. 30, in telephone pole painted "U. S. 282"; spike-----  | 282.19  |
| T. 16 S., R. 22 E., northwest corner of sec. 19, 30 feet southeast of crossroads, 1 mile west by 2 miles south of Selma, in concrete post; bronze tablet stamped "289 1919 B B 70"----- | 290.043 |
| Selma, 1 mile east by 1 mile south of, 100 feet northwest of crossroads, in power pole painted "U. S. 294"; spike-----  | 294.18  |
| Selma, 1 mile east by 0.5 mile south of, 40 feet southwest of crossroads, west end of concrete culvert; painted "U. S. 307"-----  | 307.12  |
| Selma, 1 mile west of, at crossroads; south end of concrete culvert, chiseled "U. S. 308"-----  | 309.00  |

Primary leveling by H. S. Senseney in 1923

Near southwest corner of quadrangle

|   |         |
|---|---------|
| Reference mark, 12 feet west of post, in fence post; railroad spike--   | 288.32  |
| Kingsburg, 2.4 miles southeast of, 0.6 mile southeast of Kings River bridge, on north side of State highway, at Southern Pacific mile-post 228; iron post stamped "Prim. Trav. Sta. No. 12 1921"----- | 298.141 |

## STOKES MOUNTAIN QUADRANGLE

[Latitude 36° 30'—36° 37' 30''; longitude 119° 07' 30''—119° 15']

## TULARE COUNTY

Primary leveling by L. F. Biggs in 1919

From Reedley quadrangle east along highways to point 2 miles north of Stokes triangulation station (spur line leveled twice)

|   | Feet     |
|---|----------|
| Orosi Tank, 0.5 mile south by 1.5 miles east of, 40 feet southwest of crossroads, in base of power pole painted "U. S. 417"; spike-----   | 417. 33  |
| Orosi Tank, 0.5 mile south by 2.5 miles east of, 100 feet east of T road north, in power pole painted "U. S. 428"; spike-----   | 427. 92  |
| Orosi Tank, 0.5 mile south by 3.5 miles east of, about 2 miles north of Stokes triangulation station, 50 feet northeast of crossroads, at angle north in General Grant Park road, in concrete post; bronze tablet stamped "1919 B B 102 465"----- | 465. 211 |

Primary leveling by F. R. Swearingen in 1923

Near southwest corner of quadrangle

|  |          |
|--|----------|
| T. 16 S., R. 25 E., at south corner of secs. 33 and 34, at junction with T road north, in center of highway; iron plug, marked "U. S. 346.7 B. M."-----  | 347. 03  |
| T. 16 S., R. 25 E., at corner of secs. 27, 28, 33, and 34, 20 feet west by 10 feet south of intersection of crossroads, in telephone pole; railroad spike, marked "U. S. 359.3 B. M."-----         | 359. 58  |
| Cutler, 0.5 mile south by 2 miles east of, west base of Stokes Mountain, 50 feet southeast of crossroads, in east concrete abutment of canal weir; bronze tablet stamped "1919 B. B. 100 381"----- | 381. 338 |

## SULTANA QUADRANGLE

[Latitude 36° 30'—36° 37' 30''; longitude 119° 15'—119° 22' 30'']

## FRESNO AND TULARE COUNTIES

Primary leveling by L. F. Biggs in 1919

From Reedley quadrangle along highways east, north, and west near south, east, and north borders of Sultana quadrangle to Reedley quadrangle

|  | Feet     |
|--|----------|
| Smyrna, 1.2 miles east of, 50 feet southwest of crossroads, west end of concrete culvert; chiseled "U. S. 338"-----  | 338. 72  |
| Smyrna, 2.2 miles east of, 100 feet east of T road north, in telephone pole painted "U. S. 338"; spike-----  | 338. 57  |
| Cutler, 0.5 mile south by 1 mile west of, 30 feet southwest of crossroads, south end of concrete culvert; chiseled "U. S. 348"-----  | 348. 63  |
| Cutler, 0.5 mile south of, west edge of Atchison, Topeka & Santa Fe Ry. right of way, east edge of concrete highway, 50 feet northeast of crossroads, in concrete post; bronze tablet stamped "99 B B 1919 358"----- | 357. 941 |
| Cutler, 0.5 mile south by 1 mile east of, 40 feet southeast of crossroads, in base of power pole painted "U. S. 364"; spike-----   | 363. 94  |
| Cutler, 0.5 mile south by 2 miles east of, west base of Stokes Mountain, 50 feet southwest of crossroads, in east concrete abutment of canal weir; bronze tablet stamped "1919 B B 100 381"-----                     | 381. 338 |

|   | Feet     |
|---|----------|
| Orosi Tank, 0.5 mile east by 1.5 miles south of, 40 feet north of T road west, in base of power pole 769, painted "U. S. 387"; spike_____   | 387. 46  |
| Orosi Tank, 0.5 mile east by 0.5 mile south of, 40 feet northwest of crossroads, in base of power pole 751, painted "U. S. 403"; spike_____   | 402. 94  |
| Orosi Tank, 0.5 mile east by 0.5 mile north of, at T road west, in base of power pole 734, painted "U. S. 408"; spike_____  | 407. 91  |
| Orosi Tank, 0.5 mile east by 1 mile north of, 40 feet northwest of crossroads, 6 feet northeast of power pole 725, in concrete post; bronze tablet (?) stamped "101 1919 B B 415"_____  | 415. 612 |
| Orosi Tank, 0.5 mile east by 1.5 miles north of, 40 feet southwest of intersection of Eldorado Road and Santa Cruz Ave., in base of power pole 717 painted "U. S. 432"; spike_____  | 432. 06  |
| Santa Cruz Ave., top of rail of Atchison, Topeka & Santa Fe Ry_____   | 413. 2   |
| Orosi Tank, 0.5 mile west of by 1.5 miles north of, 40 feet southwest of crossroads, in base of power pole 694 painted "U. S. 406"; spike_____  | 406. 53  |
| Orosi, 2 miles north of, 40 feet northeast of crossroads, at base of automobile signboard "Orosi 2 miles, Orange Cove 4 miles," etc., in concrete post; bronze tablet (?) stamped "1919 B B 103 406"_____   | 406. 198 |
| Orosi, 3 miles north of, 40 feet northwest of crossroads, in base of power pole 662, painted "U. S. 425"; spike_____  | 425. 02  |
| Orosi, 3.8 miles north of, north edge of road, at base of rocky butte; boulder chiseled "U. S. 436"_____  | 436. 00  |
| Orange Cove, 1.4 miles east and 0.5 mile south of, 30 feet northwest of crossroads, in base of telephone pole painted "U. S. 454"; spike_____   | 454. 27  |
| Orange Cove, 1.4 miles east of, 40 feet northeast of crossroads, at base of automobile club signboard, in concrete post; bronze tablet (?) stamped "104 1919 B B 460"_____  | 460. 761 |
| Orange Cove, 0.4 mile east of, 40 feet northwest of crossroads, in base of power pole painted "U. S. 432" (Tulare-Fresno county line); spike_____   | 432. 27  |
| Orange Cove, 500 feet northeast of depot, northeast corner of park, opposite Big Tree garage, top of concrete curb; chiseled square, marked "U. S. 424"_____  | 423. 79  |
| Orange Cove, 0.6 mile west of, 40 feet southwest of crossroads, in base of power pole painted "U. S. 416"; spike_____   | 415. 88  |
| Orange Cove, 1.6 miles west of, 50 feet northwest of T road east, on fence line, in concrete post; bronze tablet stamped "1919 B B 105 404"_____  | 404. 491 |
| Orange Cove, 1.6 miles west by 0.5 mile south of, 40 feet northwest of crossroads, in corner fence post painted "U. S. 398"; spike_____   | 397. 56  |
| From Reedley quadrangle east along highways to point 2 miles north of Stokes triangulation station (spur line leveled twice)  |          |
| Orosi Tank, 0.5 mile south by 1.5 miles east of, 40 feet southwest of crossroads, in base of power pole painted "U. S. 417"; spike_____   | 417. 33  |
| Orosi Tank, 0.5 mile south by 2.5 miles east of, 100 feet east of T road north, in power pole painted "U. S. 428"; spike_____   | 427. 92  |
| Orosi Tank, 0.5 mile south by 3.5 miles east of, about 2 miles north of Stokes triangulation station, 50 feet northeast of crossroads, at angle north in General Grant Park road, in concrete post; bronze tablet stamped "1919 B B 102 465"_____ | 465. 211 |

## Primary leveling by F. R. Swearingen in 1923

## Near Smyrna

|   | Feet    |
|---|---------|
| T. 16 S., R. 24 E., corner of secs. 27, 28, 33, and 34, 25 feet north by 30 feet west of intersection of crossroads, in telephone pole; spike, marked "U. S. 319.2 B. M."-----  | 319.450 |
| Smyrna, 150 feet southeast of station, 40 feet northeast of road crossing, at east edge of railroad right of way, in concrete post; bronze tablet stamped "1919 B. B. 329"----- | 329.897 |

## TRAVER QUADRANGLE

[Latitude 36° 22' 30''-36° 30'; longitude 119° 22' 30''-119° 30']

## TULARE COUNTY

## Precise leveling by C. H. Semper in 1901

|  |         |
|--|---------|
| From No. 30 quadrangle southeast along Southern Pacific R. R. across west part of Traver quadrangle into Goshen quadrangle       | Feet    |
| Traver, in front of station; top of rail (Bull. 342, p. 18, +0.5)-----   | 285.8   |
| Traver, 0.5 mile south of, 19 feet south of milepost 232, west side of track, at edge of highway; iron post stamped "283 B"----- | 283.321 |
| Traver, 3.5 miles south of, 9 feet south of milepost 235, west side of track, at edge of highway; iron post stamped "271 B"----- | 271.894 |

## Primary leveling by L. F. Biggs in 1919

|   |        |
|---|--------|
| From Reedley quadrangle south along highways in northwest part of Traver quadrangle to Traver                     |        |
| Kingsburg, 3 miles east by 2 miles south of, opposite T road north, in fence post painted "U. S. 296"; spike----- | 296.33 |

## Primary leveling by R. B. Steele in 1923

|  |         |
|--|---------|
| From milepost 235 southeast along Southern Pacific R. R. to south border of quadrangle   |         |
| Traver, 3.5 miles south of, 650 feet north of milepost 235, on west edge of Southern Pacific R. R. track, 2 feet east of right of way fence; iron post stamped "271 B"-----        | 271.894 |
| Goshen, 3.25 miles north of, on west side of Southern Pacific R. R. track, opposite milepost 236, in base of telegraph pole; railroad spike, pole painted "U. S. 272.9 B. M."----- | 273.43  |
| Goshen, 2.25 miles north of, on west side of Southern Pacific R. R. track, opposite milepost 237, in base of telegraph pole; railroad spike, pole painted "U. S. 279.1 B. M."----- | 279.64  |

## TRAVER, GOSHEN, VISALIA, TULARE, AND TIPTON QUADRANGLES

[Latitude 36°-36° 30'; longitude 119°-119° 30']

## TULARE COUNTY

## Precise leveling by C. H. Semper in 1901-2

|  |         |
|--|---------|
| From Traver southeast along Southern Pacific R. R. to Tipton   | Feet    |
| Traver, in front of station; top of rail-----  | 285.8   |
| Traver, 0.5 mile south of, 19 feet south of milepost 232, west side of track, at margin of highway; iron post stamped "283 B"----- | 283.321 |



|  | Feet     |
|--|----------|
| Traver, 3.5 miles south of, 9 feet south of milepost 235, west side of track, at margin of highway; iron post stamped "271 B"-----                     | 271. 894 |
| Milepost 238, 10 feet south of, west side of track, at margin of highway; iron post stamped "280 B"-----   | 280. 457 |
| Goshen, in front of station; top of rail-----  | 284. 0   |
| Goshen, 1.4 miles south of, opposite milepost 241, east side of track, at margin of highway; iron post stamped "286 B"-----                            | 286. 817 |
| Milepost 244, 10 feet south of, west side of track; iron post stamped "293 B"-----   | 293. 268 |
| Milepost 247, opposite, east side of track, at fence line; iron post stamped "293 B"-----  | 293. 832 |
| Tulare, at crossing of Santa Fe Ry.; top of rail-----  | 288. 8   |
| Tulare, 10 feet south of northeast corner of public library fence, 200 feet south of milepost 250, west side of track; iron post stamped, "285 B"----- | 285. 196 |
| Tulare, in front of station; top of rail-----  | 287. 8   |
| Tulare, 2.9 miles south of, 10 feet south of milepost 253, west side of track, at edge of highway; iron post stamped "269 B"-----                      | 269. 645 |
| Milepost 256, 4 feet north of, west side of track, beside highway fence; iron post stamped "266 B"-----  | 266. 669 |
| Milepost 259, opposite, east side of track, at fence line on east side of highway; iron post stamped "266 B"-----                                      | 266. 914 |
| Tipton, in front of station; top of rail-----  | 272. 5   |
| Tipton, 1.4 miles south of, east side of track, at fence line, opposite milepost 262; iron post stamped "277 B"-----                                   | 277. 720 |
| Tipton, 4.4 miles south of, west side of track, opposite milepost 265; iron post stamped "272 B"-----  | 273. 050 |

## VISALIA QUADRANGLE

[Latitude 36° 15'-36° 22' 30''; longitude 119° 15'-119° 22' 30'']

## TULARE COUNTY

Primary leveling by F. R. Swearingen in 1923

Near northwest corner of quadrangle

|   | Feet     |
|---|----------|
| Reference mark, 10 feet east of P. B. M., in telephone pole; railroad spike-----  | 316. 29  |
| T. 18 S., R. 24 E., corner of secs. 11, 12, 13, and 14, 30 feet south by 40 feet west of junction with T road west; iron post stamped "9 M 1923"-----   | 315. 893 |
| T. 18 S., R. 24 E., corner of secs. 10, 11, 14, and 15, 25 feet west by 25 feet south of intersection of right-angle roads west and south, in telephone pole; railroad spike, marked "U. S. 308.5 B. M."----- | 308. 88  |
| T. 18 S., R. 24 E., corner of secs. 9, 10, 15, and 16, 20 feet south by 30 feet east of intersection of crossroads; iron post stamped "10 M 1923"-----  | 303. 471 |
| Reference mark, 40 feet west of P. B. M., in corner fence post; railroad spike-----   | 302. 98  |
| East through center of quadrangle, thence south and west to southwest corner  |          |
| T. 18 S., R. 24 E., corner of secs. 27, 28, 33, and 34, at Oak Grove School, in southeast angle of crossroads; iron post stamped "1 M 1923"-----  | 302. 645 |

|   | Feet     |
|---|----------|
| T. 18 S., R. 24 E., corner of secs. 26, 27, 34, and 35, in line with T road north, in fence post; railroad spike, marked "U. S. 308.7 B. M."-----   | 309. 21  |
| T. 18 S., R. 24 E., 0.25 mile west of corner of secs. 25, 26, 35, and 36, 0.25 mile west of Highway School, in northeast angle of crossroads, on top of north end of concrete culvert; chiseled square, marked "U. S. 312.601 B. M."----- | 313. 07  |
| T. 18 S., Rs. 24 and 25 E., near corner of secs. 25, 30, 36, and 31, concrete bridge over Mill Creek, on top of west wing north end of head wall; chiseled square, marked "U. S. 318.8 B. M."-----  | 319. 21  |
| Visalia, at intersection of Cross and Main streets, on east side of concrete curb around 4-foot oak tree; chiseled square, marked "U. S. 234.2 B. M."-----  | 324. 66  |
| Visalia, Tulare County courthouse, at east side of steps at south entrance, in granite baluster; aluminum tablet stamped "334 G"-----   | 334. 363 |
| Visalia, Tulare County courthouse, southeast corner of yard; iron post stamped "2 M 1923"-----  | 330. 968 |
| T. 18 S., R. 25 E., quarter corner of secs. 28 and 33, in southeast angle of T road south, inside fence, in root on north side of 36-inch oak tree; copper nail and washer, marked "U. S. 338.9 B. M."-----                               | 339. 29  |
| T. 18 S., R. 25 E., corner of secs. 27, 28, 33, and 34, in southeast angle of crossroads, in telephone pole; railroad spike, marked "U. S. 342.5 B. M."-----  | 342. 91  |
| Tps. 18 and 19 S., R. 25 E., at quarter corner of secs. 3 and 34, in northeast angle of T road north, in corner fence post; railroad spike, marked "U. S. 343.9 B. M."-----   | 344. 40  |
| T. 19 S., R. 25 E., quarter corner of secs. 3 and 4, in southwest angle of T road west, in root on east side of 36-inch cottonwood tree; copper nail and washer, marked "U. S. 339.2 B. M."-----  | 339. 68  |
| T. 19 S., R. 25 E., quarter corner of secs. 9 and 10, on east side of road, 30 feet north of T fence east, in base of telephone pole; railroad spike, marked "U. S. 336.1 B. M."-----   | 336. 63  |
| Reference mark, 10 feet west by 60 feet north of P. B. M., bridge over canal, on top at northwest end of southeast wing of concrete head wall-----  | 337. 91  |
| T. 19 S., R. 25 E., corner of secs. 9, 10, 15, and 16, in southeast angle of T road east, 60 feet south of bridge over irrigation ditch; iron post stamped "4 M 1923," fence post marked "U. S. 334.6 B. M."-----                         | 335. 135 |
| T. 19 S., R. 25 E., near corner of secs. 15, 16, 21, and 22, in southeast angle of crossroads, corner fence post; railroad spike, marked "U. S. 333.1 B. M."-----   | 333. 61  |
| T. 19 S., R. 25 E., quarter corner of secs. 21 and 22, in southeast angle of crossroads, in base of telephone pole; railroad spike, marked "U. S. 327.2 B. M."-----   | 327. 72  |
| T. 19 S., R. 25 E., corner of secs. 21, 22, 27, and 28, in northeast angle of crossroads; iron post stamped "5 M 1923," fence post marked "U. S. 323.7 B. M."-----  | 324. 189 |
| Reference mark, 60 feet south by 60 feet west of P. B. M., in southwest angle of crossroads, in base of telephone pole; railroad spike-----   | 324. 51  |
| T. 19 S., R. 25 E., corner of secs. 20, 21, 28, and 29, 72 feet east of T road north and 72 feet east of private road south to Swall Land Co., in base of telephone pole; railroad spike, marked "U. S. 321.4 B. M."-----                 | 321. 90  |

|  | Feet     |
|--|----------|
| T. 19 S., R. 25 E., corner of secs. 19, 20, 29, and 30, in southeast angle of crossroads; iron post stamped "5 M 1923," fence post marked "U. S. 317.4 B. M."-----         | 318. 01  |
| T. 19 S., Rs. 24 and 25 E., corner of secs. 19, 24, 25, and 30, in southeast angle of crossroads; iron post stamped "6 M 1923," fence post marked "U. S. 308.7 B. M."----- | 309. 248 |
| Reference mark, 60 feet north by 60 feet west of P. B. M., in telephone pole; railroad spike-----  | 307. 82  |
| T. 19 S., R. 24 E., corner of secs. 23, 24, 25, and 26, in southwest angle of crossroads, in telephone pole; railroad spike, marked "U. S. 203.2 B. M."-----               | 302. 79  |
| T. 19 S., R. 24 E., corner of secs. 22, 23, 26, and 27, 15 feet west and 3 feet north of fence corner; in telephone pole; railroad spike, marked "U. S. 297.2 B. M."-----  | 297. 87  |
| Milepost 248, opposite east side of track at fence line; iron post stamped "293 B"-----  | 293. 832 |

## Primary leveling by H. S. Senseney in 1923

|  |         |
|--|---------|
| T. 19 S., R. 24 E., 40 feet south of T road west, at quarter corner between secs. 21 and 22, on west side of road, in concrete culvert; chiseled square, marked "U. S. B. M. 292.7"----- | 293. 75 |
|--|---------|

## Primary leveling by R. B. Steele in 1923

|  |          |
|--|----------|
| Goshen, 4 miles south of, on east side of Southern Pacific R. R. track, 440 feet north of milepost 243, on east edge of State highway, on concrete culvert, center of top of east head wall; chiseled square, fence northeast painted "U. S. 292.0 B. M."----- | 292. 63  |
| Goshen, 5 miles south of 4½ telegraph poles north of milepost 244, on west side of Southern Pacific R. R. track, 2 feet east of west right of way fence; iron post stamped "293 B"-----  | 293. 268 |

## WAHTOKE QUADRANGLE

[Latitude 36° 37' 30"-36° 45'; longitude 119° 22' 30"-119° 30']

## FRESNO COUNTY

From Centerville along highways east and south through west part of quadrangle to Reedley quadrangle

The part to point 3 miles east of Centerville was leveled twice; by L. F. Biggs in 1919 and L. D. Ryus in 1902; and that south to point 1.2 miles south of Wah-toke was leveled twice; by L. F. Biggs in 1919 and C. A. Ecklund in 1916. The remainder was by Biggs alone

|   | Feet     |
|---|----------|
| Centerville, 100 feet east of crossroads, south of road, in base of 30-inch eucalyptus tree scribed "U. S. 391"; spike-----                         | 391. 68  |
| Centerville, 1 mile east of, southeast corner of Kings River Bridge; top of bolthead on concrete foundation, painted "U. S. 392"-----               | 392. 30  |
| Centerville, 1.5 miles east of, in floor of bridge; bolthead, painted "U. S. 392"-----  | 392. 14  |
| Centerville, 2 miles east of, 100 feet east of second-class crossroads, center of road, in base of 42-inch oak tree scribed "U. S. 394"; spike----- | 394. 59  |
| Centerville, 3 miles east of, 40 feet northeast of T road east to Dunlap; iron post stamped "396" (recovered)-----                                  | 396. 180 |

|  | Feet    |
|--|---------|
| Wahtoke, 2 miles north of, 1 mile north of winery, 50 feet southeast of T road west, in top of canal gate painted "U. S. 381"; nail (recovered)----- | 381.68  |
| Wahtoke, 1.3 miles north of, 0.3 mile northwest of winery, west end of concrete culvert; chiseled "U. S. 367"-----                                   | 366.73  |
| Wahtoke, 1 mile north of, 600 feet west of winery, at T road west, south end of wooden culvert; nail-----  | 364.55  |
| Wahtoke, 40 feet northeast of crossroads, 50 feet north of fruit packing house; iron post stamped "357" (recovered)-----                             | 358.120 |
| Wahtoke, 1.2 miles south of, 40 feet southwest of crossroads, in corner fence post painted "U. S. 373"; spike (recovered)-----                       | 373.54  |
| Wahtoke, 2 miles south of, 40 feet northwest of crossroads, in corner fence post painted "U. S. 368"; spike-----                                     | 367.35  |
| Wahtoke, 2.8 miles south of, north side of gulch, in telephone pole painted "U. S. 361"; spike-----  | 361.72  |

Primary leveling by C. A. Ecklund in 1916

From Wahtoke west along highways into Sanger quadrangle

|  |         |
|--|---------|
| Wahtoke, 1 mile south of, southwest corner of crossroads, in base of fence post; nail-----   | 373.54  |
| Wahtoke, 1 mile southwest of, 600 feet west of Alameda vineyard, T road south, in south end of wooden culvert; nail-----                           | 344.07  |
| Wahtoke, 1.5 miles southwest of, west end of lowest step of Alameda School-----  | 342.04  |
| Sanger, 4 miles southeast of, 1.25 miles west of Alameda School, 200 feet east of long wooden bridge at T road north; iron post stamped "332"----- | 332.472 |
| Wahtoke, 2 miles west of, 1 mile east of Kings River, at west end of wooden bridge 275 feet long, in north side; nail-----                         | 336.13  |

Near northwest corner of quadrangle

|  |        |
|--|--------|
| Centerville, 1.2 miles northeast of, at road north, in corner fence post painted "U. S. 404"; spike----- | 405.10 |
| Centerville, 1.6 miles northeast of, in floor of canal bridge, painted "U. S. 412"; spike-----           | 412.91 |